

PROJECT TIMELINE: NANHWARA KYMORE LIMESTONE BLOCK		
SR. NO.	DESCRIPTION	DATE
01	Project Approval in 3 rd TCC-II	5 th December 2024
02	Project Approval in 39 th EC	24 th January 2025
03	Project Approval OM No. 843	10th February 2025
04	Scheduled Completion (10 months up to)	9th December 2025
05	1 st Review in 9 th TCC-II (NQT Enhance)	29 th May 2025
06	1 st Review in 43 rd EC (NQT Enhance)	14 th August 2025
07	NQT Revision OM No. 375	12th September 2025
08	2 nd Review in 19 th TCC-II (1 BH drop & timeline extension)	16 th December 2025
09	3 rd Review in 20 th TCC-II (1 BH drop, cost revision, timeline extension)	02 nd January 2026
10	3 rd Review in 4 th PSC (1 BH drop, cost revision, timeline extension)	13 th January 2026
11	Timeline Extension OM No. 740	21st January 2026
12	New Scheduled Completion	08th June 2026
13	Cost Revision OM No. 818	10th February 2026
14	4 th Review in 29 th TCC-II (Draft GR & timeline extension)	20 th May 2026
15	Peer Review Requested for Draft GR	25 th May 2026
16	Peer Reviewer allotted by NMEDT	03 rd June 2026
17	4 th Review in 9 th PSC (Draft GR & timeline extension)	03 rd June 2026
18	GR sent to Peer Reviewer	06 th June 2026
19	Timeline Extension OM No. 265	12th June 2026
20	New Scheduled Completion	08th July 2026
21	Scrutiny Comments issued by Peer Reviewer	16 th June 2026
22	Scrutiny complied & final GR sent to Peer Reviewer	20 th June 2026
23	Approval received from Peer Reviewer	23 rd June 2026
24	5 th Review in 32 nd PSC (Final GR approval)	6 th July 2026
25	Final GR Uploaded in NGDR Portal	8 th July 2026
26	GR Mailed to NMEDT & DGM-MP	8 th July 2026
27	Scheduled Completion	08th July 2026
DETAILS OF SUBMITTED GEOLOGICAL REPORT		
SR. NO.	DESCRIPTION	DETAILS
01	Total Geological Report Pages	131 Pages
02	Total Geological Report Text Pages	131 Pages
03	Total Tables	40 Nos
04	Total Figures in Report	36 Nos
05	Total Annexures in Report	09 Nos
06	Total Plates in Report	14 Nos

01

Project Approval in 3rd TCC-II

Ministry of Mines
National Mineral Exploration Trust
Minutes of 3rd meeting of Technical-cum-Cost Committee -II (TCC-II)
held on 5th and 6th December, 2024

The 3rd meeting of Technical-cum-Cost Committee – II (TCC-II) of National Mineral Exploration Trust (NMET) was held through video conferencing under the Chairmanship of Shri Pradeep Singh, Deputy Director General (DDG), Geological Survey of India (GSI) and Chairman, TCC-II, NMET on 5th and 6th December, 2024.

Members of TCC-II, NMET and representatives from CGM Gujarat, DGM Nagaland, DGM Mizoram, DGM Uttar Pradesh, DGM Tripura, DGM Assam, DMR Meghalaya, DMG Jharkhand, Mineral Exploration and Consultancy Limited (MECL), Jharkhand Exploration and Mining Corporation Limited (JEMCL), Engeotech Consultant, Maheshwari Mining Pvt. Ltd. (MMPL), Geo Marine Solutions Pvt. Ltd., Geovale Services Private Limited, GeoExpOre Pvt. Ltd., Gems Projects Private Limited, Kartikay Exploration and Mining Services Private Limited, Maheshwari Mining Pvt. Ltd. (MMPL) and Gemcokati Exp. Pvt. Ltd etc. have attended the meeting through video conferencing mode.
The list of participants is at Annexure-1.

Shri Pradeep Singh, DDG, GSI and Chairman, TCC-II, NMET offered a warm welcome to all TCC-II members and participants representing various Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs).

Agenda 3.1: Technical Evaluation of New Project Proposals

Agenda 3.1.1 Reconnaissance (G-4 Stage) for Gold in Jojobera-Ulihurang Block, Arki Block, Khunti District, Jharkhand.

[Implementing Agency: Jharkhand Exploration and Mining Corporation Limited. (JEMCL)]

- a) The proposed block of 10.61 sq. km. area, falls in Survey of India OSM no. F45H9 & toposheet no. 73F/9, and forms the part of the Khunti District, Jharkhand. The block is completely covered by forest area.
- b) JEMCL informed that exploration for gold by GSI has been carried out in Pundidiri - Puntru block which is situated at about 7.8 km from the proposed area. As per analytical data of collected surface samples (including those from small old pits) from the Pundidiri block total gold (Au) contents range from 0.05 ppm to 1.84 ppm (source: geological memorandum of GSI). In addition, gold mines such as Lawa Gold Mines (ex-lessee M/s. Manmohan Industries Pvt. Ltd.) and Parasi Gold Block are situated at about 50 km and 13 km respectively from the proposed area.
- c) JEMCL informed that the geological set-up and the previous analytical data indicate that the proposed area can be prospective in terms of gold deposits.
- d) The committee did not recommend topographic survey in a G4 stage exploration and reduced the trenching quantum to 200 m³.
- e) The committee reduced the drilling quantum to 2 BH with total 400 m drilling.



- a) The proposed block of 94.25 sq. km. area, falls in Survey of India toposheet no. 41E/02 & 41E/03, which is part of Kachchh district, Gujarat. The block area is partially under forest area.
- b) MECL informed that the present reconnaissance survey in Ambara-Maru Block has been proposed in the SE of GSI's G-4 block (FSP 2014-15) for potash with report titled "Detailed Investigation for Potash in Glaucanite Bearing Shale and Sandstone around Guneri Village of Kachchh District, Gujarat", where the glauconite bearing shale and sandstone of Katrol and Bhuj Formations of Kachchh basin is found to be present.
- c) NGCM data suggests the presence of Glaucanite in the proposed block. A total of 23 stream sediment samples of NGCM falls within the proposed block. Values of K₂O vary between 1.21% - 3.06%. A similar range of values is present in the adjacent north of the proposed block where GSI block for Glaucanitic Sandstone is present.
- d) MECL collected the 03 nos of samples from the block and the K₂O values of the samples are 2.85%, 4.04% and 4.72%.
- e) The committee advised checking the REE in the proposed block and reducing the trenching and geochemical sampling.

Recommendation TCC-II:

The committee recommends the proposal for the approval of EC for "Reconnaissance Survey (G-4 Stage) for Glaucanite, Phosphorite & REE in Ambara-Maru Block, District-Kachchh, Gujarat" with an estimated cost of ₹229.81 Lakh (including GST) within the time schedule of 10 months and submission of the report as per Annexures 5A & 5B. The item will be reviewed after 4 months. After review drilling will start with approval of the committee.

Agenda 3.1.6 Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh (Proposed Area 22.52 km²) [Implementing Agency: Engeotech Consultant]

- a) The proposed block of 22.52 sq. km. area, falls in Survey of India toposheet no. 63D/12 & 64A/9, is a part of Katni district, Madhya Pradesh.
- b) In Katni and Kymore area occurrences and mining of Limestone have been known since 1860. A limestone band starts from Katni, via, Jukehi, Kymore, Sadara, Piprahat, Bhadanpur, and Majhgawan in M.P. This belt is continued in Katni, Satna and Sidhi districts of M.P. and is continued in Sonebhadra district of U.P. and it extends up to Rohtas district of Bihar. More than 200 Nos. of Captive as well Non-Captive Mining leases are being operated in this Limestone belt.
- c) In-principle approval was given for the proposed block in 1st TCC-II, meeting held on 26 & 27th September, 2024.
- d) The committee advised the agency that in Phase -I, mapping & survey work needs to be carried out.

Recommendation TCC-II:

The committee recommends the proposal for the approval of EC for “Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh (Proposed Area 22.52 km²)” with an estimated cost of ₹70.15 Lakh (including GST) within the time schedule of 10 months and submission of the report as per Annexures 6A & 6B. The item will be reviewed after 3 months. After review drilling will start with approval of the committee.

Agenda 3.1.7 Reconnaissance Survey (G-4 Stage) for graphite in Korapara, Bankura District, West Bengal.

[Implementing Agency: Maheshwari Mining Pvt. Ltd. (MMPL)]

- a) The proposed block of 16.25 sq. km. area, falls in Survey of India toposheet nos. 73J/9, which is a part of Bankura district, West Bengal.
- b) MMPL informed that Graphite bodies of economic importance occur in different localities of North Singhbhum Mobile Belt (NSMB), which is composed of calc-granulite, mica schists and phyllites along with metabasics. The graphite zones are found to be associated with the mica schists and phyllites.
- c) Analyses of a few grab samples collected during reconnaissance by the geologists of Maheshwari Mining Private indicate FC content varying from Ltd. 2.01 to 6.93%.

Recommendation TCC-II:

The committee recommends the proposal for the approval of EC for “Reconnaissance Survey (G-4 Stage) for graphite in Korapara, Bankura District, West Bengal” with an estimated cost of ₹226.02 Lakh (including GST) within the time schedule of 10 months and submission of the report as per Annexures 7A & 7B. The item will be reviewed after 5 months.

Agenda 3.1.8 Preliminary Exploration (G-3 Stage) for Aluminous Laterite/Bauxite and Gallium in Sandhan Block, Kachchh District, Gujarat.

[Implementing Agency: Geo Marine Solutions Pvt. Ltd.]

- a) The exploration block of 9.85 sq. km. area, falls in Survey of India toposheet no. 41E/4 & 41A/16, which is part of Kachchh district, Gujarat. Total proposed area is private land.
- b) Geo Marine Solutions Pvt. Ltd. informed that A reconnaissance field work was conducted in Sandhan Block by Geo Marine Solutions Pvt Ltd in 30-31 October 2024. It can be seen from the map that the Clay and Marl of Sandhan Formation and Limestone of Miliolite Formation are present in the block area.
- c) NOC issued by CGM Gujarat to Geo Marine Solutions Private Limited for taking up the G3 level exploration in Sandhan Block.
- d) In-principle approval was given for the proposed block in 2nd TCC-II, meeting held on 22 & 23rd October 2024.
- e) The committee advised to add analysis of Nb, Ta, Y and Sc in the samples.
- f) The committee advised that in Phase-I, drilling will be done in 800m x 800m spacing and Phase-II will be decided after review of Phase-I results.

List of participants attended 3rd meeting of Technical-cum-cost Committee (TCC-II) of NMET held on 5th and 6th December, 2024 through video conferencing mode

SL. No.	Name/ Designation	email ID	Contact No.	Status
1	Sh. Pradeep Singh, Dy. Director General, GSI, Kolkata	ddg.it@gsi.gov.in	9810233957	Chairman, TCC -II
2	Sh. Sanjay Singh, Director, GSI, Western Region, Jaipur	sanjay.singh3@gsi.gov.i n	9928860884	Member Secretary TCC-II
3	Sh. B S Jodha, Dy. Director General (Retired), GSI	jodha1961@gmail.com	9414023478	Member TCC-II
4	Sh. Sunil Kumar Vashisth, GM (Retired), Hindustan Zinc Limited, Udaipur	sunilhzl@gmail.com	982905923 6	Member TCC-II
5	Sh Dilip Kanungo, Chief Ore Dressing officer, IBM	codo@ibm.gov.in	8237047897 9405147897	Member TCC-II
6	Sh. D.S.Jeere, Director, GSI, RSAS Bengaluru.	dattatreya.jeere@gsi.gov.in	-	Member TCC-II
7	Sh M.K.Patel, Dy. Director General (Retired), GSI	patelmk27@gmail.com	904001123 1	Member TCC-II
8	Dr. T.S.Sunil Kumar, Addl. Director (Retired), AMD	ts.sunilkumar@gmail.co m	9502560153	Member TCC-II
9	Ms. Geetika Sharma, Deputy Secretary & HoD, NMET, Ministry of Mines	geetika.sharma@gov.in	-	Member TCC-II
10	Sh. Alok Kumar, Deputy Secretary (IFD), Ministry of Mines	alok.kumar@nic.in	-	Member TCC-II
11	Sh. Ravi Kumar Gupta, ED (Finance), HCL, Tamra Bhawan, 1, Ashutosh Chowdhury Avenue, Kolkata	ravi_g@hindustancopper .com	943327432 8	Member TCC-II
12	Sh. P.K. Maharana, GM (Finance), NALCO, NALCO Bhawan, P/1, Nagapalli, Bhubaneswar	pmaharana@rediffmail.c om	850066950 0	Member TCC-II
13	Sh. Anoop Kumar, CAO, GSI, CHQ Kolkata, GSI	Anoop.kumar2@gsi.gov.in	-	Member TCC-II

SL. No.	Name/ Designation	email ID	Contact No.	Organization
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15	A.C. Dinesh, Chief Technology Officer	oed@geomarinesolutions.in	9038534560	Geo Marine Solutions Pvt. Ltd
16	Balkrishan Vishawakarma, Senior Geologist	balkrishan.v@maheshwaree.com	9651143638	Maheshwari Mining Pvt Ltd
17	Promit Roy, Geologist	promit.roy@maheshwaree.in	6289104640	Maheshwari Mining Pvt Ltd
18	Shravya Mehta, Geologist	shravya.mehta@maheshwaree.in	8349962239	Maheshwari Mining Pvt Ltd
19	Dr. Keshava Prasad, Chief Geologist (Exploration)	keshava@geomarinesolutions.in	8595914877	Geo Marine Solutions Pvt. Ltd
20	Aparna C V, Geophysicist	mail@geomarinesolutions.in	9061467262	Geo Marine Solutions Pvt. Ltd
21	Mr. David Lhoupenyi, Geologist	geominenaga@gmail.com	8787792232	Geology & Mining Nagaland Dimapur
22	Mrs. Imlinungla Walling, Geologist	geominenaga@gmail.com	9402696594	Geology & Mining Nagaland Dimapur
23	Mr. Neveyo Vero, Asstt. Geologist	geominenaga@gmail.com	8131919211	Geology & Mining Nagaland Dimapur
24	Ms. Moamenla L, Asstt. Geologist	geominenaga@gmail.com	8837004534	Geology & Mining Nagaland Dimapur
25	Dr. Yerriswamy Pateel, Director	ypateel@geoexpore.com	9980118930	GeoExpOre Pvt Ltd
26	Mr.Channamallikarjun Patil, Director	cm@geoexpore.com	9980554498	GeoExpOre Pvt Ltd
27	Dr.Fareeduddin, Chief Advisor	fareedromani@gamil.com	9886402487	GeoExpOre Pvt Ltd
28	Dr. R Chandrasekaran, Project Coordinator	chandru@geoexpore.com	6361206452	GeoExpOre Pvt Ltd
29	Mr. A Gopal, Asstt. Geologist	gopal@geoexpore.com	7411559399	GeoExpOre Pvt Ltd
30	Mr. Shashank S Mahapatra, Asstt. Geologist	shashank@geoexpore.com	9438430412	GeoExpOre Pvt Ltd
31	Shri Debabrata Sengupta, Dy. Director	debabratad.seng@Rediffmail.com	7005537578	Geology & Mining Section, Tripura.
32	Shri Barnalee Nath, Joint Director	dgmassam@gmail.com	9435104508	Directorate of Geology & Mining, Assam
33	Dr. Vinay Sahay, Senior Manager (Geology)	vinay.sahay@geologist.com	9730514284	Gemco Kati Exploration Pvt. Ltd

34	Mr. Tejeswar Barik, Geologist	tejeswarbarik73@gmail.com	6294601759	Gemco Kati Exploration Pvt. Ltd
35	Shri P. Ravindran, GM (Exploration)	Ravindran.mecl@gmail.com	9407607309	MECL
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38	Shri Bhuneshwar Kumar, Manager (Geology)	bhuneshwarkumar@mecl.gov.in	9237063532	MECL
39	Shri MD Dastageer, Manager (Geology)	dastageermd@gmail.com	9560739350	MECL
40	Shri Swarup Dhara, Manager (Geology)	swarupdhara@gmail.com	9630307282	MECL
41	Shri Sayandeep Chakraborty, Asst Manager (Geology)	Sayanchak2011@gmail.com	9038956935	MECL
42	Mrs Saumya Anand, Sr. Geologist	Saumya.anand36@gmail.com	7380745769	MECL
43	Shri Sumit Chauhan, Sr. Geologist	sg-tech-cgm@gujarat.gov.in	9167409718	Commissioner of Geology & Mining, Gujarat
44	Shri Mit Parmar, Assistant Geologist	ag-tech-cgm@gujarat.gov.in	9978406848	Commissioner of Geology & Mining, Gujarat
45	Shri Siddharth Prizomwala, Scientist - D	prizomwalasiddharth@gmail.com	7567049349	Institute of Seismological Research, Gujarat
46	Mr. Biplob Chatterjee, CEO & Director	biplob.chatterjee@geovale.com	9007706145	Geovale Service Pvt. Ltd., Kolkata
47	Dr. Joy Gopal Ghosh, Principal (Geology & Exploration)	joygopal.ghosh@geovale.com	9999681366	Geovale Service Pvt. Ltd., Kolkata
48	Dr. Taraknath Pal, Associate Principal (Exploration)	tarakpal22@gmail.com	6300985508	Geovale Service Pvt. Ltd., Kolkata
49	Dr. Tapan Pal, Associate Principal (Exploration)	paltapan62@gmail.com	9485191695	Geovale Service Pvt. Ltd., Kolkata
50	Dr. Suparna Goswami, Sr. Project Manager (Exploration)	suparna.goswami@geovale.com	9874320018	Geovale Service Pvt. Ltd., Kolkata
51	Shri Indraneel Dawande, Project Coordinator	engeotech@rediffmail.com	9425387402	Engeotech Consultant
52	Shri Padmakar Nahar, Senior Geologist	engeotech@rediffmail.com	8989771405	Engeotech Consultant
53	Shri Anshul Kumar Sharma, Technical Executive	engeotech@rediffmail.com	8989771405	Engeotech Consultant

54	Shri Sudeep Manish Toppo, Suptdg. Geologist	sudeep.toppo@gsi.gov.in	9065146048	GSI
55	Smt. Anju C.S., Superintending Geologist	nmet.mines@gov.in	8588836933	NMET
56	Shri Rajesh Sharma, Senior Geologist	nmet.mines@gov.in	8377851047	NMET
57	Shri. Akshay Verma, Geologist	nmet.mines@gov.in	9167919949	NMET




Estimate Cost for Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh
Area 22.52 sq. km, No.of BH: 03, Borehole depth range- 30/50 m; Schedule timeline- 10 months Review: After 3 Months

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl No.	Rates as per SoC	Qty.	Total Amount (Rs)	
A	Geological Mapping (1:12500) & Other Geological Work						
1	Charges for Geologist man days for LSM and & sampling	day	1.2.b	11,000	90	9,90,000	2 geologists x 45 days each
2	Labours Charges; Base rate	day	5.7	526	180	94,680	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
3	Charges for Geologist per day (HQ) for data interpretation and Map preparation	day	1.2.a	9,000	60	5,40,000	
	Sub Total- A					16,24,680	
B	Survey work						
1	Charges of Surveyor for survey layout work & Block boundary demarcation	per day	1.6.1a	8,300	45	3,73,500	2 surveyors x 45 days each
2	Labours Charges; Base rate	day	5.7	526	180	94,680	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
3	DGPS Survey for boundary pillar, BH fixation & RL determination	Per Point	1.6.2	19,200	16	3,07,200	3 Bh and 13 boundary
	Sub-Total B					7,75,380	

C	Mineral Investigation						
1	Excavation of Trenches upto 2.0 m depth	per cu.m.	2.1.1	3,300	-	-	2 trenches (1.5x1.5x30)
2	Excavation of Pit upto 2.0 m depth	per cu.m.	2.1.2	3,800	18	68,400	3 pits (1x1x6)
	Sub-Total C					68,400	
D	DRILLING (in -house)						
1	Drilling up to 300m - soft rock	m	2.2.1.3a	7,168	110	7,88,480	As per MoC rate 30m + 30m + 50m
2	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	3	6,000	
3	Transportation of Drill Rig & Truck associated per drill (1 rigs)	Km	2.2.8	36	300	10,800	a per actuals. To & fro from Jabalpur
4	Monthly Accomodation Charges for drilling Camp	month	2.2.9	50,000	2	1,00,000	
5	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	
6	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	
7	Road Making (Flat Terrain)	Km	2.2.10a	22,020	1	22,020	as per actual
8	Drill Core Preservation	per m	5.3	1,590	110	1,74,900	
9	Sample Processing	per day	1.5.2	5,100	19	96,900	
10	Labours Charges; Base rate	day	5.7	526	76	39,976	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
11	Land/Crop Compensation	per BH	5.6	20,000	3	60,000	
	Sub Total D					17,99,076	
E	Borehole Geophysical Logging & Sampling						
1	Logging & Sampling	per day	1.2.b	11,000	-	-	
	Sub Total E					-	
F	LABORATORY STUDIES						
	Chemical Analysis						

1	Quantitative chemical analysis of rock by conventional wet chemical method for 12 determinations (other than alumino-silicate and phosphate rock) (Bedrock/Channel /Soil/Stream sediment)	Nos	4.1.1	8,157	150	12,23,550	110 drilling and 40 BRS sample
	<u>Physical & Petrological Studies</u>						
2	Preparation of thin section	Nos	4.3.1	2,353	5	11,765	
3	Study of thin section	Nos	4.3.4	4,232	5	21,160	
4	Digital Photographs	Nos	4.3.7	280	10	2,800	
5	Bulk Density	Nos	4.10	3,540	5	17,700	
	Sub Total F					12,76,975	
G	Total A to F					55,44,511	
H	Geological Report Preparation	5 Hard copies with a soft copy	5.2	Exploration cost exceeding 50 lakh but less than 150 lakh: A Minimum of ₹2.5 lakh or 5% of the work whichever is more		2,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
I	Peer review Charges		As per EC decision			30,000	

J	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is less		1,20,000	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
K	Total Estimated Cost without GST					59,44,511	
L	Provision for GST (18% of J)					10,70,012	GST will be reimburse as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					70,14,523	
				or Say Rs. In Lakhs		70.15	
Note:							
1	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						




Time Schedule/ Action Plan for Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh

S. No.	Description		1	2	3	Review	4	5	6	7	8	9	10
1	Camp Setting	Months/Days											
2	Large Scale Mapping (1:12500) & BRS Sampling	Months/Days											
3	Pitting/Trenching	Months/Days											
3	Surface Drilling (1 rigs)	600 m											
4	Core Logging & Sampling	days											
5	Laboratory Studies	Nos.											
6	Camp Winding	months											
7	Report Writing with Peer Review	months											




02

Project Approval in 39th EC

भारत सरकार
खान मंत्रालय
राष्ट्रीय खनिज खोज न्यास

Government of India
Ministry of Mines
National Mineral Exploration Trust

F.No.6/2/2015-NMET/

New Delhi, 6th February, 2025

Subject: Circulation of minutes of 39th meeting of Executive Committee (EC) of National Mineral Exploration Trust (NMET) held on 24th January, 2025

Please find enclosed herewith the minutes of 39th meeting of Executive Committee of NMET held on 24th January, 2025 for your kind perusal.

Action Taken Report on relevant paras may kindly be forwarded to this office.

Encl: As above

[Geetika Sharma]
Deputy Secretary & HoD, NMET

To,

1. The Secretary, Dept. of Atomic Energy, Anushakti Bhawan, C.S.M. Marg, Mumbai- 400001.
2. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi- 110001.
3. The Secretary, Ministry of Petroleum and Natural Gas, Shastri Bhawan, New Delhi-110001.
4. The Joint Secretary and Financial Advisor, Ministry of Mines, Shastri Bhawan, New Delhi-110001.
5. The Director General, Geological Survey of India, 27, J. L. Nehru Road, Kolkata-700016.
6. The Controller General, Indian Bureau of Mines, 2nd Floor, Indira Bhawan, Civil Lines, Nagpur-440001.
7. The Principal Secretary, Mineral Resources Department, Govt. of Madhya Pradesh, Mantralaya, Vallabh Bhawan, Bhopal- 462004.
8. The Principal Secretary, Industries, Energy and Labour Dept., Govt. of Maharashtra, 114 Annex Building Mantralaya, Mumbai- 400032.

NMET Secretariat

Room No. 325-326, F Wing, Udyog Bhawan, Central Secretariat, New Delhi-110011

Tel: (011)-23061763, email: nmet-mines@gov.in

<https://nmet.gov.in/>

9. The Additional Chief Secretary, Department of Mines and Petroleum, Government of Rajasthan, Main Building Secretariat, Jaipur-305005.
10. The Additional Chief Secretary, Industries, Investment Promotion and Commerce Dept., Govt. of Tamil Nadu, Industries Department Secretariat, Chennai- 600009.
11. Shri Alok Sharma, (Retd.) GM & HoD (Exploration), CMPDIL, 402, Lake Garden, Kanke Road, Ranchi- 834008.
12. Shri Naresh Nautiyal, Head (Business Development & Planning) (Retd.), MECL, 109, KT Nagar, Katol Road, Nagpur- 440013.
13. Dr. Yamuna Singh, Scientist-H, Atomic Minerals Directorate for Exploration and Research (Retd.), Flat G-7, Block G, Rainbow Vistas Rock Garden, Opp- IDL, Green Hills Road, Sanathnagar PO, Moosapet, Hyderabad- 500018.
14. Dr. Laxman Singh Shekhawat, Dy. Director General (Retd.), Geological Survey of India, 695 Shanti Nagar (Road No-3), Near Durgapura Railway Station, Durgapura, Jaipur- 302018.
15. Dr. Sahendra Singh, Associate Professor, Department of Applied Geology, Indian Institute of Technology (ISM), Dhanbad- 826004.

Copy to:

1. The Secretary (Mines), Government of Andhra Pradesh.
2. The Secretary (Geology and Mining), Government of Arunachal Pradesh.
3. The Principal Secretary, Department of Mines and Minerals, Government of Assam.
4. The Principal Secretary-cum-Mines Commissioner, Government of Bihar.
5. The Secretary, Mineral Resource Department, Government of Chhattisgarh.
6. The Principal Secretary, Department of Mines and Geology, Government of Goa.
7. The Addl. Chief Secretary (Industries), Government of Himachal Pradesh.
8. The Principal Secretary (Industry and Mines), Government of Gujarat.
9. The Commissioner Secretary (Industries and Commerce), Union Territory of Jammu & Kashmir.
10. The Secretary (Industries, Mines and Geology), Government of Jharkhand.
11. The Secretary, (Industries and Commerce), Government of Karnataka.
12. The Principal Secretary, Industries Department, Government of Kerala.
13. The Secretary, Mineral Resource Department, Government of Madhya Pradesh.

NMET Secretariat

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 Tel: (011)-23061763, email: nmet-mines@gov.in
<https://nmet.gov.in/>

14. The Addl. Chief Secretary (Industries and Mines), Government of Maharashtra.
15. The Commissioner and Secretary, Mining and Geology Department, Government of Meghalaya.
16. The Commissioner & Secretary, Geology and Mining, Government of Nagaland.
17. The Principal Secretary (Steel and Mines), Government of Odisha.
18. The Principal Secretary, Mines and Geology, Government of Punjab.
19. The Principal Secretary (Mines), Government of Rajasthan.
20. The Principal Secretary (Industries), Government of Tamil Nadu.
21. The Principal Secretary (Industries and Mines), Government of Telangana.
22. The Secretary (Mines and Geology), Government of Uttar Pradesh.
23. The Principal Secretary (Mines), Government of Uttarakhand.
24. The Secretary (Industry, Commerce and Enterprises), Government of West Bengal.
25. The Secretary, Department of Industries, Union Territory of Ladakh.
26. The Principal Secretary, Mines and Geology Department, Government of Sikkim.
27. The Secretary, Department of Industries and Commerce, Government of Tripura.
28. The Secretary, Commerce and Industries, Government of Mizoram.
29. The Secretary, Textiles, Commerce and Industry, Government of Manipur.
30. The Principal Secretary, Department of Mines and Geology, Government of Haryana.

Copy to:

1. The Director, Department of Mines and Geology, Government of Andhra Pradesh.
2. The Director, Department of Geology and Mining, Government of Arunachal Pradesh.
3. The Director, Directorate of Geology and Mining, Government of Assam, Kahilipara, Guwahati-781019.
4. The Director, Department of Mines and Geology, Government of Bihar.
5. The Director, Directorate of Geology and Mining, Government of Chhattisgarh.
6. The Director of Mines and Geology, Government of Goa.
7. The Commissioner of Geology and Mining, Government of Gujarat.

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8. The Director, Department of Industries, Government of Himachal Pradesh.
9. The Director, Department of Geology and Mining, Union Territory of Jammu and Kashmir, J.L.Nehru Udyog Bhawan, 4th Floor, Rail Head Complex, Jammu - 180012.
10. The Director (Mines), Directorate of Mines, Government of Jharkhand.
11. The Director, Department of Mines and Geology, Government of Karnataka.
12. The Director, Directorate of Mining and Geology, Government of Kerala.
13. The Director, Directorate of Geology and Mining, Government of Madhya Pradesh.
14. The Director, Directorate of Geology and Mining, Government of Maharashtra.
15. The Director, Directorate of Mineral Resources, Government of Meghalaya.
16. The Director, Directorate of Geology and Mining, Government of Nagaland.
17. The Director, Directorate of Geology and Mining, Government of Odisha.
18. The Director, Directorate of Mines and Minerals, Government of Punjab.
19. The Director, Mines and Geology Directorate, Government of Rajasthan.
20. The Commissioner of Geology and Mining, Government of Tamil Nadu.
21. The Director of Mines and Geology, Government of Telangana.
22. The Director, Directorate of Geology and Mining, Government of Uttar Pradesh.
23. The Director, Geology and Mining Unit, Government of Uttarakhand.
24. The Director, Directorate of Mines and Minerals, Government of West Bengal.
25. The Director, Directorate of Industries and Commerce, Union Territory of Ladakh.
26. The Director, Department of Mines, Minerals and Geology, Government of Sikkim
27. The Director, Department of Industries and Commerce, Government of Tripura
28. The Director, Directorate of Geology and Mineral Resource, Government of Mizoram.
29. The Director, Department of Trade, Commerce and Industries, Government of Manipur.
30. The Director, Department of Mines and Geology, Government of Haryana.

Copy to:

1. Dr. S. Ravi, Deputy Director General and Chairman, TCC-NMET, SU: Karnataka & Goa, GSI, Bangaluru 560111
2. The Director, AMD, Department of Atomic Energy, AMD Complex, Begumpet, Hyderabad-500016.

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3. The Managing Director, MECL, Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur-440006.
4. Madhya Pradesh State Mining Corporation Ltd., Paryawas Bhawan, Block 'A', II nd floor, Jail Road, Arera Hills, Bhopal (M.P.) 462011.
5. M/s Mining Tech Consultancy Services Ltd., Adani Corporate House; Shantigram; Near Vaishno Devi Circle; SG Highway Khodiyar NA; Ahmedabad; Ahmedabad; Gujarat; 382421; India.
6. M/s Geo Marine Solutions Pvt. Ltd., 15-17-909/9,5th Cross Shivabagh, Kadri, Mangalore-575005, Karnataka, India
7. The Managing Director, Odisha Mining Corporation, OMC House, Bhubaneswar-751 001.
8. Commissioner of Geology and Mining, Block 15, Dr. Jivraj Mehta Bhavan, Sector - 10, Gandhinagar - 382010
9. The Managing Director, Maheshwari Mining Pvt. Ltd., 21, CLM Lane, Raniganj, Dist: Burdwan, West Bengal, India Pin: 713347.
10. GEMCOKATI Exploration Pvt Ltd, E-77 MIDC Chandrapur, Maharashtra-442401.
11. M/s Geo Exploration and Mining Solutions, 17, Advaita Ashram Rd, Arthanari Nagar, Fairlands, Salem, Tamil Nadu-636004.
12. Engeotech Consultant, 1338 Vijay Nagar, Kachnar City Road, Jabalpur PIN 482002.
13. GeoExpore Pvt. Ltd., WeWork-Next to Forum Mall, Prestige Cube, Koramangala, Bangalore – 560034, Karnataka, India
14. M/s Critical Mineral Trackers, E3, 3rd Floor, Technology Research Park, Indian Institute of Technology, IITH Road, near National Highway 65, Hyderabad, Kandi, Telangana 502285
15. M/s PRB Infra, S-3 2nd Floor, Ratan Heights, Medical Chowk, Chandan Nagar, Nagpur, Maharashtra 440009.
16. The Managing Director, Jharkhand Exploration and Mining Corporation Ltd., JSFC Building, 4th Floor, Kadru, Ranchi, Jharkhand
17. Geovale Services Pvt. Ltd., 3rd Floor Floor, Anaya Chambers, GN 38/5, Sector V, Salt Lake, Kolkata, West Bengal

Copy for information to:

1. PSO to Secretary/PPS to AS(SL)/PS to JS&FA/PPS to JS, Ministry of Mines, Shastri Bhawan, New Delhi-110001.

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Ministry of Mines
National Mineral Exploration Trust
Minutes of 39th Executive Committee (EC) meeting, NMET
held on 24.1.2025
Venue: Khanij Kaksh, Shastri Bhawan

The 39th meeting of Executive Committee (EC) of NMET was held under Chairmanship of Shri V. L. Kantha Rao, Secretary, Mines/Chairman EC on 24th January, 2025 at Shastri Bhawan, New Delhi in hybrid mode. The list of participants is given in Annexure-1.

Shri Vivek Kumar Bajpai, Joint Secretary/Member Secretary, EC welcomed the chairman EC, all members, technical experts and invitees in the meeting. The points discussed and decisions taken in the meeting are as under:

Agenda 39.1: Confirmation of minutes of 38th Meeting of EC held on 29th November, 2024.

The minutes of 38th EC meeting were circulated on 4th December 2024. No comments were received from the members.

Decision: EC confirmed the minutes of the 38th meeting of Executive Committee (EC).

Agenda 39.2: Action Taken Report (ATR) on the minutes of 38th EC meeting.

EC was briefed on the action taken on decisions taken during the 38th EC meeting. Discussion on the actionable points is given below:

- (i) In the matter of organizing a workshop on EL regime, Chairman, EC advised that the EL workshop along with Roadshow be organized immediately after the auction.

[Action: Mines-IV]

- (ii) Regarding the performance of NPEAs, Secretary Mines instructed that surveillance assessment reports of NPEAs be obtained from QCI-Nabet for the agencies which have completed 18 months since notification and the reports be examined thereafter.

[Action: MINES-I]

- (iii) Regarding the GR of Bhatikheda block, AMD apprised that the detailed report has been shared with Ministry of Mines and Government of

Rajasthan. Chairman, EC instructed that the block be put up for auction in the upcoming Tranche.

[Action: MINES-IV]

- (iv) Regarding the uploading of reports and shapefiles of NMET funded exploration projects in NGDR portal, the house was apprised that while the boundary files of completed projects have been uploaded in the portal, the uploading of reports is in progress. Chairman, EC instructed that the balance reports be uploaded either by NMET Secretariat on its own or by hiring an agency.

[Action: NMET]

- (v) The house was apprised that the committee set up under chairmanship of ADG Exploration, DGH has submitted a draft report on inclusion of seismic survey in coal exploration for comments before finalization. In this regard permission was sought to forward the report to Ministry of Coal for their comments. The permission was agreed to.

[Action: NMET/Ministry of Coal]

Agenda 39.3: Approval for change in the currency denomination of approved cost of Multi-sensor aero-geophysical surveys over block 6 under National Airborne Geophysical Mapping Programme (NAGMP)

The house was apprised that Multi-Sensor Aero-geophysical Surveys in OGP Blocks-6 and 8 were approved during the 19th EC meeting of NMET on 26th March 2021, with a cost of Rs. 84.79 crores including 18% GST. Out of Rs. 84.79 crores an amount of Rs. 39.86 crore was earmarked for Block-6. Subsequently, an additional amount of Rs. 50,27,104/- equivalent to USD 60,204.8418 (considering exchange rate of Rs. 83.50=1USD) was approved in the 36th EC meeting held on 29.7.2024 for carrying out for survey of additional 3117 line km.

A proposal was received from GSI that as per the MoA between GSI and the foreign PIA payment was being made in USD. Since 2021, the cost in INR has increased due to increase in exchange rate of USD from ₹73.36 to ₹86.39. However, in USD there is no change in the approved cost. Therefore, GSI requested that a revised sanction order be issued in USD instead of INR.

The details of approved cost and expenditure incurred in the project is as under:

Particulars	Amount in ₹	Amount in \$
Approved cost of project	39,85,74,528.59	54,33,109.3056
Additional cost approved in 36 th EC	50,27,104.00	60,204.8418
Total approved project cost	40,36,01,632.59	54,93,314.1474
Payment made till Milestone 7	34,23,27,059.00	41,19,985.62
Balance payment to be made	6,12,74,573.59	13,73,328.5274
Amount of milestone 8 to be paid @ 86.39	4,74,56,740.92	5,49,331.4147
Amount of milestone 9 to be paid (@ 86.44 as on 23.1.2025)	7,12,75,751.06	8,23,997.1221
Balance Amount to be paid	(5,74,57,918.39)	0.00

Due to fluctuation in exchange rate of USD to INR, the project cost in INR, upon completion of the project, would be ₹46,10,59,550.98 (approx.) which will exceed the sanctioned cost of Rs. 40.36 crore in INR, though in USD the project cost would remain unchanged.

Accordingly, TCC-1 at its 72nd meeting has recommended that the approved cost of Multi-sensor aero-geophysical survey over Block 6 may be communicated as \$ 5,493,314.1474/- instead of ₹40,36,01,632.59.

Decision: EC noted that the total approved project cost is \$ 54,93,314.1474 equivalent to ₹40,36,01,632.59; on completion, the total project cost would be ₹46,10,59,550.98 (approx.) due to fluctuation in the exchange rate of USD to INR while in USD the project cost will remain unchanged. In view of this, EC accorded in principle approval to the proposal for change in the currency denomination of the sanction order. Further, following instructions were given for compliance and for IFD concurrence:

- Proposal to be put up through IFD, Mines to obtain concurrence for change of currency of payment against milestone 8 and 9 from INR 11,87,32,491/- to USD 13,73,328.5368 (USD 5,49,331.4147 and USD 8,23,997.1221, respectively).

Further, the \$ rate on payment of USD 13,73,328.5368 would be the exchange rate on the date of payment.

[Action: NMET]

Agenda 39.4: Financial Assistance from NMET funds to procure Machinery Laboratory/ Equipment/ instruments etc. aimed at enhancing the exploration activities- ArcGIS software [GSI]

A proposal was submitted by GSI to procure ArcGIS software for spatial integration and analysis of geoscientific data. This software is being widely used by GSI for last two decades for generating deliverables such as maps, reports, analytical models etc. Further, GSI has developed comprehensive geoscientific repositories, including the National Geoscience Data Repository (NGDR) and National Landslide Forecasting Centre (NLFC), which store a wide range of geological, geophysical, geochemical, and other geospatial data using the ArcGIS desktop platform. Hence, there is a high demand for ArcGIS Desktop advance version along with its extensions.

The existing license of ArcGIS 10.3 Enterprise Agreement (EA) License has expired on September 2024 and needs to be renewed. The license will be distributed among all the offices of GSI for uninterrupted services of ArcGIS software for technical assignments of GSI.

TCC-1 at its 71st TCC meeting has recommended the procurement of latest version of ArcGIS under Enterprise Agreement (EA) License of 5 years with an estimated cost of ₹11,00,00,000/- (Rs. Eleven Crore only) inclusive of all taxes.

Decision: EC accorded financial approval of ₹11,00,00,000/- (Rs eleven crore only) including GST for procurement of latest version of ArcGIS with comprehensive support (including license renewal/upgradation) for 5 years by upgrading the existing inventory.

Agenda 39.5: Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities- Upgradation of Geosoft Software Licenses [GSI]

GSI has submitted a proposal for procurement of Geosoft software for processing and interpretation of geophysical data. The existing 20 licenses of Geosoft software have expired and M/s Seequent Burlington (Bentley System), the sole authorized Indian distributor of Geosoft software have expressed their inability to provide technical support for older version.

Considering the wide use of Geosoft software in different domains (land, marine and airborne), upgradation of the conventional Geosoft licenses to yearly subscription-based license is an urgent requirement for execution of in-house NGPM and outsourced NAGMP projects. Total 9 licenses need to be upgraded for each Geophysics Division of GSI.

TCC-1 at its 71st meeting has recommended the proposal for upgradation of 09 licenses of Geosoft (Oasis Montaj) software for a period of 2 years with a cost of \$ 983860 plus 18% GST equivalent to ₹9,79,61,366/- including 18% GST. Since the upgraded licenses are yearly subscription-based Enterprise License, no AMC or CAMC are required. The vendor will provide all the support required during the subscription period.

The year wise breakup of payment is as under:

Year wise estimated cost in USD and INR (conversion date: 20.11.2024 @ Rs. 84.38)			
Geosoft (Oasis Montaj)	No. of Licenses	1st Year USD/ (INR)	2nd Year USD/ (INR)
Geophysics Standard (Ground)	7	\$354130 (₹ 29881489)	\$371840 (₹ 31375859)
Airborne Field	1	\$39050 (₹ 3295039)	\$41000 (₹ 3459580)
Geophysics Advance	1	\$86750 (₹ 7319965)	\$91090 (₹ 7686174)
Total Estimated yearly Cost in USD (INR)		\$479930 (₹ 40496493)	\$503930 (₹ 42521613)
Grand Total for 2 years without GST		USD 983860 (Rs. 8,30,18,107)	
18% GST		₹1,49,43,259/-	
Total Cost in INR including all taxes		₹9,79,61,366/-*	

**The cost in INR may change subject to the change in the conversion rate of USD to INR at the time of payment.*

Decision: (i) EC accorded financial approval of USD 983860 plus 18% GST for upgrading the existing 09 licenses of Geosoft (Oasis Montaj) software for a period of 2 years without any AMC or CAMC.

(ii) Henceforth, all proposals related to a particular subject/project should be clubbed together at the time of seeking approval.

[Action: GSI]

Agenda 39.6: Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities. [IBM]

Indian Bureau of Mines vide letter dated 5.11.2024 submitted a proposal for procurement of Mineral Processing Equipment, Characterization and Analysis Instruments for 3 mineral processing laboratories located at Nagpur, Bangalore and Ajmer from NMET fund.

Details of the instruments are as under:-

A. Requirements of New Facility for MMPL, Nagpur

S.No.	Equipment name	Qty	Approx Cost (in lakh)- including all taxes
NEW FACILITY			
1	High pressure Grinding Rolls (HPGR)	1	100
2	High Gradient Magnetic Separator (Vertical Pulsating)	1	90
3	Rare Earth Roll Separator (3 Intensities)	1	35
4	High Rate Thickener Test Unit	1	40
5	Jameson Flotation Cell	1	60
6	Fluidized Bed Roasting unit with cylinders & accessories	1	100
7	High Temp. Furnace with Vacuum & Gas Inlet Provision	1	30
8	Mini Flotation Circuit	1	75
REPLACEMENT OF EXISTING FACILITY			
9	Wet Variable Magnetic separator	1	45
10	Wilfley Table (Coarse and Fine Decks)	1	30
11	Pressure Filtration Test Unit	1	50
Mineralogy – Characterization Instruments			
REPLACEMENT OF EXISTING FACILITY			
12	EPMA with accessories and ancillary units	1	1500
13	TG- DTA with accessories & ancillary units	1	90
Chemical – Analysis Instruments			
NEW FACILITY			
14	GF – ASS with accessories	1	70
Total		14	2315

B. Requirements of new facility and replacement of existing facility for RMPL, Bangaluru

S.No.	Equipment name	Qty	Approx Cost (in lakh)- including all taxes
1	High Gradient Magnetic Separator (Vertical Pulsating)	1	90
2	High Rate Thickener Test Unit	1	40
REPLACEMENT OF EXISTING FACILITY			
3	Pressure Filtration Test Unit	1	50
4	Bench top XRD with accessories and ancillary units	1	98
Chemical – Analysis Instruments			
NEW FACILITY			
5	ED- XRF with accessories & ancillary units	1	120
Total		5	398

C. List of requirements of New Facility for RMPL, AJMER

S.No.	Equipment name	Qty	Approx Cost (in lakh)- including all taxes
1	Spiral WW6, FM, HG and MG config. (Each 1 No.)	1	75
2	Electrostatic Roll Separator	1	65
3	High Intensity Disc Magnetic Separator (Dry)	1	30
4	Column Flotation	1	40
5	Centrifugal Gravity Concentrator	1	25
6	Wet Variable Intensity magnetic Separator	1	45
Total		6	280
Grand Total A+B+C		25	2993

TCC-1 at its 71st meeting has recommended the proposal to procure equipments for an estimated cost of ₹29.93 crores (Rs. Twenty nine crore and ninety three lakhs) inclusive of all taxes, custom duties with warranty as applicable with a timeline of 24 months.

Discussion:

Shri. D. P. Kunungo, Director (I/C), Ore Dressing, IBM informed the house that these equipments are necessary for conducting R&D studies pertaining to critical minerals and complex ores. He further, informed that IBM is providing support to Central agencies such as GSI, MECL by carrying out chemical analysis of samples.

Dr. S Ravi, Chairman, TCC-1 also apprised the house that IBM and IMMT are the two main agencies carrying out beneficiation related studies and these instruments will be helpful for carrying out R&D studies.

Decision: EC accorded financial approval of ₹29.93 crore (Rs. Twenty nine crore and ninety three lakhs) inclusive of all taxes, custom duties with warranty as applicable with a timeline of 24 months for procurement of above equipments.

Further, EC advised the chairpersons of both TCCs that same instrument should not be approved for multiple agencies, unless absolutely required.

[Action: IBM]

[Action: TCC-I & TCC-II]

Agenda 39.7: Financial Assistance to State Governments to procure Machinery Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities from NMET funds

A. Financial Assistance to DGM, Nagaland

EC was informed that TCC-2 at its 3rd meeting has recommended the procurement of equipments/instruments to DGM, Nagaland with estimated cost of Rs. 0.77 crore with timeline of 12 months. Details of the equipments are as under:

Sl. No.	Item	Qty	Recommended Cost
1	Air Oven	1	1,50,000
2	Bomb Calorimeter	1	14,00,000
3	Proximate Analyser	1	36,58,000
4	Fusion Bead Machine	1	25,00,000
		Total	7708000

Discussion: EC enquired about the status of earlier procurement by DGM, Nagaland from NMET fund. In this regard, the house was apprised that NMET has sanctioned ₹5.15 crore to DGM, Nagaland in the year 2023 for procurement of equipments/software and they have successfully procured the items.

DGM, Nagaland informed the house that all the instruments are being utilized and proper records are being maintained.

Decision: EC accorded approval of ₹0.77 crore including GST to DGM, Nagaland for procurement of instrument/equipments with a timeline of 12 months.

[Action: DGM, Nagaland]

B. Financial Assistance to DGM, Mizoram

EC was informed that DGM, Mizoram has submitted a proposal for procurement of 02 additional DGPS and cost revision of earlier sanctioned 10 handheld GPS as per details given below:

(i) New procurement

Sl.	Item	Qty.	Equipment Cost (Amount in ₹ incl. GST)	Total Cost (Amount in ₹ incl. GST)
1	DGPS	2	29,50,000	59,00,000
Total Cost				59,00,000/-

(ii) Cost revision of 10 handheld GPS:

Sl.	Item	Qty.	Cost approved in 27 th EC (Amount in ₹ incl. GST)	Revised Cost (Amount in ₹ incl. GST)	Enhanced Cost (Amount in ₹ incl. GST)
1	Handheld GPS	10	80,000	5,19,200	4,39,200
Total Additional Cost					4,39,200

However, TCC-2 at its 4th meeting has recommended the following:

- (i) Proposal for purchase of 01 additional DGPS amounting to ₹29,50,000 including GST.
- (ii) Proposal for additional cost of ₹4,39,200 for 10 Handheld GPS and ₹13,50,000 for 01 DGPS including GST

Discussion:

DGM, Mizoram informed the house that they have already procured the earlier sanctioned 01 DGPS (sanctioned in 27th EC) and had submitted a proposal for procurement of additional 02 DGPS with a cost of ₹59,00,000 (Rs fifty nine lakhs) including GST and cost revision of 10 handheld GPS in 4th meeting of TCC-2. However, in the minutes of the meeting of 4th TCC-2 it was inadvertently written as cost revision instead of procurement of 02 DGPS instruments.

The house was further apprised that the procurement review committee for Mizoram in its report has mentioned that DGM, Mizoram has already procured one DGPS and 3 GIS software with a cost of Rs. 61,95,000/-. Detailed break-up of the cost is given below:

Sl	Item	Qty.	Amount approved in 27 th EC (₹ incl. GST)	Amount for which items were procured (₹ incl. GST)
1	GIS Software	3	45,99,000	61,95,000
2	DGPS	1	16,00,000	
Total Amount			61,99,000	61,95,000

After due deliberation it was decided that since DGM, Mizoram has already procured 1 DGPS and since TCC-2 has recommended procurement of 01 additional DGPS instrument, approval may be considered for procurement of 01 additional DGPS. Therefore, necessary corrigendum of the minutes would be issued by TCC-2.

Decision: EC accorded approval of ₹29,50,000 (Rs. Twenty nine lakh fifty thousand only) including GST with a timeline of 12 months for procurement of 01 DGPS and additional cost of ₹4,39,200 (Rs. Four lakh thirty nine thousand and two hundred only) for procurement of 10 handheld GPS to DGM, Mizoram.

[Action: TCC-2 and DGM, Mizoram]

Agenda 39.8: In-principle approval of Projects submitted by NPEAs

EC was informed that TCC-1 and TCC-2 have accorded in-principle approval for the following 04 nos. of mineral exploration proposals:

S. No.	Block/Project	Agency
1	Reconnaissance Survey (G-4 Stage) for Limestone in Bhatiya Area (6.33 sq, kms) situated in the village Bhatiya, Gokalpur, District-Devbhumi Dwarka, State Gujarat	M/s PRB Infraprojects Private Limited
2	Reconnaissance Survey (G-4 Stage) for Base Metal - Gold prospect in Burogaon-Biltala-Mogan, Lalitpur District, Uttar Pradesh	M/s Geovale Sevice Pvt Ltd
3	Reconnaissance Survey (G-4 Stage) for HREE, Ge, Ga, and Sc in Bhavnagar District, Gujarat	M/s Mining Tech Consultancy Solution
4	Reconnaissance Survey (G-4 Stage) for Limestone in Bhatiya Area (6.33 sq, kms) situated in the village Bhatiya, Gokalpur, District-Devbhumi Dwarka, State Gujarat	M/s Mining Tech Consultancy Solution

Decision: EC advised that the detailed project proposal must be submitted within 3months for approval of EC.

Agenda 39.9: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committees (TCCs)

TCC-1 in its 71st and 72nd meeting and TCC-2 in its 3rd and 4th meeting have recommended following 26 mineral exploration proposals with estimated cost of Rs 49.99 crores for approval of EC.

Details of the new project proposals recommended for approval of EC are as under:

Amount in Rs. crores							
A. Projects approved by TCC-1							
S. No.	Project/Block Name	Area (in km ²)	Agency	Commodity	Stage	Duration (Months)	Recommended Cost
1	Preliminary Exploration (G-3 Stage) for limestone in Chokkanathapuram Block, Ariyalur and Perambalur Districts, Tamil Nadu [71st TCC-1]	8.5	Geo Exploration and Mining Solutions	Limestone	G3	08	2.25
2	"Preliminary exploration (G3 stage) for limestone in Kulumur Block, Ariyalur and Perambalur Districts, Tamil Nadu [71st TCC-1]	7.64	Geo Exploration and Mining Solutions	Limestone	G3	08	2.25
3	Preliminary Exploration (G-3 Stage) for Gold in Chinnikatti Block, Haveri District, Karnataka [71st TCC-1]	7	Mining Tech Consultancy Services Limited	Gold	G3	12	4.69
4	Preliminary Exploration (G-3 Stage) for aluminous laterite and associated critical minerals in Govindagude & Sudigudde block, Udupi District, Karnataka. [71st TCC-1]	1.20	Critical Mineral Tracker	Aluminous laterite and associate minerals	G3	06	0.44
5	Reconnaissance Survey (G4 Stage) for Graphite in and around Dumburuneli area, Rayagada District, Odisha [72nd TCC-1]	72.14	MMPL	Graphite	G4	10	1.38
6	Preliminary Exploration (G3 Stage) for Limestone in Mangrur block, Adilabad District, Telangana	2.51	MMPL	Limestone	G3	08	0.69

	[72nd TCC-1]						
7	Preliminary Exploration (G3 Stage) of Limestone in Ponar Block, Adilabad District, Telangana [72nd TCC-1]	5.04	MMPL	Limestone	G3	08	1.04
8	Preliminary Exploration (G3 Stage) of Limestone, Gadeghat -Khatera block, Yavatmal District, Maharashtra [72nd TCC-1]	11.96	MMPL	Limestone	G3	10	2.31
9	Reconnaissance survey (G4) for REE and associated minerals in Nellikudur area Mahabubabad and Warrangal districts, Telangana [72nd TCC-1]	154	Critical Mineral Tracker	REE	G4	10	1.03
10	Preliminary Exploration (G3) for Bauxite in Kalychohra block, Rayagada district, Odisha [72nd TCC-1]	3.83	DMG, Odisha	Bauxite	G3	12	0.99
11	Preliminary Exploration (G3) for Bauxite in Nittadgi Block, Uttara Kannada district, Karnataka [72nd TCC-1]	4.40	PRB Infra	Bauxite	G3	12	1.40
12	Preliminary Exploration (G3) for Tungsten & Associated Minerals in Bodkipet block (intervening area between Kuhu and Khobna blocks), District: Nagpur, Maharashtra [72nd TCC-1]	5.39	MECL	Tungsten and associated minerals	G3	12	4.15
Total-A							22.62
B. Projects approved by TCC-2							
13	Reconnaissance (G4 Stage) for Gold in Jojobera-Ulihurang Block, Arki Block, Khunti District, Jharkhand [3rd TCC-2]	10.61	JEMCL	Gold	G4	10	1.13
14	Preliminary Exploration (G-3 Stage) for REE and Associated Minerals in Umprikhola Block, Kamrup District, Assam	4.80	MECL	REE	15	12	8.82

	[3rd TCC-2]						
15	Reconnaissance Survey (G4 Stage) for Copper, Molybdenum, Tungsten & associated minerals in Hanspur Block, District Jhansi, Uttar Pradesh [3rd TCC-2]	74.34	MECL	Copper, Molybdenum, Tungsten	G4	10	1.62
16	Reconnaissance Survey (G-4 Stage) for Glauconite, Phosphorite & REE in Ambara-Marub Block, District Kachchh, Gujarat [3rd TCC-2]	94.25	MECL	Glauconite	G4	10	2.30
17	Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh [3rd TCC-2]	22.52	Engeotech	Limestone	G4	10	0.70
18	Reconnaissance Survey (G-4 Stage) for graphite in Korapara, Bankura District, West Bengal [3rd TCC-2]	16.25	MMPL	Graphite	G4	10	1.22
19	Preliminary Exploration (G-3 Stage) for Bauxite, Gallium, Vanadium, REE in Sandhan Block, Kachchh District, Gujarat [3rd TCC-2]	9.85	Geo Marine Solutions Pvt. Ltd	Bauxite and REE	G3	14	2.03
20	Preliminary Exploration (G-3 Stage) for Bauxite, Gallium, Vanadium & REE minerals in Naredi Bauxite Block, Kachchh District, Gujarat [3rd TCC-2]	3.92	Geo Marine Solutions Pvt. Ltd	Bauxite and REE	G3	14	2.33
21	Reconnaissance Survey (G-4 stage) for establishing the occurrence of Lithium and associated minerals in Great Rann of Kachchh, Gujarat [3rd TCC-2]	45	CGM Gujarat	Lithium	G4	10	0.31
22	Preliminary exploration (G3) for Iron ore and associated minerals in Amhawa Block, Sidhi District, Madhya Pradesh. [4th TCC-2]	2.3	MMPL	Iron Ore	G3	12	3.97

23	Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Lakhond area, Kachchh District, Gujarat [4 th TCC-2]	4.95	Critical Mineral Tracker	Bauxite, Titanium, Ga, V and REE	G4	10	0.60
24	Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Nadapa area Kachchh District, Gujarat [4 th TCC-2]	6.20	Critical Mineral Tracker	Bauxite, Titanium, Ga, V and REE	G4	10	0.54
25	Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Reldi Moti area Kachchh District, Gujarat [4 th TCC-2]	7.95	Critical Mineral Tracker	Bauxite, Titanium, Ga, V and REE	G4	10	0.55
26	Reconnaissance Survey (G-4 Stage) of Graphite, Korapara East Block, Bankura District, West Bengal. [4 th TCC-2]	30.68	MMPL	Graphite	G4	10	1.25
Total-B							27.37
Total A+B							49.99

Decision: EC accorded financial approval of ₹49.99 crore (Rs. Forty nine crore and ninety nine lakh only) for 26 new project proposals recommended by TCC-1 and TCC-2.

Agenda 39.10: Approval of Revised/Additional cost for ongoing projects recommended by TCC

A. Cost revision of Mineral Exploration Projects

TCC-2 at its 3rd and 4th meeting has recommended additional cost for following 8 mineral exploration projects:

S. No.	Block/Project	Agency	Approved cost (in Rs Cr.)	Revised cost (in Rs Cr.)	Additional Cost (in Rs Cr.)	Remarks
A. Revised cost approved by TCC-2						
1	Preliminary Exploration (G-3 stage) for Bauxite, Titanium and associated minerals in Siskari Pat Block, Lohardaga District, Jharkhand [3 rd TCC-2]	MECL	0.74	0.76	0.02	Chemical analysis of additional samples

2	Reconnaissance Survey (G4 stage) for Basemetal in Thal-Didihat–Askot area, Pithoragarh District, Uttarakhand” [3rd TCC2]	Geovale	1.87	2.33	0.46	Additional sampling and in-house drilling
3	Reconnaissance Survey (G-4 stage) for Mailar Base Metal-Gold prospect block in Mailar area, Lalitpur District, Uttar Pradesh [3rd TCC2]	Geovale	3.22	3.25	0.03	Additional drilling of 4 drill hole with 200m depth.
4	Reconnaissance Survey (G-4 Stage) for REE Exploration in Bhuj Clay Prospect Block, Kachchh District, Gujarat [3rd TCC2]	Geovale	1.22	2.65	1.43	Additional drilling
5	Reconnaissance Survey (G-4 Stage) for Iron Ore in Mahakoshal Group around Chakdiya, Kushaniya, Jobra and Tusgaon area, Sonbhadra district, Uttar Pradesh. [3rd TCC2]	GeoExpOre Pvt. Ltd	0.95	1.11	0.16	Analysis of additional samples
6	Reconnaissance Survey (G-4 Stage) for Iron, Manganese and Associated Minerals in Tikariya Block, Districts- Jabalpur, Katni and Umariya, Madhya Pradesh. [4th TCC-2]	MECL	2.22	2.24	0.02	Additional drilling and sample analysis
7	Reconnaissance Survey (G-4 Stage) for Iron Ore in Mahakoshal Group around Chakdiya, Kushaniya, Jobra and Tusgaon area, Sonbhadra district, Uttar Pradesh [4th TCC2]	GeoExpOre Pvt. Ltd	1.11	1.95	0.84	Additional drilling

8	Preliminary Exploration (G-3 Stage) for REE and Associated Minerals in Borana Block, Bhilwara District, Rajasthan [4 th TCC2]	GeoExpOre Pvt. Ltd	1.46	1.66	0.2	Additional drilling
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* Amount is inclusive of GST/-

B. Cost revision of procurement project of MECL

Chairman, TCC-1 apprised the house that EC in its 33rd meeting held on 23rd February 2024, had sanctioned ₹32.44 crore to MECL for procurement of following items:

S. No.	Name of Equipment	Rate (approx. ₹Lakh)	Unit	Amount (in ₹lakh)
1	Hyper Spectral Core Scanner with LIBS	1868.00	01	1868.00
2	Hyper Spectral Core Scanner with XRF	1110.00	01	1110.00
3	Gamma Ray Spectrophotometer	30.00	02	60.00
4	WD-XRF	206.87	01	206.87
	Total (excluding GST, custom duty etc.)			3244.87

It was also decided in the 33rd EC meeting, that NMET will not bear the cost of AMC for more than 3 years after warranty of one year; MECL will have to bear the AMC cost thereafter.

The initial proposal of MECL for the procurement of WD-XRF was for ₹206.87 Lakh inclusive of 5 year warranty and no warranty/CAMC charges were indicated.

MECL have informed in their letter dt. 08.01.2025 that a global tender was issued on 05.06.2024 for the procurement of 01 WD-XRF with 1 year warranty and 3 years CAMC. The tender process concluded on 07.12.2024 with the L-1 bidder identified after evaluating techno-commercial offers. Following this, the letter of intent for supply of WD-XRF was issued to the L-1 bidder on 13.12.2024. Subsequently, supply order was issued to the L-1 bidder on 16.12.2024. MECL have informed that the revised cost of WD-XRF is as under:

Cost of equipment:	₹ 205.93 Lakh
CAMC/Extended warranty cost (For 3 years)	₹ 41.52 Lakh
GST @ 18%	₹ 44.54 Lakh
Total Cost Including CAMC & GST (A)	₹ 291.99 Lakh
Earlier sanctioned amount including GST (B)	₹ 244.11 Lakh
Additional Cost (A-B)	₹ 47.88 Lakh

TCC-1 at its 72nd meeting has recommended the revised cost of WD-XRF of ₹ 291.99 Lakh including 3 years CAMC (of ₹ 41.52 Lakh post one year warranty period) and GST @18%.

Decision: EC accorded approval for (i) additional cost of the 8 ongoing exploration projects as per (A) above and (ii) revised cost of WD-XRF amounting to ₹291.99 Lakh including 3 years CAMC (of ₹ 41.52 Lakh post one year warranty period) and GST @18% to MECL as per the above.

Agenda 39.11: Approval for cancellation of ongoing project

TCC-1 has recommended the cancellation of following proposal for approval of EC:

S. No.	Block/Project	Agency	Approved cost (in Crores)	Remarks
1	Preliminary Exploration (G-3 Stage) Malangtoli Iron Ore (C-sub block), Districts- Sundargarh & Kendujhar, Odisha [72nd TCC]	MECL	12.02	1. Forest clearance not received. 2. Project has been withdrawn from MECL and block has been given to OMC, Odisha by DMG, Odisha.

Discussion:

Chairman, TCC-1 apprised EC that the aforesaid project was approved in 8th EC Meeting held on 12th June, 2018 with a timeline of 12 months. MECL applied for forest clearance on 20.9.2019 but has not received the permission till date. Further, Government of Odisha has restructured the Malangtoli “C” sub block by excluding the forest area and allotted the block to OMC for G2 level of exploration and the particular block has been withdrawn from MECL.

Decision: EC approved cancellation of the project titled “Preliminary Exploration (G-3 Stage) Malangtoli Iron Ore (C-sub block), Districts- Sundargarh & Kendujhar, Odisha.”

Agenda 39.12: Approval for Extension of Timeline for ongoing projects recommended by TCC

TCC-1 at its 71st and 72nd meetings and TCC-2 at its 3rd and 4th meetings held in the month of November and December 2024 have recommended the following 29 ongoing proposals for extension of timeline for approval of EC:

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
A. Timeline extension approved by TCC-1					
1.	Preliminary Exploration (G-3 Stage) for Gold in Kakol Block, Haveri District, Karnataka [71st TCC-1]	MECL	4.10.2024	4.4.2025 (6 months)	Based on the outcome of geophysical studies, drilling plan revised.
2.	Reconnaissance survey (G-4 stage) for iron ore in Gopaltola (Salhewara) Block, District-Rajnandgaon, Chhattisgarh [71st TCC-1]	DGM Chhattisgarh	15.10.2024	15.12.2024 (2 months)	GR Submission
3.	Reconnaissance Survey (G-4 stage) for Graphite in Lamer-Panga Block (49 sq. Km) in Kalahandi District of Odisha [71st TCC-1]	OMC	31.10.2024	15.12.2024 (2.5 months)	For GR submission
4.	Reconnaissance Survey (G-4 Stage) for Graphite in Darukona Block (119 sq.km.), Rayagada District, Odisha. [71st TCC-1]	MMPL	14.12.2024	31.3.2025 (3.5 month)	For GR submission
5.	Reconnaissance Survey (G-4 stage) for Kanapulisi Graphite Block (98.3 sq.km.), Rayagada District, Odisha [71st TCC-1]	MMPL	14.12.2024	31.3.2025 (3.5 month)	For GR submission
6.	PFinancial Assistance from NMET funds to procure Machinery Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities [71st TCC-1]	DMG Goa	16.4.2024	31.3.2025 (11.5 months)	Delay in supply of instrument by the supplier
7.	Preliminary Exploration (G-3 Stage) for Gold & assoc. minerals in Sirigeri Block (2 sq.km.), Ballari district, Karnataka [72nd TCC-1]	DMG, Karnataka	14.12.2024	14.6.2025 (6 month)	Delay in drilling and GR Submission
8.	Multi-sensor aero-geophysical surveys over blocks 14 under National Airborne Geophysical Mapping Programme. [72nd TCC-1]	GSI	1.03.2025	31.3.2026 (13 months)	Mobilization of the 2nd aircraft is getting delayed due to the low visibility and bad weather conditions

9.	Multi-sensor aero-geophysical surveys over blocks 5 under National Airborne Geophysical Mapping Programme (NAGMP). [72nd TCC-1]		1.03.2025	31.1.2026 (11 months)	Delay in obtaining clearance from DGCA
10.	Multi-sensor aero-geophysical surveys over blocks 15 under National Airborne Geophysical Mapping Programme (NAGMP). [72nd TCC-1]		1.03.2025	28.2.2026 (12 months)	PIA has not received permission from DGCA for inclusion of two aircrafts and NOC application for importing the 2nd aircraft is still awaited.
11.	Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/ instruments etc. aimed at enhancing the exploration activities. [72nd TCC-1]	DGM, Maharashtra	30.9.24	15.3.2025 (5.5 months)	MCC due to Assembly election and Lok Sabha election

B. Timeline extension approved by TCC-2

12.	Preliminary Exploration (G-3 Stage) for Limestone in Chhasra Block, Kachchh District, Gujarat [3rd TCC-2]	CGM, Gujarat	27.08.2024	28.02.2025 (6 months)	GR Submission
13.	Preliminary Exploration (G-3 Stage) for Limestone in Vayor Block, Kachchh, District, Gujarat [3rd TCC-2]	CGM, Gujarat	27.08.2024	28.02.2025 (6 months)	GR Submission
14.	Preliminary Exploration (G-3 Stage) for Limestone in Jadva Block, Kachchh, District, Gujarat [3rd TCC-2]	CGM, Gujarat	27.08.2024	28.02.2025 (6 months)	GR Submission
15.	Preliminary Exploration (G-3 stage) for Bauxite, Titanium and associated minerals in Siskari Pat Block, Lohardaga District, Jharkhand [3rd TCC-2]	MECL	30.11.2024	31.12.2024 (1 month)	Analysis of additional samples and GR Submission
16.	Preliminary Exploration (G-3 Stage) for copper and associated minerals in Sitapur Block, Balaghat District, Madhya Pradesh. [3rd TCC-2]	MECL	11.12.2024	11.06.2025 (3 months)	GR Submission

17.	Reconnaissance Survey (G-4 stage) for Gold, Copper, Graphite and associated minerals in Jamtola-Khandapar Block, Balaghat District, Madhya Pradesh [3rd TCC-2]	MECL	11.12.2024	30.06.2025 (6.5 months)	GR Submission
18.	Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/ instruments etc. aimed at enhancing the exploration activities [3rd TCC-2]	DGM, Uttar Pradesh	2.4.2024	31.3.2025 (12 months)	Administrative Delay
19.	Reconnaissance Survey (G-4 Stage) for Iron Ore in Mahakoshal Group around Chakdiya, Kushaniya, Jobra and Tusgaon area, Sonbhadra district, Uttar Pradesh [3rd TCC-2]	Geoexpore	27.11.2024	26.5.2025 (6 months)	Additional sampling and GR submission
20.	Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/ instruments etc. aimed at enhancing the exploration activities [3rd TCC-2]	DMR, Meghalaya	6.12.2024	31.03.2025 (3.5 months)	Delay due to specification finalization of microscope
21.	Reconnaissance Survey (G-4 Stage) for PGE, Vanadium & associated minerals in Bhursadongari - Murum Block (100 Sq Km), Balaghat District, Madhya Pradesh [4th TCC-2]	Gemcokati Pvt. Ltd.	11.9.2024	31.3.2025 (6 months)	Forest clearance
22.	Reconnaissance Survey (G-4 Stage) for PGE, Gold & REE in Maneri-Sitapala Block, Balaghat District, Madhya Pradesh [4th TCC-2]	Gemcokati Pvt. Ltd.	31.12.2024	31.03.2025 (3 months)	Forest clearance
23.	Reconnaissance Survey (G-4 Stage) for REE & Rare Metals in Kumhardih-Khijuri-Pachamba Block, Giridih District, State: Jharkhand [4th TCC-2]	MECL	31.12.2024	10.1.2025 (10 days)	GR Submission
24.	Preliminary Exploration (G-3 Stage) for Rock Phosphate in Nimbli Block, Jaisalmer District, Rajasthan [4th TCC-2]	MECL	31.12.2024	28.2.2025 (2 months)	GR Submission

25.	Preliminary Exploration (G-3 Stage) for Diamond in Angira B Block, Chhatarpur District, Madhya Pradesh [4th TCC-2]	MECL	25.9.2024	25.5.2025 (8 months)	Forest issue and GR Submission
26.	Reconnaissance Survey (G-4 Stage) for Iron, Manganese and Associated Minerals in Tikariya Block, Districts- Jabalpur, Katni and Umariya, Madhya Pradesh. [4th TCC-2]	MECL	31.12.2024	31.3.2025 (3 months)	Additional drilling and sample analysis
27.	Preliminary Exploration (G-3 Stage) for Limestone in Bhatura Block (1.5 sq.km.), Satna district, Madhya Pradesh [4th TCC-2]	MPSMC	11.08.2024	11.3.2025 (8 months)	GR Submission
28.	Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/ instruments etc. aimed at enhancing the exploration activities [4th TCC-2]	DGM Madhya Pradesh	12.4.2024	12.5.2025 (13 months)	Delay due to administrative formalities and MCC of Lok Sabha
29.	Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/ instruments etc. aimed at enhancing the exploration activities [4th TCC-2]	DMM West Bengal	15.10.2024	15.3.2025	Administrative Delay

Decision: EC approved timeline extension for the 29 ongoing projects.

Agenda 39.12: Approval for funding of projects under S&T PRISM Scheme from NMET.

The Apex Committee under S&T PRISM Scheme, Ministry of Mines, at its 3rd meeting held on 02.1.2025 had recommended 11 proposals for execution through JNARDDC from NMET funds. The estimated cost of the projects is ₹15.97/- Cr (Rs. Fifteen crore ninety seven lakh only). This step would provide a boost to respective Startups and MSMEs.

The details of the project proposals are as under:

S. No.	Proposal Title	Startup/MSME Name	Project Cost (₹ in Cr.)	Duration (in months)
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1	Processing of Indian Rock Phosphate to produce high quality Import Substitute Fertilizer	Ishita International, Nagpur Maharashtra	1.99	24
2	Production of High Pure Chromium Metal for Defence and Aerospace Applications	RegenMaterials Pvt. Ltd., Bhubaneswar, Odisha	1.60	21
3	Zinc metal as energy storage: mechanically rechargeable zincair batteries as long-duration energy storage for grid applications	Sthyr Energy Private Limited, Chennai, Tamil Nadu	1.96	18
4	Large Scale Production of TwoDimensional Ti3C2TX MXene Nanomaterial from Industrial Waste for Advanced applications	Reseapro Labs Pvt. Ltd, Bhubaneswar, Odisha	1.53	24
5	Manufacturing of Thermal spray powders and Sintered Tungsten Carbide products	PR & SE CARBIDES PVT LTD, Hyderabad, Telangana	1.48	18
6	NdPr Metal Production through Molten Salt Electrolysis Technology	PG TECH PVT. LTD., Indore, Madhya Pradesh	0.99	18
7	Solvent Extractants and IonExchange Resin chemicals for Strategic and Rare Earth Metal Recovery	PolyProtic Chemicals Pvt. Ltd, Vadodara, Gujarat	1.20	24
8	High thermal conducting heat exchanger and heat sink using recycled aluminium composite	Aayogh Engineering Pvt Ltd, Bhubaneswar, ODISHA	1.50	24
9	Highly energy efficient ElectroKompact system for removal of metal and high TDS from mineral industry effluent to achieve zero liquid discharge	Ecologique Science Technik (India) Pvt Ltd, Nagpur, Maharashtra	1.50	20

10	Eco-friendly Innovation: Crafting High-Quality Silicon Dioxide from Quartzite	SKANDA PRECISION DESIGN, Mysore, Karnataka	1.50	24
11	Mineral Resource Estimation and AI-based Borehole Site Selection	Zwilling Labs Private Limited, Mumbai, Maharashtra	0.72	15
Total Approved			15.97	

Decision: EC accorded financial approval of ₹15.97 crore towards funding of 11 projects under S&T PRISM scheme.

Discussions

After the agenda items were discussed, suggestions from the technical experts were sought which are given below:

- (i) Shri. L. S. Shekhawat, Dy. Director General (Retd.) informed the house that the reports of NMET funded exploration projects are uploaded on NMET website and in some of the reports annexures are not attached. These annexures contain analytical results which are important for interpretation. Therefore, reports with complete annexures should be uploaded on the website. Chairman, EC instructed NMET Secretariat to ensure that the missing annexures are uploaded and henceforth the reports be uploaded with complete annexures.

[Action: NMET]

- (ii) It was reiterated that the services of Private Exploration Agencies (NPEAs) which are notified by Ministry of Mines be directly utilized by CMPDIL for coal exploration by establishing a Standard Operating Procedure (SoP) with a pre-defined Schedule of Charges, on the pattern existing in NMET.

[Action: Ministry of Coal]

- (iii) Chairman, EC stated that about 2600 geological reports have been prepared by various State Governments in past few decades. These reports need to be evaluated for their geological potential. He advised the Chairmen of TCC-1 & TCC-2 to evaluate these reports for

determining the feasibility of further exploration or auction by the States/Central Government. In this process they may obtain the assistance of the DDGs (SU), GSI. The progress in this matter to be apprised to EC at its next meeting.

[Action: Chairmen TCC-1 & TCC-2 & GSI]

The meeting ended with vote of thanks to the chair.

List of Participant

Sl. No.	Name and Designation	Status	Remarks
1	Shri V.L Kantha Rao Secretary, Ministry of Mines	Chairperson, ex officio	Physical
2	Shri PN Sharma Controller General, Indian Bureau of Mines	Member, ex officio	Online
3	Shri Vivek Kumar Bajpai Joint Secretary Ministry of Mines	Member, ex officio	Physical
4	Shri Dheeraj Pande Director Dept. of Atomic Energy	Member, ex officio	Online
5	Shri Birendra Thakur Director (Tech), Representative of Joint Secretary Ministry of Coal	Member, ex officio	Physical
6	Smt. Geetika Shamra Dy. Secretary Ministry of Mines	HoD, NMET	Physical
7	Anand Kumar Jha Director (E-I), Representative of Joint Secretary Ministry of Petroleum and Natural Gas	Member, ex officio	Online
8	Shri Thaneshwar Kumar Under Secretary, Representative of Joint Secretary and Financial Advisor Ministry of Mines	Member, ex officio	Physical
9	Shri Shiladitya Sengupta Dy. Director General, PSS Representative of Director General Geological Survey of India	Member, ex officio	Online
10	Dr. T R K Rao, Director General DGM, Maharashtra	Members, ex officio	Through VC
11	Shri Vivek Nema Dy. Director Mineral Resource Department Govt. of Madhya Pradesh	Members, ex officio	Through VC
12	Smt. K Deepa Joint Director Commissionerate of Geology and Mining Government of Tamil Nadu	Member, ex Officio	Through VC
13	Shri S. N. Dodiya Additional Director Mines and Geology Govt. of Rajasthan	Member, ex Officio	Through VC
14	Shri Alok Sharma GM (Exploration) (Retd.) CMPDIL	Technical Expert	Through VC

15	Shri Naresh Nautiyal Head (Business Development & Planning) (Retd.) MECL	Technical Expert	Through VC
16	Dr. Yamuna Singh Scientist-H (Retd.) Atomic Minerals Directorate for Exploration and Research	Technical Expert	Through VC
17	Dr. Laxman Singh Shekhawat Dy. Director General (Retd.) Geological Survey of India	Technical Expert	Through VC
18	Dr. Sahendra Singh Professor Department of Applied Geology Indian Institute of Technology (ISM)	Technical Expert	Through VC
INVITEES			
19	Dr. S Ravi Dy. Director General and Chairman, TCC-1, NMET	Invitee	Online
20	Shri Pradeep Singh Dy. Director General and Chairman, TCC-2, NMET	Invitee	Physical
21	Shri Abhishek Das Sr. Geologist, Representative of Director (Tech.) Ministry of Mines	Invitee	Physical
Officers of NMET			
22	Smt. Anju C S	Suptdg. Geologist	Physical
23	Shri Seababrata Das	Senior Geologist	Physical
24	Smt. Palak Kapoor	Senior Geologist	Physical
25	Dr. Rajesh Sharma	Senior Geologist	Physical
26	Shri Ravi Dutt	Cost Accounts Officer	Physical
27	Shri Akshay Kumar Verma	Geologist	Physical
28	Shri Jayant Gupta	Asst. Cost Accounts Officer	Physical
29	Shri Yogesh Agarwal	Assistant	Physical

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Project Approval OM No. 843

**Government of India
Ministry of Mines
National Mineral Exploration Trust**

File No. 23/563/2025-NMET/ **843**

New Delhi, 10th February, 2025

OFFICE MEMORANDUM

Subject: Approval of the project "Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh".

Agency:- M/s Engeotech.

On the recommendation of the Technical-cum-Cost Committee (TCC), the Executive Committee (EC) in its 39th meeting held on 24th January, 2025 approved the mineral exploration project of M/s Engeotech through NMET fund as per following details:-

S. No	Project/Block Name	Agency	Duration (Months)	Approved Cost (₹ Including GST)
1	Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh	M/s Engeotech	10 months (up to 09.12.2025)	₹70,14,523/-
Total (Rupees Seventy lakh fourteen thousand five hundred twenty three only)				₹70,14,523/-

2. M/s Engeotech shall submit progress on monthly basis to NMET Secretariat. The TCC, NMET shall review the progress of project and provide update to the Executive Committee. The timeline is enclosed in **Annexure**, as summarized below:-

Field Mobilization	1 st month (up to 09.03.2025).
Exploration (Survey, Geophysical mapping, surface drilling, Camp winding)	2 nd to 08 th month (up to 09.10.2025).
Laboratory Studies	8 th month (up to 09.10.2025)
Report Writing with Peer Review and submission to NMET	09 th to 10 th month (up to 09.12.2025)

3. M/S Engeotech shall complete the project as per the above terms.

4. The uploading of Geological Report (GR) on NGDR portal is sole responsibility of the exploration agency. The final payment will be made only after receiving the confirmation of the same. The screenshot/ acknowledgement of successful uploading of GR is to be submitted to NMET with the final bill.

5. Further, as per clause 2.2(viii) of the Office Memorandum no. 6/3/2015-NMET/176 dated 210th June, 2024 regarding Scheme for engagement of Notified Private Exploration Agencies in Mineral Exploration directly through NMET *"In case the NPEA wishes to avail mobilization advance (up to 30% of the approved project cost), the NPEA has to submit a Bank Guarantee (BG, including e-bank guarantee) of equal value of advance to NMET"*.



[Geetika Sharma]
Deputy Secretary & HoD, NMET

Copy for information and further necessary action:-

1. M/s Engeotech.
2. I.F. Division, Ministry of Mines, Shastri Bhawan, New Delhi
3. Executive Committee (EC) Meeting file (F.No.6/2/2015-NMET)
4. Grant-in aid Sanction order file.

Estimate Cost for Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh
Area 22.52 sq. km, No.of BH: 03, Borehole depth range- 30/50 m; Schedule timeline- 10 months Review: After 3 Months

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl No.	Rates as per SoC	Qty.	Total Amount (Rs)	
A	Geological Mapping (1:12500) & Other Geological Work						
1	Charges for Geologist man days for LSM and & sampling	day	1.2.b	11,000	90	9,90,000	2 geologists x 45 days each
2	Labours Charges; Base rate	day	5.7	526	180	94,680	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
3	Charges for Geologist per day (HQ) for data interpretation and Map preparation	day	1.2.a	9,000	60	5,40,000	
	Sub Total- A					16,24,680	
B	Survey work						
1	Charges of Surveyor for survey layout work & Block boundary demarcation	per day	1.6.1a	8,300	45	3,73,500	2 surveyors x 45 days each
2	Labours Charges; Base rate	day	5.7	526	180	94,680	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
3	DGPS Survey for boundary pillar, BH fixation & RL determination	Per Point	1.6.2	19,200	16	3,07,200	3 Bh and 13 boundary
	Sub-Total B					7,75,380	

C	Mineral Investigation						
1	Excavation of Trenches upto 2.0 m depth	per cu.m.	2.1.1	3,300	-	-	2 trenches (1.5x1.5x30)
2	Excavation of Pit upto 2.0 m depth	per cu.m.	2.1.2	3,800	18	68,400	3 pits (1x1x6)
	Sub-Total C					68,400	
D	DRILLING (in -house)						
1	Drilling up to 300m - soft rock	m	2.2.1.3a	7,168	110	7,88,480	As per MoC rate 30m + 30m + 50m
2	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	3	6,000	
3	Transportation of Drill Rig & Truck associated per drill (1 rigs)	Km	2.2.8	36	300	10,800	a per actuals. To & fro from Jabalpur
4	Monthly Accomodation Charges for drilling Camp	month	2.2.9	50,000	2	1,00,000	
5	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	
6	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	
7	Road Making (Flat Terrain)	Km	2.2.10a	22,020	1	22,020	as per actual
8	Drill Core Preservation	per m	5.3	1,590	110	1,74,900	
9	Sample Processing	per day	1.5.2	5,100	19	96,900	
10	Labours Charges; Base rate	day	5.7	526	76	39,976	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
11	Land/Crop Compensation	per BH	5.6	20,000	3	60,000	
	Sub Total D					17,99,076	
E	Borehole Geophysical Logging & Sampling						
1	Logging & Sampling	per day	1.2.b	11,000	-	-	
	Sub Total E					-	
F	LABORATORY STUDIES						
	Chemical Analysis						

1	Quantitative chemical analysis of rock by conventional wet chemical method for 12 determinations (other than alumino-silicate and phosphate rock) (Bedrock/Channel /Soil/Stream sediment)	Nos	4.1.1	8,157	150	12,23,550	110 drilling and 40 BRS sample
	<u>Physical & Petrological Studies</u>						
2	Preparation of thin section	Nos	4.3.1	2,353	5	11,765	
3	Study of thin section	Nos	4.3.4	4,232	5	21,160	
4	Digital Photographs	Nos	4.3.7	280	10	2,800	
5	Bulk Density	Nos	4.10	3,540	5	17,700	
	Sub Total F					12,76,975	
G	Total A to F					55,44,511	
H	Geological Report Preparation	5 Hard copies with a soft copy	5.2	Exploration cost exceeding 50 lakh but less than 150 lakh: A Minimum of ₹2.5 lakh or 5% of the work whichever is more		2,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
I	Peer review Charges		As per EC decision			30,000	

J	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is less		1,20,000	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
K	Total Estimated Cost without GST					59,44,511	
L	Provision for GST (18% of J)					10,70,012	GST will be reimburse as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					70,14,523	
				or Say Rs. In Lakhs		70.15	
Note:							
1	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						




Time Schedule/ Action Plan for Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh

S. No.	Description		1	2	3	Review	4	5	6	7	8	9	10
1	Camp Setting	Months/Days											
2	Large Scale Mapping (1:12500) & BRS Sampling	Months/Days											
3	Pitting/Trenching	Months/Days											
3	Surface Drilling (1 rigs)	600 m											
4	Core Logging & Sampling	days											
5	Laboratory Studies	Nos.											
6	Camp Winding	months											
7	Report Writing with Peer Review	months											




05

1st Review in 9th TCC-II

Ministry of Mines
National Mineral Exploration Trust
Minutes of 9th meeting of Technical-cum-Cost Committee - II (TCC - II)
held on 29th & 30th May 2025

The 9th meeting of Technical-cum-Cost Committee – II (TCC - II) of National Mineral Exploration Trust (NMET) was held through video conferencing under the Chairmanship of Shri Pradeep Singh, Deputy Director General (DDG), Geological Survey of India (GSI) and Chairman, TCC-II, NMET on 29th & 30th May 2025.

Members of TCC-II, NMET and representatives from Mineral Exploration and Consultancy Limited (MECL), FCI Aravali Gypsum & Minerals India Limited (FAGMIL), DGM Mizoram, Central Mine Planning & Design Institute Limited (CMPDI), CGM Gujarat, DMG Rajasthan, M/s Envirogreen Consultants (India) Private Limited, M/s Novomine India Private Limited, M/s PRB Infra Projects Private Limited, M/s Gemcokati Exploration Private Limited, M/s Engeotech Consultants, M/s Geomarine Solutions Private Limited, M/s Maheshwari Mining Pvt. Ltd. (MMPL), M/s GeoExpOre Private Limited, M/s Critical Mineral Trackers, M/s Earthenviron Lab Private Limited, M/s APC Drilling & Construction Private Limited, M/s Ocean Drilling and Exploration Private Limited, M/s Enkay Enviro Services Private Limited, M/s Vardan Environet LLP. etc. have attended the meeting through video conferencing mode.

The list of participants is at Annexure-I.

Shri Sanjay Singh, Director, GSI and Member Secretary, TCC-II, NMET warmly welcomed all TCC-II members and every participant representing various Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs).

In his opening remarks, Shri Pradeep Singh, Chairman, TCC-II, informed the committee members that a more thorough review of the Detailed Project Reports (DPRs) and ongoing projects is required. He also emphasized that new project proposals have to be assessed with careful consideration to ensure the judicious use of NMET funds.

Agenda 9.1 Technical Evaluation of New Project Proposals

Agenda 9.1.1 Preliminary Exploration (G3) for Limestone, (9.25 Sq. Km) village Kotra, Tehsil Kotra, District Udaipur, Rajasthan

[Implementing Agency: M/s Envirogreen Consultants (India) Private Limited]

- a) The proposed exploration block of 9.25 sq. km. area, falls in Survey of India Toposheet numbers 45H/2, 45H/3 in parts of Udaipur district, Rajasthan.
- b) M/s Envirogreen Consultants (India) Private Limited informed that the block area has limestone deposit as per outcrop seen within the area. Limestone deposit has been proven by GSI & DGM, Gujarat in surrounding area of the Block through G4 exploration in the strike of the block. Exploration will locate and quantify the different grade of limestone based on the requirement for the different industries (viz. Cement, Steel, Chemical etc.).
- c) DMG Rajasthan apprised the TCC-II, that rather than entrusting external agencies with limestone exploration blocks in Rajasthan, the State Government intends to conduct the exploration itself.



- d) The TCC-II opined that further clarification from DMG Rajasthan for the proposed block is needed.

Recommendations of TCC-II

The committee does not recommend the proposal for approval of EC

Agenda 9.1.2 Reconnaissance Survey (G4) of REE mineralization in Jeerawal (W) Rohua Block, Tehsil-Reodar, (134 Sq. km Area), District Sirohi, Rajasthan

[Implementing Agency: FCI Aravali Gypsum & Minerals India Limited (FAGMIL)]

- a) The proposed exploration block of 134 sq. km. area, falls in Survey of India Toposheet numbers 45D/6 in parts of Sirohi district, Rajasthan.
- b) FAGMIL informed that, GSI in the FS 2017–18 carried out Geochemical studies and identified anomalous concentrations of U (22.12 ppm), Th (63 ppm), Pb, Ta, and elevated K₂O, Rb (253 ppm), Y (101 ppm), Sn (15.46 ppm) over granitic rocks (Erinpura, Jalore, Malani) in the NE region, especially NW of Jeerawal. High Zr (2776 ppm) and Hf (100.70 ppm) were reported near Jeerawal and Barechi. Further, in FS 2018–19, GSI conducted Geophysical survey which indicated a NE-SW trending gravity anomaly with high magnetic response, suggesting a basic intrusive body. Two significant lineaments were interpreted near Lalpura and Jeerawal. In FS 2021–22, GSI, carried out reconnaissance survey in Jeerawal–Sanpur area which revealed REE, U, Th, Zr mineralization in granitoids. EPMA analysis showed granodiorite with TREE up to 372 ppm. Of 113 samples, 15 recorded TREE >500 ppm. Higher LREE values (e.g., La 373.97 ppm, Ce 666.12 ppm) were associated with granitic and metamorphic lithologies near Jirawal, Bhilda, and Barechi.
- c) As per the comments received from GSI, the proposed block has been carved out from GSI's RMT block. Comments from AMD and DMG Rajasthan were pending at the time of the meeting.
- d) The TCC-II advised the Implementing Agency to modify the proposed block boundaries to exclude areas with thick aeolian sediment cover. It also suggested incorporating available data from the GSI's RMT project into the DPR and, accordingly, reducing the proposed geophysical components in the plan.

Recommendations of TCC-II

The committee deferred the proposal for next TCC-II meeting (Consent of DMG Rajasthan is required)

Agenda 9.1.3 Reconnaissance Survey (G4) for Bauxite and associated minerals in Ratnal area (44 sq. km), District Kachchh, Gujarat

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The proposed exploration block of 44 sq. km. area, falls in Survey of India Toposheet numbers 41E/16 & 41I/4 in parts of Kachchh District, Gujarat.
- b) MECL informed that the area comprises Bauxite/Laterite associated with Deccan Trap volcanics, specifically the Matanomadh Formation. These bauxites formed through supergene alteration of pyroclastic facies of Deccan basalts and are overlain by Eocene gypseous shale beds. CGM Gujarat (1974) explored the area via pitting, reporting bauxite resource of 0.11 million tonnes with an average of 44.77% Al₂O₃ and

8.52% SiO₂, recommending further detailed exploration. The region hosts active bauxite leases and exploration in the Matanomadh Formation. Geological mapping (FSP 1981–82 & 1984–85) confirms bauxite presence in supra-trappean formations, characterized by oolitic/pisolitic bauxite, lithomarge, aluminous grit, and clays. Bauxite is formed in situ by lateritization of Deccan Trap basalts, with higher titanium content than bauxites from Khondalite-Charnockite terrains. Hence, titanium prospecting is also included in the proposed G-4 level exploration plan.

- c) MECL team also conducted field visit and identified bauxite associated with Laterite in and around the proposed block. Where, the values of Al₂O₃ (%) ranges from 10.34 to 36.69 & TiO₂ (%) ranges from 1.13 to 3.54.
- d) CGM Gujarat apprised the TCC-II that NOC approval has been given to MECL for a large area and the proposed block forms a small part of the area. As per the comments received from GSI, Al₂O₃ value ranges from 18.47 to 28.83 (wt%). Comments from AMD were pending at the time of the meeting.
- e) The TCC-II opined that geological mapping & pitting/trenching can be done in the first phase of the project. The committee agreed for total 270 meter of drilling in 9 boreholes, with average depth of 30m, subject to positive outcomes from geological mapping and pitting/trenching activities.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for “Reconnaissance Survey (G-4) for Bauxite and associated minerals in Ratnal Area, Districts Kachchh, Gujarat” with an estimated cost of ₹118.31 Lakh (including GST) within the time schedule of 10 Months and submission of the report as per Annexures IIA & IIB. The item will be reviewed after 4 months. Total 270 meter of drilling will be done in 9 boreholes, with average depth of 30m subject to encouraging outcomes after geological mapping and pitting/trenching activities.

Agenda 9.1.4 Reconnaissance Survey (G4) for Bauxite and associated Minerals in Kukma Area (13.32 sq. km), District Kachchh, Gujarat

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The proposed exploration block of 13.32 sq. km. area, falls in Survey of India Toposheet numbers 41E/15 & 41E/16 in parts of Kachchh District, Gujarat.
- b) MECL informed that the area features Bauxite/Laterite linked to Deccan Trap volcanics. Bauxites of the Matanomadh Formation formed through supergene alteration of pyroclastic Deccan basalts, comprising ferruginous laterite over Deccan traps, overlain by Eocene gypseous shale beds.
- c) Bauxite deposits in the area are associated with laterites of the Matanomadh Formation, formed by in-situ alteration of Deccan Trap pyroclastics. CGM Gujarat (1974) explored the area through pitting, reporting reserves of 0.11 million tonnes with average grades of 44.77% Al₂O₃ and 8.52% SiO₂, and recommended further detailed exploration. Active bauxite leases and ongoing exploration exist nearby. Geological mapping (FSP 1981–82 & 1984–85) confirms bauxite presence in supra-trappean formations characterized by oolitic/pisolitic bauxite, lithomarge, aluminous clays, and associated sediments. Bauxite over basalt shows higher titania than that from Khondalite-Charnockite, supporting inclusion of titania prospecting in the proposed exploration. A recent MECL field visit confirmed bauxite occurrences with laterite, with

sample values of 35.45% Al_2O_3 , 6.36% TiO_2 , 646 ppm V, and 39 ppm Ga in and around the proposed block.

- d) CGM Gujarat apprise the TCC-II that NOC approval has been given to MECL for the area of the proposed block.
- e) The TCC-II opined that geological mapping & pitting/trenching can be done in the first phase of the project. The committee agreed for total 150 meter of drilling in 5 boreholes, with average depth of 30m, subject to positive outcomes of initial 2 boreholes. The committee also suggested the Implementing Agency to identify the parent rock.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for “Reconnaissance Survey (G-4) for Bauxite and associated minerals in Kukma Area, District Kachchh, Gujarat” with an estimated cost of ₹75.45 Lakh (including GST) within the time schedule of 10 Months and submission of the report as per Annexures IIIA & IIIB. The item will be reviewed after 4 months. Total 150 meter of drilling in 5 boreholes, with average depth of 30m, will be done, subject to positive outcomes of initial 2 boreholes.

Agenda 9.1.5 Reconnaissance Survey (G4) for REE and associated mineralization in Kali Talavdi Area (102.50 sq. km), Kachchh Basin, District Kachchh, Gujarat

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The proposed exploration block of 102.50 sq. km. area, falls in Survey of India Toposheet numbers 41E/15 in parts of Kachchh District, Gujarat.
- b) MECL informed that they have analyzed NGCM data (Toposheet 41E/15) from the NGDR portal for the proposed block. $\Sigma\text{REE}+\text{Sc}+\text{Y}$ values in 25 stream sediment samples range from 654.73 ppm to 1614.90 ppm, averaging 998.25 ppm. Thirteen samples exceed 1000 ppm, and all exceed 500 ppm, indicating strong REE enrichment. Chondrite-normalized REE patterns show pronounced LREE enrichment with a flat HREE pattern and a strong negative Eu anomaly. GSI's NGCM data from adjacent toposheets (41E/11, 12, 15 & 16) also show anomalous REE values, supporting the proposal to take up the Kali Talavdi area for reconnaissance REE exploration. MECL is conducting G-4 exploration for REE and associated elements in five nearby blocks around Bhuj, targeting the Bhuj and Katrol formations. A field visit to the proposed block led to chip sample collection, with $\Sigma\text{REE}+\text{Sc}+\text{Y}$ values ranging from 173.47 ppm to 1652 ppm across six samples. Three samples recorded values above 500 ppm, indicating promising REE potential.
- c) CGM Gujarat apprised the TCC-II that NOC approval has been given to MECL for the area of the proposed block.
- d) The TCC-II suggested that, given the ongoing projects (5 blocks in same toposheet with similar geological set up) in adjacent areas, it would be prudent to await the results from at least one completed project before initiating exploration in the proposed block.

Recommendations of TCC-II

The committee does not recommend the proposal for approval of EC.

Agenda 9.1.6 Preliminary Exploration (G3) for Limestone, Barsora block, SW Khasi Hills District, Meghalaya

[Implementing Agency: M/s Novomine India Private Limited (NIPL)]

- a) The proposed exploration block of 4.00 sq. km. area, falls in Survey of India Toposheet numbers 78O/4 in parts of SW Khasi Hills District, Meghalaya.
- b) M/s Novomine India Private Limited informed that based on previous investigations by GSI and the Directorate of Mineral Resources (DMR) Meghalaya, along with geological data from the NGDR portal, a limestone-bearing block in the Barsora area has been proposed for G3-level exploration. The deposit, part of the Shella Formation (Tertiary age), extends over 50 km (E-W) and is light grey, fossiliferous (nummulitic), and high-grade. GSI (FS 1976–78) estimated resource of ~50 MT over 1.8 sq. km with average CaO of 48.53% and low MgO + SiO₂ (<5%). DMR (FS 1984–85) reported 37 MT with CaO ~50%, MgO 0.75%, and low silica. NIPL's recent survey confirmed high-grade limestone (CaO 51.87–54.32%, SiO₂ 0.28–1.76%). Nearby quarries (Donkurpar Massar and Rita Massar) support the resource potential. The proposed G3 - level exploration will delineate the deposit's extent, grade, and industrial suitability.
- c) As per the comments received from Directorate of Mineral Resources (DMR) Meghalaya, the proposed area is feasible for limestone exploration & there is no CL /ML in the block.
- d) The TCC-II advised conducting geological mapping at a 1:4000 scale and also suggested modifying the block boundary to facilitate effective borehole planning for G3 stage of exploration.
- e) Further, M/s Novomine India Private Limited informed the committee about the economic feasibility of the project. The average distance of nearby cement factories from the proposed exploration block is approximately 100 km.
- f) The TCC-II opined that input from the State Government and IBM, Regional Office, is required regarding the economic viability of the proposed block before a decision can be made.

Recommendations of TCC-II

The committee deferred the proposal for next TCC-II meeting (input from the State Government and IBM is required).

Agenda 9.1.7 Reconnaissance Survey (G4) for V-Cr-Ti bearing magnetite Mawkapiah-Mawkhiat area, West Khasi Hills district, Meghalaya

[Implementing Agency: M/s Novomine India Private Limited (NIPL)]

- a) The proposed exploration block of 36.00 sq. km. area, falls in Survey of India Toposheet numbers 78O/2 and 78O/6 in parts of West Khasi Hills district, Meghalaya.
- b) M/s Novomine India Private Limited (NIPL) informed that the proposed block has been delineated based on prior Geological Survey of India (GSI) reports and available lithological and geochemical data from the National Geoscience Data Repository (NGDR) portal. Magnetic anomalies were identified during a ground geophysical survey in the eastern part of SOI toposheet No. 78O/2. Additionally, an airborne electromagnetic (AEM) anomaly was detected by the National Geophysical Research Institute (NGRI) during an aero-geophysical survey conducted in 1977 at a flight elevation of 6,700 ft. This anomaly trends in an east-northeast to west-southwest

direction. The Myniar area, located within this anomaly, was investigated by GSI during the 2015–16 field season . The study delineated six magnetite bodies, all exhibiting promising concentrations of vanadium (0.58% to 0.76%), chromium (0.50% to 1.36%), and titanium (13.83% to 18.09%). Similar high-grade magnetite deposits enriched in vanadium, chromium, and titanium have been reported in the Rambrai area (Sreenivasaiah et al., 2012–13), situated to the southeast of the proposed block.

- c) As per the comments received from Directorate of Mineral Resources (DMR) Meghalaya, there is no CL /ML in the proposed block. Also, there is no ongoing project by DMR, Meghalaya in the block.
- d) The TCC-II opined that prior identification of the target lithology is needed. More pitting/trenching and sampling to be done by the implementing agency itself for the control over target lithology.

Recommendations of TCC-II

The committee does not recommend the proposal for approval of EC.

Agenda 9.1.8 Preliminary Exploration (G3) for Limestone in Vadekhan Block, Upleta Taluka, Rajkot District, Gujarat

[Implementing Agency: M/s PRB Infra Projects Private Limited]

- a) The proposed exploration block of 6.19 sq. km. area, falls in Survey of India Toposheet numbers 41K/1 in parts of Rajkot District, Gujarat. The project was given in-principle approval in the 4th meeting of TCC-II, NMET, held on 26th & 27th December 2024.
- b) M/s PRB Infra Projects Private Limited informed that The NOC approval has been given by CGM Gujarat for this exploration block. The area comprises of Limestone of Miliolite Formation, which is reported to be of cement grade. GSI has carried out quaternary geological mapping in the parts of Saurashtra area in the FS 1971-72 and has reported occurrence of high-grade lime stones in the Gaj and Miliolite Formations. (Report by K.K. Verma and U.B. Mathur). The PRB team has visited the area and collected 5 bed rock samples of Miliolitic limestone exposed in the area. The results of the analysis indicate that the samples meet chemical-grade classification criteria. The compositional assessment revealed an average silica (SiO₂) content of 1.2% and a calcium oxide (CaO) concentration of 50%, suggesting potential industrial applications.
- c) The TCC-II advised that initially detailed geological mapping, pitting (1st phase) and sampling to be done. After the review of the sample analysis results of 1st phase, core drilling/ pitting (Second phase) will be decided.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for “Preliminary Exploration (G3) for limestone in Vadekhan Block, Rajkot district, Gujarat” with an estimated cost of ₹68.61 Lakh (including GST) within the time schedule of 10 Months and submission of the report as per Annexures IVA & IVB. The item will be reviewed after 4 months. Total 100 meter of drilling will be done in 10 boreholes, with average depth of 10m. Drilling will commence after review.

Agenda 9.2 Review of Ongoing Procurement Projects & Timeline Extension

Agenda 9.2.1 Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities
[Implementing Agency: DGM Mizoram]

The agenda was not discussed.

9.3 Review of Ongoing Projects/ Completed Projects & Timeline Extension

Agenda 9.3.1 Reconnaissance Survey (G4) for PGE, Vanadium & associated minerals in Bhursadongari - Murum Block (100 sq. km), Balaghat District, Madhya Pradesh
[Implementing Agency: M/s Gemcokati Exploration Private Limited]

- a) M/s Gemcokati Exploration Private Limited informed that the project was recommended in 62nd meeting of TCC held on 28, 29 February & 1st March 2024. The project was approved in the 34th EC Meeting held on 12th March 2024. The OM was issued on 12th March 2024 with timeline of 06 months (up to 11.09.2024) and approved cost of INR 61.01/- Lakh. Time extension till 31.03.2025 (6 months) and till 30.06.2025 (3 months) was approved by 39th and 41st EC meetings respectively.
- b) The Implementing agency briefed that forest clearance for pitting and trenching based on new forest guidelines on Pitting and Trenching was obtained (from Range Forest office) on 6th March 2025. Further, the approved project budget has increased due to the addition of registration and processing fees related to Forest Clearance. But there is no budget provision in SoC of NMET for these expenses.
- c) Based on this G4 work, three titanium, vanadium enriched aluminous laterites capped on Amgaon phyllite (600 hectares), Sitagota basalt (320 hectares) and Kotima basalt (160 hectares) have been delineated by the Implementing agency. These are also extending into lower adjacent Maneri-Sitapala block. Demarcation of potential area has been done on the basis of BRS as well as pit & trench samples results.
- d) The TCC-II agreed for the proposed peer review of the final Geological Report. The committee also agreed to drop the EPMA studies for this project, as the chemical analysis results did not yield any significant values.

Recommendations of TCC-II

The committee agreed for the proposed peer review of the final Geological Report. The committee also agreed to drop the EPMA studies. The matter of registration and processing fees for Forest Clearance will be brought to the attention of the Executive Committee (EC).

Agenda 9.3.2 Reconnaissance Survey (G4) for PGE, Gold & REE in Maneri-Sitapala Block, Balaghat District, Madhya Pradesh (Cost escalation)
[Implementing Agency: M/s Gemcokati Exploration Private Limited]

- a) M/s Gemcokati Exploration Private Limited informed that the project was recommended in 55th meeting of TCC held on 23rd August 2023. The project was approved in the 31st EC Meeting held on 12th September 2023. The OM was issued on 5th October 2023 with timeline of 08 months (up to 04.06.2024) and approved cost of

INR 64.92/- Lakh. The project was given time extension till 31.07.2024 (2 months), 31.12.2024 (5 months) and 31.03.2025 (03 months) by 64th TCC, 37th EC and 39th EC respectively.

- b) The Implementing agency further informed the committee that the approved project budget has increased due to the addition of registration and processing fees related to Forest Clearance. But there is no budget provision in SoC of NMET for these expenses.
- c) The TCC-II agreed for the proposed peer review of the final Geological Report.

Recommendations of TCC-II:

The committee agreed for the proposed peer review of the final Geological Report. The matter of registration and processing fees for Forest Clearance will be brought to the attention of the Executive Committee (EC).

Agenda 9.3.3 Reconnaissance survey (G4) for copper and associated minerals in Kochipur District– Sidhi, Madhya Pradesh

[Implementing Agency: Central Mine Planning & Design Institute Limited (CMPDI)]

- a) CMPDI informed that the project was approved in 37th EC meeting with timeline of 10 months (up to 21.08.2025) and approved cost was INR 125.13 lakh. Sanction Order was issued on 22nd October 2024.
- b) The implementing agency briefed about the status of progress of the exploration work. Geological mapping on 1:12,500 scale of 90 sq. km. area has been completed while pitting/trenching, collection of samples & chemical analysis is in progress. The agency proposed analysis of PGE for 3 samples of Metabasic rocks.
- c) The TCC-II advised incorporation of the aeromagnetic data for tracing Iron rich bands. The committee also suggested to map the dimensions of Iron & Graphite bands. To establish the presence of iron and graphite bands, channel sampling and trenching must be carried out, respectively. Analysis of select samples for Cadmium, Indium & Germanium was also suggested by the committee.
- d) The TCC-II opined that Drilling quantum will be decided after the review of the analytical results of trench samples. Proposal for analysis of PGE for 3 samples of Meta basic rocks was not accepted as the Ni and Cr values are very low.

Recommendation of TCC-II:

The committee deferred the proposal for next TCC-II meeting for evaluation of revised cost sheet.

Agenda 9.3.4 Reconnaissance Survey (G4) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh

[Implementing Agency: M/s Engeotech Consultants]

- a) M/s Engeotech Consultants informed that the project was approved in the 39th EC Meeting held on 24th January 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 10 months (up to 09.12.2025) and approved cost was INR 70,14,523/-.
- b) The implementing agency informed the committee about the progress of the project. Geological mapping on 1:12,500 scale of 22.52 sq. km area & Survey work has been done. Chemical analysis & lab studies are in progress.

- c) The TCC-II suggested the modification in Bore hole numbers with spacing of 1600m. Drilling of total 9 Bore holes with depth range of 30/50m were agreed by the committee.

Recommendations of TCC-II:

The committee recommends the proposal for approval of EC for “additional drilling in 6 Boreholes (180m)” with total revised cost of ₹103.59 Lakh as per annexure V. Total 290 meter of drilling will be done in 9 Bore holes with depth range of 30/50m (8 BHx30m each & 1 BHx50m).

Agenda 9.3.5 Preliminary Exploration (G-3) for Iron, Manganese and Associated Minerals in Tindni area (7.4 Sq. Km) Jabalpur district, Madhya Pradesh.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) MECL informed that the project was approved in the 35th EC Meeting held on 16th May 2024. The Sanction Order was issued on 10th June 2024 with timeline of 15 months (up to 09.09.2025) and approved cost was ₹ 368.85/- Lakh.
- b) Further, MECL briefed that a prominent, continuous linear hill occupies the central part of the block. The northern and southern sections of the block consist of steep hill flanks and adjacent low-lying areas. The hilltop is largely composed of Banded Hematite Quartzite/Jasper (BHQ/BHJ), while the flanks and low-lying zones are predominantly underlain by Metabasalt. The cumulative length of the BHQ ridge is about 5,300 meters, with an average width of 60 meters. The general strike of the BHQ/BHJ is nearly east–west, although in the western portion of the block, it trends northeast–southwest due to folding. The dip of the BHQ varies from 50° to subvertical, generally towards the south, and towards the southeast in the western part. BHQ is characterized by alternating bands of hematite and silica, with occasional jasper. The silica bands are generally thicker than the hematite bands. No significant iron ore enrichment has been observed along the BHQ ridges. To assess the quality of the BHQ, 17 channels were excavated, and a total of 72 samples were collected. Analytical results indicate that the Fe content is below the threshold value of 45% Fe.
- c) The TCC-II suggested that the project could be discontinued, as the iron values identified in the block are not encouraging. The committee advised the implementing agency to submit the expenditure status.

Recommendations of TCC-II:

The committee recommended the proposal for approval of EC for “pre- closure of the project due to low Iron values in the block” with the total actual expenditure of ₹ 30.44/- Lakh against approved cost of ₹ 368.85/- Lakh as per Annexure VI.

Agenda 9.3.6 Preliminary Exploration (G3) for Iron- PGE and associated minerals in Chitrangi Block (5.00 sq. km), Districts: Singrauli, State: Madhya Pradesh

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) MECL informed that the project was approved in the 36th EC Meeting held on 29th July 2024. The Sanction Order was issued on 29th August 2024 with timeline of 12 months (up to 28.08.2025) and approved cost was ₹196.12/- Lakh.
- b) MECL further informed that Geological mapping on 1:4000 scale along with collection of Channel and other samples have been done in the block. As per the presented analytical results T Fe% ranges from 26.31 to 53.89.

- c) The TCC-II opined that the project could be discontinued, as the iron values identified in the block are not encouraging. The committee advised the implementing agency to submit the expenditure status.

Recommendations of TCC-II

The committee recommended the proposal for approval of EC for “pre- closure of the project due to low Iron values in the block” with the total actual expenditure of ₹ 41.78/- Lakh against approved cost of ₹ 196.12/- Lakh as per annexure VII.

Agenda 9.3.7 Reconnaissance Survey (G4) for Glauconitic Sandstone in Mudhan-Khatiya Block (129.00 sq. km), Kachchh District, Gujarat.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) MECL informed that the project was approved by 37th EC meeting of NMET, held on 23rd September 2024, with timeline of 10 months (up to 21.08.2025) and approved cost was INR 1,61,65,384/-.
- b) Further, it was informed by MECL that they have carried out geological mapping on 1:12,500 scale along with bedrock sampling is under progress. Pitting is planned to be carried out in the identified mineral potential zones, based on the results of geological mapping and geochemical sampling. A provision of pitting of 200 cubic meter has been planned. Total 17 Nos. scout boreholes drilling on 1600m (approximately) grid spacing was proposed by MECL.
- c) The TCC-II opined that true thickness of Glauconitic Sandstone to be brought out for proper planning of Boreholes.

Recommendations of TCC-II

The committee deferred the proposal for next TCC-II meeting.

Agenda 9.3.8 Preliminary Exploration (G3) for vanadium and titanium in Dandi-Onjal-Surwada Block in Navasari and Valsad Districts, Gujarat

[Implementing Agency: M/s Geomarine Solutions Private Limited]

- a) M/s Geomarine Solutions Private Limited informed that the project was approved vide OM No. 23/451/2024-NMET/606 dated 12th March 2024 with timeline of 12 months (up to 11.03.2025) and approved cost of ₹89,78,326/-. Time extension till 11.06.2025 (3 months) was approved by 5th TCC-II
- b) The Implementing agency informed that as instructed by NMET, Draft report has already been submitted to peer reviewer on 16th May 2025. The total sand body is estimated at 12.817 million metric tonnes (MMT), of which the prime ore constitutes 10.942%, amounting to approximately 1.261 MMT. Total tonnage in +120# fraction for Fe₂O₃ is 0.2780 MMT, TiO₂ - 0.0832 MMT & V₂O₅ - 0.0020 MMT. The resource has been classified under UNFC category 333. The agency requested for timeline extension up to 15th July for submission of final geological report.
- c) The TCC-II advised M/s Geomarine Solutions Private Limited to submit the final geological report to NMET, which will, in turn, forward it to DAE, given the presence of up to 150 ppm of Monazite equivalent in the block. No further work is recommended in this block. The committee also agreed for timeline extension of 1 month up to 11th July 2025 for final GR submission.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for timeline extension of 1 month up to 11th July 2025 for submission of the final geological report after peer review. No further work is recommended in this block.

Agenda 9.3.9 Preliminary Exploration (G3) for Limestone in N.W. of Boro Lakhindong, Dima Hasao, Assam

[Implementing Agency: M/s Maheshwari Mining Pvt. Ltd. (MMPL)]

- a) M/s Maheshwari Mining Pvt. Ltd. (MMPL) informed that the block was approved in 34th EC meeting held on 12th March 2024. Sanction order was received by the MMPL on 12th March 2024 with approved cost of ₹311.98/- Lakhs & timeline of 12 months (up to 11.03.2025). The time schedule was extended till 11.05.2025 (2 months) in 6th TCC meeting-II.
- b) The implementing agency further briefed that peer review of the final geological report has been done & all the comments/suggestions of peer review has been incorporated in the GR.
- c) The agency further presented the revised cost sheet as there were few discrepancies in approved cost sheet. Initially, Complete rock analysis for limestone was given under SoC para 4.1.16, by proximate analysis for graphite (Cost 3000 /- per sample) which needs to be changed to SoC para 4.1.9: Complete rock analysis for limestone (cost 2900/- per sample). Also, the cost of bedrock sample for analysis was not given but 10% external check analysis was given twice in sanction order.
- d) The TCC-II agreed with the changes requested in revised cost sheet due to changes in SoC para & change in item of work. The committee also agreed for submission of the final geological report.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for changes in SoC para & change in item of work with revised cost of ₹311.39 Lakh against approved cost of ₹311.98 Lakh as per annexure VIII and submission of the final geological report.

Agenda 9.3.10 Reconnaissance Survey (G4) for Graphite in Ranibandh Area, Bankura, West Bengal

[Implementing Agency: M/s Maheshwari Mining Pvt. Ltd. (MMPL)]

- a) M/s Maheshwari Mining Pvt. Ltd. (MMPL) informed that the block was approved in 34th EC meeting held on 12th March 2024. Sanction order was received by the MMPL on 12th March 2024 with approved cost ₹143.36/- Lakhs and timeline of 10 months (up to 11.01.2025). The time schedule was extended till 11.04.2025 (3 months) in 4th TCC meeting-II. It was further extended to 10.07.2025 (3 months) in 42nd EC meeting.
- b) MMPL proposed changes in quantum of drilling meterage from 500m to 450m and increase in pitting/trenching from 100 cu. m to 139.1 cu. m. & Change in IP. Induced Polarization (I.P) cum Resistivity S.P and Magnetic form 30 L km to 35 L km. respectively, there are modifications in quantum of laboratory studies.
- c) The TCC-II agreed for the proposed changes in quantum of work.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for changes in quantum of drilling, pitting/trenching, Ground Geophysical Survey and respective changes in quantum of laboratory studies with revised cost of ₹136.32 Lakh against approved cost of ₹143.35 Lakh as per annexure IX.

Agenda 9.3.11 Reconnaissance Survey (G4) for Graphite and associated Minerals around Sonaghati, Amdol, Jharegaon and Bhayawari, District Betul, Madhya Pradesh [Implementing Agency: M/s GeoExpOre Private Limited]

- a) M/s GeoExpOre Private Limited informed that the project was approved in the 34th EC Meeting held. The Sanction Order was issued on 12th March 2024 with timeline of 12 months up to 11.03.2025 and approved cost of ₹ **111.47** Lakh. The time schedule was extended till 11.06.2025 (3 months) in 6th TCC meeting-II.
- b) The implementing agency briefed about the progress of the project. Geological mapping on 1:4000 scale of 7.34 sq. km. area & sampling has been completed in this project. Geophysical Exploration – SP Survey and chemical analysis are in progress. The agency also requested for timeline extension of 6 months for completion of the project.
- c) The TCC-II advised Geophysical Exploration – SP Survey in 5 Lkm. Timeline extension of 2 months up to 11.08.2025 was also agreed by the committee.

Recommendations of TCC-II

The committee agreed for Geophysical Exploration – SP Survey in 5 L km & timeline extension of 2 months up to 11.08.2025.

Agenda 9.3.12 Preliminary Exploration (G3) for Limestone in Lodhva Block, Gir Somnath District, Gujarat [Implementing Agency: CGM Gujarat]

- a) The project was approved in the 37th EC Meeting held on 23.09.2024. The Sanction Order was issued on 22nd October 2024 with timeline of 8 months up to 21.06.2025 and approved cost of ₹ 46.64/- Lakh.
- b) CGM Gujarat briefed about the progress of the work. So Far, Topographic Survey, Geological Mapping and Bedrock/Grab Sampling collection & its analysis have been Completed. Drilling, Drilled Borehole sample preparation and analysis, Geological report preparation & Peer review of final GR is yet to be completed. The agency requested for timeline extension up to December 2025 citing various reasons.
- c) The TCC-II suggested CGM Gujarat to submit the requisition of timeline extension to NMET with proper justifications for the delay in project work.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for timeline extension of 06 months up to 31.12.2025.

Agenda 9.3.13 Preliminary Exploration (G3) for Limestone in Matana Block, Gir Somnath District, Gujarat

[Implementing Agency: CGM Gujarat]

- a) The project was approved in the 37^h EC Meeting held on 23.09.2024. The Sanction Order was issued on 22nd October 2024 with timeline of 6 months up to 21.04.2025 and approved cost of ₹ 57.47/- Lakh.
- b) CGM Gujarat briefed about the progress of the work. So Far, Topographic Survey, Geological Mapping and Bedrock/Grab Sampling collection & its analysis have been Completed. Drilling, Drilled Borehole sample preparation and analysis, Geological report preparation & Peer review of final GR is yet to be completed. The agency requested for timeline extension up to December 2025 citing various reasons.
- c) The TCC-II suggested CGM Gujarat to submit the requisition of timeline extension to NMET with proper justifications for the delay in project work.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for timeline extension of 08 months up to 31.12.2025.

Agenda 9.3.14 Preliminary Exploration (G3) for Limestone in Simar Block, Gir Somnath District, Gujarat

[Implementing Agency: CGM Gujarat]

- a) The project was approved in the 37^h EC Meeting held on 23.09.2024. The Sanction Order was issued on 22nd October 2024 with timeline of 6 months up to 21.04.2025 and approved cost of ₹ 29.52/- Lakh.
- b) CGM Gujarat briefed about the progress of the work. So Far, Topographic Survey, Geological Mapping and Bedrock/Grab Sampling collection & its analysis have been Completed. Drilling, Drilled Borehole sample preparation and analysis, Geological report preparation & Peer review of final GR is yet to be completed. The agency requested for timeline extension up to December 2025 citing various reasons.
- c) The TCC-II suggested CGM Gujarat to submit the requisition of timeline extension to NMET with proper justifications for the delay in project work.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for timeline extension of 08 months up to 31.12.2025.

Agenda 9.3.15 Detailed Exploration (G3) for Limestone in Bolas Block, Gir Somnath District, Gujarat

[Implementing Agency: CGM Gujarat]

- a) The project was approved in the 37^h EC Meeting held on 23.09.2024. The Sanction Order was issued on 22nd October 2024 with timeline of 6 months up to 21.04.2025 and approved cost of ₹ 39.97/- Lakh.



- b) CGM Gujarat briefed about the progress of the work. So Far, Topographic Survey, Geological Mapping and Bedrock/Grab Sampling collection & its analysis have been Completed. Drilling, Drilled Borehole sample preparation and analysis, Geological report preparation & Peer review of final GR is yet to be completed. The agency requested for timeline extension up to December 2025 citing various reasons.
- c) The TCC-II suggested CGM Gujarat to submit the requisition of timeline extension to NMET with proper justifications for the delay in project work.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for timeline extension of 08 months up to 31.12.2025.

Additional Agenda

9.3 Review of Ongoing Projects/ Completed Projects & Timeline Extension

Agenda 9.3.16 Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Reldi Moti area Kachchh District, Gujarat

[Implementing Agency: M/s Critical Mineral Trackers]

- a) The project was approved in the 39th EC Meeting held on 24.01.2025. The Sanction Order was issued on 10.02.2025 with timeline of 10 months up to 09.12.2025 and approved cost of ₹ 54.94/- Lakh.
- b) M/s Critical Mineral Trackers briefed about the progress of work in the project. Geological mapping in 1:12,500 scale of 7.95 sq. km area & pitting/trenching have been completed in this project. The agency also requested change from outsourced drilling to inhouse drilling & approval for respective changes in the cost of the project.
- c) The TCC-II advised the agency to complete the project as per the given timeline. The committee also agreed for the change from outsourced drilling to inhouse drilling in the project.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for the change from outsourced drilling to in-house drilling in the project with revised cost of ₹71.54 Lakh against approved cost of ₹54.94 Lakh as per annexure X.

Agenda 9.3.17 Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Lakhond area, Kachchh District, Gujarat

[Implementing Agency: M/s Critical Mineral Trackers]

- a) The project was approved in the 39th EC Meeting held on 24.01.2025. The Sanction Order was issued on 10.02.2025 with timeline of 10 months up to 09.12.2025 and approved cost of ₹ 60.01/- Lakh.
- b) M/s Critical Mineral Trackers briefed about the progress of work in the project. The agency also requested change from outsourced drilling to inhouse drilling & approval for respective changes in the cost of the project. Block boundary points were also changed from 4 to 6 numbers.

- c) The TCC-II advised the agency to complete the project as per the given timeline. The committee also agreed for the change from outsourced drilling to inhouse drilling & change in block boundary points in the project.

Recommendations of TCC-II

The committee recommends the proposal for approval of EC for the change from outsourced drilling to in-house drilling in the project with revised cost of ₹68.76 Lakh against approved cost of ₹60.01 Lakh as per annexure XI.

**Agenda 9.3.18 Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Nadapa area Kachchh District, Gujarat
[Implementing Agency: M/s Critical Mineral Trackers]**

- a) The project was approved in the 39th EC Meeting held on 24.01.2025. The Sanction Order was issued on 10.02.2025 with timeline of 10 months up to 09.12.2025 and approved cost of ₹ 54.0/- Lakh.
- b) M/s Critical Mineral Trackers briefed about the progress of work in the project and stated that the REE values obtained from chemical analysis are not so encouraging.
- c) The TCC-II advised the agency to complete the project as per the given timeline.

Recommendations of TCC-II

The committee advised the agency to complete the project as per the given timeline.

Agenda 9.4: Cost Evaluation of New Project proposals

The recommendations of the TCC-II of NMET for cost evaluation of new proposals are included in the recommendation of respective agenda.

Agenda 9.5: Project Evaluation for In-Principle Approval

**Agenda 9.5.1 Reconnaissance survey (G4) for REE and associated minerals in Pastar Block, Alirajpur District, Madhya Pradesh
[Implementing Agency: M/s Critical Mineral Trackers]**

- a) The proposed exploration block of 94.00 sq. km. area, falls in Survey of India Toposheet number 46J/7 in parts of Alirajpur District, Madhya Pradesh.
- b) M/s Critical Mineral Trackers informed that the block has been proposed on the basis of study of GSI reports in and around the proposed area.
- c) As per the comments received from GSI, the proposed block is overlapping (≈ 50%) with the already explored block of GSI in G4 stage of exploration. Also, previous work of GSI does not indicate any potential in the proposed block.
- d) The TCC-II opined that the proposed block is not promising for REE exploration as per the recommendations of GSI's report.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the proposal.

Agenda 9.5.2 Reconnaissance Survey (G4) for PGE and REE for, Rongpi Block, East Karbi Anglong, Assam

[Implementing Agency: M/s Eartnenviro Lab Private Limited]

- a) The proposed exploration block of 121.00 sq. km area, falls in Survey of India Toposheet number 83F/8 & 83F/12 in parts of East Karbi Anglong, Assam.
- b) M/s Eartnenviro Lab Private Limited informed that the block has been proposed on the basis of study of Mineral Map and Lithology Map of Assam. Based on this study Porphyritic Granite may be the host rock for PGE and REE.
- c) As per the comments received from GSI, the proposed block is overlapping (≈ 4 sq. km.) with the already explored block of GSI in G4 stage of exploration. Also, as per the comments received from AMD, there is ≈ 6 sq. km. overlap of the proposed block with exploration block of AMD.
- d) The TCC-II opined that geochemical maps of the area to be shown for the proposed block for better representation. Apart from consultation of GSI reports, field visit & few samplings by the agency itself, may be done for identification of blocks for G4 stage exploration. Fresh proposal may be submitted to NMET for In-Principle Approval, excluding the overlapping areas which are already explored.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the proposal.

Agenda 9.5.3 Reconnaissance Survey (G4) for Limestone, Sailam Block, Aizawl district, Mizoram

[Implementing Agency: M/s Eartnenviro Lab Private Limited]

- a) The proposed exploration block of 53.00 sq. km area, falls in Survey of India Toposheet number 84A/15 in parts of Aizawl district, Mizoram.
- b) M/s Eartnenviro Lab Private Limited informed that the block has been proposed on the basis of presence of sandstone, shale with fossiliferous Limestone in the area. Eartnenviro Lab Pvt. Ltd. have also observed the Limestone exposure in the area. Many Limestone Mines are being operated in the nearby Assam and Meghalaya State.
- c) There are no negative comments from GSI & MECL. Comments from State Government were pending on the day of this meeting.
- d) The TCC-II opined that the comments from State Government is essential for exploration of limestone in Mizoram.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the proposal.

Agenda 9.5.4 Reconnaissance survey (G4) for wollastonite and associated minerals in Kotra block of Ajmer District, Rajasthan



[Implementing Agency: M/s Envirogreen Consultants (India) Private Limited]

- a) The proposed exploration block of 14.00 sq. km. area, falls in Survey of India Toposheet number 45J/4 & 45J/8 in parts of Ajmer District, Rajasthan.
- b) M/s Envirogreen Consultants (India) Private Limited informed that some existing mines of Wollastonite mineral are running in and surrounding area.
- c) As per the comments received from GSI, there is a complete overlap of the proposed block with already explored G4 block of GSI in FS 2021-22.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the proposal.

Agenda 9.5.5 Reconnaissance survey (G4) for wollastonite and associated minerals in Kalesara block of Ajmer District, Rajasthan

[Implementing Agency: M/s Envirogreen Consultants (India) Private Limited]

- a) The proposed exploration block of 90.00 sq. km. area, falls in Survey of India Toposheet number 45J/4, 45J/8 in parts of Ajmer District, Rajasthan.
- b) M/s Envirogreen Consultants (India) Private Limited informed that there are presence of exposure of minerals and running Wollastonite mines in and surrounding areas.
- c) As per the comments received from GSI, there is an overlap ($\approx 50\%$) of the proposed block with GSI's G4 exploration block.
- d) Comments from DMG Rajasthan are still awaited for the proposed exploration block.
- e) The TCC-II opined that fresh proposal may be submitted to NMET for In-Principle Approval, excluding the overlapping areas which are already explored. Also, consent from DMG Rajasthan is required.

Recommendation of TCC-II

The committee does not agree for in-principle-approval of the proposal.

Agenda 9.5.6 Reconnaissance survey (G4) for wollastonite and associated minerals in Pratappura Bhinai block of Ajmer District, Rajasthan

[Implementing Agency: M/s Envirogreen Consultants (India) Private Limited]

- a) The proposed exploration block of 40.00 sq. km area, falls in Survey of India Toposheet number 45J/12 in parts of Ajmer District, Rajasthan.
- b) M/s Envirogreen Consultants (India) Private Limited informed that there are exposure of minerals and on-going existing mines for mineral Wollastonite in and surrounding areas.

Comment from DMG Rajasthan is still pending for the proposed exploration block.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the proposal.

Agenda 9.5.7 Reconnaissance survey (G4) for wollastonite and associated minerals in Roopnagar block of Ajmer District, Rajasthan

[Implementing Agency: M/s Envirogreen Consultants (India) Private Limited]

- a) The proposed exploration block of 30.00 sq. km area, falls in Survey of India Toposheet number 45J/4, 45J/8 in parts of Ajmer District, Rajasthan.
- b) M/s Envirogreen Consultants (India) Private Limited informed that there are exposure of minerals and on-going existing mines for mineral Wollastonite in and surrounding areas.
- c) Comments from DMG Rajasthan are still pending for the proposed exploration block.

Recommendation of TCC-II:

The committee does not agree for in-principle-approval of the proposal.

Agenda 9.5.8 Reconnaissance survey (G4) for wollastonite and associated minerals in Sardhana Dholiya block of Ajmer District, Rajasthan

[Implementing Agency: M/s Envirogreen Consultants (India) Private Limited]

- a) The proposed exploration block of 22.4 sq. km area, falls in Survey of India Toposheet number 45J/4, 45J/8 in parts of Ajmer District, Rajasthan.
- b) M/s Envirogreen Consultants (India) Private Limited informed that there are exposure of minerals and on-going existing mines for mineral Wollastonite in and surrounding areas.
- c) Comments from DMG Rajasthan are still pending for the proposed exploration block.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the proposal.

Agenda 9.5.9 Preliminary Investigation (G4) for Iron ore and associated Minerals around Lohariya and Karana wara Villages District Banswara, Rajasthan

[Implementing Agency: M/s APC Drilling & Construction Private Limited]

- a) The proposed exploration block of 3.50 sq. km area, falls in Survey of India Toposheet number 46I/1 in parts of Banswara District, Rajasthan.
- b) M/s APC Drilling & Construction Private Limited informed that During FS 2017–18, GSI carried out thematic mapping in Lohariya and Samlia (Banswara & Dungarpur), targeting Aravalli Supergroup and Mangalwar Group rocks. Surface signs of sulphide mineralization—malachite staining, limonitisation, pyrite, chalcopryrite, magnetite, and iron encrustations—were observed, with notable chalcopryrite, pyrrhotite, and fluorite near Chaturpura and Khadlai. Hematite mineralization was identified in marble near Lohariya village (~2 km × 100–150 m), with S- and Z-type minor folds and old workings. Fe₂O₃ values ranged from 60.08% to 64.01%. Cr, Ni, and Cu enrichment was noted in amphibolites; REE values were high in granite gneisses. In FS 2018–19, GSI confirmed this mineralization and delineated a 3.5 sq.km area (Lohariya–Karanawara) for iron ore exploration.
- c) As per the comments received from GSI, the area may be considered for G4 exploration work. Comments from DMG Rajasthan are still pending for the proposed exploration block.
- d) The TCC-II opined that the proposed area of 3.50 sq. km. is too small for G4 stage exploration work.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the project.

Agenda 9.5.10 Preliminary Exploration (G3) for Galena & Sphalerite in Phoponga Block, Goalpara, Assam

[Implementing Agency: M/s Novomine India Private Limited]

- a) The proposed exploration block of 2.15 sq. km area, falls in Survey of India Toposheet number 78J/12 in parts of Goalpara, Assam.
- b) M/s Novomine India Private Limited GSI identified the Phoponga Block as a promising Pb-Zn prospect based on NGCM results. Detailed 1:5000 scale mapping over 2 sq.km revealed high Zn (up to 13.17%) and Pb (up to 9.5%) values along a N60°W–S60°E shear zone. Geophysical surveys supported sulphide mineralization, and scout drilling (401.3 m in 4 holes) intersected mineralization in 3 holes. However, limited depth (~100 m) and coverage prevented resource estimation. Structurally controlled mineralization suggests deeper targets; hence, reappraisal with 1000 m of drilling (4–5 inclined boreholes) is proposed along a 1000 m strike length.
- c) As per the comments received from GSI, there is an overlap of 0.6 sq. km. area of the proposed block with GSI's exploration block.
- d) The TCC-II advised that the proposal should be modified excluding overlaps and resubmitted to NMET for In-Principle-Approval. Data from one nearby Borehole of GSI should be referred during preparation of the proposal.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the project.

Agenda 9.5.11 Reconnaissance survey (G4) of REE, RM & associated mineral in Panbari-Langpih-Umali Block in part of Seinduli pluton, West Khasi Hill District, Meghalaya & Kamrup District, Assam

[Implementing Agency: M/s Ocean Drilling and Exploration Private Limited]

- a) The proposed exploration block of 50.2 sq. km area, falls in Survey of India Toposheet number 78O/01 and 78O/02 in parts of West Khasi Hill District, Meghalaya & Kamrup District, Assam.
- b) M/s Ocean Drilling and Exploration Private Limited informed that During FS 2022–23, a G4 reconnaissance survey in the Seinduli Pluton (West Khasi Hills, Meghalaya) identified significant anomalous values of Tungsten (380–827.9 ppm), REEs (1067.8–2627.2 ppm + 172 ppm Y), and Scandium (341–585 ppm) from bedrock, soil, stream sediment, and pit samples. The mineralization is concentrated in the northern and northeastern parts of the block. Unexplored but geologically continuous extensions suggest further potential for REE, Sc, and W mineralization.
As per the comments received from GSI, there is an overlap of ≈ 6% area of the proposed block with GSI's exploration block. The TCC-II advised that the proposal should be modified excluding overlaps.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the project.

Note: For Agenda 9.5.12, 9.5.13, 9.5.14, 9.5.15 and additional agenda 9.5.18, the TCC-II, NMET, has decided that no new exploration projects for Glauconite and

Limestone will be considered at this time. Future actions will be determined based on the outcomes of previously approved projects.

Agenda 9.5.16 Preliminary Exploration (G-3) for Copper, Gold, and associated mineralization in Gudaliya-Mina-Ka-Khera block, Gudaliya- Devtalai-Belwa-Mansa belt, District Bhilwara, Rajasthan

[Implementing Agency: M/s Vardan Environet LLP]

- a) The proposed exploration block of 3.84 sq. km. area, falls in Survey of India Toposheet number 45O/3 in parts of Bhilwara District, Rajasthan.
- b) As per the comments received from GSI the proposed block has been carved out from GSI's G4 block.
- c) As per the comments from State Government (DMG, Rajasthan) the area is potential. According to the comments from Office of the Mining Engineer, Bhilwara Circle, the area falls in the Aravalli Hills.

Recommendations of TCC-II

The committee does not agree for in-principle-approval of the project.

Agenda 9.5.17 Preliminary exploration (G3) for Potash in Ramsara-Amarkot-Dalmir Khera Block, Fazilka District, Punjab

[Implementing Agency: M/s Ocean Drilling and Exploration Private Limited]

- a) The proposed exploration block of 10.30 sq. km area, falls in Survey of India Toposheet number 44J/4 in parts of Fazilka District, Punjab.
- b) M/s Ocean Drilling and Exploration Private Limited informed that GSI has done exploration for Potash in FS (2019-20 & 2020-21) in this area. During FS: 2019 20, borehole PFSBH 01 and in FS: 2020 21, borehole PFSBH 02 & borehole PFSBH 03, were drilled. Total resource of potash (K+) on the basis of analytical data of three boreholes (PFSBH 01, PFSBH 02 and PFSBH 03) is 409.32 million tonnes at 2% K+ cut off with average grade of 3.74 K ++%, total resource of potash (K ++) is 300.15 million tonnes at 3% K cut off with average grade of 4.18 K ++% and total resource of potash (K ++) on the basis of two boreholes (PFSBH 01 and PFSBH 03) is 194.58 million tonnes at 4% K cut off with average grade of 4.69 K ++% was estimated.
- c) The TCC-II advised drilling in 1600m spacing & no-core drilling for first 400m (overburden) depth. DPR to be submitted by the agency for G4 stage reconnaissance survey.

Recommendations of TCC-II

The committee agreed for in-principle-approval of the project for G4 stage reconnaissance survey.

Annexure -I

List of participants attended 9th meeting of Technical-cum-cost Committee (TCC-II) of NMET held on 29th & 30th May 2025 through video conferencing mode

S.no	Name	Designation	Email ID	Contact No	Organization
1	Shri. Pradeep Singh	Dy. Director General, GSI, Kolkata	ddg.it@gsi.gov.in	9810233957	Chairman, TCC -II
2	Shri. Sanjay Singh	Director, GSI, Western Region, Jaipur	sanjay.singh3@gsi.gov.in	9928860884	Member Secretary TCC-II
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13	Shri. P.K. Maharana	GM (Finance), NALCO, NALCO Bhawan, P/1, Nagapalli, Bhubaneswar	pmaharana@rediffmail.com	850066950 0	Member TCC-II
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68	Representative				DMG Rajasthan
69	Representative				PRB Infra Projects Private Limited
70	Representative				Ocean Drilling & Exploration Pvt. Ltd.
71	Representative				Enkay Enviro Services Pvt. Ltd.
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Estimated cost for Reconnaissance Survey (G-4) for Bauxite and associated minerals in Ratnal Area, Districts Kachchh, Gujarat
[Area- 44 sq. km; Schedule timeline- 10 months; BH-9 nos; Depth : 30m each (9 BHs), Total Drilling-270m; Review- After 4 months]

Implementing Agency: MECL

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC			
					Qty.	Amount (Rs)	
A	GEOLOGICAL WORK (1:12500 scale)						
i	Charges for one Geologist- Field	day	1.3	11,000	150	16,50,000	
ii	Charges for one Geologist per- HQ	day	1.3	9,000	60	5,40,000	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	541	300	1,62,300	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Sampling party days-1 Samplers Labour charge not included	day	1.5.2	5,100	99	5,04,900	
v	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	541	396	2,14,236	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total- A					30,71,436	
B	PITTING AND TRENCHING						
i	Pitting	Cu m	2.1.2	3800	100	3,80,000	
	Sub Total- B					3,80,000	
C	LABORATORY STUDIES						
1	Chemical Analysis						

i	Primary & Check samples for Bauxite BRS/Chip/Channel/Trench/BH samples)						
	a. Primary Samples for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	360	15,12,000	BH-180, BRS-80, Pit-100
	b. For each additional trace elements viz. V, Sc & Ga	Nos	4.1.15b	1,263	360	4,54,680	BH-180, BRS-80, Pit-100
	c. External (10%) Check samples for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	36	1,51,200	
	d. External (10%) Check samples for each additional trace elements viz. V, Sc & Ga	Nos	4.1.15b	1,263	36	45,468	
2	Physical, Petrological, Mineralogical Studies						
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	
ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	
iii	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	
v	Digital Photographs	Nos	4.3.7	280	10	2,800	
vi	X-RD studies for mineral identification	Nos	4.5.1	4,000	10	40,000	
vii	ICP-AES/ICPMS (sequential technique) for 34 elements i.e. 16 other elements viz. Li, Ga, In, Be, Ge, Mo, Ni, Cr, Ta, W, Ba, Co, Rb, Sr, Zr, Nb ;16 REE viz. La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sc, Y; 02 Actinides viz. U, Th.	Nos	4.1.14	7,731	30	2,31,930	
viii	Bulk density determination	Nos	4.10	3540	5	17,700	
ix	Combined determination of Trihydrate Alumina (THA-140°C), Monohydrate Alumina (MHA-240°C) & Reactive Silica	Nos	4.1.17a	6700	10	67,000	

	Sub Total- C					26,46,438	
D	DRILLING						
i	Drilling upto 300m (Soft Rock) (1 rigs)	m	2.2.1.1b	7,168	270	19,35,360	Phase-II (As per MOC Rates)
ii	Land / Crop Compensation	per BH	5.6	20,000	9	1,80,000	
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	9	18,000	
iv	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	2,580	92,880	Certification in this regard is required to be provided (As per actuals)
v	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	3	1,50,000	
vi	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	
vii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	
viii	Approach Road Making	Km	2.2.10a	22,020	3	66,060	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed for max. 4 km.
x	Drill core preservation: One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	190	3,02,100	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
	Sub Total- D					32,44,400	
E	Total A to D					93,42,274	
F	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 50 lakhs but less than Rs.150 lakhs - A minimum of Rs. 2.5 lakhs or 5% of the value of work whichever is more		4,67,114	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.

G	Peer review Charges		As per EC decision			30,000	
H	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is lower		1,86,845	EA has to submit the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
I	Total Estimated Cost without GST					1,00,26,233	
J	Provision for GST (18% of I)					18,04,722	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					1,18,30,955	
	or Say Rs. In Lakhs					118.31	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						




Annexure II B													
Time Schedule/ Action Plan for Reconnaissance Survey (G-4) for Bauxite and associated minerals in Ratnal Area, Districts Kachchh, Gujarat													
S. No.	Particulars	Months/ Days	1	2	3	4	Review	5	6	7	8	9	10
1	Camp Setting	months											
2	Geological Mapping & BR sampling	months											
4	Pitting/Trenching	cu.m											
5	Drilling (1 rig)	m											
6	Geologist days	days											
7	Sampling days, BRS, Pit & Core Sampling	days											
8	Camp winding	months											
9	Laboratory Studies	months											
10	Geologist days, HQ	days											
11	Report Writing with Peer Review	months											




Annexure III A

Estimated cost for Reconnaissance Survey (G-4) for Bauxite and associated minerals in Kukma Area, District Kachchh, Gujarat
[Area- 13.32 sq. km; Schedule timeline- 10 months; BH-5 nos; Drilling-150m (Depth 30m each); Review- After 4 months]

Implementing Agency: MECL

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK (1:12500 scale)						
i	Charges for one Geologist- Field	day	1.3	11,000	100	11,00,000	
ii	Charges for one Geologist per- HQ	day	1.3	9,000	60	5,40,000	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	541	200	1,08,200	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Sampling party days-1 Samplers Labour charge not included	day	1.5.2	5,100	51	2,60,100	
v	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	541	204	1,10,364	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total- A					21,18,664	
B	PITTING AND TRENCHING						
i	Pitting	Cu m	2.1.2	3800	50	1,90,000	
	Sub Total- B					1,90,000	
C	LABORATORY STUDIES						

1	Chemical Analysis						
i	Primary & Check samples for Bauxite BRS/Chip/Channel/Trench/BH samples)						
	a. Primary Samples for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	185	7,77,000	BH-100, BRS-35, Pit-50
	b. For each additional trace elements viz. V, Sc & Ga	Nos	4.1.15b	1,263	185	2,33,655	BH-100, BRS-35, Pit-50
	c. External (10%) Check samples for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	19	79,800	
	d. External (10%) Check samples for each additional trace elements viz. V, Sc & Ga	Nos	4.1.15b	1,263	19	23,997	
2	Physical, Petrological, Mineralogical Studies						
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	
ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	
iii	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	
v	Digital Photographs	Nos	4.3.7	280	10	2,800	
vi	X-RD studies for mineral identification	Nos	4.5.1	4,000	10	40,000	
vii	ICP-AES/ICPMS (sequential technique) for 34 elements i.e. 16 other elements viz. Li, Ga, In, Be, Ge, Mo, Ni, Cr, Ta, W, Ba, Co, Rb, Sr, Zr, Nb ;16 REE viz. La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sc, Y; 02 Actinides viz. U, Th.	Nos	4.1.14	7,731	20	1,54,620	
viii	Bulk density determination	Nos	4.10	3540	5	17,700	
ix	Combined determination of Trihydrate Alumina (THA-140°C), Monohydrate Alumina (MHA-240°C) & Reactive Silica	Nos	4.1.17a	6700	10	67,000	

	Sub Total- C					15,20,232	
D	DRILLING						
i	Drilling upto 300m (Soft Rock) (1 rigs)	m	2.2.1.1b	7,168	150	10,75,200	Phase-II (As per MOC rates)
ii	Land / Crop Compensation	per BH	5.6	20,000	5	1,00,000	
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	5	10,000	
iv	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	2,580	92,880	Certification in this regard is required to be provided (As per actuals)
v	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	2	1,00,000	
vi	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	
vii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	
viii	Approach Road Making	Km	2.2.10a	22,020	3	66,060	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed for max. 4 km.
x	Drill core preservation: One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	110	1,74,900	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
	Sub Total- D					21,19,040	
E	Total A to D					59,47,936	
F	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 50 lakhs but less than Rs.150 lakhs - A minimum of Rs. 2.5 lakhs or 5% of the value of work whichever is more		2,97,397	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
G	Peer review Charges		As per EC decision			30,000	

H	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is lower		1,18,959	EA has to submit the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
I	Total Estimated Cost without GST					63,94,292	
J	Provision for GST (18% of I)					11,50,972	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					75,45,264	
	or Say Rs. In Lakhs					75.45	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						




Annexure III B													
Time Schedule/ Action Plan for Reconnaissance Survey (G-4) for Bauxite and associated minerals in Kukma Area, District Kachchh, Gujarat													
S. No.	Particulars	Months/ Days	1	2	3	4	Review	5	6	7	8	9	10
1	Camp Setting	months											
2	Geological Mapping & BR sampling	months											
4	Pitting/Trenching	cu.m											
5	Drilling (1 rig)	m											
6	Geologist days	days											
7	Sampling days, BRS, Pit & Core Sampling	days											
8	Camp winding	months											
9	Laboratory Studies	months											
10	Geologist days, HQ	days											
11	Report Writing with Peer Review	months											




Estimated Cost for Preliminary Exploration (G3) for limestone in Vadekhan Block, Rajkot district, Gujarat
Timeline: 10 months

6.19 Sqkm (BH-10 nos, depth -10 m each, drilling-100 m {as per the geological profile})

Implementing Agency: M/s PRB Infra Projects Private Limited

Item	Item of Work	Item	SOR Sr No & Rates		Estimated Cost		Remarks
Sr No.	Item	Unit	Sr.No.	Rates	Qty.	Amount(Rs)	
A	Survey work						
1	DGPS Survey BH fixation and RL determination (10 BHP & 4 BP)	Per Point	1.6.2	19,200	14	268800.00	
2.	Topographic Survey with 4m contour interval & Geological Mapping1:4000 scale					0.00	
	A) Charges of 1 Surveyor for Geological mapping & Topogaphic survey	per day	1.6.1a	8,300	15	124500.00	
	B) 4 Labours for survey work;	day	5.7	541	60	32460.00	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	SubTotal- A					425760.00	
B	GEOLOGICALWORK (Mapping1:4000 scale)						
i	Charges for one Geologist-Field	day	1.2	11,000	120	1320000.00	
ii	Charges for one Geologist per-HQ	day	1.2	9,000	35	315000.00	
iii	2 labours / party	day	5.7	541	300	162300.00	As per central labour commission
iv	Sampling-1Samplers	day	1.5.2	5,100	23	117300.00	

v	Sampling 4 labours/party	day	5.7	541	92	49772.00	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	SubTotal- B					1964372.00	
	Surface sampling						
i.	Pitting (Excavation of pit between 2.0m to 5.0m depth)		2.1.3	5330	15	79950.00	
C	LABORATORY STUDIES						
1	Chemical Analysis						
i	A. Chemical Analysis; Primary samples for Major oxides	Nos	4.1.15a	4,200	155	651000.00	BRS : 40, Pit : 15, Core samples : 100
	External check samples (10%)	Nos	4.1.15a	4,200	16	67200	
ii	Composite Samples For 12 radicals (CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , SO ₃ , P ₂ O ₅ , LOI, MnO ₂ , K ₂ O, Na ₂ O and Cl.) (Per BH 1 Sample)	Nos	4.1.1	8,157	15	122355.00	10 samples for BH and 5 for pits
2	Physical, Petrological, Mineralogical Studies					0.00	
i	XRD studies for identification of minerals (Random)	Nos	4.5.1	4000	0	0.00	

ii	ICP-OES/ICP-MS(sequential technique) Sample packagee for 34elements i.e.16 other elements viz. Li,Ga,In,Be,Ge,Mo,Cr,Ta,W,Ba,Co,Rb,Sr,Zr, Nb,Ni,: 18 REE viz. La,Ce,Pr,Nd,Sm,Eu, Gd,Tb,Dy,Ho,Er,Tm, Yb,Lu,Sc,Y:02 Actinides viz.U,Th. (Per BH 1 Sample)	Nos	4.1.14	7731	15	115965.00	Per BH 1 limestone sample and 5 smaples other lithologies.
vi	Digital Photographs	Nos	4.3.7	280	10	2800.00	
vi	Preparation of thin sections	Nos	4.3.1	2,353	10	23530.00	
vii	Complete petrographic report	Nos	4.3.4	4,232	10	42320.00	
3	Geotechnical Laboratory					0.00	
i	Bulk density	Nos	4.10	3540	5	17700.00	
	SubTotal- C					1042870.00	
D	DRILLING (In-house drilling) - To be decided after review						
i	Core Drilling (BH 10 Nos) x Each 10Mtr depth =Total 100 Mtrs	m	2.2.1.1b	7,168	100	716800.00	As per MOC rates
ii	Land/Crop Compensation (As Per Requirement)	Per BH	5.6	20,000	10	200000.00	
iii	Construction of concrete Pillar (10 BHP + 4 BP)	Per BH	2.2.7a	2,000	14	28000.00	
iv	Transportation of Drill Rig & associated (1Rig 2064 km.Up & Dn)	Km	2.2.8	36	2,064	74304.00	As per actuals
v	Monthly Accommodation Charges for drilling Camp	month	2.2.9	50,000	3	150000.00	
vi	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	250000.00	
vii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	250000.00	
viii	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	5	110100.00	As per actuals

ix	Core Preservation.	m	5.3	1,590	75	119250.00	
	SubTotal- D					1898454.00	
	TotalA to D					5331456.00	
G	Geological Report Preparation (A minimum of Rs. 2.5 lakhs or 5% of the total value of work whichever is more) - 5 reports	1No.	5.2			266572.80	
H	Peer review Charges	1No.		30000		30000.00	
I	Preparation of Exploration Proposal (2% of the Cost or Rs.5 Lakhs whichever is lower)	1No.	5.1			106629.12	
J	Total Estimated Cost without GST					5814607.92	
K	Provision for GST (18%)					1046629.43	
L	Total Estimated Cost with GST					6861237.35	
	Total Estimated Cost with GST (in lakhs)					68.61	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

Time Schedule / Action Plan for Preliminary Exploration (G3) for limestone in Vadekhan Block, Rajkot district, Gujarat

S. No.	Particulars	Months/ Days	1	2	3	4	Review	5	6	7	8	9	10
1	Camp Setting	months											
2	Geological Mapping & BR sampling	months											
4	Pitting/Trenching	cu.m											
5	Drilling (1 rig)	m											
6	Geologist days	days											
7	Sampling days, BRS, Pit & Core Sampling	days											
8	Camp winding	months											
9	Laboratory Studies	months											
10	Geologist days, HQ	days											
11	Report Writing with Peer Review	months											




Revised Cost of Estimated Cost for Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Area in Katni District of Madhya Pradesh,
Area 22.52 sq. km, No.of BH: 09, Borehole depth range- 30/50 m; Schedule timeline- 10 months Review: After 3 Months

Implementing Agency: Engeotech Consultants

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Original Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	Qty.	Total Amount (Rs)	
A	Geological Mapping (1:12500) & Other Geological Work								
1	Charges for Geologist man days for LSM and & sampling	day	1.2.b	11,000	90	9,90,000	90	9,90,000	2 geologists x 45 days each
2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
3	Charges for Geologist per day (HQ) for data interpretation and Map preparation	day	1.2.a	9,000	60	5,40,000	60	5,40,000	
	Sub Total- A					16,24,680		16,24,680	
B	Survey work								
1	Charges of Surveyor for survey layout work & Block boundary demarcation	per day	1.6.1a	8,300	45	3,73,500	45	3,73,500	2 surveyors x 45 days each

2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
3	DGPS Survey for boundary pillar, BH fixation & RL determination	Per Point	1.6.2	19,200	16	3,07,200	22	4,22,400	13 Boundary Pillars & 09 BH
	Sub-Total B					7,75,380		8,90,580	
C	Mineral Investigation								
1	Excavation of Pit upto 2.0 m depth	per cu.m.	2.1.2	3,800	18	68,400	18	68,400	3 pits (1x1x6)
	Sub-Total C					68,400		68,400	
D	DRILLING								
1	Drilling up to 300m (Soft Rock)	m	2.2.1.1a	7,168	110	7,88,480	290	20,78,720	8 BHx30M each & 1 BHx50M
2	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	3	6,000	9	18,000	
3	Transportation of Drill Rig & Truck associated per drill (1 rigs)	Km	2.2.8	36	300	10,800	300	10,800	As per actuals
4	Monthly Accommodation Charges for drilling Camp	month	2.2.9	50,000	2	1,00,000	2	1,00,000	
5	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	2,50,000	
6	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	1	2,50,000	
7	Road Making (Flat Terrain)	Km	2.2.10a	22,020	1	22,020	1	22,020	As per actuals
8	Drill Core Preservation	per m	5.3	1,590	110	1,74,900	150	2,38,500	
9	Sample Processing	per day	1.5.2	5,100	19	96,900	33	1,68,300	To be discussed

10	Labours Charges; Base rate	day	5.7	526	76	39,976	132	69,432	526*76+ 541*40=61,616 New rate will be applicable only on the difference in samples (earlier sanctioned samples will be charged on previous rates)
11	Land/Crop Compensation	per BH	5.6	20,000	3	60,000	9	1,80,000	
	Sub Total D					17,99,076		33,85,772	
E	Borehole Geophysical Logging & Sampling								
1	Logging & Sampling	per day	1.2.b	11,000	-		-	-	
	Sub Total E							-	
F	LABORATORY STUDIES								
	Chemical Analysis								
1	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)	Nos	4.1.1	8,157	150	12,23,550	240	19,57,680	200 drilling and 40 BRS sample
	External Check samples (10 percent)	Nos	4.1.1	8,157			24	1,95,768	
	<u>Physical & Petrological Studies</u>								
2	Preparation of thin section	Nos	4.3.1	2,353	5	11,765	5	11,765	
3	Study of thin section	Nos	4.3.4	4,232	5	21,160	5	21,160	
4	Digital Photographs	Nos	4.3.7	280	10	2,800	10	2,800	
5	Bulk Density	Nos	4.10	3,540	5	17,700	5	17,700	
	Sub Total F					12,76,975		22,06,873	
G	Total A to F					55,44,511		81,76,305	

H	Geological Report Preparation	5 Hard copies with a soft copy	5.2	Exploration cost exceeding 50 lakh but less than 150 lakh: A Minimum of ₹2.5 lakh or 5% of the work whichever is more		2,50,000		4,08,815	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
I	Peer review Charges		As per EC decision			30,000		30,000	
J	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is less		1,20,000		1,63,526	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
K	Total Estimated Cost without GST					59,44,511		87,78,646	
L	Provision for GST (18% of J)					10,70,012		15,80,156	GST will be reimburse as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					70,14,523		1,03,58,803	
				or Say Rs. In Lakhs		70.15		103.59	
Note:									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.								

3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.




**Revised Cost of Estimated cost for Preliminary Exploration (G-3) for Iron, Manganese and associated minerals in Tindni Block, Districts:
Jabalpur, State: Madhya Pradesh.**

[Block area- 3.77 sq. km; Schedule timeline- 15 months; Review after 6 months & 12 months; 13 BHs, 1500m drilling]

Implementing Agency: MECL

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Approved Cost of the Proposal		Achieved/To be Achieved		Remarks
			SoC-Item -SI No.	Rates as per SoC					
					Qty.	Amount (Rs)	Qty	Amount	
A	GEOLOGICAL WORK (1:4000 scale) & Topographical survey								
i	Charges for one Geologist-Field	day	1.2	11,000	180	19,80,000	74	8,14,000	
ii	Charges for one Geologist per-HQ	day	1.2	9,000	30	2,70,000	30	2,70,000	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	522	360	1,87,920	148	77,848	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Core Sampling -1 Samplers Labour charge not included	day	1.5.2	5,100	103	5,25,300	9	45,900	

v	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	522	412	2,15,064	36	18,936	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
vi	Survey Party Days for topographical contour survey, block boundary and borehole points fixation	day	1.6. 1a	8,300	40	3,32,000	40	3,32,000	
vii	4 labours for surveyor	day	5.7	522	160	83,520	160	84,160	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total- A					35,93,804		16,42,844	
B	PITTING AND TRENCHING								
i	Trenching	Cu m	2.1.1	3330	-	-	-	-	
	Sub Total- B					-	-	-	
C	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples for Iron-Manganese BRS/Chip/Channel/Trench/BH samples)								
	a. Primary Samples for Total Fe, Total Mn, Al ₂ O ₃ , P ₂ O ₅ , CaO, SiO ₂ and Acid insolubles	Nos	4.1.15a	4,200	750	31,50,000	72	3,02,400	Channel Samples-250, BH Samples-500

	b.External (10%) Check samples for Total Fe, Total Mn, Al ₂ O ₃ , P ₂ O ₅ , CaO, SiO ₂ and Acid insolubles	Nos	4.1.15a	4,200	75	3,15,000	7	29,400	
ii	Primary & Check samples for gold (BRS/Channel/Core)								
	a. Primary Samples for Au by Fire Assay	Nos	4.1.5a	2,380	-	-			
	b. External (10%) Check samples for Au by Fire Assay	Nos	4.1.5a	2,380	-	-			
2	Physical, Petrological, Mineralogical Studies								
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	3	7,059	
ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	3	12,696	
iii	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	2	3,098	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	2	8,464	
v	Digital Photographs	Nos	4.3.7	280	10	2,800	5	1,400	
vi	Bulk Density	Nos	4.10	3,540	5	17,700	-	0	
	Sub Total- C					36,09,160		3,64,517	
D	DRILLING								
i	Drilling upto 300m (Very Hard Rock) (2 rigs)	m	2.2.1.5a	12,650	1,500	1,89,75,000	-	0	
iii	Land / Crop Compensation	per BH	5.6	20,000	-	-	-	0	Amount will be reimbursed as per actuals or max. Rs. 20000 per BH with certification from local authorities
iv	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	13	26,000	-	0	

v	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	1,200	43,200	-	0	Certification in this regard is required to be provided
vi	Monthly Accommodation Charges for drilling Camp	month	2.2.9	50,000	4	2,00,000	-	0	
vii	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	2	5,00,000		0	
viii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	2	5,00,000	-	0	
ix	Approach Road Making (Hilly Terrain)	Km	2.2.10b	32,200	10	3,22,000	-	0	
x	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes by DGPS & Block boundary points	Nos	1.6.2	19,200	33	6,33,600	18	3,45,600	13 Boreholes+20 Block boundary points
xi	One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	900	14,31,000	-	0	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
	Sub Total- D					2,26,30,800		3,45,600	
E	Total A to D					2,98,33,764		23,52,961	
F	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 150 lakhs but less than Rs. 300 lakhs - A minimum of Rs. 7.5		8,95,013		1,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.

				lakhs or 3% of the value of work whichever is more					
G	Peer review Charges		As per EC decision			30,000		30,000	
H	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is lower		5,00,000		47,059	EA has to submit the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
I	Total Estimated Cost without GST					3,12,58,777		25,80,020	
J	Provision for GST (18% of I)					56,26,580		4,64,404	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					3,68,85,357		30,44,424	
	or Say Rs. In Lakhs					368.85		30.44	
Note:									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.								
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.								
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.								




5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.



Annexure VII

Revised Cost of Estimated cost for Preliminary Exploration (G-3) for Iron- PGE and associated minerals in Chitrangi Block, Districts: Singrauli, State: Madhya Pradesh.

[Block area- 21.00 sq. km; Schedule timeline- 14 months; BH-10 nos; Drilling- 800m; Review- 6 months]

Implementing Agency: MECL

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Approved Cost of the Proposal		Achieved/To be achieved		Remarks
			SoC-Item -SI No.	Rates as per SoC					
					Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK (1:4000 scale) & TOPOGRAPHICAL SURVEY								
i	Charges for one Geologist-Field	day	1.2	11,000	150	16,50,000	120	13,20,000	
ii	Charges for one Geologist per-HQ	day	1.2	9,000	40	3,60,000	40	3,60,000	
iii	2 labours/ party (Rs 504/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	300	1,56,600	240	1,26,240	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Sampling party days-1 Samplers Labour charge not included	day	1.5.2	5,100	62	3,16,200	16	81,600	
v	4 labours/ party (Rs 504/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	248	1,29,456	64	33,664	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or




									respective State Govt. whichever is higher
vi	Survey Party Days for topographical contour survey, block boundary and borehole points fixation	day	1.6. 1a	8,300	40	3,32,000	40	3,32,000	
vii	4 labours for surveyor	day	5.7	522	160	83,520	160	84,160	
	Sub Total- A					30,27,776		23,37,664	
B	PITTING AND TRENCHING								
i	Trenching	Cu m	2.1.1	3330	-	-			
	Sub Total- B					-			
C	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples for Iron-PGE & associated minerals BRS/Chip/Channel/Trench/BH samples)								
	a. Primary Samples for PGE (ICP-MS, Ni-S fire Assay)	Nos	4.1.5d	11,800	25	2,95,000	18	2,12,400	Surface Samples-120, Trench Samples-60, BH Samples-20
	b.External (10%) Check samples for PGE	Nos	4.1.5d	11,800	3	29,500	2	21,240	
	c. Primary samples Ni, Cr, Co, Cu	Nos	4.1.7a	2,506	-	-	-	-	Surface Samples-50, Trench Samples-20, BH Samples-20
	d.External (10%) Check samples for Ni, Cr, Co, Cu	Nos	4.1.7a	2,506	-	-	-	-	
	e. Primary Samples for Iron	No.	4.1.15a	4,200	400	16,80,000	100	4,20,000	Surface Samples-20, Trench Samples-0, BH Samples-600
	f.External (10%) Check samples for Iron	No.	4.1.15a	4,200	40	1,68,000	10	42,000	

ii	Primary & Check samples for gold (BRS/Channel/Core)							-	
	a. Primary Samples for Au by Fire Assay	Nos	4.1.5a	2,380	25	59,500	12	28,560	Selective samples (BRS-10, Trench-10, BH-30)
	b.External (10%) Check samples for Au by Fire Assay	Nos	4.1.5a	2,380	3	5,950	1	2,856	
2	Physical,Petrological, Mineralogical Studies							-	
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	8	18,824	
ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	8	33,856	
iii	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	8	12,392	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	8	33,856	
v	Digital Photographs	Nos	4.3.7	280	10	2,800	8	2,240	
vi	Estimation of Major oxides by XRF technique (Whole Rock Analysis)	Nos	4.1.15a	4,200	-	-			
vii	Analysis of rock sample for determination of a package by 34 elements by ICPMS (Trace element studies)	Nos	4.1.14	7,731	-	-			
viii	EPMA studies	per hour	4.4.1	8,540	-	-			Outsource component
ix	SEM studies	per hour	4.4.2	2,940	-	-			Outsource component
x	Operational Charge = (viii+ix) X 10%		6.0 (i)	10% of total outsourced Cost in case of total ousouce cost up to 50 lakh	-	-			
xi	Bulk Density	Nos	4.10	3540	5	17,700			
	Sub Total- C					23,82,110		8,28,224	
D	DRILLING								

i	Drilling upto 300m (Very Hard Rock) (1 rigs)	m	2.2.1.4b	12,420	600	74,52,000		-	
ii	Land / Crop Compensation	per BH	5.6	20,000	10	2,00,000		-	
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	10	20,000		-	
iv	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	2,600	93,600		-	Certification in this regard is required to be provided
v	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	4	2,00,000		-	
vi	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	2	5,00,000		-	
vii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	2	5,00,000		-	
viii	Approach Road Making (Hilly Terrain)	Km	2.2.10b	32,200	10	3,22,000		-	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed for max. 4 km.
ix	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes by DGPS	Nos	1.6.2	19,200	16	3,07,200	6	1,15,200	10 Boreholes+ 4 Block Boundary points
x	One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	330	5,24,700			This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
	Sub Total- D					1,01,19,500		1,15,200	
E	Total A to D					1,55,29,386		32,81,088	

F	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 150 lakhs but less than Rs. 300 lakhs - A minimum of Rs. 7.5 lakhs or 3% of the value of work whichever is more		7,50,000		1,64,054	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
G	Peer review Charges		As per EC decision			30,000		30,000	
H	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is lower		3,10,588		65,622	EA has to submit the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
I	Total Estimated Cost without GST					1,66,19,974		35,40,764	
J	Provision for GST (18% of I)					29,91,595.27		6,37,338	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					1,96,11,568.99		41,78,102	
	or Say Rs. In Lakhs					196.12		41.78	
Note:									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.								
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.								
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.								
5	Any item of work not mentioned above shall be added as per SoC.								
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.								

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Annexure VIII													
Revised Cost of Estimated Cost for Preliminary Exploration (G3 stage) for Limestone in Northwest of Boro Lakhindong Blork, Dima- Hasao district, Assam													
Timeline : 12 months , Review 6 months , BH : 5 nos., BH m: 500m; Total area: 4.82 sq km													
Implementing Agency: MMPL													
Approved Cost							Seeking to ammend the cost						
			Rates as per NMET		Estimated Cost of the			Rates as per NMET		Estimated Cost of the			
			SoC 2020-21		Proposal			SoC 2020-21		Proposal			
S. No.	Item of Work *	Unit *	SoC-	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs)	Item of Work *	SoC-	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs)	Remarks	
			Item No.			(a*b)		Item No.			(a*b)		
			*					*					
1	Geological Mapping (on 1:4000) (4.82 sq km)						Geological Mapping (on 1:4000) (4.82 sq km)						
a	Charges for Geologist in field (without labourer)	per day per Geologist	1.2.b	11,000	120	1320000	Charges for Geologist in field (without labourer)	1.2.b	11,000	120	1320000		
c	Wages for 2 labourers for geologist	per day	5.7	504	240	120960	Wages for 2 labourers for geologist	5.7	504	240	120960	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher	
2	Land/Crop compensation (as per actual)	per Borehole	5.6	20000	5	100000	Land/Crop compensation (as per actual)	5.6	20000	5	100000	Amount will be reimburse as per actuals or max. Rs. 20000 per BH with certification from local authorities	
3	Geochemical sampling (Bedrock sampling)	50 Nos	-	-	-	-	Geochemical sampling (Bedrock sampling)	-	-	-	-		
5	Survey work					0	Survey work				0		
a	Surveyor Charges (without labourer)	per day	1.6.1a	8300	30	249000	Surveyor Charges (without labourer)	1.6.1a	8300	30	249000		

b	Labour(4nos) charges for survey work	per day	5.7	504	120	60480	Labour(4nos) charges for survey work	5.7	504	120	60480	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
6	Technological Survey					0	Technological Survey				0	
a	Trenching	per cu m	2.1.1	0	0	0	Trenching	2.1.1	0	0	0	
b	Drilling	per m in soft rock	2.2.1.4b	6775	500	3387500	Drilling	2.2.1.4b	6775	500	3387500	As per MoC
c	Borehole pillaring (construction of concrete pillar) 12 inches x12 inches x 30 inches	per borehole	2.2.7a	2000	5	10000	Borehole pillaring (construction of concrete pillar) 12 inches x12 inches x 30 inches	2.2.7a	2000	5	10000	
d	Transportation of Drill Rig and truck(to and from Headquarters or Previous drill site)	per km	2.2.8	36	2290	82440	Transportation of Drill Rig and truck(to and from Headquarters or Previous drill site)	2.2.8	36	2290	82440	Certification in this regard is required to be provided (Raniganj to Boro Lakhindong and back)
e	Drilling camp setting cost	per drill	2.2.9a	250000	1	250000	Drilling camp setting cost	2.2.9a	250000	1	250000	
f	Drilling camp winding cost	per drill	2.2.9a	250000	1	250000	Drilling camp winding cost	2.2.9a	250000	1	250000	
g	Monthly accommodation charges for drilling camp	per Month	2.2.9	50000	3	150000	Monthly accommodation charges for drilling camp	2.2.9	50000	3	150000	
h	Approach road making to drill site (as oer actual)	per Km	2.2.10a	22020	5	110100	Approach road making to drill site (as oer actual)	2.2.10a	22020	5	110100	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed later
	Sampler			5100	70	357000	Sampler		5100	70	357000	
	Labour(4nos)			504	280	141120	Labour(4nos)		504	280	141120	
	total					6588600	total				6588600	

A	north eastern state: 3.35 times of normal SoC rate					22071810	north eastern state: 3.35 times of normal SoC rate				22071810	
	charges for geologist at head quarters	perday	1.2a	9000	45	405000	charges for geologist at head quarters	1.2a	9000	45	405000	
B	LABORATORY STUDIES											
	complete analysis for limestone	Nos	4.1.16	3,000	500	1500000	complete analysis for limestone BH core samples	4.1.9	2,900	500	1450000	
	complete analysis for limestone (10% external check	Nos	4.1.16	3,000	50	150000	complete analysis for limestone Bedrock sample	4.1.9	2,900	50	145000	
	petrochemical Studies (PCS)	Nos	4.1.15a	4200	10	42000	petrochemical Studies (PCS)	4.1.15a	4200	10	42000	
	Check sample (10% external)	Nos	4.1.16	3,000	50	150000	Check sample (10% external BRS and BH-Core samples	4.1.9	2,900	55	159500	
	preparation of thin sections	per sample	4.3.1	2,353	5	11765	preparation of thin sections	4.3.1	2,353	5	11765	
	study of thin section	per sample	4.3.4	4,232	5	21160	study of thin section	4.3.4	4,232	5	21160	
	bulk density	per sample	4.8.1	1,605	3	4815	bulk density	4.8.1	1,605	3	4815	
	drill core preservation	per sample	5.3	1,590	500	795000	dril core preservation	5.3	1,590	500	795000	
	Total E					3079740	Total B				3034240	
	Total A +B					2,51,51,550	Total A + B				2,51,06,050	
G	Geological Report Preparation	5 Hard copies with a soft copy	5.2	ii		754547	Geological Report Preparation	5.2	ii		753181.5	
H	Peer review Charges		As per EC decision	30,000	1	30,000	Peer review Charges	As per EC decision	30,000	1	30,000	

I	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		503031	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		500000		
J	Total Estimated Cost without GST					2,64,39,128	Total Revised Estimated Cost without GST					2,63,89,232	
K	Provision for GST (18% of J)					4759043.04	Revised Provision for GST (18% of J)					4750061.67	
L	Total Estimated Cost with GST					3,11,98,171	Total Revised Estimated Cost with GST					3,11,39,293	
				Rs. In Lakhs	311.9817104	Revised Rs. In Lakhs					311.3929317		
Note:													
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.												
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.												
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.												
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.												
5	Any item of work not mentioned above shall be added as per SoC.												
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.												




Revised Cost of Estimated cost for Reconnaissance Survey (G4) for Graphite in Ranibandh Area, Bankura, West Bengal

Total area: 16 sq km, Period of Completion: 12 months BH: 5 nos. review: after 6 months

Implementing Agency: MMPL

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Revised Estimated cost		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	Revised Qty.	Revised Total Amount	
A	Geological Mapping Other Geological Work & Surveying								
	Geological mapping, (1:12,500 scale) & Trenching , drilling work								
i	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2. b	11,000	120	13,20,000	120	1320000	1:12,500 scale map modification of 14sq km = 60Days 1:4000 scale map of 3 sq km area = 60 Days During Drilling=60 Days
ii	b. Labours Charges; Base rate	day	5.7	504	240	1,20,960	240	120960	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	c. Charges for Geologist per day (HQ)	day	1.2. a	9,000	60	5,40,000	60	540000	
	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5,100	34	1,73,400	34	173400	

	e. Labours (4 Nos)	day	5.7	504	136	68,544	136	68544	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total- A					22,22,904		22,22,904	
B	Ground Geophysical Survey								
1	IP. Induced Polarization (I.P) cum Resistivity S.P and Magnetic (30 Lkm)	8-10 Line Km	3.3a	29,600	3	88,800	3.5	103600	
3	Geophysicist party days (Field)	per day	3.18b	11,000	-	-		0	
4	c. Labours Charges(2 nos)	day	5.7	504	-	0		0	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
5	Geophysicist party days (HQ)	per day	3.18a	9,000	20	1,80,000	20	180000	
	Sub Total- B					2,68,800		2,83,600	
C	Survey work								
a	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.6.2	19,200	5	96000	6	115200	
b	Charges of Surveyor (1 party) for Geological survey layout work & Block boundary demarcation	one surveyor per day	1.6.1a	8,300	30	249000	30	249000	
c	Labours Charges for survey work;	day	5.7	504	120	60480	120	60480	4 labours per day
	Sub-Total C					4,05,480		4,24,680	

D	Trenching/Pitting								
	a) Excavation of Trenches	per cu.m	2.1.1	3,330	100	333000	139.1	4,63,203	
E	DRILLING (after review)								
1	Drilling up to 500m (Medium Hard Rock)	m	2.2.1.3b	10,908	500	54,54,000	450	49,08,600	
2	Borehole deviation Survey by Multishot Camera	m	2.2.6	330	500	1,65,000	45	14850	
3	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	20,000	5	1,00,000	6	120000	
4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	5	10,000	6	12000	
5	Transportation of Drill Rig & Truck associated per drill (2 rigs)	Km	2.2.8	36	400	14,400	400	14400	
6	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	2	1,00,000	2	100000	
7	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	250000	
8	Drilling Camp Winding up Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	250000	
9	Road Making (Flat Terrain)	Km	2.2.10a	22,020	5	1,10,100	5	110100	
10	Drill Core Preservation	per m	5.3	1,590	300	4,77,000	200	318000	
	Sub Total E					69,30,500		60,97,950	
F	Borehole Geophysical Logging	5 Bhs of 350m each							

G	LABORATORY STUDIES								
1	Chemical Analysis								
i)	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)								
	a. Au by Fire Assay	Nos							
	b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V, Ti by AAS Method	Nos							
	c. For PGE by Fire Assay	Nos							
	d. Proximate Analysis for Graphite	Nos	4.1.16	3,000	50	1,50,000	83	249000	quantum is including BRS and Channel/Groove Both
ii)	Surface Check samples (10% External)								
	a. Au by Fire Assay	Nos							
	b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V, Ti by AAS Method	Nos							
	c. For PGE	Nos							
	d. Proximate Analysis for Graphite	Nos	4.1.16	3,000	5	15,000	8	24000	
iii)	Trench & Check Samples from Trench								
	Trench samples								
	a. Au by Fire Assay	Nos							
	b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V, Ti by AAS Method	Nos							




	c. For PGE	Nos							
	d. Proximate Analysis for Graphite	Nos	4.1.16	3,000	50	1,50,000	47	141000	
iv)	Trench Check samples (10% External)								
	a. Au by Fire Assay	Nos							
	b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V, Ti by AAS Method	Nos							
	c. For PGE	Nos							
	d. Proximate Analysis for Graphite	Nos	4.1.16	3,000	5	15,000	5	15000	
v)	BH Core samples								
	a. Au by Fire Assay	Nos							
	b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V, Ti by ICPMS-34 elements	Nos	4.1.14	7,731	50	3,86,550	50	386550	
	c. For PGE	Nos							
	d. Proximate Analysis of Graphite	Nos	4.1.16	3,000	100	3,00,000	104	312000	
vi)	BH Core samples (10% External)								
	a. Au by Fire Assay	Nos							
	b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V, Ti by AAS Method	Nos							
	c. For PGE	Nos							
	d. Proximate Analysis for Graphite	Nos	4.1.16	3,000	10	30,000	10	30000	
2	Physical & Petrological Studies								




i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	10	23530	
ii	Study of thin section	Nos	4.3.4	4,232	10	42,320	10	42320	
iii	Preparation of polish section	Nos							
iv	study of polished section	Nos							
v	Digital Photographs	Nos	4.3.7	280	10	2,800	10	2800	
vi	Whole Rock Analysis	Nos	4.1.15a	4,200	10	42,000	10	42000	
vii	Sp. Gravity	Nos	4.8.1	1,605	5	8,025	5	8025	
	SEM Studies	per hour							
viii	EPMA studies	per hour							
	Sub-Total G					11,65,225		12,76,225	
H	Total A to G					1,13,25,909		1,07,68,562	
I	Geological Report Preparation	5 Hard copies with a soft copy	5.2		1.00	5,66,295		5,38,428	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
J	Peer review Charges		As per EC decision	30,000	1	30,000		30,000	
K	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		2,26,518		2,15,371	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
L	Total Estimated Cost without GST					1,21,48,723		1,15,52,361	Total cost is reduced from 143.35 Lakhs to 136.78 Lakhs
M	Provision for GST (18%)					21,86,770		20,79,425	
N	Total Estimated Cost with GST					1,43,35,493		1,36,31,786	
				or Say Rs. In Lakhs		143.35		136.32	

Note:			
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.		
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.		
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.		
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.		
5	Any item of work not mentioned above shall be added as per SoC.		
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.		

Annexure X											
Revised Cost of Estimated Cost for Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Reldi Moti area Kachchh District, Gujarat											
Name of the Exploration Agency – Critical Mineral Trackers, Hyderabad											
Total Area -7.95sq.km ; No of Boreholes- 4 , 120m Completion Time -10 months ,review: 4 months											
S.N o	Item of Work	Unit	Rates as per NMET SoC		Estimated Cost of the Proposal		Remarks	Revised Cost of the Proposal			Remarks
			SoC- Item-SI No.	Rates as per SOC	Qtm	Total Amount(Rs)		Rates as per SOC	Qtm	Total Amount(Rs)	
A	Geological Work										
1	Geological Mapping(1:12,500)& sampling – Geologist field-days	7.95Sq.km	1.2	11000	170	18,70,000	man days	11000	170	18,70,000	man days
2	Geologists(HQ)days, pre & post field interpretation 15 +20 days	One Geologist Per Day	1.2	9000	35	3,15,000	man days(cluding Remote sensing studies	9000	35	3,15,000	man days(cluding Remote sensing studies
3	Pitting-20nos each one size 1*1*1m(1 Cu.m each)	Per Cu.m	2.1.2	3800	20	76,000	20 cu.m	3800	20	76,000	20 cu.m

4	Trenching-5 nos, each one size 10*1*1(10 cu.m each)	Per Cu.m	2.1.1	3300	50	1,65,000	50 cu.m	3300	50	1,65,000	50 cu.m
5	sampler	45 days	1.5.2	5100	23	1,17,300	man days	5100	23	1,17,300	man days
6	Labour(2 labour) attached to sampler	90 labour days	5.7	526	92	48,392	labour days	526	92	48,392	labour days
7	Labour (100Field days) per team:2 workers : 100*4 for two geologist teams	Per Team of 2 Geologists	5.7	526	340	1,78,840	labour days	526	340	1,78,840	labour days
		(2*2=4)									
		Labour/Field workers									
	Sub-Total -A					27,70,532				27,70,532	
B	Survey Work:										
1	Surveyor: Fixation & connection of boundary points(4 nos),4 Bh by Total station/DGPS	One surveyor	1.6.2	19,200	8	1,53,600	Total 8 points		8	1,53,600	Total 8 points
	Sub-total-B					1,53,600				1,53,600	
C	Core Drilling (In-house)										
1	Scout drilling(coring) :4 points(each 30m deep) 4*30	Per meter	2.2.1.1b	7,168	120	8,60,160	120m soft rock-MoC rate	7168	120	8,60,160	120m soft rock-MoC rate
2	Construction of BH pillar(12"*12"*30")	Per pillar	2.2.7a		0	0	4pillars	2000	4	8,000	4pillars
3	**Mob & demob of drilling machine & BH shifting	1500km*2 =3000km	2.2.8		0	0	3000km	36	3000	1,08,000	3000km

4	Monthly accommodation charges for drilling camp	Rs50,000/month			0	0	one month	50,000	1	50,000	one month
5	Drilling camp setting cost	lumpsum	2.2.9a		0	0	Fixed cost	2,50,000	1	2,50,000	Fixed cost
6	Drilling camp winding cost	lumpsum	2.2.9b		0	0	fixed cost	2,50,000	1	2,50,000	fixed cost
7	Approach road making		2.2.10a		0	0	One km approx	22020	1	22,020	One km approx
8	Compensation for 4 Bhs		5.6		0	0	4 BHS	20,000	4	80,000	As per actuals
9	Drill core preservation in GI boxes	Per meter	5.3	1590	120	1,90,800	120m core	1590	120	1,90,800	90m core
	Sub total-C					10,50,960				18,18,980	
D	Laboratory Studies										
1	Trench Samples (5*5=25nos):by AAS method	First five radicals+2	4.1.7a &7b	4181	0	0	90 samples		0	0	90 samples
2	Pitting Sample: (20*1=20nos)-AAS method	First five radicals+2 radicals	4.1.7a &7b	4181	0	0	60 samples		0	0	60 samples
3	Core drilling Samples-4*60=180	First five radicals+2 radicals	4.1.7a &7b	4181	0	0	24 samples		0	0	24 samples
	Total depth 30m each, samples will be collected at every 0.5m interval.										
	AAS method										
	XRF-Major Oxide		4.1.15a	4200	143	6,00,600	Trench-70,pit-20,BH-40 (130+13)	4200	143	6,00,600	Trench-70,pit-20,BH-40 (130+13)
4	Analysis for REE(14 elements/radicals) by ICP-MS	14 elements/radicals	4.1.13	5380	36	1,93,680	33+3 check samples	5380	36	1,93,680	33+3 check samples
5	Combined determination of THA,MHA and Reactive silica		4.1.17a	6700	4	26,800	4 samples	6700	4	26,800	4 samples

6	Preparation of polished thin section	Per sample	4.3.2	1549	10	15,490	10 sections	1549	10	15,490	10 sections
7	Complete petrographic/ore microscopic/mineragraphic studies		4.3.4	4232	10	42,320	10 sections	4232	10	42,320	10 sections
8	XRD analysis for identification of minerals(random)	Per sample	4.5.1	4000	4	16,000	4 samples	4000	4	16,000	4 samples
	Sub-total-D					2,51,970	Actual Sub-Total is Rs.894,890 But sub-total shown in Approved Cost Sheet wrongly as 2,51,970			8,94,890	Rs894,890 but sub-total shown wrongly as 2,51,970
E	Surface Geophysical Survey		Not recommended								
1	Electrical resistivity	Per Station									
2	gravity surveys	Per station									
3	Geo Physicist Man days (Field Man-days)										
4	Geo Physicist Man days (HQ)										
	Sub-total-E										
	TOTAL (A+B+C+D)					42,27,062				56,38,002	
F	Preparation of Exploration Proposal (5 Hard copies with a soft copy)		5.1	2% of the project cost subject to a maximum of 5 lakhs	1	84,541	2% of the Project cost.		1	1,12,760	2% of the Project cost.
G	Geological Report		5.2			2,11,353				2,81,900	

	(5 Hard copies with a soft copy)			5% of the Project cost			5% of the Project Cost.				5% of the Project Cost.
	operational charges		6.0			86016				0	
	Tender process cost		2.3			17203				0	
	peer review					30,000				30,000	
	Additional Copy			1000	0	0			0	0	
	Project Cost without GST					46,56,175				60,62,662	
	18% GST					8,38,112				1091279	
	Total Project Cost					54,94,287				71,53,941	
CMT will deploy in-house drill machine(instead of outsourcing) in this block and hence the cost sheet is revised as agreed in review meeting held on 29th May,2025											
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.										
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.										
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.										
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.										
5	Any item of work not mentioned above shall be added as per SoC.										
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.										




Annexure XI

Revised cost of Estimated Cost for Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Lakhond area, Kachchh District, Gujarat

Name of the Exploration Agency – Critical Mineral Trackers, Hyderabad

Total Area -6.12sq.km ; No of Boreholes- 4 ; Completion Time -10 months, Review: 4 months

S.No	Item of Work	Unit	Rates as per NMET SoC		Estimated Cost of the Proposal		Remarks	Rates as per NMET SoC		Revised Cost of the Proposal		Remarks
			SoC-Item-SI No.	Rates as per SOC	Qtm	Total Amount(Rs)		SoC-Item-SI No.	Rates as per SOC	Qtm	Total Amount(Rs)	
A	Geological Work											
1	Geological Mapping(1:25,000) & sampling – Geologist field-days	6.12	1.2	11000	150	16,50,000	man days	1.2	11000	150	16,50,000	man days
2	Geologists(HQ)days, pre & post field interpretation 15 +20 days	One Geologist Per Day	1.2	9000	35	3,15,000	man days(including Remote sensing studies)	1.2	9000	35	3,15,000	man days(including Remote sensing studies)
3	Pitting-20nos each one size 1*1*1m(1 Cu.m each)	Per Cu.m	2.1.2	3800	20	76,000	20 cu.m	2.1.2	3800	20	76,000	20 cu.m
4	Trenching-5 nos, each one size 10*1*1(10 cu.m each)	Per Cu.m	2.1.1	3300	50	1,65,000	50 cu.m	2.1.1	3330	50	1,66,500	50 cu.m
5	sampler	45 days	1.5.2	5100	23	1,17,300	man days	1.5.2	5100	23	1,17,300	man days

6	Labour(2 labour attached to sampler	90 labour days	5.7	526	92	48,392	labour days	5.7	526	92	48,392	labour days
7	Labour (100Field days) per team:2 workers : 100*4 for two geologist teams	Per Team of 2 Geologists (2*2=4) Labour /Field workers	5.7	526	300	1,57,800	labour days	5.7	526	300	1,57,800	labour days
	Sub-Total -A					25,29,492					25,30,992	
B	Survey Work:											
1	Surveyor: Fixation & connection of boundary points(6 nos),4 Bh by Total station/DGPS	One survey or	1.6.2	19,200	8	1,53,600	Total 8 points	1.6.2	19,200	10	1,92,000	Total 8 points (It should be 10 points)
	Sub-total-B					1,53,600					1,92,000	
C	Core Drilling (In-House)											
1	Scout drilling(coring) :4 points(each 30m deep) 4*30	Per meter	2.2.1.1b	7,168	120	8,60,160	120m,so ft rock,MOC rate	2.2.1.1b	7,168	120	8,60,160	120m,soft rock,MOC rate
2	Construction of BH pillar(12"*12"*30")	Per pillar	2.2.7a	2000	0	0	4 pillars	2.2.7a	2000	4	8,000	4 pillars

3	**Mob & demob of drilling machine & BH shifting	12km away from Reldimoti block	2.2.8	24	0	0	Lokhand is 12km away from reldimoti block	2.2.8	24	36	864	Lokhand is 12km away from reldimoti block
4	Monthly accommodation charges for drilling camp	Rs50,000/month		50,000	0	0	one month		50,000	1	50,000	one month
5	Drilling camp setting cost	lumpsum	2.2.9a	2,50,000	0	0	fixed cost	2.2.9a	2,50,000	1	2,50,000	fixed cost
6	Drilling camp winding cost	lumpsum	2.2.9b	2,50,000	0	0	fixed cost	2.2.9b	2,50,000	1	2,50,000	fixed cost
7	Approach road making		2.2.10a	22020	0	0	Approx. 5km	2.2.10a	22020	5	1,10,100	Approx.5km
8	Compensation for 4 BHs		5.6	20,000	0	0	4 BHs	5.6	20,000	4	80,000	4 BHs
9	Drill core preservation in GI boxes	Per meter	5.3	1590	120	1,90,800	120m core	5.3	1590	120	1,90,800	120m core
	Sub total-C					10,50,960					17,99,924	
D	Laboratory Studies											
1	Trench Samples (5*5=25nos):by AAS method	First five radicals+2,Ga,v,Ti,Sc,REE	4.1.7a &7b	0	90	0	90 samples	4.1.7a &7b	0	90	0	90 samples

2	Pitting Sample: (20*1=20nos)-AAS method	First five radical s+2,G a,v,Ti, Sc,RE E	4.1.7a &7b		60	0	60 samples	4.1.7a &7b		60	0	60 samples
3	Core drilling Samples-4*30=120 Total depth 30m each, samples will be collected at every 5m interval. AAS method	First five radical s+2,G a,v,Ti, Sc,RE E	4.1.7a &7b		24		24sampl es	4.1.7a &7b		24		24samples
	XRF-Major oxides		4.1.15a	4200	14 3	6,00,600	Trench: 50 horizont al.20 vertivcal ,pits:20, BHs:40(130+13 Check samples)	4.1.15a	4200	143	6,00,600	Trench:50 horizontal.20 vertivcal,pits:20,BHs :40(130+13 Check samples)
4	Analysis for REE(14 elements/radicals) by ICP-MS	14 eleme nts/rad icals	4.1.13	5380	36	1,93,680	pit- 20,Tren ch- 5,Bhs:8(33+3 chechk samples)	4.1.13	5380	36	1,93,680	pit-20,Trench- 5,Bhs:8(33+3 chechk samples)




5	Combined determination of THA,MHA and Reactive silica		4.1.17a	6700	4	26,800	4 samples	4.1.17a	6700	4	26,800	4 samples
6	Preparation of polished thin section	Per sample	4.3.2	1549	10	15,490	10 sections	4.3.2	1549	10	15,490	10 sections
7	Complete petrographic/ore microscopic/mineragraphic studies	per sample	4.3.4	4232	10	42,320		4.3.4	4232	10	42,320	
8	XRD analysis for identification of minerals(random)	Per sample	4.5.1	4000	4	16,000	4 samples	4.5.1	4000	4	16,000	4 samples
	Sub-total-D					8,94,890					8,94,890	
E	Surface Geophysical Survey		Not recommended					Not recommended				
1	Electrical resistivity	Per Station										
2	gravity surveys	Per station										
3	Geo Physicist Man days (Field Man-days)											
4	Geo Physicist Man days (HQ)											
	Sub-total-E					0					0	
	TOTAL (A+B+C+D)					46,28,942					54,17,806	

F	Preparation of Exploration Proposal			2% of the project cost subject to a maximum of 5 lakhs	1	92,579	2% of the Project cost.	5.1	2% of the project cost subject to a maximum of 5 lakhs	1	1,08,356	2% of the Project cost.
	(5 Hard copies with a soft copy)		5.1									
G	Geological Report			5% of the Project cost		2,31,447	5% of the Project Cost.	5.2	5% of the Project cost		2,70,890	5% of the Project Cost.
	(5 Hard copies with a soft copy)		5.2									
	Tender Process Cost					17203.2					0	
	Operational Charges					86016					0	
	peer review		30,000			30,000		30,000			30,000	
	Additional Copy			1000	0	0			1000	0	0	
	Project Cost without GST					50,86,187	Project Cost without GST				58,27,052	0
	18% GST					9,15,514	18% GST				10,48,869	0
	Total Project Cost					60,01,701	Total Project Cost				68,75,922	0

CMT will deploy in-house drill machine(instead of outsourcing) in this block and hence the cost sheet is revised as agreed in review meeting held on 29th May,2025

Note :	
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.

4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.




Timeline Extension for Ongoing Projects Approved / Recommended in the 9th Meeting of TCC-II

Annexure-XII

S. No.	Block/Project	Agency	Actual date of completion	Timeline Extension		Approval / Recommendation in 9 th TCC-II		
				Extended Timeline	Approving Authority	Timeline	Status	Remarks
1.	Preliminary Exploration (G3) for vanadium and titanium in Dandi-Onjal-Surwada Block in Navasari and Valsad Districts, Gujarat	M/s Geomarine Solutions Private Limited	11.03.2025	11.06.2025 (03 months)	5 th TCC-II	11.07.2025 (1 months)	Recommended to EC	For GR submission
2.	Reconnaissance Survey (G4) for Graphite and associated Minerals around Sonaghati, Amdol, Jharegaon and Bhayawari, District Betul, Madhya Pradesh	M/s GeoExpOre Private Limited	11.03.2025	11.06.2025 (03 months)	6 th TCC-II	11.08.2025 (02 months)	Recommended to EC	For completion of project
3.	Preliminary Exploration (G3) for Limestone in Lodhva Block, Gir Somnath District, Gujarat	CGM Gujarat	21.06.2025	---	---	31.12.2025 (06 months)	Recommended to EC	For completion of project
4.	Preliminary Exploration (G3) for Limestone in Matana Block, Gir Somnath District, Gujarat	CGM Gujarat	21.04.2025	---	---	31.12.2025 (08 months)	Recommended to EC	For completion of project
5.	Preliminary Exploration (G3) for Limestone in Simar Block, Gir Somnath District, Gujarat	CGM Gujarat	21.04.2025	---	---	31.12.2025 (08 months)	Recommended to EC	For completion of project
6.	Detailed Exploration (G3) for Limestone in Bolas Block, Gir Somnath District, Gujarat	CGM Gujarat	21.04.2025	---	---	31.12.2025 (08 months)	Recommended to EC	For completion of project




06

1st Review in 43rd EC

भारत सरकार
खान मंत्रालय
राष्ट्रीय खनिज खोज न्यास

Government of India
Ministry of Mines
National Mineral Exploration Trust

F.No.6/2/2015-NMET/ 319

New Delhi, 22nd August, 2025

Subject: Circulation of minutes of 43rd meeting of Executive Committee (EC) of National Mineral Exploration Trust (NMET) held on 14th August, 2025

Please find enclosed herewith the minutes of 43rd meeting of Executive Committee of NMET held on 14th August, 2025 for your kind perusal.

Action Taken Report on relevant paras may kindly be forwarded to this office by 2.9.2025.

Encl: As above


[Geetika Sharma]
Deputy Secretary & HoD, NMET

To,

1. The Secretary, Dept. of Atomic Energy, Anushakti Bhawan, C.S.M. Marg, Mumbai-400001.
2. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi- 110001.
3. The Secretary, Ministry of Petroleum and Natural Gas, Shastri Bhawan, New Delhi-110001.
4. The Joint Secretary and Financial Advisor, Ministry of Mines, Shastri Bhawan, New Delhi-110001.
5. The Director General, Geological Survey of India, 27, J. L. Nehru Road, Kolkata-700016.
6. The Controller General, Indian Bureau of Mines, 2nd Floor, Indira Bhawan, Civil Lines, Nagpur-440001.
7. The Principal Secretary, Mineral Resources Department, Govt. of Madhya Pradesh, Mantralaya, Vallabh Bhawan, Bhopal- 462004.
8. The Principal Secretary, Industries, Energy and Labour Dept., Govt. of Maharashtra, 114 Annex Building Mantralaya, Mumbai- 400032.

9. The Additional Chief Secretary, Department of Mines and Petroleum, Government of Rajasthan, Main Building Secretariat, Jaipur-305005.
10. The Additional Chief Secretary, Industries, Investment Promotion and Commerce Dept., Govt. of Tamil Nadu, Industries Department Secretariat, Chennai- 600009.
11. Shri Alok Sharma, (Retd.) GM & HoD (Exploration), CMPDIL, 402, Lake Garden, Kanke Road, Ranchi- 834008.
12. Shri Naresh Nautiyal, Head (Business Development & Planning) (Retd.), MECL, 109, KT Nagar, Katol Road, Nagpur- 440013.
13. Dr. Yamuna Singh, Scientist-H, Atomic Minerals Directorate for Exploration and Research (Retd.), Flat G-7, Block G, Rainbow Vistas Rock Garden, Opp- IDL, Green Hills Road, Sanathnagar PO, Moosapet, Hyderabad- 500018.
14. Dr. Laxman Singh Shekhawat, Dy. Director General (Retd.), Geological Survey of India, 695 Shanti Nagar (Road No-3), Near Durgapura Railway Station, Durgapura, Jaipur- 302018.
15. Dr. Sahendra Singh, Associate Professor, Department of Applied Geology, Indian Institute of Technology (ISM), Dhanbad- 826004.

Copy to:

1. The Secretary (Mines), Government of Andhra Pradesh.
2. The Secretary (Geology and Mining), Government of Arunachal Pradesh.
3. The Principal Secretary, Department of Mines and Minerals, Government of Assam.
4. The Principal Secretary-cum-Mines Commissioner, Government of Bihar.
5. The Secretary, Mineral Resource Department, Government of Chhattisgarh.
6. The Principal Secretary, Department of Mines and Geology, Government of Goa.
7. The Addl. Chief Secretary (Industries), Government of Himachal Pradesh.
8. The Principal Secretary (Industry and Mines), Government of Gujarat.
9. The Commissioner Secretary (Industries and Commerce), Union Territory of Jammu & Kashmir.
10. The Secretary (Industries, Mines and Geology), Government of Jharkhand.
11. The Secretary, (Industries and Commerce), Government of Karnataka.
12. The Principal Secretary, Industries Department, Government of Kerala.
13. The Secretary, Mineral Resource Department, Government of Madhya Pradesh.
14. The Addl. Chief Secretary (Industries and Mines), Government of Maharashtra.
15. The Commissioner and Secretary, Mining and Geology Department, Government of Meghalaya.
16. The Commissioner & Secretary, Geology and Mining, Government of Nagaland.

17. The Principal Secretary (Steel and Mines), Government of Odisha.
18. The Principal Secretary, Mines and Geology, Government of Punjab.
19. The Principal Secretary (Mines), Government of Rajasthan.
20. The Principal Secretary (Industries), Government of Tamil Nadu.
21. The Principal Secretary (Industries and Mines), Government of Telangana.
22. The Secretary (Mines and Geology), Government of Uttar Pradesh.
23. The Principal Secretary (Mines), Government of Uttarakhand.
24. The Secretary (Industry, Commerce and Enterprises), Government of West Bengal.
25. The Secretary, Department of Industries, Union Territory of Ladakh.
26. The Principal Secretary, Mines and Geology Department, Government of Sikkim.
27. The Secretary, Department of Industries and Commerce, Government of Tripura.
28. The Secretary, Commerce and Industries, Government of Mizoram.
29. The Secretary, Textiles, Commerce and Industry, Government of Manipur.
30. The Principal Secretary, Department of Mines and Geology, Government of Haryana.

Copy to:

1. The Director, Department of Mines and Geology, Government of Andhra Pradesh.
2. The Director, Department of Geology and Mining, Government of Arunachal Pradesh.
3. The Director, Directorate of Geology and Mining, Government of Assam, Kahilipara, Guwahati-781019.
4. The Director, Department of Mines and Geology, Government of Bihar.
5. The Director, Directorate of Geology and Mining, Government of Chhattisgarh.
6. The Director of Mines and Geology, Government of Goa.
7. The Commissioner of Geology and Mining, Government of Gujarat.
8. The Director, Department of Industries, Government of Himachal Pradesh.
9. The Director, Department of Geology and Mining, Union Territory of Jammu and Kashmir, J.L.Nehru Udyog Bhawan, 4th Floor, Rail Head Complex, Jammu - 180012.
10. The Director (Mines), Directorate of Mines, Government of Jharkhand.
11. The Director, Department of Mines and Geology, Government of Karnataka.
12. The Director, Directorate of Mining and Geology, Government of Kerala.
13. The Director, Directorate of Geology and Mining, Government of Madhya Pradesh.
14. The Director, Directorate of Geology and Mining, Government of Maharashtra.
15. The Director, Directorate of Mineral Resources, Government of Meghalaya.
16. The Director, Directorate of Geology and Mining, Government of Nagaland.

17. The Director, Directorate of Geology and Mining, Government of Odisha.
18. The Director, Directorate of Mines and Minerals, Government of Punjab.
19. The Director, Mines and Geology Directorate, Government of Rajasthan.
20. The Commissioner of Geology and Mining, Government of Tamil Nadu.
21. The Director of Mines and Geology, Government of Telangana.
22. The Director, Directorate of Geology and Mining, Government of Uttar Pradesh.
23. The Director, Geology and Mining Unit, Government of Uttarakhand.
24. The Director, Directorate of Mines and Minerals, Government of West Bengal.
25. The Director, Directorate of Industries and Commerce, Union Territory of Ladakh.
26. The Director, Department of Mines, Minerals and Geology, Government of Sikkim
27. The Director, Department of Industries and Commerce, Government of Tripura
28. The Director, Directorate of Geology and Mineral Resource, Government of Mizoram.
29. The Director, Department of Trade, Commerce and Industries, Government of Manipur.
30. The Director, Department of Mines and Geology, Government of Haryana.

Copy to:

1. Dr. S. Ravi, Chairman, TCC-I, NMET and Deputy Director General & Head M-V, GSITI, Bandlaguda, Hyderabad-500068.
2. Shri Pradeep Singh, Chairman, TCC-II, NMET and Deputy Director General, M-III A, GSI, CHQ, Kolkata- 700016.
3. The Director, AMD, Department of Atomic Energy, AMD Complex, Begumpet, Hyderabad-500016.
4. The Managing Director, MECL, Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur-440006.
5. The Chairman-cum-Managing Director, CMPDIL, Gondwana Road, Kanke Road, Ranchi, Ranchi-834031.
6. The General Manager (ME), Mineral Exploration Department, KIOCL Limited, KIOCL Limited, Bangalore-560034.
7. Commissioner of Geology and Mining, Block 15, Dr. Jivraj Mehta Bhavan, Sector - 10, Gandhinagar - 382010
8. The Managing Director, Maheshwari Mining Pvt. Ltd., 21, CLM Lane, Raniganj, Dist: Burdwan, West Bengal, India Pin: 713347.
9. M/s Critical Mineral Trackers, E3, 3rd Floor, Technology Research Park, Indian Institute of Technology, IITH Road, near National Highway 65, Hyderabad, Kandi, Telangana 502285

10. The CEO, QCI-Nabet, ITPI Building, 6th Floor, 4 – A, Ring Road, I P Estate, New Delhi – 110002
11. Engeotech Consultant, 1338 Vijay Nagar, Kachnar City Road, Jabalpur PIN 482002.
12. M/s GemcoKati Exploration Pvt Ltd, E-77 MIDC Chandrapur, Maharashtra-442401.
13. GeoExpore Pvt. Ltd., WeWork-Next to Forum Mall, Prestige Cube, Koramangala, Bangalore – 560034, Karnataka, India
14. M/s PRB Infra, S-3 2nd Floor, Ratan Heights, Medical Chowk, Chandan Nagar, Nagpur, Maharashtra 440009.
15. Geovale Services Pvt. Ltd., 3rd Floor Floor, Anaya Chambers, GN 38/5, Sector V, Salt Lake, Kolkata, West Bengal.
16. Geo Marine Solutions Pvt. Ltd., 15-17-909/9,5th Cross Shivabagh, Kadri, Mangalore-575005
17. Ocean Drilling and Exploration Pvt. Ltd., 24 A, Shanti Nager, Bani Vihar, Near Diamond Residency, Jhotwara, Jaipur-332012
18. Ecomen Mining Pvt. Ltd. B – 1/8, 2nd Floor, Sector-H, Aliganj, Lucknow – 226024, Uttar Pradesh, India

Copy for information to:

1. PSO to Secretary/PPS to JS(VKB)/PS to AS&FA, Ministry of Mines, Shastri Bhawan, New Delhi-110001.

Ministry of Mines
National Mineral Exploration Trust
Minutes of 43rd Executive Committee (EC) meeting, NMET
held on 14.8.2025
Venue: Khanij Kaksh, Shastri Bhawan

The 43rd meeting of Executive Committee (EC) of NMET was held under Chairmanship of Shri V. L. Kantha Rao, Secretary, Mines/Chairman EC on 14th August, 2025 at Shastri Bhawan, New Delhi in hybrid mode. The list of participants is given in Annexure-1. Smt. Geetika Sharma, Dy. Secretary & HoD, NMET welcomed the Chairman, EC and introduced Shri Pankaj Garg, Director General, NMET and Member Secretary, EC. She also welcomed all the members, technical experts and invitees at the meeting. The agenda items discussed and decisions taken in the meeting are as under:

Agenda 43.1: Confirmation of minutes of 42nd Meeting of EC held on 2nd June, 2025.

The minutes of the 42nd Executive Committee (EC) meeting were circulated on 12th June, 2025. No comments or observations were received from the members.

Decision: EC confirmed the minutes of the 42nd meeting of Executive Committee.

Agenda 41.2: Action Taken Report (ATR) on the minutes of 42nd EC meeting

EC was briefed on the action taken on decisions taken during the 42nd EC meeting. Discussion on the actionable points is given as under:-

- i) Regarding monitoring mechanism to track the manpower of NPEAs every six months, QCI-Nabet informed that : (i) a standardized form has been prepared to capture detailed information pertaining to the joining and leaving of experts across all relevant technical areas. The agency will fill the form biannually; (ii) Surveillance Assessment has been carried out for 16 NPEAs and re-accreditation has been done for 7 NPEAs; (iii) they have given warning to 2 NPEAs for non-compliance of the accreditation scheme provisions by not informing the changes in their skilled manpower.
EC advised QCI-Nabet to organize workshops periodically for the NPEAs to handhold them in maintaining the quality.

[QCI-Nabet]

- ii) As regards ascertaining the willingness to carry out exploration in the 51 blocks based on legacy reports along with 10A(2b) cases, EC was informed that willingness has been received from various agencies.

EC instructed to convene a joint TCC meeting to allot the blocks to the NEAs/NPEAs. The agencies may submit the proposals in the upcoming TCC meetings scheduled to be held in the month of August, 2025. These proposals to be placed before the EC at its upcoming meeting in September, 2025

[NMET and TCC Chairmen]

- iii) Regarding EC's advice to MECL to organize a workshop for all the NER States one day prior to Mining Ministers' Conclave to be organized in Guwahati on 27th and 28th June 2025, CMD, MECL informed that they are organizing workshops in Mizoram and Tripura in the months of August and September, 2025, respectively.

EC advised DG, NMET to review the minutes of 2nd North East Mining Ministers' Conclave and in respect of any actionable points, MECL may follow up with the concerned States.

[NMET and MECL]

- iv) As regards the release of exploration incentive to agencies for upgradation of mineral blocks from G4 to G3 stage of investigation after completion of G3 stage of investigation.

EC was informed that NMET is revising the entire Schedule of Charges (SoC) and the relevant modification will be incorporated in the revised SoC of NMET.

[NMET]

- v) Regarding EC's instruction to upload the details of procured instruments on NMET website, EC was apprised that the list of procured instruments has been uploaded on NMET website.

EC further advised to (i) add an introductory paragraph citing the wider use of these instruments in mineral exploration activities by the beneficiaries; (ii) the contact details of respective agencies should also be uploaded so that interested agencies may be facilitated to borrow the equipments for their use; (iii) visit the

Department of Science and Technology (DST) portal to study the methodology followed by them for uploading details of equipments.

[NMET]

- vi) Regarding ECs decision to review the procurement status of the agencies EC advised DG, NMET to review the individual procurement projects with concerned agencies, for timely procurement and utilization of equipment.

[NMET]

Agenda 43.3: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committees (TCCs)

TCC-1 at its 77th and 78th meeting and TCC-2 at its 9th and 10th meeting have recommended 14 mineral exploration proposals (including three proposals for ratification) with estimated cost of Rs 28.76 crore for approval of EC.

Amount in Rs. Crore							
A. Projects recommended by TCC-1							
Sl. No.	Project/Block Name	Area (in km ²)	Agency	Commodity	Stage	Duration (in months)	Cost
1	Preliminary exploration (G-3 stage) for limestone in Mukteswarapuram Block, Suryapet district, Telangana	4.57	MECL	Limestone	G3	07	0.93
2	Preliminary exploration (G-3 stage) for limestone in Pedaveedu East Block, Suryapet district, Telangana	4.17	MECL	Limestone	G3	07	0.86
3	Preliminary exploration (G-3 stage) for limestone in Pedaveedu West Block, Suryapet district, Telangana	7.78	MECL	Limestone	G3	07	0.89
4	Preliminary Exploration (G3) for Aluminous Laterite, Vanadium and associated minerals (V, Ga & REE) in	6.33	MECL	Aluminous Laterite, Vanadium and	G3	42 10	1.23

	Kallar Block, Kasaragod District, Kerala			associated minerals (V, Ga & REE)			
5	Preliminary exploration Survey (G3) for Iron ore in Gidhali-Chiklakasa block, Balod district, Chhattisgarh	3.35	Bhushilp Mines and Minerals Pvt. Ltd.	Iron	G3	12	1.96
6	Preliminary Exploration (G-3) for Graphite in Dahita Block, District: Bargarh, Odisha	5.40	MECL	Graphite	G3	12	2.03
7	Preliminary Exploration (G3) for Bauxite, Vanadium, Gallium and associated minerals around Patgaon and Somlewadi villages (Patgaon Block), Sindhudurg district, Maharashtra	7.0	Geo Marine Solutions Private Limited	Bauxite, Vanadium, Gallium and associated minerals	G3	12	2.28
8	Preliminary Exploration (G-3) for Bauxite, Vanadium, Gallium and associated minerals around Pendhri village (Pendhri Block), Sindhudurg District, Maharashtra	7.0	Geo Marine Solutions Private Limited	Bauxite, Vanadium, Gallium and associated minerals	G3	12	2.26
9	Reconnaissance Survey (G4) for REE and Associated Minerals in Maddur area, Narayanpet District, Telangana	160.0	Critical Mineral Trackers	REE and Associated Minerals	G4	10	1.31
10	Reconnaissance Survey (G4) for REE, Ni, Co and PGE in Podili area, Prakasam District, Andhra Pradesh	210.0	Critical Mineral Trackers	REE, Ni, Co and PGE	G4	10	1.90
	Total A						15.65
B. Projects recommended by TCC-2							
11	Reconnaissance Survey (G-4) for Bauxite and associated	44	MECL	Bauxite and associated minerals	G4	10	1.18

	minerals in Ratnal Area, Districts Kachchh, Gujarat						
12	Reconnaissance Survey (G-4) for Bauxite and associated minerals in Kukma Area, District Kachchh, Gujarat	13.32	MECL	Bauxite and associated minerals	G4	10	0.75
13	Preliminary Exploration (G3) for limestone in Vadekhan Block, Rajkot district, Gujarat	6.19	PRB Infra Projects Private Limited	Limestone	G3	10	0.69
14	Reconnaissance survey for Potash & Halite in Ramsara - Amarkot -Dalmir- Khera area in Fazilka District, Punjab	10.30	Ocean Drilling and Exploration Private Limited	Potash & Halite	G4	10	10.49
	Total B						13.11
	Total A+B						28.76

Decision of EC: (i) EC advised MECL to complete exploration in Kodom and Kallar block, Kasargod District Kerala in 10 months' time due to upcoming elections in the State.

(ii) EC ratified the financial sanction of Rs. 2.68 crores for three (03) exploration proposals at Sl. no 1 to 3.

(iii) EC approved financial sanction of Rs. 26.08 crores for 11 projects (Sl. No. 4 to 14) of mineral exploration.

Agenda 43.4: Approval for procurement of machinery/equipment/software etc. from NMET fund by DGM, Kerala

Chairman TCC-1 apprised that Department of Geology and Mining (DGM), Kerala, has submitted a proposal with total estimated cost of Rs. 9.95 crore, for the procurement of machinery, laboratory equipment, instruments, etc., aimed at enhancing mineral exploration activities. The details of items to be procured by DGM, Kerala are as under:

S.No.	Item	Quantity	Estimated Cost per unit (Rs. In Lakh)	Total Estimated
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				Cost (Rs. In Lakh)
(A)	(B)	(C)	(D)	(E)
1.	Polarizing Microscope With Camera and Software	1	20	20
2.	Petrographic Thin Section Unit	1	50	50
3.	Crawler Mounted Drill Rig with Associated Accessories	3	150	450
4.	WD XRF and Accessories	1	350	350
5.	Vibratory Disc Mill with Grinding Sets	12	8.33	100
6.	Certified Reference Material	30	0.83	25

The TCC-1 at its 78th meeting had reviewed the proposal and recommended the procurement of Polarizing Microscope with Camera and Petrographic Thin Section Unit (Sl. No. 1 & 2) with a cost of Rs. 70 lakh to EC for approval. Further, TCC-1 advised DGM, Kerala to review the cost of the items mentioned at Sl. No. 3-6 and present the proposal in the 79th TCC meeting of NMET for further recommendation.

Decision of EC: EC instructed DGM, Kerala to review the specification of the instruments at Sl. No. 3-6 and resubmit the proposal to TCC within 15 days for consideration.

Agenda 43.5: Approval of additional cost/cost revision of ongoing exploration/procurement project proposals

TCC-1 and TCC-2 have recommended cost revision of following 11 ongoing projects for approval of EC.

S. No.	Block/Project	Agency	Approved cost (in Rs Cr.)	Revised cost (in Rs Cr.)	Additional Cost (in Rs Cr.)	Remarks
1	Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Area	Engeotech Consultants	0.70	1.04	0.34	Additional drilling of 180 m

	in Katni District of Madhya Pradesh					
2	Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Reldi Moti area Kachchh District, Gujarat	Critical Mineral Trackers	0.55	0.72	0.17	Change from outsourced drilling to in-house drilling
3	Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Lakhond area, Kachchh District, Gujarat	Critical Mineral Trackers	0.60	0.69	0.09	Change from outsourced drilling to in-house drilling
4	Preliminary Exploration (G3) for Iron Ore in Amhawa Block, Sidhi, Madhya Pradesh	Maheshwari Mining Pvt. Ltd.	3.97	4.09	0.12	Addition of geophysical survey (magnetic method)
5	Reconnaissance Survey (G4) for Mailar Base Metal - Gold Prospect Block in Mailar area, Lalitpur district, Uttar Pradesh	Geovale Services Pvt. Ltd.	3.25	3.64	0.39	Additional drilling of 200m
6	Preliminary Exploration (G3) for magnetite and associated Vanadium mineralization in Khursipar block, Dist-Gondia, Maharashtra	MECL	2.73	2.71	-0.02	The area is reduced from 3.1 km ² to 2.8 km ²
7	Preliminary Exploration (G3) for Aluminous Laterite and associated Critical Elements (V, Ga, & REE) in Mundalli Block, Uttara Kannada District, Karnataka	Geo Marine Solutions Pvt. Ltd.	0.91	0.97	0.06	Additional drilling of 50 m
8	Reconnaissance Survey (G4) for Kanapulisi Graphite Block (98.3 sq.km.), District Rayagada, Odisha	MMPL	1.69	1.66	-0.03	Quantum of Land crop compensation, approach road to drilling site and chemical analysis was reduced

9	Reconnaissance Survey (G4) for REE & RM (Sc, Nb) mineralization in Samalpatti Block (28.5 sqkm extent), District Krishnagiri, Tamil Nadu	KIOCL	1.32	1.34	0.02	Additional EPMA studies and chemical analysis
10	Preliminary Exploration (G3 stage) for Limestone in Northwest of Boro Lakhindong Block, Dima-Hasao district, Assam	MMPL	3.12	3.113	-0.007	Change in the rates of chemical analysis
11	Reconnaissance Survey (G4) for Graphite in Ranibandh Area, Bankura, West Bengal	MMPL	1.43	1.36	-0.09	Change in quantum of laboratory studies, drilling, pitting, trenching

Decision of EC: EC accorded approval for cost revision of above 11 ongoing exploration projects.

Agenda 43.6: Approval of surrender/pre-closure of ongoing exploration project proposals

TCC-1 and TCC-2 have recommended the pre-closure of following 09 mineral exploration projects:

S. No.	Block/Project	Agency	Approved cost (in Rs Cr.)	Duration in months	Expenditure incurred (in Rs Cr.)	Reason
1	Preliminary Exploration (G3) for Limestone in Sawalhira (East) Block, District Chandrapur, Maharashtra	Gemco Kati Exploration Private Limited	0.87	10	0.69	Analytical results did not show promising values
2	Preliminary exploration (G3) for Manganese in Rongha block, District Bhandara, Maharashtra	DGM Maharashtra	0.90	15	0.36	Forest clearance issue
3	Preliminary exploration for Limestone in Savalhira block (4.04 km ²), District Chandrapur, Maharashtra	DGM Maharashtra	0.74	15	0.29	Forest clearance issue

4	Preliminary Exploration (G-3) for Limestone in Jaharitola (3.34 km ²) & Mundatola Blocks (4.34 km ²), Sundargarh District, Odisha	MECL	2.86	12	1.14	80% area is covered with soil
5	Preliminary Exploration (G3) (Phase-1) for Gold in Kudrekonda Area by Geophysical Survey, Devangere District, Karnataka	MECL	2.45	12	1.96	Public agitation
6	Reconnaissance Survey (G4) for coal in West of Ghughus & Bellora Block, Wardha Valley CF, Maharashtra	CMPDI	2.16	12	1.73	No coal seams have been encountered in 2 bore holes.
7	Preliminary Exploration (G-3) for Iron, Manganese and Associated Minerals in Tindni area (7.4 Km ²) Jabalpur district, Madhya Pradesh	MECL	3.69	15	0.30	Low Iron values in the block
8	Preliminary Exploration (G3) for Iron- PGE and associated minerals in Chitrangi Block (5.00 km ²), Districts: Singrauli, State: Madhya Pradesh	MECL	1.96	12	0.42	Low Iron values in the block
9	Reconnaissance Survey for Coal in Khapia block, North Karanpura CF, Hazaribagh district, Jharkhand	CMPDI	1.61	12	0.65	Local Agitation

Decision of EC: EC accorded approval for pre-closure of above 08 (except Sl. No. 4) exploration projects.

As regard, preclosure of preliminary exploration (G-3) for Limestone in Jaharitola (3.34 km²) & Mundatola Blocks (4.34 km²), Sundargarh District, Odisha, MECL informed that initially the block was taken up for limestone exploration, but during exploration it was

observed that the block contains dolomite (which is a minor mineral). Subsequently, MECL has applied for preclosure of the block citing the reason that dolomite is a minor mineral. **EC instructed MECL to take special permission from NMET to explore dolomite (a minor mineral) and complete the project.** EC further instructed that if there is any other such block where dolomite is present instead of limestone and exploration has been started, special permission can be taken from NMET to complete that exploration project too.

[NMET and MECL]

Agenda 43.7: Approval of timeline extension of ongoing projects

TCC-1 and TCC-2 have recommended the following 31 ongoing proposals for extension of timeline for approval of EC:

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
1	Reconnaissance Survey (G4) for polymetallic mineralization (Au, Cu, Ni, Co) in Dharwar Shimoga Schist Belt of Nagavanda area Davangere, Haveri and Shimoga District, Karnataka	KIOCL	31.5.2025	31.7.2025 (2 months)	GR submission
2	Preliminary Exploration (G3) for Iron and Manganese mineralization in Ramghad Block, Bellari District, Karnataka	Ecomen Mining Pvt. Ltd.	09.06.2025	09.12.2025 (6 months)	For completion of project
3	Reconnaissance Survey (G4) for Glauconitic sandstone in Parsada-Nawapara-Gurur area (146.27 sq.km), Balod District, Chhattisgarh	MECL	09.06.2025	09.09.2025 (3 months)	For completion of drilling and submission of report
4	Procurement of Ore/Polarizing Microscope with Transmitted/Incident Light and oil immersion objectives	DMG Karnataka	31.03.2025	15.06.2025 (2.5 months)	For completion of procurement project
5	Preliminary Exploration (G3) for Limestone in Alda Block, Raipur & Balodabazar- Bhatapara Districts, Chhattisgarh	DGM Chhattisgarh	30.06.2025	31.07.2025 (1 month)	GR submission

6	Preliminary Exploration (G3) for gold and associated minerals in Sirigeri Block, Ballari district, Karnataka	DMG Karnataka	14.06.2025	14.12.2025 (6 months)	For completion of drilling and submission of report
7	Reconnaissance Survey (G4) for Kanapulisi Graphite Block (98.3 sq.km.), District Rayagada, Odisha	MMPL	30.06.2025	15.07.2025 (15 days)	GR submission
8	Reconnaissance Survey (G4) for Graphite in Darukona area, District Rayagada, Odisha	MMPL	30.06.2025	15.07.2025 (15 days)	GR submission
9	Preliminary Exploration (G3) for Gold in Kudrekonda area by Geophysical Survey, Devangere District, Karnataka	MECL	26.02.2025	15.07.2025 (1.5 months)	GR submission
10	Preliminary exploration (G3) for limestone in Adegaon Block (5.35 sq. km.), District Yavatmal, Maharashtra	MECL	21.06.2025	31.07.2025 (1month)	GR submission
11	Reconnaissance Survey (G4) for Gold in Bargur area, Bargur belt of Kolar Schist belt, District Krishnagiri, Tamil Nadu	MECL	26.05.2025	25.10.2025 (5 months)	For completion of project
12	Preliminary exploration (G3) for Graphite in Arasanur East Block (1.93 sq. km.), District Shivaganga, Tamil Nadu	KIOCL	09.06.2025	31.12.2025 (7 months)	For completion of project
13	Reconnaissance Survey (G4) for Iron Ore in Arewada – Hitapadi Block (27 sq km), District Gadchiroli, Maharashtra	Gemco Kati Exploration Pvt. Ltd.	05.07.2025	31.08.2025 (2 months)	GR submission
14	Preliminary Exploration (G3) for Ramghad Iron and Manganese mineralization near Ramghad Village, District Ballari, Karnataka	Ecomen Mining Pvt Ltd.	09.06.2025	31.12.2025 (7 months)	For completion of project
15	Preliminary Exploration (G3) for Limestone in Lodhva Block, Gir Somnath District, Gujarat	CGM Gujarat	21.06.2025	31.12.2025 (6 months)	For completion of project

16	Preliminary Exploration (G3) for Limestone in Matana Block, Gir Somnath District, Gujarat	CGM Gujarat	21.04.2025	31.12.2025 (7 months)	For completion of project
17	Preliminary Exploration (G3) for Limestone in Simar Block, Gir Somnath District, Gujarat	CGM Gujarat	21.04.2025	31.12.2025 (7 months)	For completion of project
18	Detailed Exploration (G3) for Limestone in Bolas Block, Gir Somnath District, Gujarat	CGM Gujarat	21.04.2025	31.12.2025 (7 months)	For completion of project
19	Preliminary Exploration (G3) for Glauconitic Sandstone in Deulha Block (8.5 sq. km), Satna District, Madhya Pradesh	MECL	03.03.2025	30.09.2025 (7 months)	For completion of project
20	Preliminary Exploration (G3) for Glauconite Sandstone in Jhari Block (5.1 sq. km), Satna District, Madhya Pradesh	MECL	03.03.2025	30.09.2025 (7 months)	For completion of project
21	Preliminary Exploration (G3) for Bauxite, Titanium and associated minerals in Anvrapat Block (1.00 sq. km), Lohardaga District, Jharkhand	MECL	22.06.2025	30.09.2025 (3 months)	For completion of project
22	Reconnaissance Survey (G4) for Manganese and associated minerals in Katori Jhiriya Block (140.22 sq. km), Balaghat District, Madhya Pradesh	MECL	31.03.2025	30.10.2025 (7 months)	For completion of project
23	Reconnaissance Survey (G4) for PGE, Gold & REE in Maneri-Sitapala Block, Balaghat District, MP	Gemcokati Exploration Pvt. Ltd.	31.03.2025	30.06.2025 (3 months)	GR Submission
24	Reconnaissance Survey (G4) for PGE, Vanadium & associated minerals in Bhursadongari - Murum Block (100 Sq Km), Balaghat District, Madhya Pradesh	Gemcokati Exploration Pvt. Ltd.	30.06.2025	29.08.2025 (2 months)	GR Submission

25	Reconnaissance Survey (G4) for Graphite in Ranibandh Area, Bankura, West Bengal	MMPL	10.07.2025	31.07.2025 (21 days)	GR Submission
26	Reconnaissance Survey (G4) for Mailar Base Metal-Gold Prospect Block in Mailar area, Lalitpur district, Uttar Pradesh	Geovale Services Private Limited	11.06.2025	31.10.2025 (4.5 months)	GR Submission
27	Reconnaissance Survey (G4) for Basemetal in Thal Didihat- Askot region, Pithoragarh district, Uttarakhand	Geovale Services Private Limited	11.06.2025	31.10.2025 (4.5 months)	GR Submission
28	Reconnaissance Survey (G4) for REE Exploration in Bhuj Clay Prospect Block, Kachchh District, Gujarat	Geovale Services Private Limited	30.06.2025	31.10.2025 (4 months)	GR Submission
29	Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/instruments etc. aimed at enhancing the exploration Activities (Project 1)	DGM Assam	31.05.2025	30.09.2025 (4 months)	For project completion
30	Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/instruments etc. aimed at enhancing the exploration Activities (Project 2)	DGM Assam	31.05.2025	30.09.2025 (4 months)	For project completion
31	Reconnaissance Survey (G4) for Iron Ore in Mahakoshal Group around Chakdiya, Kushaniya, Jobra and Tusgaon area, Sonbhadra district, Uttar Pradesh	M/s GeoExpOre Pvt. Ltd.	26.05.2025	25.11.2025 (6 months)	GR Submission

Decision of EC: While EC accorded approval of timeline extension of 31 exploration projects, it expressed its displeasure over the delay in several sanctioned projects on account of unnecessary delay in ongoing projects due to forest clearance, as reported by agencies. In view of several such instances in the state of Madhya Pradesh, EC instructed

that a DO letter be written to Chief Secretary, Madhya Pradesh to resolve the matter. For other States also, NMET was instructed to follow up with state DGMs for timely issue of Forest Clearance.

[NMET]

Agenda 43.8: Approval of new RMT (Regional Mineral Targeting) project proposals recommended by the Technical-cum-Cost Committees (joint TCC)

TCC-1 and TCC-2 at their joint meeting had recommended the following 5 RMT projects with an estimated cost of Rs 39.62 crore and duration of 24 months for each proposal for approval of EC:-

<i>Amount in Rs. Crore</i>						
Projects recommended by joint TCC						
Sl. No	Project/Block Name	Area (in km²)	Agency	Commodity	Duration (in months)	Cost
1	Regional Mineral Targeting and integrated mineral system studies to target potential mineralization in Proterozoic rocks of Amgaon Gneissic Complex, Dongargarh Granites, Dongargarh Supergroup, Bijli Rhyolite, Bailadila Group, in parts of Kanker, Rajnandgaon Narayanpur Districts, Chhattisgarh	1560	UEIPL	REE, RM, Critical Minerals, Iron, Copper & Gold	24	5.43
2	Regional Mineral Targeting in Madanpur-Rampur-Kankatru areas to identify prospective blocks of REE, Base Metal & other mineralization in Kalahandi District, Odisha	1087	NRD-TATA	REE, Base Metal & other mineralization	24	5.24
3	Regional Mineral Targeting in parts of AMGC and	2175	MMPL		24	17.82

	associated granites for identification of prospecting blocks in West Khasi Hill and East Garo Hill Districts, Meghalaya			Sillimanite, REE, Tungsten, Molybdenum, and Lithium		
4	Regional Mineral Targeting for Manganese, Graphite, Tungsten, Cobalt, REE and associated critical minerals in parts of Alluri Sitharama Raju District, Andhra Pradesh	1450	CMT	Manganese, Graphite, Tungsten, Cobalt, REE and associated critical minerals	24	6.21
5	Regional Mineral Targeting and integrated mineral system studies for identification of prospective blocks for Graphite, Niobium, REE and associated mineralisation in Yellikod-Azhikod areas, near Achankovil shear zone, Southern Granulite Terrain, Kerala and Tamil Nadu	999	Geomarine Solutions Pvt. Ltd.	Graphite, niobium, REE and associated mineralisation	24	4.92
					Total	39.62

Decision of EC: EC instructed that (i) atleast one DDG level officer from the respective region may be nominated as mentor for each project to assist the NPEAs in carrying out exploration in these RMT blocks; (ii) the project cost at Sl. No. 3 may be kept as tentative and the cost may be further re-evaluated once the new Schedule of Charges of NMET is finalized.

Agenda 43.9: Ratification of projects

Chairman, EC had accorded approval for following proposals for early execution and timely completion of the projects :

Sl. No.	Title of the project	Agency	Type of project	Duration	Approved amount (Rs. in cr.)
1	Procurement of Magneto-Telluric (MT) instruments, semi-rugged laptops, software and workstations by GSI	GSI	Procurement	14	31.16
2	Establishing Advanced Geophysical Laboratory at Geological Survey of India Training Institute (GSITI)	GSI	Procurement	12	3.53
				Total	34.69

Decision of EC: EC ratified the two projects.

Additional Discussion

- a. **Shri Alok Sharma, Technical Expert** pointed out that NMET has taken up around 550 exploration projects in last 10 years, creating a dearth of blocks for mineral targeting. Taking up RMT projects through NPEAs is a good initiative in this direction. It will improve availability of areas for prospecting, but will need to be executed in best way for good results.
- b. **Shri Naresh Nautiyal, Technical Expert** informed that a number of mineral blocks have been successfully auctioned by the Government. While this is encouraging, it also needs to be ensured that mining in these blocks is expedited so that revenues could be generated. The hurdles that these blocks are facing in terms of statutory clearances need to be addressed by the Government to enable early start of mining. Chairman, EC informed that this year the Government is trying to operationalize a number of auctioned blocks and Ministry of Mines has announced an interesting scheme that if any State operationalizes 10% of the auctioned blocks then an incentive of Rs. 300 crores will be given to the State.

- c. **Shri L. S. Shekhawat, Technical Expert** informed that (a) processed lamproite rocks from which diamonds have already been extracted like Chelima lamproite where such processed material is present over 3 square kilometres together with non-diamondiferous lamproites like lamproites of Damodar valley coal fields, should be investigated further for their critical elements content as is envisaged for tailings of basemetals and precious metals in the National Critical Mineral Mission document; (b) further, based on study/review of two reports of investigations funded by NMET it was observed that there is unacceptable level of difference in the values of individual elements of interest in the analytical data of samples and corresponding analytical data of check samples. NMET was requested to address the issue by means of developing a suitable Standard Operational Procedure (SOP). EC advised (i) to develop a mechanism/SOP to monitor the results of check samples to minimize the discrepancies and maximize the outcome; (ii) further, EC advised **DG, NMET to take a review of the CMPDI and IBM project on *geochemical analysis of samples drawn from mine faces, mineral stacks, dumps, tailings, process samples and smelter slags across the country***, to assess whether more such projects can be taken up for funding.

[NMET]

- d. **Prof. Sahendra Singh, Technical Expert** suggested to include all the high-resolution techniques like LA-ICP-MS for trace elements analysis, High Resolution Transmission Spectroscopy, Focussed Ion Beam -Scanning Electron Microscopy, High Resolution Transmission Spectroscopy, Atomic Force Microscopy, X-Ray Photoelectron Spectroscopy, Core Hyperspectral Scanning, Mineral Liberation Analyzer, TESCAN Integrated Mineral Liberation Analysis for the investigation of ore samples at nanoscale in the Schedule of Charges being revised by NMET.

[NMET]

- e. **Dheeraj Pande, Director AMD** mentioned that the list of equipments along with their specifications can be posted on NMET website on the pattern of Department of Science and Technology (DST) portal. This would be beneficial for all the agencies to frame the specification of instruments while make procurements. He also pointed that RMT blocks comprise of huge area upto 2000 km² and within the block there is

every possibility that a number of exploration projects might have been executed. Accordingly, **the overlapping areas should be excluded from the RMT blocks and exploration be targeted only in the leftover areas.**

EC instructed to upload the details of instrument along with specifications on NMET website and also on the website of DST.

In the concluding remarks, Chairman, EC commented that with the proposed amendment in the MMDR Act, the scope of NMET is going to increase exponentially to include exploration in offshore areas and overseas. Accordingly, NMET should be ready to take up the new challenges.

Annexure-1**List of Participant**

S.No	List of Members	Position	Name of Member in Position	Mode of Joining
1	Secretary, Ministry of Mines	Chairperson, ex officio	Shri VL Kantha Rao	Physical
2	Director General of Geological Survey of India	Member, ex-officio	Shri Asit Saha	Online
3	Director General National Mineral Exploration Trust	Member Secretary, ex-officio	Shri. Pankaj Garg	Physical
4	Representative Controller General of Indian Bureau of Mines or any representative	Member, ex officio	Shri S K Adhikary, Chief Mining Geologist	Online
5	An officer not below the rank of Joint Secretary, Dept. of Atomic Energy	Member, ex officio	Shri Dheeraj Pande, Director, AMD	Online
6	Representative of Joint Secretary, Ministry of Coal	Member, ex officio	Birendra Kumar Thakur Director	Online
7	Representative of Joint Secretary, Ministry of Petroleum and Natural Gas	Member, ex officio	Shri. Alok Kumar Dy. Secretary	Online
8	Representative of Additional Secretary and Financial Advisor of Ministry of Mines or Coal	Member, ex officio	Shri Alok Kumar, Dy. Secretary	Physical
9	Madhya Pradesh	Members, ex officio	Vivek Nema Deputy Director DGM, MP	Online

10	Maharashtra	Members, ex officio	Dr. T R K Rao DG	Online
11	Rajasthan	Members, ex officio	O. P. Jangid, Sr. Geologist	Online
12	Tamil Nadu	Members, ex officio	K Deepa, Jt. Director Mythili, Asst. Director	Online
Technical Expert				
13	GM (Exploration) (Retd.), CMPDIL		Shri Alok Sharma	Online
14	Head (Business Development & Planning) (Retd.), MECL		Shri Naresh Nautiyal	Online
15	Scientist-H, Atomic Minerals Directorate for Exploration and Research (Retd.)		Dr. Yamuna Singh	Online
16	Dy. Director General (Retd.), Geological Survey of India		Dr. Laxman Singh Shekhawat	Online
17	Professor, Department of Applied Geology, Indian Institute of Technology (ISM)		Dr. Sahendra Singh	Online
Invitee				
18	Dy. Director General & Chairman, TCC-1	Invitee	Dr. S Ravi	Physical
19	Dy. Director General & Chairman, TCC-2	Invitee	Shri Pradeep Singh	Physical
20	Director (Tech), MoM	Invitee	Shri Yogendra Singh Bhamboo	Physical
21	CMD, MECL	Invitee	Shri I. D. Narayan	Online
22	QCI-Nabet	Invitee	Jagminder Katariya	Online
NMET Secretariat				

23	Smt. Geetika Sharma	NMET	Director (Project) & HoD, NMET	Physical
24	Sebabrata Das	NMET	Sr. Geologist	Physical
25	Palak Kapoor	NMET	Sr. Geologist	Physical
26	Ravi Dutt	NMET	Cost and Account Officer	Physical
27	Dr. Rajesh Sharma	NMET	Sr. Geologist	Physical

07

NQT Revision OM No. 375

Government of India
Ministry of Mines
National Mineral Exploration and Development Trust

F.No.23/563/2025-NMET 1375

New Delhi, 12th Sept., 2025

REVISED OFFICE MEMORANDUM

Subject: Additional cost for project "Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh".

Agency: M/s Engeotech Consultants

On the recommendation of Technical-cum-Cost Committee (TCC) of NMEDT, the Executive Committee (EC) in its 39th meeting held on 24th January, 2025 had approved the mineral exploration project "Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh" with timeline of 10 months at an approved cost of ₹70,14,523/- (including GST).

2. On the request of M/s Engeotech Consultants, the Executive Committee (EC) of NMEDT in its 43rd meeting held on 14th August, 2025 accorded approval of additional cost of ₹ 33,44,280/- (₹ Thirty three lakh forty four thousand two hundred eighty only).

3. The total approved cost of the project is revised as under:-

S. No.	Project/Block Name	Commodity	Stage	Duration (Months)	Revised Cost (including GST).
1	Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh	Limestone	G4	10 months (up to 06.12.2025)	₹1,03,58,803/-

(₹ One crore three lakh fifty eight thousand eight hundred three only)

4. The uploading of final Geological Report (GR) on NGDR portal is sole responsibility of the exploration agency. The final payment will be made only after receiving the confirmation of the same. The screenshot/acknowledgement of successful uploading of GR is to be submitted to NMEDT with the final bill.

5. The other conditions of the earlier issued OM No. 843 dt. 10.02.2025 remain same.

Yours faithfully,



(Geetika Sharma)
Director (Project) & HoD, NMEDT

Copy for information and further necessary action:-

1. M/s Engeotech Consultant.
2. I.F. Division, Ministry of Mines, Shastri Bhawan, New Delhi.
3. Executive Committee (EC) Meeting file (F.No.6/2/2015-NMEDT)
4. The Chairman, TCC, NMEDT
5. Grant-in aid Sanction order file

Revised Cost of Estimated Cost for Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Area in Katni District of Madhya Pradesh,
 Area 22.52 sq. km, No. of BH: 09, Borehole depth range- 30/50 m; Schedule timeline- 10 months Review: After 3 Months

Implementing Agency: Engeotech Consultants

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Original Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	Qty.	Total Amount (Rs)	
A	Geological Mapping (1:12500) & Other Geological Work								
1	Charges for Geologist man days for LSM and & sampling	day	1.2.b	11,000	90	9,90,000	90	9,90,000	2 geologists x 45 days each
2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
3	Charges for Geologist per day (HQ) for data interpretation and Map preparation	day	1.2.a	9,000	60	5,40,000	60	5,40,000	
	Sub Total- A					16,24,680		16,24,680	
B	Survey work								
1	Charges of Surveyor for survey layout work & Block boundary demarcation	per day	1.6.1a	8,300	45	3,73,500	45	3,73,500	2 surveyors x 45 days each

2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
3	DGPS Survey for boundary pillar, BH fixation & RL determination	Per Point	1.6.2	19,200	16	3,07,200	22	4,22,400	13 Boundary Pillars & 09 BH
	Sub-Total B					7,75,380		8,90,580	
C	Mineral Investigation								
1	Excavation of Pit upto 2.0 m depth	per cu.m.	2.1.2	3,800	18	68,400	18	68,400	3 pits (1x1x6)
	Sub-Total C					68,400		68,400	
D	DRILLING								
1	Drilling up to 300m (Soft Rock)	m	2.2.1.1a	7,168	110	7,88,480	290	20,78,720	8 BHx30M each & 1 BHx50M
2	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	3	6,000	9	18,000	
3	Transportation of Drill Rig & Truck associated per drill (1 rigs)	Km	2.2.8	36	300	10,800	300	10,800	As per actuals
4	Monthly Accommodation Charges for drilling Camp	month	2.2.9	50,000	2	1,00,000	2	1,00,000	
5	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	2,50,000	
6	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	1	2,50,000	
7	Road Making (Flat Terrain)	Km	2.2.10a	22,020	1	22,020	1	22,020	As per actuals
8	Drill Core Preservation	per m	5.3	1,590	110	1,74,900	150	2,38,500	
9	Sample Processing	per day	1.5.2	5,100	19	96,900	33	1,68,300	To be discussed

10	Labours Charges; Base rate	day	5.7	526	76	39,976	132	69,432	526*76+ 541*40=61,616 New rate will be applicable only on the difference in samples (earlier sanctioned samples will be charged on previous rates)
11	Land/Crop Compensation	per BH	5.6	20,000	3	60,000	9	1,80,000	
	Sub Total D					17,99,076		33,85,772	
E	Borehole Geophysical Logging & Sampling								
1	Logging & Sampling	per day	1.2.b	11,000	-		-	-	
	Sub Total E							-	
F	LABORATORY STUDIES								
	Chemical Analysis								
1	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)	Nos	4.1.1	8,157	150	12,23,550	240	19,57,680	200 drilling and 40 BRS sample
	External Check samples (10 percent)	Nos	4.1.1	8,157			24	1,95,768	
	<u>Physical & Petrological Studies</u>								
2	Preparation of thin section	Nos	4.3.1	2,353	5	11,765	5	11,765	
3	Study of thin section	Nos	4.3.4	4,232	5	21,160	5	21,160	
4	Digital Photographs	Nos	4.3.7	280	10	2,800	10	2,800	
5	Bulk Density	Nos	4.10	3,540	5	17,700	5	17,700	
	Sub Total F					12,76,975		22,06,873	
G	Total A to F					55,44,511		81,76,305	

H	Geological Report Preparation	5 Hard copies with a soft copy	5.2	Exploration cost exceeding 50 lakh but less than 150 lakh: A Minimum of ₹2.5 lakh or 5% of the work whichever is more		2,50,000		4,08,815	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
I	Peer review Charges		As per EC decision			30,000		30,000	
J	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is less		1,20,000		1,63,526	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
K	Total Estimated Cost without GST					59,44,511		87,78,646	
L	Provision for GST (18% of J)					10,70,012		15,80,156	GST will be reimburse as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					70,14,523		1,03,58,803	
				or Say Rs. In Lakhs		70.15		103.59	
Note:									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.								

3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.




08

2nd Review in 19th TCC-II
(1 BH drop & timeline
extension)

Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 19th meeting of Technical-cum-Cost Committee - II (TCC - II)
held on 16th & 17th December 2025

The 19th meeting of Technical-cum-Cost Committee–II (TCC-II) of National Mineral Exploration and Development Trust (NMEDT) was held through video conferencing under the Chairmanship of Shri Pradeep Singh, Deputy Director General (DDG), Geological Survey of India (GSI) and Chairman, TCC-II, NMEDT held on 16th & 17th December 2025.

Members of TCC-II, NMEDT and representatives from M/s Vardan Environet LLP, DGM Jammu and Kashmir, Central Mine Planning & Design Institute Limited (CMPDI), M/s Critical Mineral Trackers (CMT), M/s Gemcokati Private Limited, Mineral Exploration and Consultancy Limited (MECL), M/s Engeotech Consultant, Madhya Pradesh State Mining Corporation Limited (MPSMCL) have attended the meeting through video conferencing mode. The list of participants is at **Annexure-1**.

Shri Pradeep Singh, DDG, GSI and Chairman, TCC-II, NMEDT warmly welcomed all TCC-II members and every participant representing from State DGM, Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs). Shri Pradeep Singh informed the TCC-II committee members and all meeting participants that the revised Schedule of Charges (SoC) of NMEDT has been approved by the Hon'ble Secretary, Ministry of Mines, Government of India. The new SoC will come into effect from 15 December 2025.

19.1 Technical Evaluation of New Project Proposals

Agenda 19.1.1 Reconnaissance Survey (G4) for copper and associated mineralization in Salwari-Narsinghpuri-Pachlagi Area, Sikar District, Rajasthan.
[Implementing Agency: M/s Vardan Environet Llp]

- a) The proposed exploration area, covering an area of 24.01 sq. km, is located on Survey of India Toposheet No. 45M/10 and falls within parts of Sikar District, Rajasthan. In-principle-approval was given for this proposal in 7th TCC-II meeting held on 24th & 25th March 2025. The project was recommended in 12th meeting of TCC-II held on 22nd, 25th, 26th and 27th August 2025.
- b) M/s Vardan Environet LLP informed that the proposed area lies within the southern part of the Khetri belt, where Uranium mineralization is currently being mined by UCIL at the Rohil site. This deposit also features an average copper content of 1500 ppm. The Geological Survey of India (GSI), during its field season 2015–16, conducted a Large-Scale Mapping (LSM) in part of the proposed G-4 exploration block. Five samples from this study reported copper values ranging from 0.36% to 3.45%, along with molybdenum concentrations up to 201.11 ppm and one sample indicating a TREE (Total Rare Earth Elements) value of 0.5%. Geophysical investigations by GSI (2016) in the north-eastern Narsinghpuri area have identified induced polarization (IP) chargeability anomalies with strike lengths between 1 km and 1.5 km, corroborated by 2 ground magnetic surveys. Based on these geophysical results, GSI also recommended drilling in two boreholes in the Salwari area. Additionally, a heliborne survey conducted by AMD identified conductive zones within the same region. Several boreholes drilled by AMD, and core samples studied by GSI (FS 2015–16), revealed multiple sulphide-bearing zones containing pyrite, pyrrhotite, covellite, and chalcopyrite. In the central part of the proposed block, GSI's detailed mapping in the



Chokari–Bamnara area reported copper values ranging from 440 ppm to 0.36% across two channels in the northern portion of the mapping area, along with moderate TREE values. Further, while exploring for iron in the Pachlagi–Dhaniyal area, MECL drilled a borehole at the northern end of the current block. This borehole intersected two copper mineralized zones, with copper grades of 0.14% and 0.37%, respectively. During field investigation conducted by agency out of four samples collected in November 2024, one sample yielded a notably high copper value of 2930 ppm, along with elevated vanadium (2588 ppm) and titanium dioxide (TiO₂) content of 27.03%. These results supported the presence of sulphide mineralization in the area

- c) However, comments from DMG Rajasthan were pending during the meeting. In the 1st Project Sanctioning Committee (PSC) meeting held on 9th October 2025, this proposal was deferred as DMG Rajasthan provided their consent for the proposal by excluding partially overlapped area. In view of this, the project was referred back to TCC-II based on the comments of DMG, Rajasthan to exclude the area and accordingly revised the proposal.
- d) During 16th TCC-II meeting held on 3rd and 6th November Vardan Environet Llp informed that they have revised the proposal by excluding the partially overlapped area with mining leases and Aravalli area. Total area reduced to 24.01 sq. km. from initially proposed 28.48 sq. km. About 1.52 sq. km. area falls in Salwari Protected Forest. The committee deferred the proposal and asked the agency to remove the overlapping area with the MECL block and submit the revised block in the upcoming TCC-II meeting.
- e) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	Informed that the based on the GSI work, the surface mineralization in the area is in the form of isolated pockets and restricted to albitite and hornblendite rocks. As G4 stage work is already carried out in the proposed area, therefore, a G4 stage investigation as proposed by M/s Vardan Environet LLP may be repetition of G4 stage work.
2	DMG Rajasthan	Consent for exploration may be given in the said area and NPEA may be advised get necessary clearances/permission from Forest Department, Government of Rajasthan by themselves.
3	MECL	Informed that the proposed block by M/S Vardaan Environet LLP is overlapping around 20 % with Kanawat-Chala-Karath-Bagholi Area G4 block for Iron exploration of MECL.

- f) The coordinates of the proposed area are given below.

Cardinal Point (Salwari Project)		
Point	Latitude (dd mm ss)	Longitude (dd mm ss)
A	75°39'40.271"E	27°44'28.699"N
B	75°39'52.533"E	27°43'41.152"N
C	75°38'25.620"E	27°41'25.940"N
D	75°35'47.833"E	27°38'33.754"N
E	75°35'00.010"E	27°39'12.925"N
F	75°36'19.040"E	27°40'36.967"N
G	75°35'33.360"E	27°41'12.383"N
H	75°36'18.925"E	27°41'59.904"N
I	75°36'57.423"E	27°41'37.711"N

- g) The Committee opined that, the Kanawat block of MECL (G4) in the northern part of the proposed area pertains to iron investigation. Further, the MECL block has also shown good values for basemetals. The committee, therefore decided that the proposed area may be retained as submitted by the NPEA. The existing mineral occurrence information may be incorporated during the course of exploration from the Geological Report (GR) of MECL.
- h) The TCC-II agreed for total 1500m drilling in 6 boreholes with average depth of 250m each. However, the committee opined that the project will follow a phased implementation approach. In Phase-1, only 3 boreholes will be drilled with depth of 250m each as per GSI recommendation. Subsequent drilling will be after review.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for "Reconnaissance Survey (G4) for copper and associated mineralization in Salwari-Narsinghpuri-Pachlagi Area, Sikar District, Rajasthan" with an estimated cost of ₹284.86 Lakh (including GST) within the time schedule of 10 months and submission of the report as per Annexures 2A & 2B. The item will be reviewed after 5 months. Total 6 boreholes planned, each borehole 250m depth. In first phase 3 boreholes to be drilled as per GSI recommendation. Subsequent drilling will be after review.

**Reconnaissance Survey (G4) for copper and associated mineralization in Salwari-Narsinghpuri-Pachlagi Area,
Sikar District, Rajasthan**

Area: 24.01 Sq. Km, No. of BH: 6 (Avg. depth: 250 m each = Total 1500m), Timeline- 10 Months,

Review: After 5 Months

Implementing Agency: Vardan Environet Llp

Sl. No.	Item of Work	SoC Sr. No.	Units	Qty	Cost per unit/ per day/ manday (In Rs.)	Total Amount (In Rs.)	Remarks
1	Geological Mapping (Scale 1:12,500)						
a.	Large scale (LSM) Geological Mapping	1.1	Per sq. km	24	₹ 18,300	₹ 4,39,200	
b.	Charges of Geologist (field)	1.2.1a	Man-days	100	₹ 14,500	₹ 14,50,000	Geological Mapping on 1:12,500 Scale, core logging, sampling (BRS & Core), supervision of trenching and pitting
c.	Labour Charges (2 Helper for each geo)	5.8	Man-days	200	₹ 541	₹ 1,08,200	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
d.	Geologists (HQ) days (1 No)	1.2.1a	Man-days	60	₹ 10,500	₹ 6,30,000	

	Sub Total: - 1					₹ 26,27,400	
2	Survey work-out source						
c.	Demarcation of block boundary & boreholes	1.3.2	Per point	10	₹ 24,000	₹ 2,40,000	6 BHs and 4 boundary coordinates
	Sub Total: - 2					₹ 2,40,000	
3	Trenching/Pitting						
a.	Trenching	2.1.1	cu. m	60	₹ 4,125	₹ 2,47,500	No of sample = 110
b.	Pitting	2.1.2	cu. m	50	₹ 4,725	₹ 2,36,250	
	Sub Total: - 3					₹ 4,83,750	
4	Sample Preparation						
a.	Sampler charges for Sample processing work	1.2.1b	Man-days	39	₹ 7,850	₹ 3,06,150	
b.	Labour (Field days) (4 workers per sampler)	5.8	Man-days	156	₹ 541	₹ 84,396	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total: - 4					₹ 3,90,546	
5	Core Drilling 1500 m/ 6 BH) Outsource						
a.	Drilling up to depth of 400m (HQ- Up to 50m each BH)	2.2.1.1d	Per m	1500	₹ 10,000	₹1,50,00,000	
b.	Borehole Geophysical logging (Natural Gamma)	3.11h	m	1500	₹ 116	₹ 1,74,000	

c.	Borehole deviation survey by Multi shot camera	2.2.5	Per shot	250	₹ 330	₹ 82,500	Borehole Deviation Survey by Multi shot survey tool (interval 6 m; azimuth and inclination to be recorded)
d.	Construction of concrete Pillar (12"x12"x30")	2.2.7	per /BH	6	₹ 2,000	₹ 12,000	
	Borehole plugging by cement	2.2.8	per /BH	6	₹ 10,000	₹ 60,000	
	Drill Core Preservation	5.3	Per/m	500	₹ 1,590	₹ 7,95,000	
	Sub Total: - 5					₹ 1,61,23,500	
6	Laboratory Study-Outsource						
6.1	Bed Rock Samples						
a.	Bed Rock samples by XRF for whole rock analysis	4.1.17a	Nos	10	₹ 4,200	₹ 42,000	
	External Check 10%	4.1.17a	Nos	1	₹ 4,200	₹ 4,200	
b.	Bed Rock samples by ICPMS with U, Th.	4.1.15	Nos	5	₹ 7,400	₹ 37,000	
	External Check 10%	4.1.15	Nos	1	₹ 7,400	₹ 7,400	
c.	Bed Rock samples by AAS (Cu, Pb, Zn, Ni, Co, V, Au, Ag)	4.1.8 a&b	Nos	25	₹ 4,306	₹ 1,07,650	
	External Check 10%	4.1.8 a&b	Nos	3	₹ 4,306	₹ 12,918	
6.2	Drill Core Samples-Outsource						
a.	Drill core samples by ICPMS with U, Th.	4.1.15	Nos	30	₹ 7,400	₹ 2,22,000	
	External Check 10%	4.1.15	Nos	3	₹ 7,400	₹ 22,200	
b.	Drill Core samples by AAS (Cu, Pb, Zn, Ni, Co, V, Au, Ag)	4.1.8 a&b	Nos	100	₹ 4,306	₹ 4,30,600	

	External Check 10%	4.1.8 a & b	Nos	10	₹ 4,306	₹ 43,060	
c.	Density	4.8.3	Nos	10	₹ 2,500	₹ 25,000	
6.3	Trench/Pit Samples- (Outsource)						
a.	Trench samples by ICPMS	4.1.15	Nos	10	₹ 7,400		
	External Check 10%	4.1.15	Nos	1	₹ 7,400	₹ 7,400	
b.	Trench samples by XRF (Major Oxides)	4.1.17a	Nos	100	₹ 4,200	₹ 4,20,000	
	External Check 10%	4.1.17a	Nos	10	₹ 4,200	₹ 42,000	
	Sub Total:- 6					₹ 14,97,428	
7	Petrological studies						
a.	Preparation of thin section	4.3.1	Nos	10	₹ 500	₹ 5,000	
b.	Study of thin section for petrography	4.3.4	Nos	10	₹ 2,800	₹ 28,000	
c.	Preparation of polished section	4.3.2	Nos	10	₹ 800	₹ 8,000	
d.	Study of polished section for mineragraphy	4.3.4	Nos	10	₹ 2,800	₹ 28,000	
	Sub Total: -7					₹ 69,000	
	Total (Sno.1 to 7)					₹ 2,14,31,624	
8	Preparation of Exploration Proposal	5.1		2% of approved project cost		₹ 4,28,632	2% of approved project cost or 5 lakh whichever is lower
9	Geological Report Preparation	5.2(iii)		Total cost of the project exceeding 150 Lakh ₹7.50		₹ 7,50,000	Total cost of the project exceeding 150 Lakh ₹7.50

10	Technical Supervision charge	6				₹ 15,00,000	In case of outsourcing of work, the technical supervision cost shall be 10% of the sum of all outsource work components with a maximum ceiling of 20 lakh.
11	Peer Review charge	As per EC				₹ 30,000	
	Grand Total					₹ 2,41,40,256	
	Add GST @ 18%				18%	₹ 43,45,246	
	Grand Total Including GST					₹ 2,84,85,503	
	Rs in Lakh					₹ 284.86	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

Annexure 2B

Time Schedule/ Action Plan for Reconnaissance Survey (G4) for copper and associated mineralization in Salwari-Narsinghpuri-Pachlagi Area, Sikar District, Rajasthan

S.N.	Activities	Months										
		1	2	3	4	5						
1	Pre-field Study						REVIEW					
2	Geological Mapping											
3	Pitting/Trenching											
4	Topographic Survey											
5	Drilling & Logging											
6	Sampling											
7	Laboratory Study											
8	Petrographic Study											
9	Report Writing											
10	Peer Review & Report Submission											

[Signature]

[Signature]

19.2 Review of Ongoing Procurement Projects & Timeline Extension

Agenda 19.2.1 Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DGM Jammu and Kashmir]

- a) DMG Jammu & Kashmir informed that the project was approved in the 29th EC Meeting held on 31st March 2023. The sanction order was issued on 31st May 2023 with timeline of 12 months up to 30th May 2024 and approved cost was ₹ 1,44,56,000/-
- b) Subsequently, the proposal was discussed in the 11th TCC-II meeting held on 23rd, 24th & 25th July 2025, with an additional session on 30th July 2025, and was approved by the 1st PSC of NMEDT held on 09th October 2025 for an additional allocation of ₹14,18,240/- towards the total procurement cost, along with an extension of the timeline up to 31st October 2025.
- c) DMG, Jammu & Kashmir informed that ₹57,82,400/- was released by NMEDT as 1st instalment, against which ₹43,83,000/- has been utilised until 18 July 2025. Utilisation certificates were submitted to NMEDT on 18th July 2025.
- d) DMG, Jammu & Kashmir requested to release the 2nd instalment of the procurement project and timeline extension for 7 months till 31st May 2026.
- e) The TCC-II agreed to the release of the second instalment for the procurement project and approved an extension of the timeline by seven months, up to 31st May 2026. Subsequently, the Committee advised submission of a justification for the timeline extension to NMEDT.

Recommendation TCC-II

The Committee examined the proposal and recommended approval of the PSC for a timeline extension of seven months, up to 31st May 2026, in view of the revised tendering process required for completion of the said procurement.

19.3 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 19.3.1 Reconnaissance survey (G4) for copper and associated minerals in Kochipur Area District - Sidhi, Madhya Pradesh.

[Implementing Agency: Central Mine Planning & Design Institute Limited (CMPDI)]

- a) CMPDI informed that the project was recommended in 68th TCC meeting held on 28th, 29th, and 30th August 2024, and approved in 37th EC meeting held on 23rd September 2024 with timeline of 10 months (up to 21.08.2025) with approved cost of ₹ 125.13 lakh. Sanction Order was issued on 22nd October 2024. The project was reviewed in 9th TCC-II meeting held on 29th & 30th May 2025. Further, in 12th meeting of TCC-II timeline extension of 4.5 months up to 31st December 2025 was recommended and approved in 1st PSC meeting held on 9th October 2025.
- b) CMPDI informed that geological mapping on 1:12,500 scale of 90sq km have been completed. The agency requested for approval of additional sample analyses. The details as given in tabulated below:-

S.No.	Type of analysis	Sanctioned Quantity	Executed Quantity	Excess Quantity	Rate (in Rs.)	Excess Amount (in Rs)
1	Proximate Analysis for Graphite Trench samples	25	40	15	3000.00	45000.00
2	Preparation of thin Section	10	11	1	2353.00	2353.00
3	Complete Petrographic Study	10	11	1	4232.00	4232.00
					Total	51585.00

- c) The committee asked the agency to give justification and revise the cost sheet. Revised cost sheet to be attached. Further, the agency requested for timeline extension of two (02) months, up to 28th February 2026, for peer review of the GR, followed by presentation before the TCC, approval thereof, and subsequent submission of the GR.

Recommendation TCC-II

- **The committee recommended for approval of the PSC for additional sample analyses amounting to ₹51,585.00. and revised cost ₹ 125.78/- Lakhs. as per Annexure- 3.**
- **Further, the committee also recommended for approval of the PSC for a timeline extension of two (02) months up to 31st February 2026 for peer review of the Geological Report (GR), and subsequent submission of the GR,**

Estimated cost for Reconnaissance Survey for Copper Ore & associated mineralization (G-4 stage) Kubri- Kochipur, District-Sidhi, Madhya Pradesh (Total Block area 90 sq.km (approx);, Drilling- 400m, BH depth- 100m, No of BH- 4, completion time- 12 months, Review-06 month)

Sl. No	Item Work	Item no in SoC	Unit	Rates as per SoC of NMEDT	Qty.	Amount (Rs) In Lakh	Additional Amount in Rs.	Remarks
A	GEOLOGICAL WORK- Geological mapping 1: 12,500							
1a	Geological Party days (1 party) Field	1.2	Day	11000	120	1320000		100 days for Geological Mapping & 50 days for Drilling
1b	Geological Party days (1 party)HQ	1.2	Day	9000	40	360000		
1c	2 labours/ party (Rs 522/day/labour), As per rates of Central labour Commission)	5.7	Day	522	240	125280		Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total A					1805280		
B	Drilling & Sampling- after Review							
2a	Core drilling (Outsourced)- Hardrock	2.2.1.4a	per meter	11500	400	4600000		460000
2b	Sampling - 1 sampler without Labour	1.5.2	Day	5100	40	204000		
2c	4 labours/ party (Rs 522/day/labour, As per rates of Central labour Commission)	5.7	Day	522	160	83520		

	Sub Total B					4887520		
C	SURVEY WORK							
3a	Survey Party days (1 party) without Labour for contouring of mineralized zone	1.6.1a	Day	8300	0	0		
3b	4 labours/ party (Rs 522/day/labour), As per rates of Central labour Commission	5.7	Day	2088	0	0		
3c	Fixation of block boundary & borehole by DGPS	1.6.2	Per point	19200	4	76800		only BH points
3d	Core Preservation	5.3	per m	1590	150	238500		
	Sub Total C					315300		
D	PITTING- TRENCHING							
4a	Pitting (1mx 1m x1m)- 40 no	2.1.2	Cu m	3800	40	152000		
4b	Trenching (1mx 1m x5m)- 8 no	2.1.1	Cu m	3330	40	133200		
	Sub Total D					285200		
E	Laboratory Studies							
	Chemical Analysis/ ICPS Studies							
I	BRS Samples							
7a	Primary Sample for 5 radicals (Cu, Pb, Co, Cr & Ni)	4.1.7a	Per sample	2506	0	0		
7b	Internal (5%) & External (10%) Check samples of 5 radicals	4.1.7a	Per sample	2506	0	0		
7c	Analysis of Gold by Fire assay	4.1.5a	Per sample	2380	15	35700		
7d	Whole rock analysis of Major Oxides	4.1.15a	Per sample	4200	15	63000		

7e	ICP-MS studies for REE (34 element)- i.e. (Cu, Pb, Co, Cr & Ni &REE)	4.1.14	Per sample	7731	100	773100		
	External 10%	4.1.14	Per sample	7731	10	77310		
7f	Proximate Analysis for Graphite	4.1.16	Per sample	3000	25	75000		
II	<i>Pit/Trench Sample</i>							
7g	ICP-MS studies for REE (34 element)- i.e. (Cu, Pb, Co, Cr & Ni &REE)	4.1.14	Per sample	7731	40	309240		
7h	External (10%) Check samples	4.1.7a	Per sample	7731	4	30924		
7i	Analysis of Gold by Fire assay	4.1.5a	Per sample	2380	12	28560		
7j	Whole rock analysis of Major Oxides	4.1.15a	Per sample	4200	0	0		
7k	Proximate Analysis for Graphite	4.1.16	Per sample	3000	40	120000	45000	Approved qty 25 samples, additional approval required 15 samples
III	<i>Soil/Stream Sediment</i>							
7h	Primary Sample for 5 radicals (Cu, Pb, Zn, Cr & Ni)	4.1.7a	Per sample	2506	0	0		
7i	Internal (5%) & External (10%) Check samples of 5 radicals	4.1.7a	Per sample	2506	0	0		
IV	<i>Borehole Sample</i>							

7g	ICP-MS studies for REE (34 element)- i.e. (Cu, Pb, Co, Cr & Ni &REE)	4.1.14	Per sample	7731	40	309240		
7h	External (10%) Check samples	4.1.7a	Per sample	7731	4	30924		
7i	Analysis of Gold by Fire assay	4.1.5a	Per sample	2380	10	23800		
7k	Proximate Analysis for Graphite	4.1.16	Per sample	3000	25	75000		
	Sub Total E					1951798		
F	Physical & Petrological Studies							
8a	Preparation of thin section	4.3.1	per sample	2353	11	25883	2353	Approved qty 10 samples, additional sample 1
8b	Complete Petrographic studies	4.3.4	per sample	4232	11	46552	4232	Approved qty 10 samples, additional sample 1
8c	Preparation of polished section	4.3.2	per sample	1549	10	15490		
8d	Complete mineragraphic study report	4.3.4	per sample	4232	10	42320		
8e	EPMA	4.4.1	Per hour	8540	5	42700		
	Sub Total F					172945		
G	TOTAL COST (A+B+C+D+E+F+G)					9418043		
H	Miscellaneous Charges							
9a	Tendering Process cost (2% of project cost)	2.3				92000		

9b	Operation Cost	6.0	i			460000		
9c	Preparation of Exploration Proposal (2% of approved Project cost or 5 lakh whichever is lower)	5.1	lump sum		1	188361		
9d	Geological Report Preparation (1.5 lakh or 5% of total work value whichever is more)	5.2		ii	1	470902		
9e	Peer Review Charges			30000	1	30000		
	Total H					1241263		
I	TOTAL COST G+H					10659306	51585	
J	GST (@18%)					1918675	9285	
K	Grand Total					12577981	60870	
L	Rs. In Lacs					125.78	0.61	
Note:								
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.							
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.							
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.							

Agenda 19.3.2 Preliminary exploration for Magnetite and associated minerals in Pipradih Block, District Giridih, State Jharkhand

[Implementing Agency: Central Mine Planning & Design Institute Limited (CMPDI)]

- a) The project was recommended in 52nd TCC meeting held on 27th and 28th April 2023 and approved in the 38th EC Meeting held on 29th November 2024. The sanction order was issued on 13th December 2024 with timeline of 8 months up to 12.08.2025 and approved cost was ₹147.25 Lakh. Timeline extension of 4.5 months up to 31st December 2025 was approved in 1st PSC meeting held on 9th October 2025 for GR submission.
- b) The implementing agency informed that geological mapping on 1:4000 scale of 7sq. km along with topographical survey with 2m contour interval have been completed so far. Magnetic survey, Pitting and trenching is underway.
- c) The agency informed the committee about the progress of the project, the work delayed due to local issues in the block. The work got started after rounds of negotiations with locals from 2nd week of August 2025. The agency discussed the results of trenches and informed that the trenches Trench-A, Trench-B, Trench-C and Trench-E show total Fe% values in the range 13.17% to 34.03 %.
- d) The agency requested for the initiation of the drilling work. Further, it was briefed by the agency that the work delayed due to local issues in the block.
- e) The agency requested a timeline extension of three months up to 31st March 2026, stating that the work was delayed due to law-and-order issues in the block and was resumed after discussions with the local people.
- f) The agency further requested for approval of additional 1 labour/party day and 5 samples for complete mineragraphic studies. The details as given below: -

Details	Approval Given	Approval Required for	Additional Approval required	Additional Cost in Rs.
2 Labours/party day	120	240	120	₹ 59280.00
Complete Mineragraphic studies(samples)	Nil	5	5	₹ 21160.00
			Total	₹ 80,440.00

- g) The TCC-II Committee during deliberation observed that out of identified mineralised locales, zone A & B have indicated moderate Fe values. The Committee suggested to test its continuation at sub-surface four BHs may be drilled at 30 m vertical depth at designated BH spacing as per MEMC rules. Total drilling quantum may be around 200 m. further the committee asked the agency to submit the revised cost sheet.

Recommendation TCC-II

- **The Committee recommended the proposal for approval of the PSC for a timeline extension of three months up to 31st March 2026. along with recommendation of an additional one labourer per party day and five number of samples for complete mineragraphic studies, amounting to ₹80,440/- and revised cost ₹ 148.27/-Lakhs as per Annexure 4.**
- **The TCC-II Committee during deliberation observed that out of identified mineralised locales, zone A & B have indicated moderate Fe values. The Committee suggested to test its continuation at sub-surface four (04) BHs may**

***be drilled at 30 m vertical depth at designated BH spacing as per MEMC rules.
Total drilling quantum may be around 200 m.***



Project Cost Estimate for Preliminary Exploration (G3) for Magnetite and associated minerals in Pipradih area, Giridih District, Jharkhand

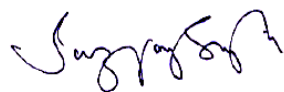
Sl. No							Remarks
	Item Work	Item no in Soc	Unit	Rates as per SoC of NMEDT	Qty.	Amount (Rs)	
1 - Outsource Component							
A	DRILLING						
i	Core Drilling	2.2.1.4a	m	11500	400	4600000	
ii	Approach Road Making	2.2.10b	Per Km	22020	2	44040	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed for max. 2 km.
iii	Borehole Pilliaring	2.2.7a	Per Bh	2000	8	16000	
iv	Land Crop Compensation	5.6	Per Bh	20000	8	160000	Amount will be reimburse as per actuals or max. Rs. 20000 per BH with certification from local authorities
TOTAL - A						4820040	
B	Laboratory Studies						
I	Chemical Analysis/ ICPS Studies						
a	BRS Samples						

i	Primary Sample for XRF	4.1.15a	per sample	4200	250	1050000	
ii	Internal (5%) & External (10%) Check samples of 5 radicals	4.1.7a	per sample	2506	38	95228	
Sub Total (a)						1145228	
b	Physical & Petrological Studies						
i	Preparation of thin section	4.3.1	per sample	2353	5	11765	
ii	Complete Petrographic studies	4.3.4	per sample	4232	5	21160	
iiia	Complete Minerographic studies	4.3.4	per sample	4232	5	21160	Additional approval Required
iii	Preparation of polished section	4.3.2	per sample	1549	5	7745	
vii	Specific Gravity Determination	4.8.1	per sample	1605	5	8025	
Sub Total (b)						69855	
TOTAL - B						1215083	
TOTAL-1 OUTSOURCED COMPONENT (A+B)						6035123	Reimbursement of outsource component will be made as per Para 3 of NMEDT-SoC
2. In-House Component							
A	GEOLOGICAL WORK						
i	Geological Party days (1 party) Field	1.2 b	Day	11000	120	1320000	
ii	Geological Party days (1 party)HQ	1.2 a	Day	9000	60	540000	

iii	2 labours/ party (Rs 494/day/labour),	5.7	Day	494	120	59280	Amount will be reimbursed as per the notified rates by the Central Labour Commission or respective State Govt., whichever is higher
Iv	2 labours/ party (Rs 494/day/labour),	5.7	Day	494	120	59280	Additional approval Required as total Geological Party days are 120 & labours per party day is 240 labours
Sub Total A						1978560	-9046295
B	GEOPHYSICAL STUDIES						
i	Magnetic Survey	3.2a		72000	30	2160000	Magnetic Survey considering 40 points in a line km, Rate is Rs. 1800 per staion, Thus, the Rate of 1 Line km is Rs.72, 000/-
Sub Total B						2160000	
C	SAMPLING						
i	Sampling - 1 sampler without Labour	1.5.2	Day	5100	32	163200	Amount will be reimbursed as per the notified rates by the Central Labour Commission or respective State Govt., whichever is higher
ii	4 labours/ party (Rs 494/day/labour,	5.7	Day	494	128	63232	
Sub Total C						226432	
D	SURVEY WORK						

i	Survey Party days (1 party) without Labour for contouring of minerallized zone	1.6.1a	Day	8300	30	249000	Amount will be reimbursed as per the notified rates by the Central Labour Commission or respective State Govt., whichever is higher
ii	4 labours/ party (Rs 494/day/labour), As per rates of Central labour Commission	5.7	Day	494	120	59280	
iii	DGPS Survey of Boreholes	1.6.2	per point	19200	12	230400	
Sub Total D				538680			
D	Trenching						
i	Trenching	2.1.1	Cu. m	3330	50	166500	
Sub Total D				166500			
TOTAL- 2 IN-HOUSE COMPONENT (A to D)		5070172					
Total Cost of Outsourced and In-House Component (1 + 2)							
11105295							
3. Miscellaneous Charges							

i	Preparation of Exploration Proposal	5.1		2% of approved Project cost subject to Maximum of 5 Lakh whichever is lower	5 Nos. Hard Copies along with soft copy	222106	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.
ii	Peer review			10000	1	10000	
iii	Tendering Process cost for Outsourced component	2.3		2% of cost or 5 lakh whichever is lower	1	96401	will be reimbursed when copy of the signed agreement/tender for outsource component will be submitted.
iv	Operational charges for outsourced component	Point 3 (i) of SoC and item 6.0 (i)				576047	will be reimbursed as per point 3 of NMEDT-SoC after recalculation when actual cost of outsourcing component will be provided. The copy of contract agreement for outsourced component and work completion report are also required to reimburse the operational charge.




v	Geological Report preparation	5.2		For the projects exceeding Rs. 50 Lakhs but less than 150 Lakhs: A Minimum of Rs. 2.5 lakhs or 5% of the work whichever is more	5 Nos. Hard Copies along with soft copy	555265	EA has to submit the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMEDT.
TOTAL - 3 Miscellaneous Charges						1459818	
4 - Total Cost of the project without GST (1 + 2 + 3)						12565113	Additional amount Rs 80440/-
	Provision for GST (@18%)					2261720	Additional GST Rs 14479
5- Total Cost of the project with GST					or say Rs.		Additional Amount Rs 94919 Lakhs
						14826834	
						₹ 148.27/-	
Note - 1. If any part, mentioned in the in-house component is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. 2. For in-house component of the project, a Certificate from the NEA regarding non outsourcing of any component/project is required. 3. In no case, the sum of outsourced cost and operational charges should exceed the cost as per SoC rates of the total outsourced component(s).							

Ulaganathan

Ulaganathan

Agenda 19.3.3 Reconnaissance survey for Nickel, Cobalt and PGE in Botad area, Botad District, Gujarat.

[Implementing Agency: M/s Critical Mineral Trackers (CMT)]

- a) The project was recommended in 6th TCC meeting held on 27th and 28th February, 2025 and 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 23rd March 2025 with timeline of 10 months up to 22nd January 2026 and approved cost was ₹128.25 Lakh. The TCC-II opined that drilling in the proposed block will be subject to positive outcomes of Geological Mapping, analysis for PGE should be done only if Nickel (Ni) value exceeds 0.2% & if PGM grains found Electron Probe Microanalysis.
- b) The project work was reviewed in 13th meeting of TCC-II held on 22nd, 23rd, 24th September 2025. In the 13th meeting, the committee reviewed the chemical analytical results and opined that the analytical results are not so encouraging (Ni values are not promising, Co & PGE content are also negligible). So, the committee recommended the project for approval of PSC for pre closure of the project and submission of the Geological report.
- c) In 2nd meeting of PSC held on 4th November 2025, PSC referred the proposal back to TCC-2 with instruction to inform PSC at its next meeting about the detailed values of Ni, Co and PGE as well as the expenditure incurred by the agency.
- d) CMT informed that Geological map on 1:25000 scale has been finalised. Also, pitting work has been completed along with sample collection and chemical analysis. In pit samples, Ni values ranges from 425.2ppm to 1116.3ppm, Nb value ranges from 251ppm to 39850ppm (a nugget value), Cr value ranges from 515ppm to 1218ppm, Co value ranges from 12ppm to 95ppm. Also, in Bed Rock Samples values of Co ranges from 2.9ppm to 80.3ppm, Cr value ranges from 12.4ppm to 1411.6ppm, Ni value ranges from 23.6ppm to 1105.1ppm and Nb value ranges from 4.4ppm to 1214.6ppm. As suggested by the TCC, the samples analysed for Ni with more than 2000ppm had to send for PGE analysis. However, no sample with Ni values greater than 0.2% observed therefore PGE analysis was not done.
- e) The Committee noted that no significant Ni, Cr, or PGE values were observed from surface geological studies and advised pre-closure of the project and submission of the Geological Report (GR) and committee also advised the agency to submit the details of expenditure incurred to NMEDT.
- f) Further, the committee instructed agency to present revised cost sheet in the upcoming TCC -II meeting.

Recommendation TCC-II

The committee opined that the project, has no significant Ni, Cr, or PGE values were observed from surface geological studies. the project may be closed.

Agenda 19.3.5 Preliminary exploration (G3) for PGE, Gold and Basemetal in Timkitola block, Balaghat District, Madhya Pradesh.

[Implementing Agency: Gemcokati Exp. Pvt. Ltd.]

- a) The project was recommended in 13th TCC meeting held on 22nd, 23rd, 24th September 2025 and approved in the 2nd PSC Meeting held on 4th November 2025. The project was approved in 2nd PSC meeting subject to recheck of the drilling plan by the TCC.

- b) The committee opined that drilling in 6 boreholes (3 x 90m Vertical + 3 x 150m inclined) with total 720m depth will be decided after first review of detail mapping and Geophysical survey work. Review will be done after 5 months & 10 months.
- c) The committee rechecked the drilling plan and kept the review after 5 months both in cost sheet as well as in the timeline table of the project.

Recommendation TCC-II

- *In the 13th TCC-II meeting, the committee recommended the proposal for approval of PSC for "Preliminary exploration (G3) for PGE, Gold and Basemetal in Timkitola block, Balaghat District, Madhya Pradesh" with an estimated cost of ₹ 212.61 Lakh (including GST) within the time schedule of 12 months and submission of the report as per Annexures 5A & 5B after rechecking the drilling plan. The item will be reviewed after 5 months & 10 months.*
- *The Committee opined that drilling in 6 boreholes (3 x 90m Vertical + 3 x 150m inclined) with total 720m depth will be decided after first review of detail mapping and Geophysical survey work. Review will be done after 5 months & 10 months.*



Estimated cost for Preliminary exploration (G3) for PGE, Gold and Basemetal in Timkitola block, Balaghat District, Madhya Pradesh
[6 sq. km. district- balaghat,madhya pradesh, review after 5 & 10 months, project duration:12 months]
Implementing Agency: Gemcokati Private Limited

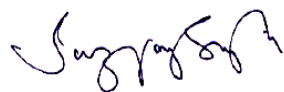
S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Geological, Geophysical Work & Surveying						
1	Geological Trenching, drilling work	Sq Km			6		
2	Charges for Geologist per day (Field) for trenching work and drilling work	day	1.3b	11000	160	17,60,000	
3	Labours Charges; Base rate	day	5.7	541	320	1,73,120	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
4	Charges for Geologist per day (HQ)	day	1.3a	9000	45	4,05,000	
5	Charges for Geophysicist per day (HQ)	day	1.3a	9000	0	-	
6	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5100	25	1,27,500	
7	Labours (4 Nos)	day	5.7	541	100	54,100	
	Sub Total A					25,19,720	
B	Ground Geophysical Survey						Ground Geophysical survey In house

1	IP. Induced Polarization (I.P) cum Resistivity S.P and Magnetic (10 Line Km)	8-10 Line Km	3.4b	14,48,693	1	14,48,693	
2	Charges for Geophysicist per day (Field) for geophysical survey	day	1.3b	11,000	0	-	
3	Labours Charges employed during geophysical survey; Base rate	day	5.7	541	0	-	
	Sub Total- B					14,48,693	
C	Survey work						
1	Charges of Surveyor (1 party) for survey, layout work & Block boundary demarcation	one surveyor per day	1.6.1a	8300	60	4,98,000	Layout of geophysical profile RL determination of BHs (1:2000)
2	Labours Charges for survey work;	day	5.7	541	240	1,29,840	
3	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.6.2	19200	10	1,92,000	(Corner points 4 & Drill points 6)
	Sub-Total C					8,19,840	
D	Trenching						
1	a) Excavation of Trench	per cu.m	2.1.2	3,800	150	5,70,000	6 trenches of 25m each (25m X1m X 1m)
	Sub-Total D					5,70,000	
E	DRILLING (field components)						
1	Drilling up to 300m (Hard Rock)	m	2.2.1.4a	11,500	720	82,80,000	6 BHs (3X90m Vertical + 3X150m inclined)
2	Borehole deviation Survey by Multishot Camera	m	2.2.6	330	720	2,37,600	
3	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	20,000	-	-	
4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	10	20,000	(Corner points 4 + BHS 6)
5	Borehole plugging by cement	per borehole	2.2.7b	200	720	1,44,000	

6	Road Making (Rugged hilly terrain)	Km	2.2.10a	32,200	5	1,61,000	
7	Transportation of Drill Rig & Truck associated per drill (2 rigs)	Km	2.2.8	36	1,200	43,200	To and for 2 Rigs (Chandrapur to Balaghat)
8	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	4	2,00,000	
9	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	
10	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	
11	Drill Core Preservation	per m	5.3	1,590	100	1,59,000	
	Sub Total E					97,44,800	
F	LABORATORY STUDIES						
1	Chemical Analysis						
i	Estimation of major oxides by XRF/whole rock analysis for primary samples	per sample	4.1.15a	4,200	20	84,000	Core samples 20
ii	Estimation of major oxides by XRF/whole rock analysis for Check samples	per sample	4.1.15a	4,200	2	8,400	
iii	Au by Fire Assay - Primary samples	per sample	4.1.5a	2,380	25	59,500	Core samples 25
iv	Au by Fire Assay - Check samples	per sample	4.1.5a	2,380	3	7,140	Core samples 3
v	trace elements through IPC-OES for Primary samples (Ni, Cr, Co, REE, Cu/ 34 Elements)	per sample	4.1.14	7,371	100	7,37,100	Core samples 60 + BRS and Trench 40
vi	trace elements through IPC-OES for External check samples (Ni, Cr, Co, REE, Cu/ 34 Elements)		4.1.14	7,371	10	73,710	
vii	PGE by Fire Assay		4.1.5d	11,800	25	2,95,000	For samples where Ni, Cr, Co values are high
viii	For PGE by Fire Assay- Check samples		4.1.5d	11,800	3	35,400	
ix	Density	per sample	4.8.3	1,568	6	9,408	1 from each boreholes

2	Physical & Petrological Studies						
i	Preparation of thin section	Nos	4.3.1	2,353	25	58,825	Trench and Core Samples
ii	Study of thin section	Nos	4.3.4	4,232	25	1,05,800	
iii	Preparation of polish section	Nos	4.3.2	1,549	25	38,725	
iv	study of polished section	Nos	4.3.4	4,232	25	1,05,800	
v	Digital Photographs	Nos	4.3.7	280	25	7,000	
vi	EPMA studies	per hour	4.4.1	8,540	20	1,70,800	
	Sub Total F					17,96,608	
G	Total A to F					1,68,99,661	
H	Geological Report Preparation	5 Hard copies with a soft copy	5.2(iii)	5% of the work		7,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMEDT.
I	Peer review Charges		As per EC decision			30,000	
J	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is less		3,37,993	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.
K	Total Estimated Cost without GST					1,80,17,654	
L	Provision for GST (18% of J)					32,43,178	GST will be reimbursed as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					2,12,60,832	
				or Say Rs. In Lakhs		212.61	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						

2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency




PRELIMINARY EXPLORATION FOR PGE, GOLD, BASEMETALS & REE IN TIMKITOLA BLOCK (G3) [6 SQ. KM. DISTRICT- BALAGHAT, MADHYA PRADESH, REVIEW AFTER - 5 MONTHS & 10 MONTHS, PROJECT DURATION - 12 MONTHS.

SI No.	Item of Work	1	2	3	4	5	REVIEW	6	7	8	9	10	REVIEW	11	12
1	Forest clearance														
2	Surface Sampling and Chemical analysis, Geophysical survey & Survey														
3	Trenching														
4	Drilling														
5	Laboratory studies														
6	Interpretation of analytical data, finalization of lithologs, plates														
7	Review & report preparation / Peer review														
8	Final submission														

Agenda 19.3.6 Preliminary Exploration (G3) for Graphite in Patimal Block, District-Balangir, Odisha.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The project was recommended in 67th TCC meeting held on 24th, 25th & 26th July, 2024 and approved in the 37st EC Meeting held on 23rd September, 2024. The sanction order was issued on 22nd October 2024 with timeline of 12 months up to 21st October 2025 and approved cost was ₹207.65Lakh. The project was reviewed in 80th meeting of TCC-I held on 28th, 29th August, 2025 and 1st September, 2025.
- b) MECL informed that a total of 38-line kms were surveyed against the approved 30-line kms, with traverse lines at 100 m intervals and 10 m station intervals. The survey results show alternating positive and negative SP values forming linear patterns in the central part, which suggest structural control (faults/fractures) that indicate a favourable location for graphite occurrences. Five such potential locations have been identified as for further ground validation. Further, it was informed that trenching, drilling, sampling & sample analysis are yet to be done. It was briefed by MECL that due to local agitation, work could commence only in March 2025 after a delay of four months. By the time the initial activities were completed, the monsoon had arrived. Since almost the entire block is under agriculture, further work can only be taken up after the harvest, i.e., from end of December 2025.
- c) The agency requested for timeline extension of 8 months up to 20th June 2026.
- d) The committee asked the agency to submit a detailed justification for the delay in the project work. Recommendation for timeline extension of 8 months up to 20th June 2026, was agreed by the committee.

Recommendation TCC-II

The Committee review the proposal and recommended approval of the PSC for a timeline extension of eight months, up to 20th June 2026, for submission of the final Geological Report (GR). The timeline extension due to local agitation, as a result of which the work could commence only in March 2025, leading to a delay of four months.

Agenda 19.3.7 Reconnaissance Survey (G-4) for REE, Glauconite and Associated minerals in Devpur Area (138.52 sq. km), Kachchh District, Gujarat.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The project was recommended in 6th TCC meeting held on 27th and 28th February, 2025 & 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 19th March 2025 with timeline of 10 months up to 18th January 2026 and approved cost was ₹284.16 Lakh. 1st review was done in 12th meeting of TCC-II held on 22nd, 25th, 26th & 27th August, 2025 and committee advised for continuation of work as per approved quantum of work. The committee recommended the scout drilling for 500m (50mx10 BH) for Glauconite, 300m (30mx10 BH) for REE and Auger drilling for 490m (7mx70 BH).
- b) MECL informed that geological mapping on 1:12,500 scale of 138.52 sq. km. area has been done along with collection of BRS samples (for REE) and pitting. Chemical analysis for 150 samples including 50 BRS, 19 Pit & 81 Auger drill samples have been done. Gritty Ferruginous Sandstone in the eastern part of the block shows relatively higher value of $\Sigma\text{REE}+\text{Y}$ (up to 0.14% $\Sigma\text{REE}+\text{Y}$), the Pit samples from Pit No-4 and Pit No-5 dug in the eastern part shows higher value of $\Sigma\text{REE}+\text{Y}$ (up to 0.26% $\Sigma\text{REE}+\text{Y}$). The 10 Nos of BRS samples which shows $\Sigma\text{REE}+\text{Y} > 0.05\%$ are having Y values 42.29

ppm to 587.58 ppm with average 216.27 ppm. The Y value in Pit samples where higher value of REE observed, enriched up to 0.12% of Y. Glauconitic horizon is not present near the surface. As observed, K₂O% is encouraging in 8 nos. of samples up to 4.66 % of K₂O. XRD and petrographic study under progress to understand the contributor of K₂O%. The agency proposed 3 nos. of scout boreholes with 100m depth to intersected potential Ferruginous band of Katrol Formation as observed in adjacent Nokhaniya Block. Cumulative drilling meterage will be 300 m.

- c) The agency requested approval for collection of an additional 25 BRS samples each from ferruginous and limonitic units, along with a timeline extension of three months, up to 31st March 2026, for submission of the final Geological Report (GR), against the original timeline of 18th January 2026.
- d) The Committee agreed to the commencement of drilling in three boreholes, comprising one borehole of 100 m depth (for stratigraphic study) and two boreholes of 50 m depth each for REE related scout drilling. The Committee also agreed to recommend a timeline extension of three months, up to 31st March 2026, for submission of the final Geological Report (GR).

Recommendation TCC-II

The Committee recommended the proposal for approval of the PSC for a “timeline extension of three months, up to 31st March 2026, for submission of the final Geological Report (GR).” The Committee also agreed to the commencement of drilling in three boreholes, comprising one borehole of 100 m depth and two boreholes of 50 m depth each for REE related scout drilling.

Agenda 19.3.8 Preliminary Exploration (G-3 Stage) for Magnetite and associated Vanadium mineralization in Khursipar Block, District: Gondia, Maharashtra.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The project was recommended in 74th meeting of TCC-I held on 20th and 21st February, 2025 and approved in 41st EC meeting held on 11th March 2025 for ₹273.10 Lakh with timeline of 12 months up to 18th March 2026. The project was reviewed in 16th TCC-II held on 3rd & 6th November 2025.
- b) MECL informed that as the drilling area falls under forest land, they have applied for forest clearance. All in-house drill rigs are currently deployed in NMEDT and other approved projects during the productive season and immediate mobilization of in-house rigs not feasible upon grant of forest clearance. So, the agency requested for approval of outsourced drilling in this project.
- c) The committee opined that doing this may cause financial complexity for already approved project. The Committee did not agree to the proposal for outsourcing of drilling for this project.”

Recommendation TCC-II

The Committee did not agree for outsourcing of drilling.

Agenda 19.3.9 Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Area, Katni District, Madhya Pradesh.

[Implementing Agency: M/s EngeoTech Pvt. Ltd.]

- a) The project was recommended in 3rd meeting of TCC-II held on 5th and 6th December, 2024 and approved in 39th EC meeting held on 24th January 2025 for ₹70.15 Lakh with timeline of 10 months up to 9th December 2025. The project was reviewed in 9th meeting of TCC-II held on 29th & 30th May 2025. Additional drilling of 180m was approved in 43rd EC meeting held on 14th August 2025 with a revised cost of ₹103.59 Lakh.
- b) The agency informed that geological mapping on 1:12,500 scale of 22.52 sq. km. area have been completed along with survey work. Drilling, chemical analysis and petrological studies are in progress. The agency requested to shift the borehole locations due to local issues in project area. It informed the committee that out of 9 boreholes drilling has been completed in 3 boreholes (PBH-1, PBH-2, PBH-4) and borehole PBH-5 is running. Further, the agency requested for timeline extension on 6 months up to 8th June 2026 for submission of Geological report. the delay due to in local agitation and rainy season.
- c) The committee observed that the borehole PBH-3 proposed shifted location came close to the block boundary which is not in line with MEMC norms for drilling and suggested to drop the borehole PBH-3. The committee agreed for recommendation of timeline extension on 6 months up to 8th June 2026.
- d) The committee asked the agency to submit the revised cost sheet in upcoming TCC-II meeting.

Recommendation TCC-II

The Committee recommended the proposal for approval of PSC for dropping one borehole (PBH-3) and for granting a timeline extension of six months, up to 8th June 2026 for submission of Geological report, in view of delays caused by local agitation and the rainy season.

Agenda 19.3.10 Reconnaissance Survey (G-4) for Phosphorite in Bijawar-Imiliya Area (95.67 sq.km.), Chhattarpur district, Madhya Pradesh.

[Implementing Agency: Madhya Pradesh State Mining Corporation Limited (MPSMCL)]

- a) The project was recommended in 57th meeting of TCC held on 26th& 27th September, 2023 held and approved in 32th EC meeting held on 6th December 2023. Sanction order was issued on 12th December 2023 with approved cost of ₹126.86 Lakh with timeline of 12 months up to 11th December 2024. Timeline extension of 6 months up to 11th June 2025 was approved in 41st EC meeting held on 11th March 2025.
- b) The agency informed that geological mapping on 1:12,500 scale of 95.67 sq. km. area have been completed along with chemical analysis of 78 samples of trenching/pitting and chemical analysis of 20 BRS samples. Analytical results show P₂O₅ values ranging from 0.1% to 1.48%.
- c) Further, the agency requested a timeline extension of 08 months, up to 10th February 2026. The request was made due to delays arising from local agitation and administrative issues in the block. The agency also informed that the analysis results of the pit and trench samples of the Bijawar Imiliya Phosphorite Block were awaited and subsequently received in November 2025, which accordingly influenced the overall project timeline.

- d) The committee opined that since the values of P_2O_5 are not so encouraging the project may be closed. The committee agreed for recommendation for timeline extension of 08 months up to 10th February 2026 for final submission of Geological Report.
- e) The committee instructed agency to present revised cost sheet in the upcoming TCC -II meeting.

Recommendation TCC-II

- ***The Committee recommended for approval of the PSC for timeline extension of 08 months, up to 10th February 2026, for submission of the final Geological Report (GR) in view of delays caused by local agitation and administrative issues in the block.***
- ***The committee opined that since the values of P_2O_5 are not so encouraging, the project may be closed.***

Agenda 19.4 Project Evaluation for In-Principle Approval

Agenda 19.4.1 Reconnaissance Survey (G4 Stage) in Bagor Area for base metal & associated critical & strategic minerals in Bhilwara District, Rajasthan.

[Implementing Agency: Critical Mineral Trackers (CMT)]

- a) The Critical Mineral Trackers informed the committee about the communication of Rajasthan state government via RSMET vide letter no. RSMET/F-205/2025-26/256 that the block has been identified as prospective potential G-4 reconnaissance block in Bhilwara and Bharatpur districts based on AI/ML-assisted mineral studies through NPEA using gravity, magnetic, lineament, lithological and geochemical datasets and the integrated analysis As per communication of state government via RSMET this block has been allocated to the agency.
- b) The agency informed the committee about the range of NGCM Basemetal and critical mineral elements values i.e., Cu (0.16-63) ppm, Pb (11-35) ppm, Zn (41-121) ppm, La (44-464.22) ppm, Ce (89-877) ppm, Co (2-28) ppm, Li (2-38) ppm, Ni (13-94.79) ppm, Va(68-179.35) ppm, W (0.25-2.99) ppm along with two marked structural lineament.
- c) The committee agreed for in-principle-approval of the proposal.

S.N.	Agency	Comment
1	GSI	Informed that the proposed block shows approximately 40% overlap with Ashaholi area in FS 2019-20, Koshithal area in FS 2019-20 and Kaladhunda block in FS 2022-23 an already explored block of GSI under the same G-4 stage, In the submitted proposal of the NPEA block. The block lies adjacent to the Pur-Banera polymetallic belt, which hosts numerous known base-metal prospects. Earlier investigations in the nearby Kaladhunda block recorded elevated copper values. BRS samples returned Cu values between 0.2% and 0.3%, and channel sampling across these BRS locations yielded average copper concentrations of approximately 700 ppm, 430 ppm, 640 ppm, 385 ppm, and 450 ppm, demonstrating favourable base-metal signatures.
2	DMG Rajasthan	Details of CL/ML/QL etc. for either Major or Minor minerals in the proposed block, Aravalli Status (Both 2006 & FSI), Wild life Sanctuary, ESZ, 10A(2) (b) Case, Litigation, other NPEA block (Approved by NMEDT-As described at NMEDT site) 246.5014

		hectares area of this proposal area conflicts with held mining leases of mineral Quartz, Felspar, Mica, Masonary Stone, Bajri.
3	MECL	Informed that the proposed Bagor area does not overlap with current and previous exploration block of MECL.

- d) The committee suggested to the agency to exclude the overlap areas already explored by GSI (in G4 stage) in southern part of proposal & submit the DPR after modification.

Recommendation TCC-II

The Committee agreed for in-principle-approval of the proposal.

19.5 Cost Evaluation

Cost evaluation was done and comments are included in respective agenda.




Annexure -1

List of participants attended 19th meeting of Technical-cum-cost Committee (TCC-II) of NMEDT held on 16th and 17th December 2025 through video conferencing mode

S.no	Name	Designation	Email ID	Contact No	Organization
1	Shri. Pradeep Singh	Dy. Director General, GSI, Kolkata	ddg.it@gsi.gov.in	9810233957	Chairman, TCC - II
2	Shri. Sanjay Singh	Director, GSI, Western Region, Jaipur	sanjay.singh3@gsi.gov.i n	9928860884	Member Secretary TCC-II
3	Shri. B S Jodha	Dy. Director General (Retired), GSI	jodha1961@gmail.com	9414023478	Member TCC-II
4	Shri. Sunil Kumar Vashisth	GM (Retired), Hindustan Zinc Limited, Udaipur	sunilhzl@gmail.com	9829059236	Member TCC-II
5	Shri M. K. Patel	Dy. Director General (Retired), GSI	patelmk27@gmail.com	9040011231	Member TCC-II
6	Dr. T.S.Sunil Kumar	Addl. Director (Retired), AMD	ts.sunilkumar@gmail.co m	9502560153	Member TCC-II
7	Anoop Kumar	Cost Accounts Officer	anoop.kumar2@gsi.gov.in	8969116172	GSI-CHQ, Member TCC-II
8	Shri Shrikant Sharma	HoD (Exploration)	shrikant.mecl@gmail.com	9131229758	MECL, Nagpur
9	Shri S. K. Satapathy	Senior Manager (Geology)	Sksatapathy4u@gmail.com	9993617090	MECL, Nagpur
10	Shri Sayandeep Chakraborty	Asst. Manager (Geology)	schakraborty@mecl.co.in	9038956935	MECL, Nagpur
11	Mrs Aayushi Saraswat	Geologist	Saraswatayu8@gmail.com	9982024400	MECL, Nagpur
12	Shri Mayank Shrivass	Young Profession (Geology)	mayankshrivas70@gmail.c om	8878832797	MECL, Nagpur
13	Ipsita	Representative - MPSMCL	info.mpsmc@mp.gov.in	7894082949	MPSMC Ltd.
14	Arun Gokul J Nair	Representative - MPSMCL	info.mpsmc@mp.gov.in	9645188432	MPSMC Ltd.
15	Shri Sudeep Manish Toppo	Director	sudeep.toppo@gsi.gov.in	9065146048	GSI
16	Subrata Sarkar	V. P. (Projects & Planning)	subrata.sarkar@gemcokati.com	7044208900	Gemcokati Exploration Private limited
17	Dr. Vinay Sahay	Senior Manager (Geology)	vinay.sahay@geologist.com	9730514284	Gemcokati Exploration Private limited

18	Kaustav Bhattacharjee	Geologist	kaustavbhattacharjee18@gmail.com	8637848584	Gemcokati Exploration Private limited
19	Subhajit Chakraborty	Geologist	csubhajit101@gmail.com	7278706372	Gemcokati Exploration Private limited
20	Suraj Vidhate	Geologist	vidhatesuraj2018@gmail.com	9921839321	Gemcokati Exploration Private limited
21	Devika Nagpure	Jr. Geologist	devikanagpure45@gmail.com	8408986492	Gemcokati Exploration Private limited
22	Muskan Bamnere	Jr. Geologist	bamneremusgangkpl@gmail.com	9356002371	Gemcokati Exploration Private limited
23	Nitin Baghel	Jr. Geologist	nitinbaghel2207@gmail.com	9691177227	Gemcokati Exploration Private limited
24	Ramraj Patel	Jr. Geologist	patelramraj1998@gmail.com	7394061189	Gemcokati Exploration Private limited
25	Dr RK Sharma	Project Coordinator	rajsuman87@gmail.com	9460727857	Vardan Environet LLP
26	BB Sharma	TAE Geology	bbsharma.gsi@gmail.com	9460116555	Vardan Environet LLP
27	Kapil Choudhary	Geologist	choudharykapil812@gmail.com	9672936858	Vardan Environet LLP
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	Sakshi Magarde	Geologist	engeotech@rediffmail.com	8989771405	Engeotech Consultant
28	Vikram K Y	Founder & Partner	criticalmineraltrackers@gmail.com	9849574333	Critical Mineral Trackers
29	S.Rama Murthy	Director - Geology & Mineral Exploration	criticalmineraltrackers@gmail.com	9490685131	Critical Mineral Trackers
30	Sanjay Kumar Minda	Technical Area Expert	criticalmineraltrackers@gmail.com	7976279694	Critical Mineral Trackers
31	M.Chandu	Jr.Geologist	criticalmineraltrackers@gmail.com	9666975499	Critical Mineral Trackers

32	Shri. Mohit thapa	Accounts Officer	dgmjak@gmail.com	-	Directorate of Geology & Mining, J&K
33	Dr R.P Singh	Senior Manager (Geology)	gmexpl.cmpdi@coalindia.in	9431358716	CMPDI
34	Saurabh Singh	Senior Manager (Geology)	gmexpl.cmpdi@coalindia.in	9329026041	CMPDI
35	Smt. Palak Kapoor	Sr. Geologist	nmet.mines@gov.in	8851742488	NMEDT
36	Shri Monu Tomar	Sr. Geophysicist	nmet.mines@gov.in	9467728411	NMEDT
37	Shri Akshay Verma	Geologist	nmet.mines@gov.in	9911258955	NMEDT
38	Shri Manish Kumar	Geophysicist	nmet.mines@gov.in	9652258670	NMEDT

09

3rd Review in 20th TCC-II
(1 BH drop, cost revision,
timeline extension)

Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 20th meeting of Technical-cum-Cost Committee - II (TCC - II)
held on 02nd & 05th January 2026

The 20th meeting of Technical-cum-Cost Committee–II (TCC-II) of National Mineral Exploration and Development Trust (NMEDT) was held through video conferencing under the Chairmanship of Shri Pradeep Singh, Deputy Director General (DDG), Geological Survey of India (GSI) and Chairman, TCC-II, NMEDT held on 02nd & 05th January 2026.

Members of TCC-II, NMEDT and representatives from M/s Natural Resource Division Tata Steel Limited, M/s Ocean Drilling & Exploration Private Limited, M/s Gemcokati Private Limited, M/s Critical Mineral Trackers (CMT), DGM Tripura, DGM Uttar Pradesh, M/s Geo Marine Solutions Private Limited, Madhya Pradesh State Mining Corporation Limited (MPSMCL), M/s Engeotech Consultant, Mineral Exploration and Consultancy Limited (MECL), M/s Geovale Services Private Limited, M/s Kartikay Exploration and Mining Services Private Limited, have attended the meeting through video conferencing mode. The list of participants is at **Annexure-1**.

Shri Pradeep Singh, DDG, GSI and Chairman, TCC-II, NMEDT warmly welcomed all TCC-II members and every participant representing from State DGM, Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs).

20.1 Technical Evaluation of New Project Proposals

Agenda 20.1.1 Preliminary Exploration (G-3) for Graphite and associated Minerals, Mahadevbera block, Seraikela-Kharsawan District, Jharkhand
[Implementing Agency: M/s Natural Resource Division Tata Steel Limited]

- a) This project was in-principally approved in 12th TCC-II. The proposed exploration block, covering an area of 3.00 sq. km, is located on Survey of India Toposheet No. 73F/13 and falls within parts of Ranchi District, Jharkhand.
- b) Subsequently the project was recommended in the 13th TCC-II meeting held on 22nd, 23rd and 24th September 2025 and discussed at 2nd meeting of PSC held on 4th Nov. 2025. After deliberation PSC, referred back to TCC to seek comments of State DMG for clarification of District name of the project.
- c) Comments received from State DMG that indicating that the proposed area does not overlap with any existing exploration block. It was also informed that no exploration activities have been undertaken within the proposed area.
- d) The agency clarified that the approved project area for the project titled “Preliminary exploration for Graphite and associated minerals, Mahadevbera Block, Jharkhand” falls within Seraikela-Kharsawan District, Jharkhand, and not Ranchi District as mentioned earlier. The discrepancy occurred due to an inadvertent oversight at the time of initial submission of the project proposal.
- e) The Committee recommended first-level boreholes at 30 m vertical depth and second-level boreholes at 60 m vertical depth, approved geological mapping at 1:4000 scale and Self Potential surveys at 100 m line intervals for demarcation of graphitic zones, and further recommended Phase-I drilling of 1,026 m for 8 boreholes (average depth 128 m) and Phase-II drilling of 961 m for 5 boreholes (average depth 192 m), with project review to be undertaken after completion of the geophysical survey.



- f) The Committee reviewed the cost sheet for the project in detail as per the newly approved Schedule of Charges (SoC).

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “Preliminary Exploration (G-3) for Graphite and associated Minerals, Mahadevbera block, Seraikela-Kharsawan District, Jharkhand” with an estimated cost of ₹412.59 Lakh (including GST) within the time schedule of 15 months and submission of the report as per Annexures 2A & 2B. The item will be reviewed after 6 months and 10 months. Total 1987m drilling in 13 boreholes with average depth of 128 m in 8 boreholes of 1st level and 192 m depth in 5 boreholes of 2nd level will be done.



**Estimated Cost for Preliminary Exploration (G3) for Graphite and Associated Minerals in Mahadevbera Block,
District: Seraikela-Kharsawan, State: Jharkhand
Total Area - 3.0 sq. km; No. of Boreholes - 13 (Phase-I: 8 bhs & Phase-II: 5 bhs); Drilling meterage 1987m;
Completion Time - 15 Months; Reviews: 6 months, 10 months
Implementing Agency: Natural Resources Division-Tata Steel Limited**

Sl. No	Item of Work	Unit	Per Unit Cost as per SOC (2021)		Estimated Cost of the Proposal		Remarks
			SoC Item SI No	Rates as per SoC (Rs)	Quantity	Amount (Rs.)	
A	Geological Mapping						In-house
1	Geological Mapping (1:4000 scale)						
2	Geologist: Field work	Mandays	1.2.1a	14500	150	2175000	
3	Geologist: Project Manager at HQ	Mandays	1.2.1a	10500	60	630000	
4	Labour charges (for sample collection, packaging, carrying)	Mandays	5.8	541	300	162300	
5	Charges for one sampler per day (for sample preparation)	Mandays	1.2.1b	7850	68	533800	
6	Labour charges (for sample preparation)	Mandays	5.8	541	272	147152	
7	Charges for one Surveyor	Mandays	1.3.1	10500	45	472500	
8	Labour charges (for sample preparation)	Mandays	5.8	541	180	97380	
9	Demarcation of block boundary, Fixation of borehole	Per Point Observation	1.3.2	24000	17	408000	13 boreholes + 4 Boundary pillars
	Sub Total - A					4626132	
B	Mineral Investigation						Outsourced (B2)
1	Trenching	per cu m	2.1.1	4125	150	618750	10 trenches Dimension: 1m x 1.0m x 15

2	Drilling in hard rock (HQ size)	per m	2.2.1.1d	10000	1987	19870000	HQ size; Core drilling Phase-I: 1026m; 8 nos Phase-II: 961m; 5 nos
3	Borehole pillaring	per borehole	2.2.7	2000	13	26000	
4	Land/ Crop compensation	per borehole	5.6	30000	5	150000	Amount will be reimbursed as per actuals or max. Rs. 30000 per BH with certification from local authorities.
5	Drill core preservation	per m	5.3	1590	300	477000	one full core + skeletonized part of mineralization
	Sub Total - B					21141750	
C	Geophysical Survey						Outsourced (C1)
1	Self-Potential (8-20 Km)	Line km	3.3a	20	62140	1242800	
	Sub Total - C					1242800	
D	Laboratory Studies						Outsourced (D2 to D5)
1	BRS and Channel Samples (Proximate analysis for Graphite)	Per sample	4.1.18	3614	364	1315496	BRS/ Channel: 60 Trench: 40 Borehole: 264
2	External 10% Check (Proximate analysis for Graphite)	Per sample	4.1.18	3614	36	130104	
3	Major oxides (WD XRF) - (oxides + trace-24 elements)	Per sample	4.1.17a	4200	100	420000	BRS/ Channel: 30 Trench: 20 Borehole: 50
4	External 10% Check Major oxides (WD XRF) - (oxides + trace-24 elements)	Per sample	4.1.17a	4200	10	42000	

5	Analysis of one rock sample/ soil sample for quantitative analysis of 14 REE elements +9 trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS	Per sample	4.1.15	7400	25	185000	
	Sub Total - D					2092600	
E	Physical and Petrographic Studies						Outsourced
1	Preparation of standard thin section of rock	Per sample	4.3.1	500	10	5000	
2	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)	Per sample	4.3.4	2800	10	28000	
3	Preparation of polished thin section of rock/ wafer	Per sample	4.3.2	800	10	8000	
4	Complete petrographic /ore microscopic study/ mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)	Per sample	4.3.4	2800	10	28000	
5	Raman spectroscopy study per hour	Per hour	4.5.1	2700	5	13500	
6	Bulk density - Dry/ Saturated	Per sample	4.8.3	2500	5	12500	
	Sub Total - E					95000	
F	Other Studies						Outsourced
1	Beneficiation study (lab scale)	Per sample	4.7.2	3	500000	1500000	Actual expenses at IBM rate, To be taken up in second phase after review
	Sub Total - F					1500000	
	TOTAL (A+F)					30698282	
G	Miscellaneous Charges						
1	Preparation of exploration proposal		5.1			500000	
2	Geological report preparation		5.2			750000	

3	3D Ore body modelling using SURPAC		5.4			500000	as per actual, based on market survey
4	Administrative Charges for getting Forest Permission		5.7			500000	As per actual
5	Peer Review					30000	
6	Reimbursement of cost in case of outsourced components of project work		6.0			1987000	
	Sub Total - G					4267000	
H	Total Estimated Cost without GST					34965282	
I	Provision for GST (18%)					6293750.76	
J	Total Estimated Cost with GST					41259032.76	
K	Total Estimated Cost with GST (in Lacs)					412.59	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

Time Schedule/ Action Plan for Preliminary Exploration (G3) for Graphite and Associated Minerals in Mahadevbera Block, Seraikela-Kharsawan District Jharkhand

Implementing Agency : Natural Resources Division-Tata Steel Limited

Sl. No.	Particulars	M1	M2	M3	M4	M5	M6		M7	M8	M9	M10		M11	M12	M13	M14	M15
1	Tendering of outsourced activities							Review					Review					
2	Topographical Survey																	
2	Geological Mapping (1:4000 scale), sampling																	
3	BRS and channel sample analysis																	
4	Geophysical Survey																	
5	Trenching and trench sample analysis																	
6	Forest Permission																	
7	Exploratory drilling of Phase-I																	
8	Sampling and chemical analysis of drill core samples																	
9	Exploratory drilling of Phase-II																	
10	Sampling and chemical analysis of drill core samples																	
11	Petrographic and related studies																	
12	Report Writing with Peer Review																	

Agenda 20.1.2 Preliminary exploration (G-3) for Vanadium, Graphite, Barium and other associated minerals in Chaura- Maunkanda block, Champawat district, Uttarakhand.

[Implementing Agency: M/s. Ocean Drilling and Exploration Private Limited]

- a. The proposed preliminary exploration block, covering an area of 3.59 sq. km, falls in Survey of India Toposheet No. 62C/3 & 53O/15 and lies within parts of Champawat District, Uttarakhand. In-principle-approval was given for this proposal in 12th TCC-II meeting held on 22nd, 25th, 26th and 27th August 2025.
- b. Subsequently, the project was recommended in the 14th TCC-II meeting held on 7th & 8th October 2025 and discussed in the 2nd PSC meeting held on 4th November 2025; however, the PSC deferred the project as, based on data furnished by QCI-NABET, the agency has only two geologists and one TAE, and considering the requirement of two geologists per project, the agency can manage only one project at a time, while it already has one ongoing project and presently lacks sufficient manpower to undertake a new project.
- c. The agency subsequently informed QCI-NABET regarding the updation of its manpower details and also intimated the NMEDT Secretariat that sufficient manpower is now available for undertaking a new NMEDT project.
- d. The TCC-II advised geological mapping on 1:4000 scale along with topographical survey, Trenching, sampling, chemical analysis and geophysical survey (Self Potential, 20-line km) in 1st Phase of the project. However, commencement of Drilling and Beneficiation Studies will be decided after review.
- e. The Committee reviewed the cost sheet for the project in detail as per the newly approved Schedule of Charges (SoC).

Recommendation TCC

The committee recommended the proposal for approval of PSC for “*Preliminary exploration (G3) for Vanadium, Graphite, Barium and other associated minerals in Chaura- Maunkanda block, Champawat district, Uttarakhand*” with an estimated cost of 75.66 Lakh (including GST) for 1st Phase of the project. the Total time schedule of the project is 15 months for submission of the final report as per Annexures 3A & 3B. The item will be reviewed after 6 months & 12 months.

Estimated Cost for Preliminary exploration (G3) for Vanadium, Graphite, Barium and other associated minerals in Chaura- Maunkanda block, Champawat district, Uttarakhand.

Area: 3.59 sq.km, Scale-1:4000 (Schedule timeline: 15 months Review: After 06 & 12 Months) Implementing Agency: M/s Ocean Drilling & Exploration Private Limited

PHASE-I: DETAILED MAPPING & GROUND GEOPHYSICAL SURVEY

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2021		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
	Geological Mapping Other Geological Work & Surveying						
A	Geological Mapping (Detailed Mapping,other geological work and surveying	per sq. km.					
1	a. Charges for Geologist per day (Field) for geological mapping, drilling work, core logging & sample marking	day	1.2.1a	14,500	80	11,60,000	3.59 sq.km in Hilly area
2	b. Labours Charges; Base rate	day	5.8	541	160	86,560	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	c. Charges for Geologist per day (HQ)	day	1.2.1a	10500	30	315000	
	a. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7850	27	211950	
3	b. Labours (4 Nos)	day	5.8	541	108	58428	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	Sub Total- A					18,31,938	

	Survey work						
B	DGPS Survey for boundary points fixation & RL determination	Per Point of observation	1.3.2	24000	4	96000	4 Boundary points
1	Charges of Surveyor (1 party) for topographic mapping in 1:4000 scale and contouring at 5m interval	one surveyor per day	1.3.1	10,500	60	630000	3.59 sq.km in Hilly area
2	Labours Charges for survey work (4 labourers)	day	5.8	541	240	129840	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
3	Sub-Total B					855840	
	Trenching						
C	Excavation of trenches upto 2.0m depth	per cu.m	2.1.1	4125	200	825000	1. Trenching: 20 trenches of 10mx1mx1m (Approx.)
1	Sub-Total C					825000	
	Ground Geophysical Survey						
D	self potential (8-20 line km)	L km	3.3a	1,55,350	12	18,64,200	Hilly Terrain
7	Sub Total D					18,64,200	
E	Chemical Analysis						
1	Primary samples						
i)	Trench samples: Primary (1m sample length) for major oxides and LOI by WD-XRF	Nos	4.1.17a	4,200	80	336000	a. 10 nos. BRS samples and 20 nos. of channel samples, . 50 nos Trench sample b. elements V, Ba, Ga, Mo, U, Co, Cu, Pb, Zn, Y
	+ 10 % Check Sample	nos	4.1.17a	4,200	8	33600	
	Trench Samples: Graphite Proximate Analysis:	Nos	4.1.18	3,614	80	289120	20 nos. from BRS samples and 60 nos. from trench samples

	+ 10 % Check Sample	nos	4.1.18	3,614	8	28912	
	ICPMS (Quantitative analysis of 14 REE elements +9 trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS)	Nos	4.1.15	7400	20	148000	23 elements by ICPMS Method including U, Th, V, Ba, Ga, Mo, Co, Cu, Pb, Zn, Y & REE
	Sub Total E					8,35,632	
	LABORATORY STUDIES						
F	XRD analysis for identification of minerals (Random)	Nos	4.5.2	4,000	10	40000	
3	Physical & Petrological Studies						
4	Preparation of thin section	Nos	4.3.1	500	10	5000	
i	Preparation of polished section	Nos	4.3.2	800	10	8000	
ii	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)	Nos	4.3.4	2800	10	28000	
iV	Raman Spectrometry (graphite crystallinity)	Nos	4.5.1	2,700	5	13500	As per actual rate
V	EPMA	hrs	4.4.1	10,500	10	1,05,000	
6	Sub Total F					1,99,500	
	Total A to F					64,12,110	
G	Total Estimated Cost without GST					64,12,110	
L	Provision for GST (18% of J)					11,54,180	GST will be reimbursed as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST				-	75,66,290	
N				or Say Rs. In Lakhs	-	75.66	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						

2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency

Annexures 3B								
Time Schedule Action Plan for Preliminary exploration (G3) for Vanadium, Graphite, Barium and other associated minerals in Chaura-Maunkanda block, Champawat district, Uttarakhand								
Schedule Timeline: Phase-I (Total 6 months)								
S.No.			1	2	3	4	5	6
1	Camp Setting	Months/Days						
2	Geological Mapping & Sampling	days						
3	Ground Geophysical survey	Line Km						
4	Geophysicist party days (HQ) for data interpretation & Report	Days						
5	Survey Party days	days						
6	Geologist Man days (Field)	days						
7	Geologist Man days (HQ)	days						
10	Sampler Man days	days						
11	Laboratory Studies	Nos.						

Agenda 20.1.3 Preliminary Exploration (G-3) for REE Mineralization in Nosar Block, Balotra district, Rajasthan.

[Implementing Agency: M/s. Gemcokati Exploration Private Limited]

- a. The TCC-II observed that several NMEDT-funded projects related to REE/RM are presently ongoing in Rajasthan. The results of these projects will play a decisive role in guiding any future exploration in the region. Accordingly, no additional proposals for the exploration of REE/RM mineralisation in Rajasthan will be considered until the final geological report of any of the ongoing NMEDT-funded REE/RM project is reviewed. The committee informed that similar project proposal in Balotra district, Rajasthan, was also kept on hold in 18th meeting of TCC-II held on 4th & 8th December 2025.

Recommendation TCC-II

The Committee deferred this proposal until the review of any of the final geological report from the NMEDT-funded REE/RM projects in the adjacent areas of Siwana Ring Complex (SRC), Rajasthan.

Agenda 20.1.4 Reconnaissance Survey (G-4) in Bagor Block for base metal & associated critical & strategic minerals in Bhilwara district, Rajasthan.

[Implementing Agency: M/s. Critical Mineral Trackers (CMT)]

- a. The Critical Mineral Trackers informed the committee about the communication of Rajasthan state government via RSMET vide letter no. RSMET/F-205/2025-26/256 that the block has been identified as prospective potential G-4 reconnaissance block in Bhilwara and Bharatpur districts based on AI/ML-assisted mineral studies through NPEA using gravity, magnetic, lineament, lithological and geochemical datasets and the integrated analysis As per communication of state government via RSMET this block has been allocated to the agency.
- b. The agency informed the committee about the range of NGCM Basemetal and critical mineral elements values i.e., Cu (0.16-63) ppm, Pb (11-35) ppm, Zn (41-121) ppm, La (44-464.22) ppm, Ce (89-877) ppm, Co (2-28) ppm, Li (2-38) ppm, Ni (13-94.79) ppm, Va(68-179.35) ppm, W (0.25-2.99) ppm along with two marked structural lineament.
- c. This project was in-principally approved in 19th TCC-II. The proposed exploration block, covering an area of 84 sq. km, is located on Survey of India Toposheet No. 45 K/3 & K/7 and falls within parts of Bhilwara district, Rajasthan.
- d. The TCC-II Committee advised the agency to undertake limited field visit with reconnatory traverses and to collect additional representative samples, as the base metal values reported so far are not encouraging. The Committee further observed that the agency should first establish the type of pegmatite and determine the density of the pegmatite through appropriate studies before drawing any further conclusions for REE exploration. In view of the unpromising analytical results, the Committee suggested that the agency may suitably modify/rationalize the proposed area and based on the revised inputs and findings, resubmit the DPR for further consideration.

Recommendation TCC-II

The TCC-II Committee deferred the proposal and advised the agency to revise the DPR by incorporating the updated inputs and findings and resubmit the same for further consideration.

Agenda 20.1.5 Reconnaissance Survey (G-4) for base metal & associated critical, strategic mineralization in Rampura-Agucha Block, Tehsil Sahapura, Bhilwara district, Rajasthan.

[Implementing Agency: M/s. Critical Mineral Trackers (CMT)]

- a) The proposed exploration block, covering an area of 108.91 Sq.km, is located on Survey of India Toposheet No. 45K/9 & K/13 and falls within parts of Bhilwara district, Rajasthan.
- b) The Rajasthan State Mineral Exploration Trust (RSMET), Department of Mines, Government of Rajasthan, assigned Critical Mineral Trackers (CMT) the task of identifying potential G-4 reconnaissance blocks in the Rampura-Agucha Block, Tehsil Sahapura, Bhilwara district, Rajasthan, for further exploration of base metals and critical & strategic minerals using AI/ML-assisted mineral studies. The study was carried out under NPEA by integrating gravity, magnetic, lineament, lithological, and geochemical datasets. Based on the integrated analysis and as per the communication received from the State Government through RSMET, the said block has been allocated to the agency.
- c) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	Informed that the proposed G-4 block of NPEA, GSI has already undertaken partial G-4 level investigations. Consequently, most of the area overlaps with the existing GSI G-4 projects, while the remaining part is occupied by the Rampura-Agucha mine.
2	DMG Rajasthan	DGM Rajasthan informed that 1434.336 hectares area of this proposal area conflicts with one 10(A)(2)(b) case, which is under litigation at Hon'ble High Court of Rajasthan. 1200 hectares area of this proposal area conflicts with one held mining lease for mineral Cadmium, Lead, Silver, Zinc.
3	MECL	The block proposed by M/s. Critical Mineral Trackers is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area. Mining lease for Lead Zinc ore to Hindustan Zinc is present within the proposed block.

- d) The Committee advised the agency to obtain comments and suggestions from Hindustan Zinc Limited and duly consider the same while proceeding further with the project.
- e) The committee noted two primary conflicts regarding the proposed area: pending litigation under Case 10(A)(2)(b) at the Hon'ble High Court of Rajasthan, and a 1,200-hectare overlap with an active multi-mineral mining lease (Cadmium, Lead, Silver, and Zinc).

Recommendation TCC

The Committee, upon examination of the proposal, did not recommend the project.

20.2 Review of Ongoing Procurement Projects & Timeline Extension

Agenda 20.2.1 Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DGM Tripura]

- a. DGM Tripura informed that the project was approved in the 32nd EC Meeting held on 06th December 2023. The sanction order was issued on 02nd January 2024 with timeline of 12 months up to 01st January 2025 and approved cost was INR 36,76,000/-
- b. In the 6th TCC-II agency requested timeline extension 03 months Committee agree for timeline extension till 31st March 2025.
- c. DGM Tripura requested for timeline extension of 12 month up to 31st March 2026 and process the remaining fund so that issues of delayed payment may avoided in the gem portal.
- d. The TCC Committee recommended to PSC for timeline extension of 12 month up to 31st March 2026 for completion of procurement. Further The committee advised the agency to submit a detailed justification to NMEDT secretariat for delay in procurement process.

Recommendation TCC-II

The Committee examined the proposal and recommended approval of the PSC for a timeline extension of 12 months, up to 31st March 2026 for completion of procurement of machinery/ laboratory equipment/instruments.

Agenda 20.2.2 Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DGM Uttar Pradesh]

- a. The project was recommended by 49th TCC held on 31st January 2023 and approved in 28th EC held on 16th March 2023 with an approved cost of ₹ 76,95,000/- Lakh (including GST) for 12 months up to 02nd April 2024.
- b. The DGM, Uttar Pradesh requested the Committee to grant a timeline extension up to 31.03.2026 for the pending procurement of the Resistivity Meter, Handheld XRF, and Core Splitter.
- c. Details of the Instruments to be purchase as given below: -

S.No.	Name of item	Quantity	Status
1	Resistivity meter	01	Under Process
2	Handheld XRF	01	Under Process
3	Core Splitter	01	Under Process
4	Hand held GPS	05	Procured

- d. In the 11th TCC-II meeting, the agency requested for timeline extension for 9 months up to 31 December 2025 and subsequently committee recommends for PSC and PSC has approved in the 1st PSC Meeting held on 09th October 2025.

- e. DGM Uttar Pradesh requested for timeline extension of 4 months up to 30th April 2026.
- f. The Committee expressed its displeasure over the delay and requested that a chronological justification for the delay be submitted to the NMEDT Secretariat by the implementing agency.

Recommendation TCC-II

The Committee examined the proposal and recommended approval of the PSC for a timeline extension of 4 months, up to 30th April 2026 for completion of procurement of machinery/ laboratory equipment/instruments.

20.3 Review of Ongoing Projects/ Completed Project & Timeline Extension

**Agenda 20.3.1 Preliminary Exploration (G-3) for Bauxite, Gallium, Vanadium, REE in Sandhan Block, Kachchh District, Gujarat.
[Implementing Agency: Geo Marine Solutions Pvt. Ltd.]**

- a. M/s Geo Marine informed that the project was in-Principal Approval in the 2nd TCC-II held on 22nd and 23rd October 2024. Further (DPR) was recommended in the 3rd TCC-II held on 5th and 6th December 2024 and approved in the 39th EC Meeting held on 24th January 2025. The sanction order was issued on 10th February 2025 with timeline of 14 months (up to 09 April 2026) and Review after 5 months and the approved cost of the project was ₹203.14 Lakh.
- b. Further, the agency informed that Geological mapping and topographic survey were completed in the month of April 2025. Geological mapping revealed that the entire block was covered with soil and clay only.
- c. Accordingly, the first phase of drilling (800mx800m grid) in the Sandhan block was carried out and 14 out of 16 boreholes were drilled. The detailed core logging revealed that the clay at Sandhan were more ferruginous and calcareous nature. Further, the thin calcareous sediments in the form of ferruginous marl were infrequent in occurrence. Therefore, instead of analyzing all samples, representative samples drawn from all the bore holes and representative of all variants of clay and calcareous sediments were sent for analysis.
- d. Analysis results of the first phase of exploration indicated that –
 - a. Calcareous sediments had very low CaO and high SiO₂ and Fe₂O₃ contents.
 - b. All the clay samples had very low total REE content.
- e. Based on the above results, the committee opined that the block did not show any potential for either for limestone or for total REE.
- f. The TCC-II Committee recommended for pre closure of the project and submit the final geological report.

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for Pre closure of the project Sandhan Block and submission of the final geological report.***
- ***The item has also been recommended to PSC for revision of cost from Rs. 203.14 lakh to Rs. 81.06 lakh Annexure 4.***

Cost Estimates for Preliminary Exploration (G3) for the assessment of Bauxite, Gallium, Vanadium & REE minerals in Sandhan Block, Kachchh District, Gujarat. Total Area - 9.85 Sq. Km; Drilling- 630m, Completion Time - 14 Months, Review: after 5 months
Implementing Agency: Geo Marine Solutions Pvt. Ltd.

S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Estimated Cost of the Proposal		Achieved Qty	Amount as per Achieved Qty	Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)			
A	Geological Mapping Other Geological Work & Surveying								
	Geological mapping, (1:4,000 scale)								
i	a. Charges for Geologist per day (Field) for geological mapping(125 days) & drilling work(75days)	day	1.3	11,000	200	22,00,000	150	1650000	75% of approved mandays will be considered for billing as 400m of drilling was remaining.
ii	b. Labours Charges; Base rate	day	5.7	526	400	2,10,400	300	157800	
	c. Charges for Geologist per day (HQ)	day	1.3	9,000	60	5,40,000	45	405000	
	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5,100	68	3,46,800	8	40800	

	Labours Charges(4 labourers)	day	5.7	526	2,104	11,06,704	32	16832	In the 3rd TCC-II meeting, the number of labourers was inadvertently mentioned as 2104; the correction has been made during the revision
	Sub Total- A					44,03,904		2270432	
C	Survey work							0	
a	Surveyor for DGPS Survey for BH fixation & RL determination(63 BH plus 6 Boundary points)	Per Point of observation	1.6.2	19,200	69	1324800	20	384000	
b	Charges of Surveyor (1 party) for topographic mapping in 1:4000 scale	one surveyor per day	1.6.1a	8,300	60	498000	60	498000	
c	Labours Charges for survey work(4 labourers)	day	5.7	526	240	126240	240	126240	
	Sub-Total C					19,49,040		1008240	
D	Piiting(20 PIT upto 2 m)	CU M	2.1.2	3,800	40	152000		0	Pitting removed
E	DRILLING							0	
1	Drilling in soft rock 10.0m,or upto bedrock whichever is occuring first (63 BH *10)	m	2.2.1.1b	7,168	630	45,15,840	222	1591296	soft rock, Phase -I 400mX400m grid and and phase -II after

									review of phase-I results
2	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH						0	as per actuals/SoC and details will be submitted during Review
3	Transportation of Drill Rig & Truck associated per drill (1 rigs)	Km	2.2.8	36	3,673	1,32,228	3,673	132228	
4	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	3	1,50,000	2	100000	
5	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	250000	
6	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	1	250000	
7	Drill core Preservation	m	5.3	1,590	630	10,01,700	222	352980	
	Sub Total E					62,99,768		2676504	
G	LABORATORY STUDIES							0	
1	Chemical Analysis							0	
v)	BH Core samples							0	
	Primary + 10 % Check Sample for major oxides and LOI by XRF technique(one third of total 630 samples+40 pit samples from 20 pits)	Nos	4.1.15a	4,200	275	11,55,000	12	50,400.00	
	Analysis for Gold by fire assay technique	Nos	4.1.5a	2,380	10	23,800		0	

	b.Primary +check samples For REE ,Ga,V,Sc,Y,Nb,Ta,Li and other Trace elements : by ICPMS 34 elements (one third of total 630 samples+20 pit samples)	Nos	4.1.14	7,731	231	17,85,861	50	3,86,550.00	
	Combined determination of Trihydrate Alumina(THA-140°C), Monohydrate Alumina(MHA-240°C)& Reactive Silica	Nos	4.1.17a	6,700	5	33,500		0	
	Determination of Trihydrate Alumina (THA-140°C)	Nos	4.1.17b	2,000	5	10,000		0	
	Determination of Monohydrate Alumina(MHA-240°C)	Nos	4.1.17c	3,500	5	17,500		0	
	Determination of Reactive Silica	Nos	4.1.17d	1,500	5	7,500		0	
	Determination of Bond Work Index	Nos	4.1.17e	10,000	5	50,000		0	
2	<u>Physical & Petrological Studies</u>							0	
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530		0	
iii	Preparation of polished section	Nos	4.3.3	1,185	10	11,850		0	
ii	petrographic/ore microscopic study	Nos	4.3.4	4,232	20	84,640		0	
v	Digital Photographs	Nos	4.3.7	280	20	5,600		0	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMEDT.

	XRD	Nos	4.5.1	4,000	10	40,000		0	TCC-II recommended in 3rd meeting
	Determination of insitu bulk density	Nos	4.10	3,540	10	35,400		0	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.
	Sub Total G					32,84,181		4,36,950.00	
H	Total A to H					1,60,88,893		63,92,126.00	GST will be reimburse as per actual and as per notified prescribed rate
I	Geological Report Preparation	5 Hard copies with a soft copy	5.2	Exploration cost exceeding 50 lakh but less than 150 lakh : A Minimum of ₹2.5 lakh or 5% of the work		8,04,445		3,19,606.30	

				whichever is more					
J	Peer review Charges		As per EC decision					30,000.00	
K	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		3,21,778		1,27,843	
L	Total Estimated Cost without GST					1,72,15,115.51		68,69,574.82	
M	Provision for GST (18% of J)					30,98,721		12,36,523.47	
N	Total Estimated Cost with GST					2,03,13,836		81,06,098.29	1,22,07,738.01
		or Say Rs. In Lakhs				203.14		81.06	122.08
Note:									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement								
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.								
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.								
5	Any item of work not mentioned above shall be added as per SoC.								
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency								

Agenda 20.3.2 Reconnaissance Survey (G-4) for Phosphorite in Bijawar-Imiliya block, Chhattarpur district, Madhya Pradesh

[Implementing Agency: Madhya Pradesh State Mining Corporation Limited (MPSMCL)]

- a. The project was recommended in 57th meeting of TCC held on 26th & 27th September, 2023 held and approved in 32nd EC meeting held on 6th December 2023. Sanction order was issued on 12th December 2023 with approved cost of ₹126.86 Lakh with timeline of 12 months up to 11th December 2024. Timeline extension of 6 months up to 11th June 2025 was approved in 41st EC meeting held on 11th March 2025.
- b. The project was discussed in the 19th TCC-II held on 16th & 17th December 2025, the committee noted that the results of bedrock sampling as well as pitting indicate that P₂O₅ values range from 0.10% to 1.48%, which are not encouraging for further continuation at the present stage. Further, the agency requested a timeline extension of 08 months, up to 10th February 2026. as the work progress was adversely affected due to:
 - Approachability/access constraints during the rainy season, leading to restricted field operations in several stretches/locations; and
 - Administrative issues, including delays related to local coordination/permissions and associated field logistics.
- c. The Committee recommended for approval of the PSC for pre closure of the project and submission of the final Geological Report (GR).

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for Pre closure of the project and submission of the final Geological Report (GR).***
- ***The item has also been recommended to PSC for approval of revised cost from ₹126.86 lakh to ₹28.87 lakh, Annexure 5.***
- ***The project was delayed due to approachability/access constraints during the rainy season, administrative issues and local coordination/permissions.***

Annexure-5

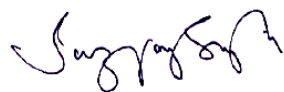
**Estimate Cost for Reconnaissance Survey (G-4) for Phosphorite in Bijawar-Imiliya block, Chhattarpur district, Madhya Pradesh Area 95.67 sq.km, Bh:10 nos., Timeline: 12 months, Review: 4 months,
Implementing Agency: Madhya Pradesh State Mining Corporation Limited (MPSMCL)**

S.no	Item of Work	Unit	Item Code	NMEDT Approved Cost			Work Done during the Billing Period (details w.r.t. the current bills)			Remarks
				Oty.	Rate	Value (Rs.)	Oty.	Rate	Value (Rs.)	
1	LARGE SCALE GEOLOGICAL MAPPING WORKS (1:12500 scale & 95.67 Sq.Km. area)									
1.1	Geologist Party days - Field	days	1.2	120	11,000	13,20,000	90	11,000	9,90,000	
1.2	Geologist Party days - HQ	days	1.2	60	9,000	5,40,000	45	9,000	4,05,000	
1.3	Labour charges for geological field work	days	5.7	240	494	1,18,560	180	494	88,920	
2	PITTING & TRENCHING									
2.1	Trench upto 2m depth	cum		200	3,330	6,66,000	200	3,330	6,66,000	
4	Drilling in medium hard rock depth up to 300 m (Outsourced)	m.	2.2.1.3a	300	10,100	30,30,000				
5	Borehole Pillaring	per borehole	2.2.7a	0	2,000	-				

6				41						Earlier wrongly calculated of sampler charge
	Sampler	per day	1.5.2		5,100	2,10,375				
7	Labour for sampling	per day	5.7	165	494	81,510				
8	Transportation of drilling & truck (HQ → drill site)	per km	2.2.8	0	36	-				
9	Monthly accommodation charges for drilling camp	monthly	2.2.9	0	50,000	-				
10	Drilling camp shifting cost	per drill	2.2.9a	0	2,50,000	-				
11	Drilling camp winding cost	per drill	2.2.9b	0	2,50,000	-				
12	Repair	per km	2.2.10a	0	22,020	-				
13a	Chemical analysis of phosphorite rock (Wet)	per sample		300	9,805	29,41,500	20	800	16,000	
13b							78	718	56,004	
13c	Check sample (External – 10%)	per sample		30	9,805	2,94,150				
14a	Preparation of standard thin section of rock	per sample		10	2,353	23,530				
14b	Digital photomicrograph of thin polished section	per sample		10	280	2,800				
14c	Modal analysis of thin section	per sample		0	3,780	-				
14d	Complete petrographic / ore microscopic study	per sample		10	4,232	42,320				

14e	Geochemistry studies (ICPMS – 34 elements)	per sample		20	7,731	1,54,620				
14f	Geotechnical laboratory – specific gravity of rock	per sample		0	1,605	-				
14g	Drill core preservation	per m		160	1,590	2,54,400				
	Land & Crop compensation	per borehole		0	20,000	-				
15	Sub Total					96,79,765			22,21,924	
16	Preparation of Exploration Proposal (HAC)	One number	5.1	1	1,93,595	1,93,595			44,438	
17	Geological Report Preparation	One number	5.2	1	4,83,968	4,83,968			1,50,000	
18	Tendering Process (2% or ₹5 lakh, whichever is less)	–	2.3	1	60,600	60,600			0	
19	Operation Charges	–	6 (i)	1	3,03,000	3,03,000			-	
	Peer Review	–		1	30,000	30,000	1	30,000	30,000	
	Subtotal					1,07,50,928			24,46,362.48	
	GST @ 18%					19,35,167			4,40,345.25	
	Total					1,26,86,095			28,86,707.73	97,99,387.31
	Rs. in Lakhs					126.86			28.87	97.99
Note:										

1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.			
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement			
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.			
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.			
5	Any item of work not mentioned above shall be added as per SoC.			
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency			




Agenda 20.3.3 Reconnaissance Survey (G-4) for Limestone in Dhanokhar Nagod Limestone Block, Panna & Satna District, Madhya Pradesh.

[Implementing Agency: Madhya Pradesh State Mining Corporation Limited (MPSMCL)]

- a. MPSMC informed that the project recommended in its 60th TCC meeting held on 27th -28 th December 2023 and was approved in the 33rd EC Meeting held on 19th February 2024. The sanction order was issued on 28th February 2024 with timeline of 09 months (up to 27.11.2024) and approved cost was INR 78,74,163/-.
- b. In the 7th TCC-II meeting was held on 24th and 25th March 2025. The MPSMCL presented the status of progress of work in this project. The agency further requested an extension of eight (08) months for submission of the GR. The Committee recommended the proposal for approval by the EC. Accordingly, the extension of eight (08) months, up to 27th July 2025, for submission of the GR was approved in the 42nd EC meeting held on 2nd July 2025.
- c. MPSMCL informed that, geological mapping of 101 sq. km. area on 1:12,500 scale has been done along with Pitting/Trenching of 40 cu. m.
- d. The Committee during the review advised the agency to prepare suitable LSM, geological sections, for planning of BH locations. Properly accumulate data on thickness of limestone with analysis results.
- e. Further, the agency requested a timeline extension of ten (10) months up to 26 May 2026. The delay occurred due to:
 - (i) Water-logged conditions in and around the Nagod area, which constrained field activities and movement; and
 - (ii) Non-permission for pitting by farmers during the cultivation period, resulting in restricted access to certain locations.
- f. The TCC-II committee agree for timeline extension of ten (10) months up to 26 May 2026 for remaining work execution and submission of Geological report (GR). The committee asked the agency to submit a detailed justification to NMEDT secretariat for seeking timeline extension.

Recommendation TCC-II

- ***The Committee recommended the proposal for approval of the PSC for a timeline extension of ten (10) months up to 26 May 2026 for remaining work execution and submission of Geological report (GR).***

Agenda 20.3.4 Reconnaissance Survey (G-4) for Copper Bearing Minerals around Musabani, Dumriya, Maheshpur areas in East Singhbhum District, Jharkhand.

[Implementing Agency: Natural Resources Division-Tata Steel Limited]

- a. The project was recommended by 67th TCC held on 24th, 25th and 26th July 2024 and approved in 37th EC held on 23/09/2024 with an approved cost of ₹ 288.14 Lakh (including GST) for 10 months up to 29/08/2025.
- b. In the 11th TCC-II meeting held on 23rd, 24th & 25th July 2025 and 30th July 2025. The agency requested for timeline extension of 06 months up to 28th February 2026. The committee recommended for approval of PSC for Timeline extension of 6 months up to 28th February 2026 and was approved in the 1st PSC meeting held on 9th October 2025.
- c. NRD Tata Steel Limited informed that, based on geological mapping two (2) potential blocks were identified for Geophysical Survey. The agency also presented the status of the geophysical investigation results, including interpretation of the acquired data.

Based on the outcomes of the geophysical studies, the agency also proposed a tentative borehole drilling plan indicating the number, locations, and depth of the boreholes for further subsurface exploration.

- d. The TCC-II Committee advised the agency to undertake an initial drilling programme in three of the boreholes based on geophysical interpretations—Borehole Nos. 1 and 3 in the northern part of the block and one Borehole Nos. 5 in the southern part of Block. Further borehole planning will be finalized after review of the results of these initial boreholes.

Recommendation TCC-II

The Committee recommended the initial drilling programme in three of the boreholes based on geophysical interpretations—Borehole Nos. 1 and 3 in the northern part of the block and one Borehole No. 5 in the southern part of Block. Further borehole planning will be finalized after review of the results of these initial boreholes.

Agenda 20.3.5 Reconnaissance Survey (G-4) for Limestone in and around Nanhwara Kymore Area, Katni District, Madhya Pradesh.

[Implementing Agency: Engeotech Consultant]

- a. M/s Engeotech Consultants informed that the project (DPR) was recommended in the 3rd TCC-II held on 5th and 6th December 2024 and approved in the 39 th EC Meeting held on 24th January 2025. The Sanction Order was issued on 10th February 2025 with timeline of 10 months (up to 09.12.2025) and approved cost was INR 70,14,523/-
- b. Subsequently Engeotech informed the project was review in the 9th TCC-II held on 29 th & 30th May 2025, and the project was approved in the 43rd EC Meeting held on 14th august 2025. The committee recommended the proposal for approval of EC for “additional drilling in 6 Boreholes (180m)” with total revised cost of ₹103.59 Lakh as per annexure V. Total 290 meter of drilling will be done in 9 Bore holes with depth range of 30/50m (8 BHx30m each & 1 BHx50m).
- c. The committee observed that the borehole PBH-3 proposed shifted location came close to the block boundary which is not in line with MEMC norms for drilling and suggested to drop the borehole PBH-3. The committee agreed for recommendation of timeline extension on 6 months up to 8th June 2026.

Recommendation TCC-II

- **The Committee recommended the proposal for approval of PSC for dropping one borehole (PBH-3) and for granting a timeline extension of six months, up to 8th June 2026 for submission of final Geological report, in view of delays caused by local agitation and the rainy season.**
- ***The item has also been recommended to PSC for approval of revised cost from ₹103.59 lakh to ₹98.40 lakh, Annexure-6***

Cost Estimate for Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Area in Katni District of Madhya Pradesh, Area 22.52 sq. km, No.of BH: 08, Borehole depth range- 30/50 m; Schedule timeline- 10 months Review: After 3 Months

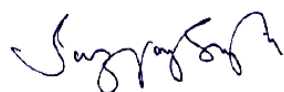
S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Original Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	Qty.	Total Amount (Rs)	
A	Geological Mapping (1:12500) & Other Geological Work								
1	Charges for Geologist man days for LSM and & sampling	day	1.2.b	11,000	90	9,90,000	90	9,90,000	No Change
2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	No Change
3	Charges for Geologist per day (HQ) for data interpretation and Map preparation	day	1.2.a	9,000	60	5,40,000	60	5,40,000	No Change
	Sub Total- A							16,24,680	No Change
B	Survey work								
1	Charges of Surveyor for survey layout work & Block boundary demarcation	per day	1.6.1a	8,300	45	3,73,500	45	3,73,500	No Change
2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	No Change
3	DGPS Survey for boundary pillar, BH fixation & RL determination	Per Point	1.6.2	19,200	22	4,22,400	21	4,03,200	09 BH to 08 BH
	Sub-Total B					8,90,580		8,71,380	No Change
C	Mineral Investigation								

1	Excavation of Pit upto 2.0 m depth	per cu.m.	2.1.2	3,800	18	68,400	18	68,400	No Change
	Sub-Total C					68,400		68,400	No Change
D	DRILLING								
1	Drilling up to 300m (Medium Hard Rock)	m	2.2.1.3a	7,168	290	20,78,720	260	18,63,680	(8x30m + 1x50m) to (7x30m + 1x50m)
2	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	9	18,000	8	16,000	09 BH to 08 BH
3	Transportation of Drill Rig & Truck associated per drill (1 rigs)	Km	2.2.8	36	300	10,800	300	10,800	No Change
4	Monthly Accomodation Charges for drilling Camp	month	2.2.9	50,000	2	1,00,000	2	1,00,000	No Change
5	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	2,50,000	No Change
6	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	1	2,50,000	No Change
7	Road Making (Flat Terrain)	Km	2.2.10a	22,020	1	22,020	1	22,020	No Change
8	Drill Core Preservation	per m	5.3	1,590	150	2,38,500	135	2,14,650	15m reduced
9	Sample Processing	per day	1.5.2	5,100	33	1,68,300	33	1,68,300	As per NMEDT
10	Labours Charges; Base rate	day	5.7	526	132	69,432	132	69,432	As per NMEDT
11	Land/Crop Compensation	per BH	5.6	20,000	9	1,80,000	8	1,60,000	09 BH to 08 BH
	Sub Total D					33,85,772		31,24,882	

E	Borehole Geophysical Logging & Sampling								
1	Logging & Sampling	per day	1.2.b	11,000	-		-	-	
	Sub Total E							-	
F	LABORATORY STUDIES								
	Chemical Analysis								
1	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)	Nos	4.1.9	8,157	240	19,57,680	225	18,35,325	(200 BH+40 BRS) to (185 BH+40 BRS)
	External Check Samples (10 percent)	Nos	4.1.9	8,157	24	1,95,768	23	1,87,611	10% check
	<u>Physical & Petrological Studies</u>								
2	Preparation of thin section	Nos	4.3.1	2,353	5	11,765	5	11,765	No Change
3	Study of thin section	Nos	4.3.4	4,232	5	21,160	5	21,160	No Change
4	Digital Photographs	Nos	4.3.7	280	10	2,800	10	2,800	No Change
5	Bulk Density	Nos	4.8.1	3,540	5	17,700	5	17,700	No Change
	Sub Total F					22,06,873		20,76,361	
G	Total A to F					81,76,305		77,65,703	

H	Geological Report Preparation	5 Hard copies with a soft copy	5.2	Exploration cost exceeding 50 lakh but less than 150 lakh: A Minimum of ₹2.5 lakh or 5% of the work whichever is more		4,08,815		3,88,285	As per NMEDT
I	Peer review Charges		As per EC decision			30,000		30,000	
J	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is less		1,63,526		1,55,314	As per NMEDT
K	Total Estimated Cost without GST					87,78,646		83,39,302	
L	Provision for GST (18% of J)					15,80,156		15,01,074	GST will be reimburse as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					1,03,58,803		98,40,377	5,18,425.97
	Say Rs. In Lakhs					103.59		98.40	5.18
Note:									

1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency




Agenda 20.3.6 Preliminary Exploration (G-3) in Jhalauthar Phosphorite Block for Rock Phosphate, Bada Malehra Taluka, Chhatarpur District, Madhya Pradesh.

[Implementing Agency: Engeotech Consultant]

- a. The project was recommended by 67th TCC held on 24th, 25th and 26th July, 2024 and approved in 37th EC held on 23rd September 2024. The Sanction Order was issued on 30th October 2024 with timeline of 12 months (up to 29th October 2025) and approved cost of the project was ₹172.01 Lakh (including GST).
- b. M/s Engeotech Consultants requested an extension of the project timeline by eight (08) months, up to 28 June 2026, during the 11th TCC-II meetings held on 23rd, 24th & 25th July 2025 and 30th July 2025. The Committee recommended the proposal for approval by the EC. The extension of eight (08) months for report submission, up to 28 June 2026, was approved in the 1st PSC meeting held on 9th October 2025.
- c. The agency presented the status of the geological mapping sample analysis results, the agency also proposed a tentative borehole drilling plan indicating the number, locations, and depth of the boreholes for further subsurface exploration.
- d. The TCC-II Committee advised the agency to undertake an initial drilling programme of three boreholes in the first phase, comprising one borehole in Badi Jhalauthar (NBH-4) and two boreholes in Choti Jhalauthar (NBH-1 and NBH-5). The remaining three boreholes will be finalized after review of the results of these initial boreholes.

Recommendation TCC-II

The Committee advised the agency to undertake three boreholes in the first phase—one at Badi Jhalauthar (NBH-4) and two at Choti Jhalauthar (NBH-1 and NBH-5). The remaining boreholes will be finalized after review of the initial results.

Agenda 20.3.7 Reconnaissance Survey (G-4) for Wollastonite in Bhadli Block, District-Banaskantha, Gujarat.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a. The project was recommended in 5th TCC-II meeting held on 27th, 28th & 29th January 2025 and approved in the 40th EC Meeting held on 21st February 2025. The sanction order was issued on 05 March 2025 with timeline of 10 months up to 04 January 2026 and approved cost was ₹160.76 Lakh.
- b. In the 12th TCC-II the project was discussed and MECL informed that the two potential areas were identified, and approval was sought for 1:5,000 scale detailed mapping and trenching.
- c. In the 12th TCC-II, The TCC-II Committee approved 1:5,000 scale detailed mapping over 5 sq.km with trenching, recommended XRD analysis of 20 samples, advised consultation with IMMT Bhubaneswar for beneficiation of low-grade wollastonite, and sought clarification on the grade analysis methodology.
- d. The TCC-II Committee observed that the presence of wollastonite, it is thin, discontinuous, fine-grained, and mostly occurs as a minor accessory phase, which is unsuitable for industrial use.
- e. Further Committee observed that the chemical analyses show highly variable CaO–SiO₂ values, with most samples below industry requirements and not comparable to nearby commercial wollastonite deposits. Wollastonite-bearing zones lack continuity,

strike persistence, and mineable thickness, and therefore do not meet commercial specifications.

- f. Based on integrated studies, the TCC-II committee recommended for pre closure of the project as the mineralisation does not justify further drilling.

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for Pre closure and timeline extension of 03 months, up to 31st March 2026, for submission of the final Geological Report (GR).***
- ***The item has also been recommended to PSC for approval of revised cost from ₹160.76 lakh to ₹53.50 lakh, Annexure 7.***



Estimated cost for Reconnaissance Survey (G-4) for Wollastonite in Bhadli Wollastonite Block (107.89 sq km), District: Banaskantha, Gujarat. [Nos. of Borehole- 10; Borehole depth range: 50m; Schedule timeline- 10 months, Review: after 3 months]

S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Estimated Cost of the Proposal		Revised Cost		Remarks
			SoC-Item -SI No.	Rates as per SoC					
					Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK								
1	Geological Mapping (1:12500), Borehole logging, sampling & Report writing								
i	Charges for Geologist- Field (1 party)	day	1.2	11,000	180	19,80,000	144	15,84,000	
ii	Charges for one Geologist - HQ	day	1.2	9,000	60	5,40,000	30	2,70,000	
iii	2 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	526	360	1,89,360	288	1,51,488	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Bedrock, Trench and Core Sampling -1 Sampler Labour charge not included	day	1.5.2	5,100	30	1,53,000	30	1,53,000	
v	4 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	526	120	63,120	120	63,120	Amount will be reimburse as per the notified rates by the Central Labour

									Commissioner or respective State Govt. whichever is higher
2	Survey							-	
i	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes by DGPS and boundary coordinates	Per Point of observation	1.6.2	19,200	10	1,92,000	-	-	10 BHs, But drilling not recommended, Hence quantum is Nil
	Sub Total- A					31,17,480		22,21,608	
B	TRENCHING & PITTING								
i	Trenching (1m X 2m X 10m)	per cubic m	2.1.1	3330	300	9,99,000	300	9,99,000	15 nos of trenches will be carried out
	Sub Total- B					9,99,000		9,99,000	
C	DRILLING								
i	Drilling upto 300m (1 rig)	m	2.2.1.4a	11,500	500	57,50,000	-	-	Scout Drilling
ii	Land / Crop Compansation	per BH	5.6	20,000	10	2,00,000	-	-	Amount will be reimburse as per actuals or max. Rs. 20000 per BH with certification from local authorities
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	10	20,000	-	-	

iv	Transportation of Drill Rig & Truck associated per drill (1 rigs)	Km	2.2.8	36	2,200	79,200	-	-	Certification in this regard is required to be provided
v	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	2	1,00,000	-	-	
vi	Drilling Camp Setting Cost (1 rigs)	Nos	2.2.9a	2,50,000	1	2,50,000	-	-	
vii	Drilling Camp Winding up Cost (1 rigs)	Nos	2.2.9b	2,50,000	1	2,50,000	-	-	
viii	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	4	88,080	-	-	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed later
ix	Core Preservation: One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	115	1,82,850	-	-	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
	Sub Total- C					69,20,130		-	
D	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples for Wollastonite								
	a. Channel Primary samples for major oxide studies (i.e. CaO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂ , FeO, MnO, P ₂ O ₅ , MgO, Na ₂ O, K ₂ O, LOI) by XRF method.	Nos	4.1.15a	4,200	55	2,31,000	40	1,68,000	BRS samples would be collected from Channel

	b. Trench Primary samples for major oxide studies (i.e. CaO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂ , FeO, MnO, P ₂ O ₅ , MgO, Na ₂ O, K ₂ O, LOI) by XRF method.	Nos	4.1.15a	4,200	75	3,15,000	75	3,15,000	
	c. Borehole Primary samples for major oxide (i.e. CaO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂ , FeO, MnO, P ₂ O ₅ , MgO, Na ₂ O, K ₂ O, LOI) by XRF method.	Nos	4.1.15a	4,200	70	2,94,000	-	-	Drilling is not recommended
	d. External(10%) Check samples from NABL Lab (i.e. CaO, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂ , FeO, MnO, P ₂ O ₅ , MgO, Na ₂ O, K ₂ O, LOI) by XRF method.	Nos	4.1.15a	4,200	20	84,000	12	50,400	
	e. 34 element ICPMS Study for Sn, W, Rb, Sr, Cs, U, Th, F, Cu, Pb, Zn, Ni, Co, Mo, Li, Ga, V, As, Au, Ag & REEs (La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc)	Nos	4.1.14	7,731	20	1,54,620	20	1,54,620	
2	Physical & Petrological Studies								
i	For Petrographic Studies:								
	a. Preparation of thin section	Nos	4.3.1	2,353	40	94,120	30	70,590	
	b. Complete petrographic study report	Nos	4.3.4	4,232	40	1,69,280	30	1,26,960	
	c. Modal analysis of thin section	Nos	4.3.8	3,780	40	1,51,200	-	-	
	d. Aspect Ratio Study	Nos	4.3.4	4,232	10	42,320	-	-	
iv	For Mineragraphic Studies							-	
	a. Preparation of polished section	Nos	4.3.2	1,549	5	7,745	3	4,647	

	b. Complete mineragraphic study report	Nos	4.3.4	4,232	5	21,160	3	12,696	
v	Digital Photographs	Nos	4.3.7	280	20	5,600	20	5,600	
vi	Bulk Density studies	Nos	4.1	3,540	5	17,700	-	-	
vii	XRD Analysis for mineral phase study	Nos	4.5.1	4,000	20	80,000	20	80,000	
	Sub Total- D					16,67,745		9,88,513	
D	Total A to D					1,27,04,355		42,09,121	
E	Geological Report Preparation		5.2 ii	For the projects having cost exceeding Rs. 50 lakhs - A minimum of Rs. 2.5 lakhs or 5% of the value of work whichever is more. 3000 per each additional copy		6,35,218		2,10,456	5.2.i For the projects having cost upto Rs. 50 lakhs - A minimum of Rs. 1.5 lakhs or 5% of the value of work whichever is more. 1000 per each additional copy
F	Peer review Charges		As per EC decision			30,000		30,000	
G	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5 Lakhs		2,54,087		84,182	Already Bill raised from the proposed cost.

				whichever is lower					
H	Total Estimated Cost without GST					1,36,23,660		45,33,759	
I	Provision for GST (18% of I)					24,52,259		8,16,077	GST will be reimburse as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST					1,60,75,919		53,49,836	<i>Estimated Cost Say Rs. 160.76 Lakh</i> <i>Revised Cost Say Rs. 53.50 Lakh</i>
	Say Rs. In Lakhs					160.76		53.50	107.26
Note:									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement								
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.								
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.								
5	Any item of work not mentioned above shall be added as per SoC.								
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency								




Agenda 20.3.8 Reconnaissance Survey (G-4) for REE and Phosphorite in Sumarsar Block, Kachchh District, Gujarat.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a. The project was recommended in 6th TCC-II meeting held on 27th, 28th February 2025 & 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 19 March 2025 with timeline of 10 months up to 18 January 2026 and approved cost was ₹177.60 Lakh.
- b. MECL informed that geological mapping of 100.20 sq. km. area on 1:12,500 scale has been done along with collection of 50 BRS, 10 Pit samples and 88 Auger drill samples. Two potential area of 11 sq. km. and 5 sq. km. have been identified and drilling in 3 scout boreholes with total 300m depth was proposed. Values of Σ REE in BRS ranges from 58.78ppm to 1527.08ppm; in Pit samples the maximum value is 527ppm and in Auger BH samples the value ranges from 535.94ppm to 694.14ppm. The agency further requested for timeline extension of 3 months and 12 days up to 30th April 2026.
- c. In view of the above, the committee agreed for recommendation of the project for approval of PSC for timeline extension 3 months and 12 days up to 30th April 2026. However, the committee did not agree for commencement of drilling in the project,

Recommendation TCC-II

The committee recommended for approval of the PSC for timeline extension of 03 months and 12 days, up to 30th April 2026, for submission of the final Geological Report (GR).

Agenda 20.3.9 Reconnaissance Survey (G-4) for REE and Associated Minerals in Saiyedpar Block, District: Kachchh, Gujarat.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a. The project was recommended in 6th TCC-II meeting held on 27th, 28th February 2025 & 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 19 March 2025 with timeline of 10 months up to 18 January 2026 and approved cost was ₹183.76 Lakh.
- b. The agency informed that the saiyedpar block area covered mainly by Bhuj and Katrol formation of kachchh basin. As observed:-
 - Ferruginous Sandstone and shale in the central part of the block shows relatively higher value of CREE+Y (up to 0.11% 2REE+Y).
 - The Pit samples from Pit No-1 and Pit-2 dug in the same part shows higher value of CREE+Y (up to 0.15% CREE+Y)
 - The BRS Samples which shows CREE+Y >500 ppm are having Y values 58.10 ppm to 446.03 ppm.
 - Auger BH drilled in the weathered profile over ferruginous sandstone and shale in the central part of the block exhibit encouraging CREE+Y up to 0.20 % of CREE+Y
- c. Further agency informed that the potential area has been marked over ferruginous sandstone and shale unit in the central part of the block. This area may be test by 5 Nos scout boreholes with two (02) Bhs with 100 m depth and three (03) Bhs with 50 m depth in similar pattern of scout drilling approved in Nokhaniya and Devpur Block

Hence cumulative drilling will be 350 m in 5 Bhs within the approved scout drilling quantum of 500 m.

- d. Further, it is requested to grant 3-month time extension to submit the GR. (Original Timeline is till 18th January. 2026)
- e. The TCC-II Committee agree for 5 Nos scout boreholes with two (02) Bhs with 100 m depth and three (03) Bhs with 50 m depth and also recommended for 3month time line extension up to 17th April 2026, for submission of the final Geological Report (GR).

Recommendation TCC-II

The committee recommended for approval of the PSC for timeline extension of 03 months, up to 17th April 2026, for submission of the final Geological Report (GR).

Agenda 20.3.10 Reconnaissance Survey (G-4) for REE, RM, Glauconite and Phosphorite in Devisar Block, District: Kachchh, Gujarat [Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a. The project was recommended in 6th TCC-II meeting held on 27th, 28th February 2025 & 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 19 March 2025 with timeline of 10 months up to 18 January 2026 and approved cost was ₹251.38 Lakh.
- b. MECL informed that the lithounits exposed in the Devisar block belongs to Katrol and Bhuj formation. A total 25 Bed Rock Samples have been analysed, out of which 3 samples are showing $\Sigma\text{REE}+\text{Y}$ more than 500ppm upto 868.12 ppm. The said block is in northern continuation of Devpur block where 300 m of drilling was approved.
- c. The agency Further, requested for timeline extension three (03) months up to 17th April 2026 for submission of Final Geological Report. (Original Timeline is till 18th January. 2026).
- d. The committee agreed for timeline extension three (03) months up to 17th April 2026 for submission of Final Geological Reports. However, the decision of drilling in the block to be taken after the drilling outcome of the adjacent Devpur Block.

Recommendation TCC-II

The committee recommended for approval of the PSC for timeline extension of 03 months, up to 17th April 2026, for submission of the final Geological Report (GR).

Agenda 20.3.11 Preliminary Exploration (G-3) for Kyanite and Sillimanite in Malada Block, District- Bhandara and Gondia, Maharashtra. [Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

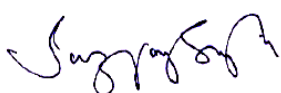
- a. The project was recommended in 74th TCC-I meeting held on 20th and 21st February 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 19 March 2025 with timeline of 10 months up to 18 January 2026 and approved cost was ₹140.41 Lakh.
- b. The agency inform that the detailed topographical survey, geological mapping, and traverses were conducted in the largely soil- and laterite-covered Malada Block.

Limited bedrock exposures were sampled and analysed, and trenching at favourable locations was undertaken.

- c. No surface occurrences of kyanite or sillimanite have been recorded within the quartz-mica schist and 95% of the area is under soil cover. To validate the earlier proven kyanite/sillimanite bands trenching was carried out. Across trenches, Al_2O_3 ranges - 15-42%. SiO_2 ~26-56%, Fe_2O_3 ~1.39-13.97%, K_2O up to 5.42
- d. Further, the agency stated that the petrographic and chemical analysis show that Al_2O_3 enrichment is due to mica and feldspar, not AlSiO_5 minerals. As per IBM norms, none of the samples meet the required modal content for kyanite–sillimanite deposits, and the recorded kyanite occurs only as small, isolated, discontinuous lenses with no economic potential.
- e. The combined petrographic and geochemical evidence demonstrates that, although kyanite and sillimanite are mineralogically present, the studied rocks do not constitute an economic kyanite or sillimanite deposit, either as run-of-mine material or after reasonable beneficiation.
- f. The agency Further, requested for timeline extension two (02) months 13 days up to 31 March 2026 for submission of Final Geological Reports. (Original Timeline is till 18th January. 2026)
- g. The committee agreed for timeline extension two (02) months 13 days up to 31 March 2026 for submission of Final Geological Reports.
- h. After detailed technical deliberations, the TCC-II Committee recommended for pre-closure of the project, as the results were not encouraging for further exploration.

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for Pre closure of the project and for submission of the final Geological Report (GR).***
- ***The item has also been recommended to PSC for approval of revised cost from ₹140.41 lakh to ₹25.09 lakh, Annexure 8.***



Estimated cost for Preliminary Exploration (G-3 Stage) for Kyanite and Sillimanite in Malda Block, District- Bhandara and Gondia, Maharashtra
Block area- 1.28 sq. km; No. of Boreholes-8; Borehole Depth- 60m; Schedule timeline- 10 months; Review 3 and 6 months

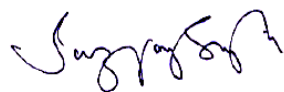
S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC			Qty.	Amount (Rs)	
					Qty.	Amount (Rs)			
A	GEOLOGICAL WORK								
1	Borehole logging, mapping (1:4000), sampling & Report writing								
i	Charges for one Geologist- Field	day	1.2	11,000	120	13,20,000	68	7,48,000	
ii	Charges for one Geologist per- HQ	day	1.2	9,000	30	2,70,000	30	2,70,000	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	526	240	1,26,240	136	71,536	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Trench and Core Sampling -1 Samplers Labour charge not included	day	1.5.2	5,100	28	1,42,800	2	10,200	
v	4 labours/ party for smpling (As per rates of Central Labour Commissioner)	day	5.7	526	112	58,912	8	4,208	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
2	Survey (on 1:4000 Scale)								
i	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes by DGPS and boundary coordinates	Per Point of observation	1.6.2	19,200	13	2,49,600	5	96,000	5 boundary coordinates

ii	Charges of Surveyor	one surveyor per day	1.6.1a	8,300	30	2,49,000	25	2,07,500	
iii	Labours Charges for survey work;	day	5.7	526	120	63,120	100	52,600	Amount will be reimburse as per the notified rates for unskilled labor by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total- A					24,79,672		14,60,044	
B	PITTING AND TRENCHING								
i	Trenching / Pitting (1m x 2mx 75 m)	Cu m	2.1.1	3330	150	4,99,500	100	3,33,000	
	Sub Total- B					4,99,500		3,33,000	
C	DRILLING								
i	Drilling upto 300m (Hard Rock) (1 rigs)	m	2.2.1.4a	11,500	500	57,50,000	-	-	
ii	Borehole deviation Survey	m	2.2.6	330	-	-	-	-	
iii	Land / Crop Compansation	per BH	5.6	20,000	8	1,60,000	-	-	Amount will be reimburse as per actuals or max. Rs. 20000 per BH with certification from local authorities
iv	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	13	26,000	-	-	8 BHs and 5 boundary points
v	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	250	9,000	-	-	To & fro Nagpur
vi	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	3	1,50,000	-	-	
vii	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	-	-	

viii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	-	-	
ix	Approach Road Making (Flat Terrain)	Km	2.2.10b	22,020	5	1,10,100	-	-	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed later
x	Core Preservation: One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	200	3,18,000	-	-	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
	Sub Total- C					70,23,100		-	
D	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples								
	a. Primary Samples for major oxides (SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂ , FeO, MnO, P ₂ O ₅ , CaO, MgO, Na ₂ O, K ₂ O and LOI)	Nos	4.1.15a	4,200	200	8,40,000	19	79,800	Trench/bedrock-100, BH-100
	c-External(10%) Check samples from NABL Lab for major oxides (SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂ , FeO, MnO, P ₂ O ₅ , CaO, MgO, Na ₂ O, K ₂ O and LOI)	Nos	4.1.15a	4,200	20	84,000	-	-	
2	Physical & Petrological Studies							-	
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	4	9,412	
ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	4	16,928	
iii	Modal analysis of thin section	Nos	4.3.8	3,780	10	37,800	2	7,560	
iv	Aspect Ratio Study	Nos	4.3.4	4,232	10	42,320	-	-	

v	Digital Photographs	Nos	4.3.7	280	10	2,800	4	1,120	
vi	Bulk density determination	Nos	4.1	3,540	5	17,700	-	-	
	Sub Total- D					10,90,470		1,14,820	
E	Total A to D					1,10,92,742		19,07,864	
F	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 50 lakhs but less than Rs. 150 lakhs - A minimum of Rs. 2.5 lakhs or 5% of the value of work whichever is more		5,54,637		1,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMEDT.
G	Peer review Charges		As per EC decision			30,000		30,000	
H	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs.5 Lakhs whichever is lower		2,21,855		38,157	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.
I	Total Estimated Cost without GST					1,18,99,234		21,26,021	
J	Provision for GST (18% of I)					21,41,862		3,82,684	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					1,40,41,096		25,08,705	
	Rs. (in lakhs)					140.41		25.09	
Note:									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								

2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.



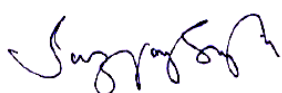

Agenda 20.3.12 Reconnaissance Survey (G-4) for Iron, Manganese and Associated Minerals in Jauli-Sailwara Block, District- Jabalpur, Madhya Pradesh.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a. MECL informed that the project was recommended in 2nd Meeting of TCC-II held on 22nd and 23rd October, 2024 of NMEDT. it was approved by 38th EC meeting held on 29 th November 2024 with timeline of 10 months. The sanction order was issued on 13th December 2024 with approved cost was ₹1.35 crore.
- b. Based on the integrated assessment of geological mapping, surface sampling and trenching results, the mineralisation in the block has been interpreted as low- to medium grade, discontinuous and restricted mainly to surface expressions.
- c. In the 17th TCC meeting held on 17th November 2025, the Committee reviewed the work. Dimensions/geometry of mineralised body (BIF) could not be established/ascertained precisely in area. The analysis of Channel samples collected from leached BIF zones indicates Fe values moderate to low (maximum 35 %). Further Committee Opined that drilling is not required in this area. Agency may sum up data accrued and submit the final Geological report.
- d. In view of the pre-closure of the project, the Committee revised the approved project cost.

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for Pre closure of the project and for submission of the final Geological Report (GR).***
- ***The item has also been recommended to PSC for approval of revised cost ₹135.36 lakh to ₹64.39 lakh, Annexure -9***



Annexure-9

Estimated cost for Reconnaissance survey (G4) for Iron, Manganese and associated minerals in Jauli-Sailwara Block, District: Jabalpur, State: Madhya Pradesh.
[Block area- 33.8 sq. km; Schedule timeline- 10 months, Review : 5 months, Drilling : 300 m]

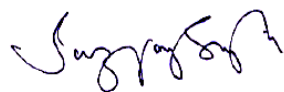
S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Estimated Cost of the Proposal		Revised Cost (As per SOC-2020)		Remarks
			SoC-Item -SI No.	Rates as per SoC					
					Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK (1:12,500 scale)								
i	Charges for one Geologist- Field	day	1.2	11,000	100	11,00,000	70	7,70,000	
ii	Charges for one Geologist per- HQ	day	1.2	9,000	60	5,40,000	40	3,60,000	
iii	2 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	526	200	1,05,200	140	73,640	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher (Rate effected from 01.10.2024)
iv	Sampling Party days -1 Samplers Labour charge not included	day	1.5.2	5,100	68	3,46,800	25	1,27,500	25.375
v	4 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	526	272	1,43,072	100	52,600	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total- A					22,35,072		13,83,740	
B	PITTING AND TRENCHING								
i	Trenching	Cu m	2.1.1	3330	150	4,99,500	90	2,99,700	
	Sub Total- B					4,99,500		2,99,700	

C	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples for Iron-Manganese BRS/Chip/Channel/Trench/BH samples)								
	a. Primary Samples for Total Fe, Total Mn, Al ₂ O ₃ , CaO, SiO ₂ , P, S and Acid insolubles	Nos	4.1.15a	4,200	450	18,90,000	157	6,59,400	BRS/Channel Samples-150, Trench Samples-100, BH Samples-200
	b. External (10%) Check samples for Total Fe, Total Mn, Al ₂ O ₃ , CaO, SiO ₂ , P, S and Acid insolubles	Nos	4.1.15a	4,200	45	1,89,000	16	67,200	(20+18+40)
ii	Primary & Check samples for gold (BRS/Channel/Trench/Core)								
	a. Primary Samples for Au by Fire Assay	Nos	4.1.5a	2,380	20	47,600	10	23,800	Selective samples from contact of dolomite & BIF (Surface -10, BH/Trench-10)
	b. External Check (10%) samples for Au by Fire Assay	Nos	4.1.5a	2,380	2	4,760	-	-	
iii	Trace element study (34 Elements)	Nos	4.1.14	7,731	10	77,310	10	77,310	
iv	Composite Sample analysis for Total Fe, Total Mn, Al ₂ O ₃ , CaO, SiO ₂ , P, S and Acid insolubles	Nos.	4.1.15a	4,200	20	84,000	-	-	
2	Physical, Petrological, Mineralogical Studies								
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	10	23,530	
ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	10	42,320	
iii	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	11	17,039	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	11	46,552	

v	Digital Photographs	Nos	4.3.7	280	10	2,800	10	2,800	
vi	Whole Rock Analysis (Major oxide and additional trace elements)	Nos	4.1.15a&b	7,568	10	75,680	10	75,680	
	Sub Total- C					24,94,810		10,35,631	
D	DRILLING								
i	Drilling upto 300m (very Hard Rock) (1 rigs)	m	2.2.1.4a	12,650	300	37,95,000	-	-	
ii	Land / Crop Compansation	per BH	5.6	20,000	5	1,00,000	-	-	Amount will be reimburse as per actuals or max. Rs. 20000 per BH with certification from local authorities
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	5	10,000	-	-	
iv	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	680	24,480	-	-	Certification in this regard is required to be provided (Nagpur to Jauli village- 340 km)
v	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	4	2,00,000	-	-	
vi	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	-	-	
vii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	-	-	
viii	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	5	1,10,100	-	-	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed for max. 4 km.
ix	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and by DGPS	Nos	1.6.2	19,200	6	1,15,200	-	-	*10 Boreholes and 1 base station
x	One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	250	3,97,500	-	-	This amount will be reimbursed after successful delivery of the cores to

									concerned libraries/authorities
	Sub Total- D					52,52,280	-	-	
E	GEOPHYSICAL SURVEY								
i	Airborne Magnetic Survey by Drone	Line Km		As per actuals			-	-	To cover entire area with line spacing of 50m
F	Total A to E					1,04,81,662	Total A to D	27,19,071	
G	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 150 lakhs but less than 300 lakhs - A minimum of Rs. 7.5 lakhs or 3% of the value of work whichever is more		7,50,000	5.2(i)	1,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMEDT.
H	Peer review Charges					30,000		30,000	As per EC decision
I	Preparation of Exploration Proposal		5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is lower		2,09,633		54,381	5 Hard copies with a soft copy
J	Total Estimated Cost without GST					1,14,71,295		29,53,452	
K	Provision for GST (18% of I)					20,64,833		5,31,621	GST will be reimburse as per actual and as per notified prescribed rate

L	Total Estimated Cost with GST	1,35,36,128	64,38,526	
	Say Rs. In Lakhs	135.36	64.39	70.98
Note:				
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.			
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement			
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.			
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.			
5	Any item of work not mentioned above shall be added as per SoC.			
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency			




Agenda 20.3.13 Preliminary Exploration (G-3) for Bauxite, Titanium and associated minerals in Anvrapat Block, Lohardaga District, Jharkhand
[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- MECL informed that the project was recommended in 68th Meeting of TCC of NMEDT in 28th, 29th and 30th August 2024 & it was approved by 37th EC of NMEDT held on 23rd September 2024 with approved cost of ₹175.63 Lakh (including GST) within the time schedule of 08 Months (up to 22.06.2025).
- Committee is of view that for arriving to 'Net' resource deduction of 10% from gross resource may be done which is generally assumed for most of mineral commodities. Considering Vanadium values, the remaining samples may be analysed for Vanadium and resource can be estimated for both V & Ga. Advised to submit Geological report.
- The cost summary for carrying out the two-elemental analysis for primary samples is given below:-

Sl.No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	
1	Additional cost for 2 elemental analyses (Ga and V)	Nos	4.1.15b	824	487	4,10,054	
Total Estimated Cost without GST						4,10,054	

- The Committee revised the approved project cost in view of the agency having carried out two additional elemental analysis for primary samples (V & Ga) beyond the approved scope.

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for additional cost beyond the approved scope for carried out two additional elemental analysis for primary samples (V & Ga).***
- ***The item has also been recommended to PSC for approval of revised cost from ₹175.63 lakh to ₹180.81 lakh Annexure-10.***

Cost Estimate for Preliminary Exploration (g-3) for Bauxite, Titanium & associated minerals in Anvrapat Block (1.00 sq.km) District- Lohardaga, State- Jharkhand

Total Area - 1.00 sq km; Nos. of Boreholes - 18 (Depth 30m Drilling 600m) ; Completion Time - 08 Months; Review- After 04 Months

Sl.No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Estimated Cost of the Proposal		Revised Cost	Remarks
			SoC-Item -Sl No.	Rates as per SoC	Qty.	Total Amount (Rs)		
A	GEOLOGICAL WORK							
1	Geological mapping (1:2000) ,Borehole logging & Sampling & Report writing							
a	Charges for one Geologist per day at HQ	day	1.3	9,000	30	2,70,000	2,70,000	
b	Charges for Geologist party per day at field	day	1.3	11,000	120	13,20,000	13,20,000	
c	1 party Labour (2 Nos each party)	day	5.7	522	240	1,25,280	1,25,280	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
d	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5,100	83	4,23,300	4,23,300	
e	Labours (4 Nos)	day	5.7	522	332	1,73,304	1,73,304	Amount will be reimbursed as per the notified rates by the

								Central Labour Commissioner or respective State Govt. whichever is higher
2	Survey (on 1:2000 Scale)						-	
a	Topographical survey & surface contouring at 2m interval	day	1.6.1a	8,300	30	2,49,000	2,49,000	
b	Bore Hole Fixation and determination of co-ordinates & Reduced Level (RL) of the boreholes and demarcation of lease hold boundary points by DGPS	Per Point of observation	1.6.2	19,200	83	15,93,600	15,93,600	18 BH point & 65 Boundary points
c	Labours (4 Nos)	day	5.7	522	120	62,640	62,640	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	SUB-TOTAL A					42,17,124	42,17,124	
B	MINERAL INVESTIGATION							
1	Pitting & Trenching							
a	Pitting for determination of bulk density (1mx1mx1m)-3 nos.	per cu. m	2.1.2	3800	3	11,400	11,400	
2	DRILLING						-	

a	Dry Core Drilling up to 30-50 m (18 BHs, NQ size)	m	2.2.1.1b	7,168	600	43,00,800	43,00,800	Out of 18 BHs, 15 BHs of 30 m depth to be drilled up to lithomarge and 03 boreholes are proposed to be drilled upto 50m or basement (whichever is earlier)
b	Land / Crop Compensation (in case the BH falls in agricultural Land)	per borehole	5.6	20,000	18	3,60,000	3,60,000	Amount will be reimbursed as per actuals or max. Rs. 20000 per BH with certification from local authorities.
c	Construction of concrete Pillar (12"x12"x30")	per point	2.2.7a	2,000	83	1,66,000	1,66,000	18 BH points, 65 Boundary points.
d	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	1,700	61,200	61,200	1 Rig
e	Monthly Accommodation Charges for drilling Camp	month	2.2.9	50,000	4	2,00,000	2,00,000	
f	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	2,50,000	
g	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	2,50,000	
h	Road Making (Rugged/Hilly Terrain)	per km	2.2.10b	32,200	3	96,600	96,600	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed accordingly.
i	Drill Core Preservation	per m	5.3	1,590	540	8,58,600	8,58,600	

	SUB-TOTAL B					65,54,600	65,54,600	
C	LABORATORY STUDIES							
1	<u>Chemical Analysis</u>							
i)	Primary samples							
a	Analysis for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	540	22,68,000	22,68,000	
ii)	Check samples External (10%)						-	
a.	Analysis for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	54	2,26,800	2,26,800	
iii)	Analysis for Bauxite						-	
a.	Combined determination of Tri hydrate Alumina (THA-40°C) and Mono hydrate Amumina (MHA-240°C) & Reactive Silica	Nos.	4.1.17a	6,700	36	2,41,200	2,41,200	
	Sub-Total -1					27,36,000	27,36,000	
2	<u>Physical & Petrological Studies</u>							
i)	XRD studies for identification of minerals (Random)	Nos.	4.5.1	4,000	5	20,000	20,000	
ii)	ICP-OES/ICP-MS (sequential technique) sample package for 34 elements i.e. 16 other elements viz. Li, Ga, In, Be, Ge, Mo, Cr, Ta, W, Ba, Co, Rb, Sr, Zr, Nb, Ni ; 18 REE viz. La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sc, Y; 02 Actinides viz. U, Th.	Nos.	4.1.14	7,731	36	2,78,316	2,78,316	
iii)	Additional cost for 2 elemental analysis	Nos	4.1.15b	842	487		4,10,054	Additional cost for 2 elemental analysis

iv)	Preparation of thin section	Nos.	4.3.1	2,353	10	23,530	23,530	
v	Study of thin section	Nos.	4.3.4	4,232	10	42,320	42,320	
	Sub-Total -2					3,64,166	7,74,220	
3	<u>Geotechnical Laboratory</u>							
i.	In-situ Bulk Density Determination	No.	4.1.0	3,540	3	10,620	10,620	
	Sub Total- 3					10,620	10,620	
	SUB-TOTAL C					31,10,786	35,20,840	
D	Total - A to C					1,38,82,510	1,42,92,564	
E	MISCELLANEOUS CHARGES							
1	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the approved project cost or Rs. 5.0 Lakhs whichever is lower		2,77,650	2,85,851	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and plan as suggested by the TCC- NMEDT in its meeting while clearing the proposal
2	Geological Report Preparation		5.2	For the projects having cost exceeding ₹150 lakh but less than 300 lakh: A		6,94,126	7,14,628	EA has to submit the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMEDT

				Minimum of ₹7.5 lakh or 3% of the work whichever is more.				
3	Peer review Charges		As per EC decision			30,000	30,000	
	Total Estimated Cost without GST					1,48,84,286	1,53,23,043	
	Provision for GST (18%)					26,79,171	27,58,148	GST will be reimbursed as per actual and as per notified prescribed rate
	Total Estimated Cost with GST					1,75,63,457	1,80,81,191	
	Say in Lakhs (Rs.)					175.63	180.81	5.18
Note:								
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.							
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In							
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.							
5	Any item of work not mentioned above shall be added as per SoC.							
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.							

Agenda 20.3.14 Reconnaissance Survey (G-4) for Glauconitic Sandstone in Kisanpur Block, District- Satna, Madhya Pradesh.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- The project was recommended in 1st TCC-II meeting held on 26th and 27th September 2024 and approved in 38th EC meeting held on 29th November 2024. Sanction order was issued on 13th December 2024 for approved cost of ₹ 91,39,918/- with timeline of 10 months up to 12th October 2025.
- MECL informed that they have carried out geological mapping on 1:12,500 scale and updated the detailed geological map on 1:4000 scale along with surface sampling and drilling in 8 boreholes (total 308m). The Banbiha sandstone Member which forms the glauconitic horizon has been intersected in all 8 drilled boreholes with average thickness of 19.25 m and average K₂O content of 6.65%. Final geological report has been submitted for peer review. XRD study of 5 samples is underway.
- In the 18th TCC-II meeting, the agency informed the committee that they have carried out 8 m additional drilling and 19 additional samples for 4 radical analyses against the approved quantum. Further The agency requested for timeline extension of 2 months and 5 days up to 15th December 2025 for submission of final geological report.

Sl. No	Item of Work	Unit	Rates as per NMET SoC 2020-21		Total Cost of the Project		Remarks
			SoC- Item- S. No.	Rates as per SoC	Qty.	Total Amount (Rs)	
1	Additional Drilling - Medium hard rock	m	2.2.1.3a	10100	8	80,800	Additional Drilled meterage
2	Primary + Check Sample - 4 radicals viz. K ₂ O, SiO ₂ , Al ₂ O ₃ & Fe ₂ O ₄	per sample	4.1.7a	2,506	19	47,614	Additional Samples
Total Estimated Cost without GST						1,28,414	

- The Committee revised the approved project cost in view of the agency having carried out an additional 8 m of drilling and collected 19 extra samples for four radical analyses beyond the approved scope.

Recommendation TCC-II

- **The committee recommended for approval of the PSC for additional cost beyond the approved scope for carried out an additional 8 m of drilling and collected 19 extra samples for four radical analyses.**
- **The item has also been recommended to PSC for approval of revised cost from ₹91.40 lakh to ₹93.02 lakh, Annexure 11.**

Estimated cost for Reconnaissance Survey (G4) for Glauconitic Sandstone in Kisanpur Block, Satna District, Madhya Pradesh
Total Area - 52.17 Sq. Km; Completion Time - 12 Months

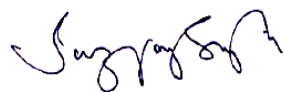
Sl. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Total Cost of the Project		Revised Estimate	Remarks
			SoC-Item- S. No.	Rates as per SoC	Qty.	Total Amount (Rs)		
1.0	Geology & Survey							
1.1	Geologist man days for Geological Mapping in 1:12500 scale (Field)/Sampling	days	1.3	11,000	120	13,20,000	13,20,000	
1.2	Labour Mapping (Field) (2 workers per geologist)	per worker	5.7	522	240	1,25,280	1,25,280	Amount will be reimburse as per the notified rates by the Central Labour Commissioner (Rs. 431/- per day) or respective State Govt. whichever is higher
1.3	Sampling man days - Sampler (Geochemical/Trenching/Pitting) Labour charge not included	day	1.5.2	5,100	20	1,02,000	1,02,000	(150 primary samples/8 samples per day)
1.4	4 labours/ party (Rs 431/day/labour) (As per rates of Central Labour Commissioner) for sampling work	day	5.7	522	80	41,760	41,760	Amount will be reimburse as per the notified rates by the Central Labour Commissioner (Rs. 431/- per day) or respective State Govt. whichever is higher
1.5	Determination of co-ordinates and Reduced Level (RL) of boreholes by DGPS	Nos.	1.6.2	19200	6	1,15,200	1,15,200	15 boreholes

Sub-Total 1						17,04,240	17,04,240	
2.0	Drilling							
2.1	Drilling -Medium hard rock (100m to 300m)	m	2.2.1.3a	10100	300	30,30,000	30,30,000	depth 50m or upto panna shale whichever is earlier
2.1a	Additional Drilling -Medium hard rock (100m to 300m)	m	2.2.1.3a	10100	8		80,800	Additional Drilled meterage
2.2	Land / Crop Compansation (in case the BH falls in agreecultural Land)	per BH	5.6	20000	10	2,00,000	2,00,000	
2.3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2000	10	20,000	20,000	
2.4	Transportation of Drill Rig & Truck associated per drill (for 1 rig)	Km	2.2.8	36	1200	43,200	43,200	1200 Km to and fro for one rig
2.5	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50000	3	1,50,000	1,50,000	
2.6	Drilling Camp Setting Cost	Nos	2.2.9a	250000	1	2,50,000	2,50,000	
2.7	Drilling Camp Winding up Cost	Nos	2.2.9b	250000	1	2,50,000	2,50,000	
2.8	Road Making (Flat Terrain)	Km	2.2.10a	22020	5	1,10,100	1,10,100	
2.9	Drill Core Preservation	per m	5.3	1590	200	3,18,000	3,18,000	
Sub-Total 2						43,71,300	44,52,100	
3.0	Laboratory Studies							
3.1	Primary + Check Sample - 4 radicals viz. K ₂ O, SiO ₂ , Al ₂ O ₃ & Fe ₂ O ₃	per sample	4.1.7a	2,506	185	4,63,610	4,63,610	150 primary, 15 external check (20 samples BH)

3.1a	Primary + Check Sample - 4 radicals viz. K ₂ O, SiO ₂ , Al ₂ O ₃ & Fe ₂ O ₄	per sample	4.1.7a	2,506	19		47,614	Additional Samples
3.2	Chemical Analysis (Composite) for 12 radicals viz. K ₂ O, Na ₂ O, CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , SO ₃ , P ₂ O ₅ , Mn ₂ O ₃ , TiO ₂ , and LOI.	per sample	4.1.7a	4,851	20	97,020	97,020	8m composite
3.3	Sp. Gravity determination	per sample	4.8.1	1,605	5	8,025	8,025	
3.4	XRD Study	per sample	4.5.1	4,000	5	20,000	20,000	
Sub-Total 3						5,88,655	6,36,269	
4.0	Geologist man days (1 No.) for geological map & Report (HQ)	days	1.2	9,000	60	5,40,000	5,40,000	
Total (1.0 to 4.0)						72,04,195	73,32,609	
5.0	Preparation of Exploration Proposal	Nos	5.1	2% of the cost or Rs. 3.80 lakh - whichever is lower	1	1,51,288	1,53,985	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.

6.0	Geological Report Preparation	Nos	5.2	For the projects having cost exceeding Rs. 50 Lakhs but less than Rs. 150 Lakhs: A Minimum of Rs.2.5 lakhs or 5% of the value of work whichever is more and Rs. 3000/- per each additional copy.	1	3,60,209.75	3,66,630.45	EA has to submit the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMEDT.
7.0	Report Peer Review Charges	lumpsum	As per EC decision		1	30,000	30,000	
Total Estimated Cost without GST						77,45,693	78,83,224	
Provision for GST (18%)						13,94,225	14,18,980	GST will be reimburse as per actual and as per notified prescribed rate
Total Estimated Cost with GST						91,39,918	93,02,205	
Say Rs. in Lakhs						91.40	93.02	
Note:								
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.							
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In							
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.							

5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.





Agenda 20.3.15 Reconnaissance Survey for REE (G-4) Exploration in Bhuj Clay Prospect Block, Kachchh District Guajrat.

[Implementing Agency: Geovale Services Pvt. Ltd]

- a. Geovale Services Pvt. Ltd. informed that the project was approved in the 31st EC Meeting held on 12th September 2023. The sanction order was issued on 05th October 2023 with timeline of 12 months and approved cost was INR 1,22,27,994/-.
- b. The committee was informed that the project was reviewed in 3rd TCC of NMEDT and the revised cost of ₹265.84 Lakhs was approved by the 38th EC of NMEDT. Geovale requested for approval of 10 days for Geophysicist at HQ. Further, the committee was requested to modify the cost for preparation of Exploration Proposal and Final report preparation as per SoC and approve 9 months timeline extension for GR submission.
- c. In the 6th TCC-II meeting held on 27th, 28th February 2025 & 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025 with re-estimated cost of the project as ₹273.15 Lakhs. With timeline extension 9 months up to 30th June 2025.
- d. The agency inform that the delays in project due to changes in the geological target based on revised field evidence involving re-mapping of stratigraphy and re-interpretation of geochemical assays, along with monsoon-related delays, financial constraints and non-disbursement of funds, suspension of work owing to security concerns during Operation Sindoor, and delays related to NABET reaccreditation. Further agency requested for seven (07) month timeline extension up to **31st January 2026** for submission of the final Geological Report (GR).
- e. The TCC-II committee agree for timeline extension of seven (07) month, up to 31st January 2026 for submission of the final Geological Report (GR).

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for timeline extension of seven (07) month, up to 31st January 2026 for submission of the final Geological Report (GR).***
- ***The delays in project due to changes in the geological target based on revised field evidence involving re-mapping of stratigraphy and re-interpretation of geochemical assays, along with monsoon-related delays, financial constraints and non-disbursement of funds, suspension of work owing to security concerns during Operation Sindoor, and delays related to NABET reaccreditation.***

Agenda 20.3.16 Reconnaissance Survey (G-4) for Mailar Base Metal–Gold Prospect Block in Mailar Area, Lalitpur District, Uttar Pradesh.

[Implementing Agency: Geovale Services Pvt. Ltd]

- a. Geovale Services Pvt. Ltd. informed that the project was recommended in 62nd TCC held on 28th & 29th February and 01st March 2024 approved in the 34th EC Meeting held on 13th March 2024. The sanction order was issued on 10th September 2024 with timeline of 12 months (up to 11.03.2025) and approved cost was INR 2,40,95,250/-.
- b. In the 7th TCC-II meeting held 24th and 25th March 2025, The agency requested for additional 200m drilling meterage & respective increase in number of samples for chemical analysis. Further, 3 months' timeline extension for completion of the project was also requested by the agency.

- c. The committee recommends the proposal for approval of EC for additional 200m drilling meterage & respective increase in number of samples for chemical analysis with an estimated revised cost of ₹363.79 Lakh (including GST). The committee approves timeline extension of 3 months up to 11th June 2025 for completion of the project.
- d. Further, In the 10th TCC-II meeting held on 23rd 24th & 25th June 2025, the agency requested for additional drilling meterage of 20m. Borehole sample results show highest Cu value of 980ppm and also requested for timeline extension for 4 months up to 31st October 2025 for submission of final geological report.
- e. The committee opined that additional drilling in the block is not required due to unpromising chemical analysis results. The committee agreed for time extension of 4 months up to 31st October 2025 was approved 43rd EC held on 14th August 2025.
- f. The agency informed that the delays in project due to changes in the geological target based on revised field evidence involving re-mapping of the litho units and re-interpretations, along with monsoon-related delays, and delays related to NABET reaccreditation. Further agency requested for three (03) month timeline extension up to **31st January 2026** for submission of the final Geological Report (GR).
- g. The TCC-II committee agree for timeline extension of three (03) month, up to 31st January 2026 for submission of the final Geological Report (GR).

Recommendation TCC-II

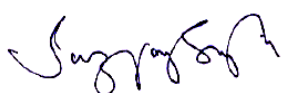
- **The committee recommended for approval of the PSC for timeline extension of three (03) month, up to 31st January 2026 for submission of the final Geological Report (GR).**
- **The delays in project due to changes in the geological target based on revised field evidence involving re-mapping of the litho units and re-interpretations, along with monsoon-related delays, and delays related to NABET reaccreditation.**

Agenda 20.3.17 Reconnaissance Survey (G-4) for Graphite and Vanadium in Matena-Sirar Area, Almora District, Uttarakhand.

[Implementing Agency: Geovale Services Pvt. Ltd]

- a. Geovale informed that the project was approved in the 36th EC Meeting held on 29th July 2024. The Sanction Order was issued on 21st August 2024 with timeline of 12 months up to 20th August 2025 and approved cost was INR 2,60,45,671/-.
- b. In the 8th TCC-II meeting held on 28th, 29th April & 2nd May 2025. The committee advice to identify the potential bands/zones by SP survey and plan the boreholes (12) accordingly.
- c. The agency informed that the delays in project due to NABET reaccreditation and Gazette Notification related issues. Gazette Notification issued on 9th December 2025. Drilling initiated. Further agency requested for Nine (09) month and 10 days timeline extension up to 31st May 2026 required for completion of drilling and subsequent subsurface sample analysis and final GR submission
- d. The TCC-II committee agree for timeline extension of Nine (09) month and 10 days timeline extension up to 31st May 2026 for submission of the final Geological Report (GR).

Recommendation TCC-II




- ***The committee recommended for approval of the PSC for timeline extension of Nine (09) month and 10 days timeline extension up to 31st May 2026 for submission of the final Geological Report (GR).***
- ***The delays in project due to NABET reaccreditation and Gazette Notification related issues.***

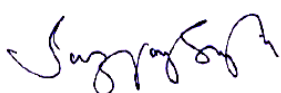
Agenda 20.3.18 Reconnaissance Survey (G-4) for Basemetal in Thal-Didihat Askot area, Pithoragarh district, Uttarakhand.
[Implementing Agency: Geovale Services Pvt. Ltd]

- a. Geovale Services Pvt. Ltd. informed that the project was approved in the 34th EC Meeting held on 13th March 2024. The sanction order was issued on 12th March 2024 with timeline of 12 months up to 11.03.2025 and approved cost was INR 1,37,47,000/-
- b. In the 7th TCC-II meeting, the agency requested a timeline extension of three (03) months up to 11th June 2025 for completion of the project. The Committee accordingly approved the timeline extension.
- c. Further, In the 10th TCC-II meeting, Geovale Services Pvt. Ltd. further briefed about the status of progress of work in the project. Vertical electrical sounding in 30 LKM has been done. the agency has requested to drop the IP survey due to difficult terrain conditions & proposed enhancement in quantum of Magnetic Survey. The agency also requested for time 12 extension of 4.5 months up to 31st October 2025 for submission of final geological report.
- d. The TCC-II agreed to drop the IP survey in this project. The committee opined that the rocks are well exposed in the survey area, so more magnetic survey is not required. Results of Vertical electrical sounding will be adequate to plan the boreholes. The committee agreed for time extension of 4.5 months up to 31st October 2025 and was approved in the 43rd EC 43rd EC held on 14th August 2025
- e. The agency informed that the delays in project due to NABET reaccreditation and Gazette Notification related issues. Gazette Notification issued on 9th December 2025. Drilling initiated. Further agency requested for Seven (07) month timeline extension up to 31st May 2026 required for completion of drilling and subsequent subsurface sample analysis and final GR submission.
- f. The TCC-II committee agree for timeline extension of Seven (07) month timeline extension up to **31st May 2026** for submission of the final Geological Report (GR).

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for timeline extension of Seven (07) month timeline extension up to 31st May 2026 for submission of the final Geological Report (GR).***
- ***The delays in project due to NABET reaccreditation and Gazette Notification related issues.***

Agenda 20.3.19 Reconnaissance survey for Potash & Halite in Ramsara -Amarkot - Dalmir- Khera area in Fazilka District, Punjab.
[Implementing Agency: Ocean Drilling and Exploration Private Limited]




- a. In-principle-Approval has been granted for this project by TCC-II in its 9th meeting held on 29th & 30th May 2025.
- b. The agency informed that the project was recommended in 10th TCC-II held on 23rd, 24th & 25th June 2025 and approved in the 43rd EC Meeting held on 14th August 2025. The sanction order was issued on 04th September 2025 with timeline of 10 months (up to 03 June 2026) and approved cost was ₹ 1,049.40 Lakh.
- c. The project has been suspended by the competent authority until further orders.
- d. In view of the above, the committee opined that the agency must wind up all activities from the project area until further orders from the competent authority.

Recommendation TCC-II

The committee advised the implementing agency to wind up all activities from the project area until further orders from the competent authority.

Agenda 20.3.20 Reconnaissance Survey (G-4) for Graphite & Vanadium in and around Lalpani area, Lohit District, Arunachal Pradesh. [Implementing Agency: Kartikay Exploration and Mining Services Pvt. Ltd.]

- a. The project was recommended in 2nd TCC-II held on 22nd and 23rd October 2024 and was approved in 38th EC meeting held on 29th November 2024. The sanction order was issued on 6th January 2025 with timeline of 15 months up to (05 April 2026 with approved cost was ₹ 563.27 Lakh.
- b. In the 13th TCC -II, the committee advised the agency to complete the geological mapping work in the project area and subsequently present the findings for review in upcoming TCC meeting.
- c. The Committee held detailed deliberations on the SP survey conducted by the agency and observed that the generated data may contain inconsistencies or errors. The committee suggested to improve the presentation both in terms of geology and geophysical data.
- d. The implementing agency informed that, geological mapping of 39 sq. km. area (out of approved 52.20 sq. km. area) on 1:12,500 scale has been done and the remaining area is inaccessible. Values of Fixed Carbon (FC) in BRS ranges from 0.06% to 2.31% and in Pit/Trench samples it ranges from 0.5% to 2.70%.
- e. As the terrain is difficult the committee advised the agency to refer GSI's map in the adjacent area for having some control over the target lithology. The committee opined that the project will be reviewed again in upcoming TCC-II meeting.

Recommendation TCC-II

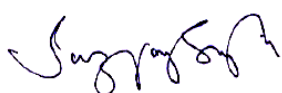
The Committee advice that the progress of the project shall be reviewed again in the upcoming TCC-II meeting.

Agenda 20.3.21 Reconnaissance survey for Nickel, Cobalt and PGE in Botad area, Botad District, Gujarat. [Implementing Agency: Critical Mineral Trackers.]

- a. The project was recommended in 6th TCC meeting held on 27th and 28th February, 2025 and 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 23rd March 2025 with timeline of 10 months up to 22nd January 2026 and approved cost was ₹128.25 Lakh. The TCC-II opined that drilling in the proposed block will be subject to positive outcomes of Geological Mapping, analysis for PGE should be done only if Nickel (Ni) value exceeds 0.2% & if PGM grains found Electron Probe Microanalysis.
- b. The project work was reviewed in 13th meeting of TCC-II held on 22nd, 23rd, 24th September 2025. In the 13th meeting, the committee reviewed the chemical analytical results and opined that the analytical results are not so encouraging (Ni values are not promising, Co & PGE content are also negligible). So, the committee recommended the project for approval of PSC for pre closure of the project and submission of the Geological report.
- c. In 2nd meeting of PSC held on 4th November 2025, PSC referred the proposal back to TCC-2 with instruction to inform PSC at its next meeting about the detailed values of Ni, Co and PGE as well as the expenditure incurred by the agency.
- d. In the 19th TCC-II meeting, the committee opined that the project, has no significant Ni, Cr, or PGE values were observed from surface geological studies. the project may be closed/ pre-closure. Further, the committee instructed agency to present revised cost sheet in the upcoming TCC -II meeting.
- e. Further agency requested for one (01) month timeline extension up to 22nd February 2026 required for final GR submission
- f. After detailed technical deliberations, the TCC Committee recommended for pre-closure of the project as the results were not encouraging for further exploration and one (01) month timeline extension up to 22nd February 2026, for final GR submission

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for Pre closure of the project and one (01) month timeline extension up to 22nd February 2026 for submission of the final Geological Report (GR).***
- ***The item has also been recommended to PSC for approval of revised cost from ₹128.25 lakh to ₹ 46.44 lakh, Annexure-12.***




Estimate Cost for Reconnaissance survey(G4) for Nickel,Cobalt and PGE in Botad area,Botad District,Gujarat
Total Area-99.6(say 100) sq.km; No of Boreholes-3; Completion Time -10 months, Total Drilling meterage: 300m, Review: after 4 months
Implementing Agency-Critical Mineral Trackers,Hyderabad

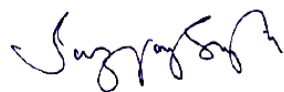
S.No	Item of Work	Unit	Rates as per NMEDT SoC		Estimated Cost of the Proposal		Revised Cost		Remarks
			SoC-Item-SI No.	Rates as per SOC	Qtm	Total Amount (Rs)	Qty.	Amount (Rs)	
A	Geological Work								
1	Large Scale Geological Mapping (1:25K/12.5K) & sampling – Geologist field-days	100Sq.km	1.2(b)	11000	180	19,80,000	135	14,85,000	240man days
2	Geologists (HQ)days, pre & post field interpretation, Report writing 20 +20+10 days	One Geologist Per Day	1.2(a)	9000	60	5,40,000	30	2,70,000	45man days (including Remote sensing studies
3	Satellite imagery (Ortho-corrected PAN-A/F (2.5m) (Cartosat-1) +	Two scenes	NA	10470	1	10,470	0	0	Rate is as per NRSC. To study Trap flows
	Carto sat 2			2890	2	5,780	0	0	Rate is as per NRSC
4	Pitting-100nos each one size 1*1*1m (1 Cu.m each)	Per Cu.m	2.1.2	3800	100	3,80,000	93	3,53,400	100 cu.m
5	sampler:	180 days	1.5.2	5100	46	2,34,600	30	1,53,000	
6	Labour (4 labour) attached to sampler	360 labour days	5.7	526	184	96,784	120	63,120	

7	Labour for geologist		5.7	526	360	1,89,360	270	1,42,020	
	Sub-Total -A					34,36,994		24,66,540	
B	Survey Work:								
1	Surveyor: Fixation & connection of boundary points (4 nos), 3 Bh by Total station/DGPS	One surveyor	1.6.2	19,200	7	1,34,400	0		Total 7 points
	Sub-total-B					1,34,400		0	
C	Core Drilling								
1	Scout drilling(coring) :3 points (each 100 m deep) 3*100	Per meter	2.2.1.4a	11,500	300	34,50,000		0	
2	Construction of BH pillar (12" *12" * 30")	Per pillar	2.2.7a	2000	0	0		0	3 pillars
3	**Mob & demob drilling machine & inner BH shifting	Per shifting	lumpsum	0	0	0		0	lumpsum
4	Compensation for 3 Bhs		5.6	20,000	0	0		0	3 BHs
5	Drill core preservation in GI boxes	Per meter	5.3	1590	100	1,59,000		0	
	Subtotal-C					36,09,000		0	
D	Laboratory Studies								
1		For PGE	4.1.5d	11800	25	2,95,000			

	Pitting Sample: 100*1=100 nos)-by Fire Assay (ICPMS NiS)								PGE analysis will done only 1where Ni exceeds 0.2 %, high As, high Cu,If PGM grains are found in the microprobe analysis
2	Core drilling Samples- 3*100=300	For PGE	4.1.5d	11800	50	5,90,000	0	0	PGE analysis will done only where Ni exceeds 0.2%, high As, high Cu
	Total depth 100m each, samples will be collected at every 1.0m interval.						0	0	
	by ICP-MS method						0	0	
3	Trace element analysis (Ni,Cu, As, Mo, Re, In, Te & Co)- 14 element by ICPMS	For Ni,Co	4.1.13	5380	245	13,18,100	182	9,79,160	total 245 samples (2 trace elements)
	Major oxides by XRF technique (Whole rock analysis)		4.1.15a	4200	40	1,68,000	20	84,000	for BRS and selected core samples
3	Preparation of standard thin section	per sample	4.3.1	2353	10	23,530	10	23,530	5 sections
4	Complete petrographic/ore microscopic/ mineragraphic studies	per sample	4.3.4	4232	10	42,320	10	42,320	5 samples
5	XRD analysis for identification of minerals(random)	Per sample	4.5.1	4000	10	40,000	5	20,000	5 samples
	EPMA	per Hours	4.4.1	8540	10	85,400	4	34,160	
	Sub-total-D					25,62,350		11,83,170	

E	Surface Geophysical Survey		Not recommended						
1	Electrical resistivity	Per Station							
2	gravity surveys	Per station							
3	Geo Physicist Man days (Field Man-days)								
4	Geo Physicist Man days (HQ)								
	Sub-total-E								
	TOTAL (A+B+C+D)					97,42,744		36,49,710	
F	Preparation of Exploration Proposal (5 Hard copies with a soft copy)		5.1	2% of the project cost subject to a maximum of 5 lakhs	1	1,94,855		72,994	2% of the Project cost.
G	Geological Report (5 Hard copies with a soft copy)		5.2	5% of the Project cost or 2.5lakhs		4,87,137		1,82,486	5% of the Project Cost.or 7.5lakhs
	peer review charges					30,000		30,000	
	operational charges (10% of approved drilling cost)	6	ii			3,45,000		0	
	tendering cost (2% of the approved drilling cost)		2.3			69,000		0	
	Additional Copy			3000	0	0		0	

	Project Cost without GST	1,08,68,736		39,35,190	
	18% GST	19,56,372		7,08,334	
	Total Project Cost	1,28,25,109		46,43,524	
	Rs. In Lakh	128.25		46.44	
Note:					
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.				
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.				
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In				
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.				
5	Any item of work not mentioned above shall be added as per SoC.				
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.				




List of participants attended 20th meeting of Technical-cum-cost Committee (TCC-II) of NMEDT held on 02nd and 05th January 2026 through video conferencing mode

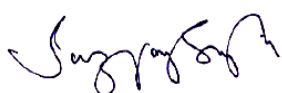
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57	Shri Ashish Kumar	Sr. Mines Officer	dgmupexp@gmail.com	8887534738	DGM U.P.
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61	Arun Gokul J Nair	MPSMCL Representative	info.mpsmc@mp.gov.in	9645188432	MPSMCL
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63	Shri Manish Kumar	Geophysicist	nmet.mines@gov.in	9652258670	NMEDT









10

3rd Review in 4th PSC (1 BH
drop, cost revision, timeline
extension)

GOVERNMENT OF INDIA
MINISTRY OF MINES
NATIONAL MINERAL EXPLORATION AND DEVELOPMENT TRUST

No. 117/1/2025/NMET/ 739

New Delhi, Dated: 20/01/2026

Subject: Circulation of minutes of 4th meeting of Project Sanctioning Committee (PSC) of National Mineral Exploration and Development Trust (NMEDT) held on 13th January, 2026

Please find enclosed herewith the minutes of 4th meeting of Project Sanctioning Committee of NMEDT held on 13th January, 2026 for your kind perusal.

Yours faithfully,



Encl: As above

[Geetika Sharma]
Director (Project) & HoD, NMEDT

To all attendees of PSC Meeting

1. Shri Anshoo Pandey, Director, NCMM, Ministry of Mines, Shastri Bhawan, New Delhi
2. Shri Birendra Thakur, Director (Tech.), Ministry of Coal, Shastri Bhawan, New Delhi
3. Shri N K Panda, Regional Director, Southern Region, Atomic Mineral Exploration and Research Directorate, Nagarbhavi, Bangaluru
4. Shri Jayanta Kumar Naik, Director, NM-II, Geological Survey of India, Nagpur
5. Shri Abhay Agrawal, Controller of Mines, Indian Bureau of Mines, Nagpur
6. Shri Alok Kumar, Dy. Secretary, IFD Mines, Shastri Bhawan, New Delhi
7. Shri Ravi Dutt, Cost Accounts Officer, NMEDT, Udyog Bhawan, New Delhi
8. Shri Gopal Ram, Additional Director Geology (HQ), DMG, Rajasthan
9. Shri Vinod Bagdey, Additional Director, Mineral Resource Department, Govt. of Madhya Pradesh
10. Shri S. P. Kadoo, Deputy Director, DGM Maharashtra, Govt. of Maharashtra

11. Ms. Deepa, Deputy Director, (Geology and Mining) Govt. of Tamil Nadu.
12. Shri Bhagwati Prasad Raturi, Ex -GM (Exploration), MECL, Lane NO-7, New Garhwal Colony Near Malsi Puliya, Balawala, Dehradun-248019, Uttarakhand
13. Shri Pankaj Satija, NTH Complex, 4th Floor, A-2 Shaheed Jeet Singh Marg, Qutub Institutional Area, New Delhi
14. Shri Hanuma Prasad Modali, Deccan Gold Mines Limited, No 77, 16th Cross, Sector IV, HSR Layout, Bangalore 560102
15. Dr. P Krishnamurthy (Technical Expert, PSC), Flat No. 103, A Block, IGV Apts., Ideal Homes Township, RR Nagar, Bengaluru

Copy to:

1. The Principal Secretary, Department of Mines and Minerals, Government of Assam.
2. The Secretary, Mineral Resource Department, Government of Chhattisgarh.
3. The Principal Secretary (Industry and Mines), Government of Gujarat.
4. The Commissioner Secretary (Industries and Commerce), Union Territory of Jammu & Kashmir.
5. The Secretary (Industries, Mines and Geology), Government of Jharkhand.
6. The Secretary, (Industries and Commerce), Government of Karnataka.
7. The Secretary, Mineral Resource Department, Government of Madhya Pradesh.
8. The Addl. Chief Secretary (Industries and Mines), Government of Maharashtra.
9. The Commissioner and Secretary, Mining and Geology Department, Government of Meghalaya.
10. The Principal Secretary (Steel and Mines), Government of Odisha.
11. The Principal Secretary (Mines), Government of Rajasthan.
12. The Secretary (Mines and Geology), Government of Uttar Pradesh.
13. The Principal Secretary (Mines), Government of Uttarakhand.
14. The Commissioner & Secretary, Commerce & Industries Department, Government of Mizoram.

- 15.** The Director, Directorate of Mining & Geology, Kesavadasapuram, Pattom Palace P.O., Thiruvananthapuram - 695004, Kerala, India
- 16.** To Director, Govt. of Tripura, New Secretariat Building, Kunjaban, Agartala Tripura West, Tripura
- 17.** The Dy. Director General, PSS, GSI, CHQ, 27 JLN Road, Kolkata-700016.
- 18.** Dr. S Ravi, Dy. Director General and Chairman, TCC-1 (Special Invitee, PSC), GSI Training Institute, Hyderabad
- 19.** Shri Pradeep Singh, Dy. Director General and Chairman, TCC-2 (Special Invitee, PSC), CHQ, GSI, 27, JLN Road, Kolkata
- 20.** Shri S Dhanendran, Director/Member Secretary, TCC-1 (Special Invitee, PSC), GSI Training Institute, Hyderabad.
- 21.** Shri Sanjay Singh, Director/Member Secretary, TCC-2 (Special Invitee, PSC), GSI, Western Region, Jaipur
- 22.** The General Manager (Exploration), Mineral Exploration and Consultancy Limited (MECL), Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur - 440006.
- 23.** M/s Critical Mineral Trackers, E3, 3rd Floor, Technology Research Park, Indian Institute of Technology, IITH Road, near National Highway 65, Hyderabad, Kandi, Telangana-502285
- 24.** M/s Gemcokati Exploration Pvt. Ltd., E-77 MIDC, Chandrapur, Maharashtra-442401
- 25.** M/s Geo Marine Solutions Pvt. Ltd., 15-17-909/9, 5th Cross Shivabagh, Kadri, Mangalore-575005
- 26.** OMC Ltd., 7RFJ+96R, Gopabandhu Marg, Unit 4, Keshari Nagar, Bhubaneswar, Odisha 751001
- 27.** Vardan Envirolab LLP, Second Floor, Plot No. 82A, Sector 5, Imt Manesar, Gurugram, Haryana 122052
- 28.** M/s NRD Tata, Room No. 349, 3rd Floor Commercial Centre, General Office, Bistupur, Jamshedpur, East Singbhum, Jharkhand-831001
- 29.** Ocean Drilling and Exploration Pvt. Ltd., 24 A, Shanti Nagar, Bani Vihar, Near Diamond Residency, Jothwara, Jaipur- 332012
- 30.** Central Mine Planning & Design Institute Limited Kanke Rd, CMPDI Complex, Gondwana Place, Ranchi, Jharkhand 834008

31. Engeotech Consultant, 1338, Kachnar City Rd, Vijay Nagar, Jabalpur, Raksha, Madhya Pradesh 482002
32. The Madhya Pradesh State Mining Corporation Ltd., Paryawas Bhawan, Block 'A', II nd floor, Jail Road, Arera Hills, Bhopal, Madhya Pradesh 462027
33. Geovale Services Pvt. Ltd., GN 38/5, 3rd Floor, Sector V, Salt Lake, Kolkata, West Bengal 700091

Copy for kind information to:

1. PSO to Secretary, Mines/Chairman EC, NMEDT, Ministry of Mines, Shastri Bhawan, New Delhi
2. PPS to Director General, National Mineral Exploration and Development Trust, Ministry of Mines, Udyog Bhawan, New Delhi
3. PPS to JS&FA, Ministry of Mines, Shastri Bhawan, New Delhi.

Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 4th Project Sanctioning Committee (PSC) meeting, NMEDT
held on 13.01.2026 at 11:00 AM

The 4th meeting of Project Sanctioning Committee (PSC) was held under Chairmanship of Shri Pankaj Garg, Director General, NMEDT on 13.01.2026 at Aluminium Hall, Shastri Bhawan, New Delhi in hybrid mode. The list of participants is given at Annexure-1.

Smt. Geetika Sharma, Director (Projects) & Member Secretary, PSC extended a warm welcome to all members and informed that the project proposals recommended in the 86th and 87th meetings of TCC-1 and 19th and 20th meetings of TCC-2 were placed before the Committee for consideration and decision.

Technical-cum-Cost Committee-1 (TCC-1)

Agenda 4.1: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committee-1 (TCC-1)

The PSC members were informed that TCC-1 at its 86th and 87th meetings have recommended the following 04 mineral exploration proposals with an estimated cost of Rs. 8.44 crore for the approval of PSC:-

Amount in Rs. Crore								
Sl. No.	Project/Block Name	Area (in km ²)	Agency	Commodity	Stage	Duration (months)	Cost	Decision of PSC
1	General Exploration (G2) for Glauconitic Sandstone and Shale in Bhalukona Block [Block area- 8.62 sq. km], District: Mahasamund, Chhattisgarh [86th TCC-1]	8.62	MECL	Potash	G2	12	2.56	Approved
2	Reconnaissance survey (G4) for Critical Minerals in Gopalpura area, Chhatarpur District, Madhya Pradesh [87th TCC-1]	78.85	MECL	Critical Minerals	G4	12	1.58	Approved
3	Preliminary Exploration (G3) for Critical minerals in Atrar block, District: Chhatarpur, Madhya Pradesh [87th TCC-1]	23.76	MECL	Critical Minerals	G3	15	2.92	Approved
4	Reconnaissance survey (G4) for Ni, Cr and PGE in Charoti Area, Palghar District, Maharashtra [81st TCC-1] [2nd PSC] [87th TCC-1]	131	Critical Mineral Trackers (Notification valid upto 15- 05-2027)	Nickel, Chromium and PGE	G4	10	1.38	Approved
Total Projects		04		Total Cost (A)			8.44	

Decision of PSC: The PSC approved 04 mineral exploration projects amounting to Rs. 8.44 Cr., recommended by TCC-1.

Agenda 4.2: Approval for Procurement of machinery/equipment from NMEDT fund aimed at enhancing exploration activities, recommended by TCC-1.

Agenda 4.2 a: Approval for Financial Assistance from NMEDT funds to procure Machinery, Laboratory Equipment/instruments etc. aimed at enhancing exploration activities in the State of Kerala

PSC was apprised that DGM, Kerala has sought financial assistance for the procurement of Polarizing Microscope with Camera and Software, Petrographic Thin Section Unit, Crawler-Mounted Drill Rig with Accessories, WD XRF with Accessories, Vibratory Disc Mill with Grinding Sets, and Certified Reference Materials to strengthen its laboratory facilities and enhance mineral exploration activities in the State.

TCC-1 at its 86th meeting has recommended the proposal of DGM Kerala with an estimated cost of Rs. 539.90 lakh (excluding GST) with a timeline of 12 months.

Table showing component wise break up of cost:

Detail of equipment/instruments for procurement by DGM, Kerala

Sl. No.	Item	Quantity	Estimated Cost per unit (Rs. In Lakh)	Total Estimated Cost (Rs. In Lakh) (Excluding Taxes)
1.	Crawler Mounted Drill Rig With Associated Accessories			
1A	Hydrostatic Crawler Mounted Drill Rig (600m capacity)	1	91	91
1B	Drill rods, Casing and Core Barrel, Bits and accessories For 1 drill unit (600 m capacity)	-	43	43
1C	Hydrostatic Crawler Mounted Drill Rig (300m capacity)	1	62	62
1D	Drill rods, Casing and Core Barrel, Bits and accessories For 1 drill unit (300 m capacity)	-	25	25
Sub Total: (1A+1B+1C+1D)				221
2.	Polarizing Microscope with Camera and Software	1	20	20
3.	Petrographic Thin Section Unit	1	50	50
4.	WD XRF	1	220	220
5.	Pellet Press	-	3.9	3.9
6.	Certified Reference Material (CRM)	-	-	25
Total (1+2+3+4+5+6)				539.90

Discussion:

The Chairman, TCC-1 informed the Committee that DGM, Kerala had sought drilling rig for exploration of Al-laterite and critical minerals, considering the State's extensive lateritic cover along its long coastline. Sh. Abhay Agarwal, Controller of Mines, IBM enquired whether a 600-m capacity drilling rig was actually required for laterite and lateritic bauxite exploration, and also sought clarification on the status of critical mineral exploration in Kerala's beach sands.

Dr. P. Krishnamurthy, Technical Expert, commented that in addition to lateritic bauxite, the northern part of Kerala hosts Pan-African alkaline-peralkaline-carbonatite suites with potential for critical minerals, while beach sand deposits have largely been explored by AMD. He further stated that if DGM Kerala is procuring WD-XRF for the first time, careful planning and proper training of personnel are essential to ensure accurate and timely analyses.

Sh. N. K. Panda, Regional Director (SR), AMD asked about the annual drilling quantum. DGM Kerala stated that three old rigs are currently deployed at three sites in northern Kerala with drilling upto about 50 m depth. Sh. Panda noted that a 600 m-capacity hydrostatic rig requires a much higher and sustained drilling programme to avoid underutilization. He also sought the expected annual sample volume for WD-XRF analysis and emphasized that the equipment must be fully utilized year-round.

Sh. Abhay Agarwal further enquired about the deep-seated minerals being targeted using these equipments/instruments. The committee was apprised that Gold, PGE and deep seated rare earths are the main target minerals for exploration activities.

Decision of PSC: PSC approved the procurement project of DGM Kerala titled "Financial assistance from NMEDT funds to procure Machinery, Laboratory Equipment/instruments etc. aimed at enhancing exploration activities in the State of Kerala" with a cost of Rs. 539.90 Lakh (exclusive of taxes) and a timeline of 12 months. The approval was granted on the condition that DGM Kerala shall undertake comprehensive exploration and generate adequate number of samples to ensure the instrument is fully utilized.

Agenda 4.3: Approval of additional cost/cost revision of ongoing exploration/ procurement projects with timeline extension (if any), recommended by TCC-1

TCC-1 have recommended additional cost/cost revision of following 1 mineral exploration proposal for the consideration of Project Sanctioning Committee:-

S. No.	Block/Project	Agency	Approved cost (Rs.) (in lakh)	Revised cost (Rs.) (in lakh)	Additional Cost (Rs.) (in lakh)	Time line extension	Decision of PSC	Remarks
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1	Reconnaissance Survey (G-4) for Tungsten, REE and Associated minerals in and around Nellie Area (114.96 sq. km), Morigaon and West Karbi Anglong Districts, Assam [87 th TCC-1]	MECL	264.31	140.72	(-)123.59	-	Approved	Drilling component changed from Hard rock (upto 300 m) to Auger drilling. The auger drilling to be outsourced.
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Decision of PSC: PSC approved cost revision of 1 project, recommended by TCC-1.

Agenda 4.4: Approval of pre-closure of ongoing exploration/ procurement project alongwith cost revision (if any), recommended by TCC-1:

TCC-1 has recommended the pre-closure of 01 mineral exploration proposal with downward revision of cost for the approval of Project Sanctioning Committee:-

S. No.	Block/Project	Agency	Approved on	Duration (in months)	Approved cost (Rs. in lakh)	Revised cost (Rs. in lakh)	Cost change (Rs. in lakh)	Remarks	Decision of PSC
1	Preliminary Exploration (G-3) for Limestone in Sawalhira (East) Block, Chandrapur District, Maharashtra [79 th TCC-1] [1 st PSC] [86 th TCC-1]	Gemcokati Exploration Pvt. Ltd	35 th EC (SO Issued on 10.06.2024)	10	86.71	57.22	(-) 29.49	Forest clearance issue and non-promising value of CaO	Approved

Decision of PSC: The PSC approved the pre-closure of 1 project with revised cost, recommended by TCC-1.

Agenda 4.5: Approval of surrender of project with timeline extension (if any), recommended by TCC-1:

TCC-1 has recommended the surrender of 02 mineral exploration proposals for approval of Project Sanctioning Committee:-

S. No.	Block/Project	Agency	Approved on	Duration (in months)	Approved cost (Rs. in lakh)	Remarks	Decision of PSC
1	Preliminary Exploration (G-3) for Graphite in Chormunda Block (3.75 sq.km.), District- Balangir and Nuapara, Odisha. [86 th TCC-1]	MECL	36 th EC (SO Issued on 29.08.2024)	12	259.52	Project could not be initiated due to strong local agitation	Approved
2	Preliminary Exploration (G-3) for Graphite in Temrimal Block (4.0 sq.km.), District- Balangir and Bargarh, Odisha [86 th TCC-1]	MECL	36 th EC (SO Issued on 29.08.2024)	12	273.71	Project could not be initiated due to strong local agitation	Approved

Decision of PSC: The PSC has approved the surrender of 2 projects recommended by TCC-1.

Agenda 4.6: Approval of timeline extension of ongoing exploration/ procurement/ baseline data generation projects, recommended by TCC-1:

TCC-1 have recommended timeline extension of following 8 mineral exploration/procurement/baseline data generation projects, for approval of Project Sanctioning Committee:-

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks	Decision of PSC
1	Reconnaissance Survey (G-4 Stage) for Glauconite, Phosphorite & REE in Ambara-Marub Block, District Kachchh, Gujarat [86 th TCC-1]	MECL	23.12.2025	31.03.2026	For completion of work and GR submission.	Approved
2	Reconnaissance Survey (G4) for Glauconite in Ambara West Block, Kachchh District, Gujarat. [86 th TCC-1]	MECL	12.12.2025	31.03.2026	For completion of work and GR submission.	Approved
3	Preliminary exploration for Aluminous Laterite and Associated Critical Elements (V, Ga, & REE)	Geo Marine Solutions Pvt. Ltd.	29.10.2025	29.11.2025	For GR submission	Approved

	in Mundalli Block, Uttara Kannada District, Karnataka. [86 th TCC-1]					
4	Preliminary Exploration (G-3) for Gold & assoc. minerals in Sirigeri Block (2 sq.km.), Ballari district, Karnataka. [86 th TCC-1]	DMG, Karnataka	14.12.2025	28.02.2026	For GR submission	Approved
5	Reconnaissance (G-4) for Manganese around Kandhal area of Rairakhol Tahasil of Sambalpur District, Odisha. [87 th TCC-1]	DMG, Odisha	12.10.2025	31.03.2026	For completion of drilling and submission of GR.	Approved
6	Reconnaissance Survey (G4) for Graphite in and around Khairmal area, Bolangir District, Odisha. [87 th TCC-1]	OMC Ltd.	31.12.2025	31.03.2026	For completion of work and GR submission.	Approved
7	Reconnaissance survey (G4) for Graphite in Dhourakhaman area (60.0 Sq. Km), District: Bolangir, Odisha. [87 th TCC-1]	OMC Ltd.	31.12.2025	31.03.2026	For completion of work and GR submission.	Approved
8	Engaging a Technical Supervision and Quality Control (TS-QC) consultant for Monitoring of Quality Assurance/Quality control (QA/QC) of the Multi-sensor Aerogeophysical Surveys over Blocks- 14 under Phase-II of National Airborne Geophysical Mapping Programme (NAGMP) [85 th TCC-1]	GSI	17.01.2026	31.08.2026	Delay in execution.	Approved

Decision of PSC: PSC approved the timeline extension of 08 projects, recommended by TCC-1.

Technical-cum-Cost Committee-2 (TCC-2)

Agenda 4.7: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committee-2 (TCC-2)

The PSC members were informed that TCC-2 at its 19th and 20th meetings have recommended the following 03 mineral exploration proposals with an estimated cost of Rs. 7.74 crore for the approval of PSC:-

Amount in Rs. Crore								
Sl. No.	Project/Block Name	Area (in km ²)	Agency	Commodity	Stage	Duration (months)	Cost	Decision of PSC
1	Reconnaissance Survey (G4) for copper and associated mineralization in Salwari-Narsinghpuri-Pachlagi Area, Sikar District, Rajasthan. [12 th TCC-2] [1 st PSC] [19 th TCC-2]	24.01	M/s Vardan Environet LLP	Copper and associated mineralisation	G4	10	2.85	Approved
2	Preliminary Exploration (G-3) for Graphite and associated Minerals, Mahadevbera block, Seraikela-Kharsawan District, Jharkhand [13 th TCC-2] [2 nd PSC] [20 th TCC-2]	3.0	Natural Resources Division-Tata Steel Limited	Graphite and associated Minerals	G3	15	4.13	Approved
3	Preliminary exploration (G3) for Vanadium, Graphite, Barium and other associated minerals in Chaura-Maunkanda block, Champawat District, Uttarakhand [14 th TCC-2] [2 nd PSC] [20 th TCC-2]	3.59	Ocean Drilling and Exploration Private Limited	Vanadium, Graphite, Barium and other associated minerals	G3	15	0.76	Approved
Total Projects			03	Total Cost (A)			7.74	

Decision of PSC: The PSC approved 03 mineral exploration projects amounting to Rs. 7.74 Cr., recommended by TCC-2.

Agenda 4.8: Approval for Procurement of machinery/equipment aimed at enhancing exploration activities from NMEDT fund recommended by TCC-2.

Agenda 4.8 a: Approval for Financial Assistance from NMEDT funds to procure Machinery, Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities in the State of Mizoram

The committee was apprised that three projects of procurement have been sanctioned to DGM, Mizoram. The approved costs of Project 1, 2 and 3 are Rs. 2,73,74,600/-, Rs. 1,97,99,000/- and Rs. 29,50,000/- respectively.

Details of the approved and modified items project wise are tabulated as follows:

Detail of approved procurement items and proposed modification recommended by TCC 2 for approval of PSC									
Project 1									
S. No.	Items	Approved Quantity	Estimated Cost Per unit	Total approved cost	Approved at	Later Modification, if any	Modification approved at	Cost after modification, if any	Proposal for 4 th PSC
1	Digital Camera DSLR	1	1,25,000	1,25,000	27 th EC meeting	-	-	1,25,000	-
2	Brunton compass	10	10,000	1,00,000	27 th EC meeting	-	-	1,00,000	-
3	Geologists Hammer	10	7,200	72,000	27 th EC meeting	-	-	72,000	-
4	Handheld GPS	10	8,000	80,000	27 th EC meeting	Cost modification Addl. 4,39,200/-	39 th EC meeting	5,19,200	Addl. Cost of Rs. 30800/-
5	Scintillometer	1	6,00,000	6,00,000	27 th EC meeting	-	-	6,00,000	-
6	Rock processing unit (Polishing, grinding, mounting)	1	10,00,000	10,00,000	27 th EC meeting	-	-	10,00,000	-
7	Pulverizer	1	6,00,000	6,00,000	27 th EC meeting	1. Addl. Cost of 11,11,000 was approved. 2. Pulverizer was replaced with Vibratory Cup Mill to be procured at same rate	1. 42 nd EC meeting 2. 3 rd PSC meeting	17,11,000	-
8	Research Polarising Microscope	1	12,00,000	12,00,000	27 th EC meeting	Additional cost of Rs. 1,92,400/- for procurement	3 rd PSC meeting	13,92,400	-

	with software attached camera for Transmitted and Reflected light with accessories					of Research Polarising Microscope with Vertical illuminator, LED light & fixed polariser for reflected light path			
9	WD-XRF	1	40,00,000	40,00,000	27 th EC meeting	The item was removed later from Project 1 and placed in Project 2	29 th EC meeting	(-) 40,00,000	-
10	Fusion bead machine	1	20,00,000	20,00,000	27 th EC meeting	-	-	20,00,000	Addl. Cost of Rs. 17,59,363/-
11	Press pellet machine	1	3,90,000	3,90,000	27 th EC meeting	-	-	3,90,000	-
12	Hot Plates	1	10,000	10,000	27 th EC meeting	-	-	10,000	-
13	Muffle furnace	1	1,00,000	1,00,000	27 th EC meeting	-	-	1,00,000	-
14	Air Oven	1	55,000	55,000	27 th EC meeting	-	-	55,000	-
15	GIS softwares	1	13,00,000	13,00,000	27 th EC meeting	The cost was enhanced and the item was removed from Project 1 and placed at Project 2	29 th EC meeting	(-) 13,00,000	-
16	Hydrostatic drill machine upto 600m capacity	1	80,00,000	80,00,000	27 th EC meeting	-	-	80,00,000	-

17	Drill Accessories			80,00,000	27 th EC meeting	-	-	80,00,000	-
18	Pumps	1	15,00,000	15,00,000	27 th EC meeting	-	-	15,00,000	-
19	Core Splitter	1	2,00,000	2,00,000	27 th EC meeting	-	-	2,00,000	-
20	DGPS (1 set)	1	16,00,000	16,00,000	27 th EC meeting	-	-	16,00,000	-
				3,09,32,000	27 th EC meeting	-	-	2,73,74,600	Addl. Cost of Rs. 17,90,163/- i.e. Rs. 2,91,64,763/-

Project 2									
S. No.	Items	Quantity	Estimated Cost Per unit	Total approved cost	Approved at	Later Modification, if any	Modification approved at	Cost after modification, if any	Proposal for 4 th PSC
1	GIS Software	3	15,33,000	45,99,000	29 th EC meeting	-	-	45,99,000	-
2	WD-XRF	1	1,50,00,000	1,50,00,000	29 th EC meeting	-	-	1,50,00,000	-
3	Bomb Calorimeter	1	-	-	-	Added during 35 th EC meeting	35 th EC Meeting	2,00,000	-
				1,95,99,000				1,97,99,000	

Project 3									
S. No.	Items	Quantity	Estimated Cost Per unit	Total approved cost	Approved at	Later Modification, if any	Modification approved at	Cost after modification, if any	Proposal for 4 th PSC
1	DGPS	1	29,50,000	29,50,000	39 th EC meeting	-		-	
				29,50,000		-		-	

The committee was apprised that DGM, Mizoram have requested additional cost of Rs. 30800/- for 10 units mentioned at Sl. No. 4 and additional cost of Rs. 17,59,363/- for Fusion bead Machine mentioned at Sl. No. 10 of Project 1.

Further, DGM Mizoram have requested timeline extension from 30.09.2025 to 31.03.2026 for completion of procurement of Project 1 and Project 2.

Project No.	Approved cost (Rs.)	Cost Revision (Rs.)	Change in amount (Rs.)	Timeline extension, if any		Remarks
				Scheduled date of completion	Extension Recommended upto	
Project 1	2,73,74,600	2,91,64,763	17,90,163	30.09.2025	31.03.2026	Addl. Cost of Rs. 30800/- for 10 units mentioned at Sl. No. 4 and Addl. Cost of Rs. 17,59,363/- for Fusion bead Machine mentioned at Sl. No. 10 of Project 1
Project 2				30.09.2025	31.03.2026	

Discussion:

Chairman, PSC asked about exploration activities by DGM Mizoram. DGM Mizoram informed that no exploration projects are currently being undertaken and that the proposed procurement is intended to strengthen technical capacity, as the department is presently not adequately equipped for exploration work.

The Chairman, PSC also enquired whether any exploration proposals have been formulated to date and noted that the approved procurement had not yet been completed. He advised the Chairman, TCC-2 to revisit the proposal for cost enhancement of Project-1.

Decision of PSC:

- PSC deferred the proposal for additional cost of ₹17,90,163 for Project-1 and directed TCC-2 to revisit it, while instructing DGM Mizoram to submit a clear action plan for procurement and utilization of equipment.
- The PSC approved the timeline extension for Project 1 and Project 2 from 30.09.2025 to 31.03.2026.

[Action: TCC-2, DGM, Mizoram]

Agenda 4.9: Approval of additional cost/cost revision of ongoing exploration/ procurement projects with timeline extension (if any), recommended by TCC-2

TCC-2 have recommended additional cost/cost revision of following 5 mineral exploration projects for approval of Project Sanctioning Committee:-

S. No.	Block/Project	Agency	Approved cost (Rs.) (in lakh)	Revised cost (Rs.) (in lakh)	Additional Cost (Rs.) (in lakh)	Time line extension	Remarks	Decision of PSC
1	Reconnaissance survey (G4) for copper and associated minerals in Kochipur Area District - Sidhi, Madhya Pradesh [19th TCC-2]	CMPDI	125.13	125.78	0.65	From 31.12.25 to 28.02.26	Additional sample analyses. Timeline extension is recommended for GR submission.	Approved
2	Preliminary exploration for Magnetite and associated minerals in Pipradih Block, District Giridih, State Jharkhand [19th TCC-2]	CMPDI	147.25	148.27	1.02	From 31.12.25 to 31.03.26	Addl. Labours and minerographic studies approved. Timeline extension is recommended for GR submission.	Approved
3	Reconnaissance Survey (G-4) for Limestone in and around Nanhwara Kymore Area, Katni District, Madhya Pradesh [19th TCC-2] [20th TCC-2]	Engeotech Consultant	103.59	98.40	(-) 5.19	From 09.12.25 to 08.06.26	BH no. PBH-3 dropped	Approved
4	Preliminary Exploration (G-3) for Bauxite, Titanium and associated minerals in Anvrapat Block, Lohardaga District, Jharkhand [20th TCC-2]	MECL	175.63	180.81	5.18	-	For analysis of 2 addl. elements	Approved
5	Reconnaissance Survey (G-4) for Glauconitic Sandstone in Kisanpur Block,	MECL	91.40	93.02	1.62	From 12.10.25 to 15.12.25	Additional 8 m of drilling and 19 extra samples for four radical analyses.	Approved

	District- Satna, Madhya Pradesh [18 th TCC-2] [20 th TCC-2]						Timeline extension is recommended for GR submission.	
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Decision of PSC: PSC approved cost revision along with timeline extension, if any, of 5 projects, recommended by TCC-2.

Agenda 4.10: Approval of pre-closure of ongoing exploration/ procurement project alongwith cost revision and time line extension (if any), recommended by TCC-2:

TCC-2 have recommended the pre-closure of 06 mineral exploration proposals for approval of Project Sanctioning Committee:-

S. No.	Block/Project	Agency	Approved on	Duration (in months)	Approved cost (Rs. in lakh)	Revised cost (Rs. in lakh)	Cost change (Rs. in lakh)	Time line extension	Remarks	Decision of PSC
1	Reconnaissance Survey (G-4) for Phosphorite in Bijawar-Imiliya Area (95.67 sq.km.), Chhattarpur district, Madhya Pradesh [19th TCC-2] [20th TCC-2]	MPSMCL	32 nd EC (SO Issued on 12.12.2023)	12	126.86	28.87	(-) 97.99	From 11.06.2025 to 10.02.2026	Non- encouraging values of P ₂ O ₅ Timeline extension for GR submission	Approved
2	Preliminary Exploration (G-3) for Bauxite, Gallium, Vanadium, REE in Sandhan Block, Kachchh District, Gujarat [20th TCC-2]	Geo Marine Solutions Pvt. Ltd.	39 th EC (SO Issued on 10.02.2025)	14	203.14	81.06	(-) 122.08	-	Low CaO in calcareous sediments and very low REE content in clay samples	Approved
3	Reconnaissance Survey (G-4) for Wollastonite in Bhadli Block, District- Banaskantha, Gujarat [20th TCC-2]	MECL	40 th EC (SO Issued on 05.03.2025)	10	160.76	53.50	(-) 107.26	From 04.01.2026 to 31.03.2026	Highly variable CaO–SiO ₂ values. Most wollastonite samples yielded values below industry requirements. Time extension for submission of GR	Approved
4	Preliminary Exploration (G-3) for Kyanite and Sillimanite in Malada Block, District- Bhandara and Gondia, Maharashtra [20th TCC-2]	MECL	41 st EC (SO Issued on 19.03.2025)	10	140.41	25.09	(-) 115.32	From 18.01.2026 to 31.03.2026	Results not encouraging for further exploration Time extension for submission of GR	Approved

5	Reconnaissance Survey (G-4) for Iron, Manganese and Associated Minerals in Jauli-Sailwara Block, District- Jabalpur, Madhya Pradesh [20th TCC-2]	MECL	38 th EC (SO Issued on 13.12.2024)	10	135.36	64.39	(-) 70.97		Integrated studies including mapping and sampling indicated mineralisation as low- to medium grade, discontinuous and restricted mainly to surface expressions only	Approved
6	Reconnaissance survey for Nickel, Cobalt and PGE in Botad area, Botad District, Gujarat. [13th TCC-2] [2nd PSC] [19th TCC-2] [20th TCC-2]	Critical Mineral Trackers	41 st EC (SO Issued on 23.03.2025)	10	128.25	46.44	(-) 81.81	From 22.01.2026 to 22.02.2026	The analytical values for Ni, Co and PGE not encouraging. Time extension for submission of GR	Approved

Decision of PSC: PSC approved pre-closure of ongoing 06 exploration projects along with cost revision and timeline extension, if any, recommended by TCC-2.

Agenda 4.11: Approval of timeline extension of ongoing exploration/ procurement/ baseline data generation projects, recommended by TCC-2:

TCC-2 have recommended timeline extension of following 20 mineral exploration/procurement/baseline data generation projects, for approval of Project Sanctioning Committee :-

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks	Decision of PSC
1	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities. [19th TCC-2]	DGM Jammu and Kashmir	31.10.2025	31.05.2026	Revised tendering process required for completion of procurement	Approved
2	Preliminary Exploration (G3) for Graphite in Patimal Block, District Balangir, Odisha [19th TCC-2]	MECL	21.10.2025	20.06.2026	For completion of work and GR submission Delay due to local agitation	Approved
3	Reconnaissance Survey (G-4) for REE, Glauconite and Associated minerals in Devpur Area (138.52 sq. km), Kachchh District, Gujarat. [19th TCC-2]	MECL	18.01.2026	31.03.2026	For GR submission	Approved
4	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities. [20th TCC-2]	DGM Tripura	31.03.2025	31.03.2026	Delay in procurement	Approved
5	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities [20th TCC-2]	DGM Uttar Pradesh	31.12.2025	30.04.2026	Delay in procurement	Approved
6	Reconnaissance Survey (G-4) for Limestone in Dhanokhar Nagod Limestone Block, Panna &	MPSMCL	27.07.2025	26.05.2026	For completion of work and	Approved

	Satna District, Madhya Pradesh [20th TCC-2]				GR submission	
7	Reconnaissance Survey (G-4) for REE and Phosphorite in Sumarsar Block, Kachchh District, Gujarat [20th TCC-2]	MECL	18.01.2026	30.04.2026	For GR submission	Approved
8	Reconnaissance Survey (G-4) for REE and Associated Minerals in Saiyedpar Block, District: Kachchh, Gujarat [20th TCC-2]	MECL	18.01.2026	17.04.2026	For GR submission	Approved
9	Reconnaissance Survey (G-4) for REE, RM, Glauconite and Phosphorite in Devisar Block, District: Kachchh, Gujarat [20th TCC-2]	MECL	18.01.2026	17.04.2026	For GR submission	Approved
10	Reconnaissance Survey for REE (G-4) Exploration in Bhuj Clay Prospect Block, Kachchh District Gujarat [20th TCC-2]	Geovale Services Pvt. Ltd.	30.06.2025	31.01.2026	For GR submission	Approved
11	Reconnaissance Survey (G-4) for Mailar Base Metal–Gold Prospect Block in Mailar Area, Lalitpur District, Uttar Pradesh [20th TCC-2]	Geovale Services Pvt. Ltd.	31.10.2025	31.01.2026	For GR submission	Approved
12	Reconnaissance Survey (G-4) for Graphite and Vanadium in Matena-Sirar Area, Almora District, Uttarakhand [20th TCC-2]	Geovale Services Pvt. Ltd.	20.08.2025	31.05.2026	For GR submission	Approved
13	Reconnaissance Survey (G-4) for Basemetal in Thal-Didihat Askot area, Pithoragarh district, Uttarakhand [20th TCC-2]	Geovale Services Pvt. Ltd.	31.10.2025	31.05.2026	For GR submission	Approved
14	Preliminary Exploration (G3) in Jhalauthar Phosphorite Block for Rock Phosphate, Bada Malehra Taluka, Chhatarpur District, Madhya Pradesh	Engeotech Consultant	29.10.2025	28.06.2026	For GR submission	Approved

	[13th TCC-2] [1st PSC]					
15	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities [18th TCC-2]	DTCI, Manipur	31.08.2025	31.01.2026	Delay due to revised tendering	Approved
16	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities [18th TCC-2]	DMR Meghalaya	31.10.2025	31.03.2026	Delay due to re-tendering for microscope	Approved
17	Preliminary Exploration of Ion-Adsorption and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block, East Khasi and West Jaintia Hills Districts, Meghalaya [18th TCC-2]	DMR Meghalaya	09.11.2025	31.03.2026	Delay in tender process for outsourced components	Approved
18	Reconnaissance Survey for REE and associated Minerals in Nokhaniya area, Kachchh District, Gujarat [18th TCC-2]	MECL	18.01.2026	31.03.2026	For completion of work	Approved
19	Preliminary Exploration for Copper, Lead, Zinc and Associated Metals in Salaiya Phatak Block, District: Katni, Madhya Pradesh [18th TCC-2]	MECL	30.11.2025	15.12.2025	For GR submission	Approved
20	Reconnaissance survey for manganese and associated minerals in Katori-Jhiriya block, District: Balaghat, Madhya Pradesh [18th TCC-2]	MECL	30.10.2025	15.12.2025	For GR submission	Approved

Decision of PSC: PSC approved timeline extension of 20 ongoing exploration/procurement/baseline data generation projects recommended by TCC-2.

Annexure-1**List of Participants**

Sl. No	Name of the person	Designation	Mode
1	Shri Pankaj Garg	DG, NMEDT and Chairman	Physical
2	Shri N. K. Panda	Regional Director (SR), AMD	Online
3	Sh. Birendra Thakur	Director (Tech.), MoC	Online
4	Shri Anshoo Pandey	Director, NCMM	Physical
5	Smt. Geetika Sharma	Director – Projects, NMEDT & Member Secretary	Physical
6	Shri Alok Kumar	Dy. Secretary, IFD, Mines	Online
7	Shri Abhay Agrawal	Controller of Mines, IBM	Online
8	Shri Jayanta Kumar Naik	Director, NM-II, GSI, Nagpur	Online
9	Shri Ravi Dutt	Cost Accounts Officer	Physical
10	Shri Gopal Ram	Additional Director Geology (HQ), DMG, Rajasthan	Online
11	Shri Vinod Bagdey	Addl. Director, MRD, M.P., Govt. of Madhya Pradesh	Online
12	Shri S. P. Kadoo	Deputy Director, DGM Maharashtra Govt. of Maharashtra	Online
13	Ms. Deepa	Director, (Geology and Mining) Govt. of Tamil Nadu	Online
14	Dr. P Krishnamurthy	Technical Expert	Online
15	Shri Pankaj Satija	Technical Expert	Online
16	Shri Hanuma Prasad	Technical Expert	Online
17	Shri B P Raturi	Technical Expert	Online
Invitee			
18	Dr. S Ravi	Dy. DG and Chairman, TCC-1	Online
19	Shri Pradeep Singh	Dy. DG and Chairman, TCC-2	Online
20	Shri S Dhanendran	Director and Member Secretary, TCC-1	Online
21	Shri Sanjay Singh	Director and Member Secretary, TCC-2	Online

11

Timeline Extension OM No. 740

**Government of India
Ministry of Mines
National Mineral Exploration & Development Trust**

No. 117/1/2025/NMET/ 740

New Delhi, 21/01/ 2026

OFFICE MEMORANDUM

Subject: Approval of extension of timeline for ongoing projects sanctioned to Exploration Agencies from NMEDT.

On the recommendation of Technical-cum-Cost Committees (TCCs), the Project Sanctioning Committee of NMEDT in its 4th meeting held on 13th January, 2026 has approved the extension of timeline for following ongoing projects:

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
1	Reconnaissance Survey (G-4 Stage) for Glauconite, Phosphorite & REE in Ambara-Marua Block, District Kachchh, Gujarat	MECL	23.12.2025	31.03.2026	For completion of work and GR submission.
2	Reconnaissance Survey (G4) for Glauconite in Ambara West Block, Kachchh District, Gujarat.	MECL	12.12.2025	31.03.2026	For completion of work and GR submission.
3	Preliminary exploration for Aluminous Laterite and Associated Critical Elements (V, Ga, & REE) in Mundalli Block, Uttara Kannada District, Karnataka.	Geo Marine Solutions Pvt. Ltd.	29.10.2025	29.11.2025	For submission GR
4	Preliminary Exploration (G-3) for Gold & assoc. minerals in Sirigeri Block (2 sq.km.), Ballari district, Karnataka.	DMG, Karnataka	14.12.2025	28.02.2026	For submission GR
5	Reconnaissance (G-4) for Manganese around Kandhal area of Rairakhol Tahasil of Sambalpur District, Odisha.	DMG, Odisha	12.10.2025	31.03.2026	For completion of drilling and submission of GR.
6	Reconnaissance Survey (G4)	OMC Ltd.	31.12.2025	31.03.2026	For completion

	for Graphite in and around Khairmal area, Bolangir District, Odisha.				of work and GR submission.
7	Reconnaissance survey (G4) for Graphite in Dhourakhaman area (60.0 Sq. Km), District: Bolangir, Odisha.	OMC Ltd.	31.12.2025	31.03.2026	For completion of work and GR submission.
8	Engaging a Technical Supervision and Quality Control (TS-QC) consultant for Monitoring of Quality Assurance/Quality control (QA/QC) of the Multi-sensor Aerogeophysical Surveys over Blocks- 14 under Phase-II of National Airborne Geophysical Mapping Programme (NAGMP)	GSI	17.01.2026	31.08.2026	Delay in execution.
9	Financial Assistance from NMEDT funds to procure Machinery, Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities in the State of Mizoram (Project 1 & Project 2)	DGM Mizoram	30.09.2025	31.03.2026	For completion of procurement
10	Reconnaissance survey (G4) for copper and associated minerals in Kochipur Area District - Sidhi, Madhya Pradesh	CMPDI	31.12.2025	28.02.2026	For GR submission
11	Preliminary exploration for Magnetite and associated minerals in Pipradih Block, District Giridih, State Jharkhand	CMPDI	31.12.2025	31.03.2026	For GR submission
12	Reconnaissance Survey (G-4) for Limestone in and around Nanhwara Kymore Area, Katni District, Madhya Pradesh	Engeotech Consultant	09.12.2025	08.06.2026	For completion of work
13	Reconnaissance Survey (G-4) for Glauconitic Sandstone in Kisanpur Block, District-Satna, Madhya Pradesh	MECL	12.10.2025	15.12.2025	For GR submission
14	Reconnaissance Survey (G-4) for Phosphorite in Bijawar-Imiliya Area (95.67 sq.km.),	MPSMCL	11.06.2025	10.02.2026	For GR submission

	Chhattarpur district, Madhya Pradesh				
15	Reconnaissance Survey (G-4) for Wollastonite in Bhadli Block, District- Banaskantha, Gujarat	MECL	04.01.2026	31.03.2026	For GR submission
16	Preliminary Exploration (G-3) for Kyanite and Sillimanite in Malada Block, District- Bhandara and Gondia, Maharashtra	MECL	18.01.2026	31.03.2026	For GR submission
17	Reconnaissance survey for Nickel, Cobalt and PGE in Botad area, Botad District, Gujarat.	Critical Mineral Trackers	22.01.2026	22.02.2026	For GR submission
18	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.	DGM Jammu and Kashmir	31.10.2025	31.05.2026	Revised tendering process required for completion of procurement
19	Preliminary Exploration (G3) for Graphite in Patimal Block, District Balangir, Odisha	MECL	21.10.2025	20.06.2026	For completion of work and GR submission.
20	Reconnaissance Survey (G-4) for REE, Glauconite and Associated minerals in Devpur Area (138.52 sq. km), Kachchh District, Gujarat.	MECL	18.01.2026	31.03.2026	For GR submission
21	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.	DGM Tripura	31.03.2025	31.03.2026	Delay in procurement
22	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities	DGM Uttar Pradesh	31.12.2025	30.04.2026	Delay in procurement
23	Reconnaissance Survey (G-4) for Limestone in Dhanokhar Nagod Limestone Block, Panna & Satna District, Madhya Pradesh	MPSMCL	27.07.2025	26.05.2026	For completion of work and GR submission
24	Reconnaissance Survey (G-	MECL	18.01.2026	30.04.2026	For GR

	4) for REE and Phosphorite in Sumarsar Block, Kachchh District, Gujarat				submission
25	Reconnaissance Survey (G-4) for REE and Associated Minerals in Saiyedpar Block, District: Kachchh, Gujarat	MECL	18.01.2026	17.04.2026	For GR submission
26	Reconnaissance Survey (G-4) for REE, RM, Glauconite and Phosphorite in Devisar Block, District: Kachchh, Gujarat	MECL	18.01.2026	17.04.2026	For GR submission
27	Reconnaissance Survey for REE (G-4) Exploration in Bhuj Clay Prospect Block, Kachchh District Gujarat	Geovale Services Pvt. Ltd.	30.06.2025	31.01.2026	For GR submission
28	Reconnaissance Survey (G-4) for Mailar Base Metal–Gold Prospect Block in Mailar Area, Lalitpur District, Uttar Pradesh	Geovale Services Pvt. Ltd.	31.10.2025	31.01.2026	For GR submission
29	Reconnaissance Survey (G-4) for Graphite and Vanadium in Matena-Sirar Area, Almora District, Uttarakhand	Geovale Services Pvt. Ltd.	20.08.2025	31.05.2026	For GR submission
30	Reconnaissance Survey (G-4) for Basemetal in Thal-Didihat Askot area, Pithoragarh district, Uttarakhand	Geovale Services Pvt. Ltd.	31.10.2025	31.05.2026	For GR submission
31	Preliminary Exploration (G3) in Jhalauthar Phosphorite Block for Rock Phosphate, Bada Malehra Taluka, Chhatarpur District, Madhya Pradesh	Engeotech Consultant	29.10.2025	28.06.2026	For GR submission
32	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities	DTCL, Manipur	31.08.2025	31.01.2026	Delay due to revised tendering
33	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities	DMR Meghalaya	31.10.2025	31.03.2026	Delay due to re-tendering for microscope

34	Preliminary Exploration of Ion-Adsorption and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block, East Khasi and West Jaintia Hills Districts, Meghalaya	DMR Meghalaya	09.11.2025	31.03.2026	Delay in tender process for outsourced components
35	Reconnaissance Survey for REE and associated Minerals in Nokhaniya area, Kachchh District, Gujarat	MECL	18.01.2026	31.03.2026	For completion of work
36	Preliminary Exploration for Copper, Lead, Zinc and Associated Metals in Salaiya Phatak Block, District: Katni, Madhya Pradesh	MECL	30.11.2025	15.12.2025	For GR submission
37	Reconnaissance survey for manganese and associated minerals in Katori-Jhiriya block, District: Balaghat, Madhya Pradesh	MECL	30.10.2025	15.12.2025	For GR submission

This issues with the approval of Competent Authority.



[Geetika Sharma]

Director (Projects)

NMEDT

To,

1. The Managing Director, MECL, Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur-440006.
2. PS to Director General, Geological Survey of India, 27, J. L Nehru Road, Kolkata- 700016.
3. The Director, Directorate of Geology, Government of Odisha, Bhu-Bigyan Bhawan, Bhubaneswar- 751001.
4. The Director, Directorate of Mineral Resources, Government of Meghalaya.
5. The Director, Department of Mines and Geology, Government of Karnataka.
6. To Director, Govt. of Tripura, New Secretariat Building, Kunjaban, Agartala Tripura West, Tripura
7. The Director, Department of Geology and Mining, Union Territory of Jammu and Kashmir.

8. The Director, Directorate of Geology and Mining, Government of Uttar Pradesh.
9. M/s Geo Marine Solutions Pvt. Ltd., 15-17-909/9, 5th Cross Shivabagh, Kadri, Mangalore-575005.
10. Engeotech Consultant, 1338, Kachnar City Rd, Vijay Nagar, Jabalpur, Raksha, Madhya Pradesh 482002
11. The Managing Director, Odisha Mining Corporation, OMC House, Bhubaneswar-751001.
12. The Director, Directorate of Geology and Mineral Resource, Government of Mizoram.
13. The Chairman-cum-Managing Director, CMPDIL, Gondwana Place, Kanke Road, Ranchi-834031.
14. M/s Critical Mineral Trackers, E3, 3rd Floor, Technology Research Park, Indian Institute of Technology, 11TH Road, near National Highway 65, Hyderabad, Kandi, Telangana-502285.
15. The Madhya Pradesh State Mining Corporation Ltd., Paryawas Bhawan, Block 'A', II nd floor, Jail Road, Arera Hills, Bhopal, Madhya Pradesh 462027
16. Geovale Services Pvt. Ltd., GN 38/5, 3rd Floor, Sector V, Salt Lake, Kolkata, West Bengal 700091
17. The Director, Department of Trade, Commerce and Industries, Government of Manipur

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Cost Revision OM No. 818

Government of India
Ministry of Mines
National Mineral Exploration and Development Trust

F.No.23/563/2024-NMET/818

New Delhi, 10.02.2026

OFFICE MEMORANDUM

Subject: Approval for reduction in cost of the project "Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh."

Agency :- M/s Engeotech Consultants.

On the recommendation of Technical-cum-Cost Committee (TCC) of NMEDT, the Executive Committee (EC) in its 39th meeting held on 24th January, 2025 had approved the mineral exploration project "Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh" with timeline of 8 months and approved cost of ₹70,14,523/- (including GST).

2. There was additional cost of ₹33,44,280/- as approved by 43rd EC of NMEDT. The revised cost is ₹1,03,58,803/-. An OM dt. 12.09.2025 was issued to the agency.

3. Now, on the recommendation of the TCC of NMEDT, the Project Sanctioning Committee (PSC) in its 4th meeting held on 13th January, 2026 accorded approval for reduction in cost of ₹5,18,426/- (₹ Five lakh eighteen thousand four hundred twenty six only) due to drop of Borehole.

4. In this regard, the details of the project with revised cost are as under:-

S. No.	Project/Block Name	Duration (Months)	Revised Cost (including GST).
1	Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh	10 months (further extension up to 08.06.2026)	₹ 98,40,377/-

(₹ Ninety eight lakh forty thousand three hundred seventy seven only)

5. The uploading of Geological Report (GR) on NGDR portal is sole responsibility of the exploration agency. The final payment will be made only after receiving the confirmation of the same. The screenshot/acknowledgement (with admin approval) of successful uploading of GR is to be submitted to NMEDT with the final bill.

6. The other terms & conditions as stipulated in Office Memorandum no. 843, dated 10.02.2025 remains the same.

Yours faithfully,



(Geetika Sharma)

Director (Projects) & HoD, NMEDT

Copy for information and further necessary action:

1. M/s Engeotech Consultants.
2. The Office of District Collector, Katni District, Madhya Pradesh
3. The DDG, GSI, State Unit Madhya Pradesh.
4. The Director, DGM, Madhya Pradesh
5. The Chairman, TCCs, NMEDT.
6. Project Sanctioning Committee (PSC) Meeting file (F.No.117/1/2025-NMEDT)

Cost Estimate for Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Area in Katni District of Madhya Pradesh, Area 22.52 sq. km, No.of BH: 08, Borehole depth range- 30/50 m; Schedule timeline- 10 months Review: After 3 Months

S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Original Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	Qty.	Total Amount (Rs)	
A	Geological Mapping (1:12500) & Other Geological Work								
1	Charges for Geologist man days for LSM and & sampling	day	1.2.b	11,000	90	9,90,000	90	9,90,000	No Change
2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	No Change
3	Charges for Geologist per day (HQ) for data interpretation and Map preparation	day	1.2.a	9,000	60	5,40,000	60	5,40,000	No Change
	Sub Total- A							16,24,680	No Change
B	Survey work								
1	Charges of Surveyor for survey layout work & Block boundary demarcation	per day	1.6.1a	8,300	45	3,73,500	45	3,73,500	No Change
2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	No Change
3	DGPS Survey for boundary pillar, BH fixation & RL determination	Per Point	1.6.2	19,200	22	4,22,400	21	4,03,200	09 BH to 08 BH
	Sub-Total B					8,90,580		8,71,380	No Change
C	Mineral Investigation								

1	Excavation of Pit upto 2.0 m depth	per cu.m.	2.1.2	3,800	18	68,400	18	68,400	No Change
	Sub-Total C					68,400		68,400	No Change
D	DRILLING								
1	Drilling up to 300m (Medium Hard Rock)	m	2.2.1.3a	7,168	290	20,78,720	260	18,63,680	(8x30m + 1x50m) to (7x30m + 1x50m)
2	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	9	18,000	8	16,000	09 BH to 08 BH
3	Transportation of Drill Rig & Truck associated per drill (1 rigs)	Km	2.2.8	36	300	10,800	300	10,800	No Change
4	Monthly Accomodation Charges for drilling Camp	month	2.2.9	50,000	2	1,00,000	2	1,00,000	No Change
5	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	2,50,000	No Change
6	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	1	2,50,000	No Change
7	Road Making (Flat Terrain)	Km	2.2.10a	22,020	1	22,020	1	22,020	No Change
8	Drill Core Preservation	per m	5.3	1,590	150	2,38,500	135	2,14,650	15m reduced
9	Sample Processing	per day	1.5.2	5,100	33	1,68,300	33	1,68,300	As per NMEDT
10	Labours Charges; Base rate	day	5.7	526	132	69,432	132	69,432	As per NMEDT
11	Land/Crop Compensation	per BH	5.6	20,000	9	1,80,000	8	1,60,000	09 BH to 08 BH
	Sub Total D					33,85,772		31,24,882	

E	Borehole Geophysical Logging & Sampling								
1	Logging & Sampling	per day	1.2.b	11,000	-		-	-	
	Sub Total E							-	
F	LABORATORY STUDIES								
	Chemical Analysis								
1	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)	Nos	4.1.9	8,157	240	19,57,680	225	18,35,325	(200 BH+40 BRS) to (185 BH+40 BRS)
	External Check Samples (10 percent)	Nos	4.1.9	8,157	24	1,95,768	23	1,87,611	10% check
	<u>Physical & Petrological Studies</u>								
2	Preparation of thin section	Nos	4.3.1	2,353	5	11,765	5	11,765	No Change
3	Study of thin section	Nos	4.3.4	4,232	5	21,160	5	21,160	No Change
4	Digital Photographs	Nos	4.3.7	280	10	2,800	10	2,800	No Change
5	Bulk Density	Nos	4.8.1	3,540	5	17,700	5	17,700	No Change
	Sub Total F					22,06,873		20,76,361	
G	Total A to F					81,76,305		77,65,703	

H	Geological Report Preparation	5 Hard copies with a soft copy	5.2	Exploration cost exceeding 50 lakh but less than 150 lakh: A Minimum of ₹2.5 lakh or 5% of the work whichever is more		4,08,815		3,88,285	As per NMEDT
I	Peer review Charges		As per EC decision			30,000		30,000	
J	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is less		1,63,526		1,55,314	As per NMEDT
K	Total Estimated Cost without GST					87,78,646		83,39,302	
L	Provision for GST (18% of J)					15,80,156		15,01,074	GST will be reimburse as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					1,03,58,803		98,40,377	5,18,425.97
	Say Rs. In Lakhs					103.59		98.40	5.18
Note:									

14

4th Review in 29th TCC-II
(Draft GR & timeline
extension)

Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 29th meeting of Technical-cum-Cost Committee - II (TCC - II)
held on 20th and 21st May 2026

The 29th meeting of Technical-cum-Cost Committee-II (TCC-II) of National Mineral Exploration and Development Trust (NMEDT) was convened through video conferencing on 20th and 21st May 2026. The meeting was chaired by Dr. S Ravi, DDG, GSI, and Chairman, TCC-I, NMEDT.

Members of TCC-II, NMEDT and representatives from M/s Gemcokati Exploration Private Limited, M/s Vardan Environet LLP, M/s Geo Marine Solution Private Limited, Mineral Exploration and Consultancy Limited (MECL), M/s Natural Resource Division, Tata Steel Ltd, Madhya Pradesh State Mining Corporation Limited (MPSMCL), M/s Engeotech Consultant, DMR Meghalaya, DGM Nagaland, M/s Critical mineral trackers (CMT), M/s Enkay Enviro Services Private Limited, M/s PRB Infraprojects Private Limited, M/s APC Drilling & Construction Private Limited, M/s GeoExpOre Private Limited, M/s GEMS Project Private Limited, M/s GMMCO Technology Services Limited, etc. have attended the meeting through video conferencing mode. The list of participants is at **Annexure-1**.

Dr. S Ravi, DDG, GSI and Chairman, TCC-I, NMEDT warmly welcomed all TCC-II members and every participant representing from State DGMs/DMGs, Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs).

29.1 Technical Evaluation of New Project Proposals

Agenda 29.1.1 Reconnaissance survey for Bauxite & Bentonite in Khedawada area in parts of Sabarkantha District, Gujarat.

ID: ME/DD/G4/GJ/26-27/006

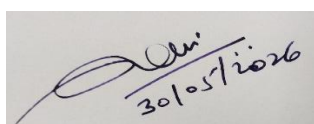
[Implementing Agency: M/s Gemcokati Exploration Private Limited]

- a) The proposed reconnaissance survey (G4) of 68 sq. km area falls in Survey of India Toposheet no. 46A/14, in parts of Sabarkantha District, Gujarat.
- b) Approved Coordinate of the Proposed area as given below: -

S. No.	Latitude	Longitude
A	23.700501°	72.858015°
B	23.609063°	72.930338°
C	23.595715°	72.929528°
D	23.594774°	72.870633°
E	23.640239°	72.820244°

- c) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	Currently no exploration / reconnaissance projects related to Bauxite, Bentonite & associated Minerals and any other mineral/commodity is being carried out by GSI in the proposed area.
2	CGM	i. The proposed Reconnaissance Survey (G4 Stage) for Bauxite and Bentonite in the Khedawada Block, Sabarkantha District, Gujarat (area: 90 sq. km) partially overlaps with the Idar Granite Block-Idar Town (G4 level, area: 842 sq. km), for which an NOC has been issued to MTCS. The proposed block also partially falls within forest land and overlaps with existing mineral leases of ordinary sand, silica sand, building stone, bentonite, and bauxite within the area.

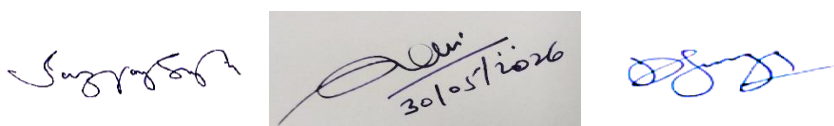


		ii. It is noted that 51 blocks have been allotted by NMEDT to NPEAs and NEAs for upgradation under the NMEDT Fund during the 3rd Joint Meeting of TCC-I and TCC-II held on 4th September 2025. In this context, Report No. RN-272, titled “A Report on the Pre-Detailed Survey for Concealed Bauxite and Bentonite in parts of Prantij and Himatnagar Taluks of Sabarkantha District, Gujarat,” has been allotted to Gemcokati Exploration Private Limited. The proposed block partially falls within the report no. RN 272_1 boundary.
3	MECL	The block proposed is not overlapping with explored block and ongoing blocks.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	Proposed block is overlapping with Existing mine Lease of Dedhrota Bauxite Mine and several existing Minor lease block. There are no completed or ongoing NMEDT-funded projects in the proposed block.

- d) As informed by the CGM, Gujarat, the proposed area was found to be overlapping with a Bauxite mining lease. Accordingly, the Agency modified the proposed area by excluding the overlapping Bauxite lease area, and the final proposed area has been reduced to 64 sq. km. Further, as suggested by the Committee, the block boundary has been reshaped to an area of approximately 68 sq. km.
- e) The agency informed the committee that, GSI has done “Investigation of the China Clay deposits in the area around Eklara and Arsodia dist. Mehsana, Gujarat” during FS 1966-67 (Kathiara R. S.) and during FS 1961-62, Sahasrabudhe Y. S. Kulkarni A. M. has investigated for “Bauxite deposits of the Sabarkantha, Kaira Broach and Surat Districts, Gujarat State”. During their regional survey of bauxite deposits in Sabarkantha, Kheda, Bharuch and Surat districts. A total of 5 test pits were sunk by the G.S.I. near Harsol and 0.27 million tonnes of Bauxite of all grade was assessed. Further, A. A. Waheed of The Directorate of Geology and Mining, Govt. of Gujarat, mapped Bauxite deposits of Harsol area in detail (1971-72). Systematic geological mapping by S. Chowdhury and I. Chowdhury (1990) in parts of Sabarkantha District has also been done. NGPM results (2020-21) show high Bouguer gravity anomalies and gravity gradient zones in the northern part of toposheet 46A/14. Accordingly, the area was recommended for detailed geological and geophysical investigations to delineate future target zones.
- f) Considering the above, the Committee recommended the proposal for approval of PSC. The committee also advised change in the title of project as “Reconnaissance survey for Bauxite & associated critical minerals in Khedawada area in parts of Sabarkantha District, Gujarat”. The Committee agreed to recommend a total of 240 m drilling in 8 boreholes (BHs) with an average depth of 30 m each and advised that the borehole depth should be extended up to 30 m only if justified by the presence of mineralisation, and unnecessary drilling should be avoided.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “Reconnaissance survey for Bauxite & associated critical minerals in Khedawada area in parts of Sabarkantha District, Gujarat” with an estimated cost of ₹98.25/- lakhs (including GST) within time schedule of 10 months for carrying out the proposed work and submission of geological report as per Annexure – 2A & 2B. The item will be reviewed after 3 and 6 months.



The image shows three handwritten signatures in blue ink. The middle signature is dated 30/05/2026. The signatures are written on a light-colored background.

Cost Estimate for Reconnaissance Survey (G-4) for Bauxite and associated critical minerals in Khedwada Block, Saberkantha District, Gujarat.
Total area 68 sq. km; Drilling: (8 BHs x 30 m = 240 m); Completion Time- 10 months; Review: After 3 and 6 Months;
Implementing Agency: M/s Gemcokati Exploration Pvt. Ltd.

Sl. No.	Item of Work *	Unit *	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC *(a)	Qty. (b)	Total Amount (Rs)(a*b)	
A	Geological Mapping Other Geological Work & Surveying						
	Geological mapping, (1:12,500 scale) & Trenching , drilling work	per Sq. Km	1.1	18300	68	1244400	
i	a. Charges for Geologist per day (Field) for geological mapping & trenching, drilling work	day	1.2.1a	14500	120	1740000	
ii	b. Labours Charges; Base rate	day	5.8	541	240	129840	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	c. Charges for Geologist per day (HQ)	day	1.2.1a	10500	40	420000	
	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7850	26	204100	
	b. Labours Charges; Base rate	day	5.8	541	104	56264	
	Sub Total- A					37,94,604	
B	Survey work						
a	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	8	192000	8 Boreholes
	Sub-Total B					1,92,000	
C	Trenching/Pitting						
	a) Excavation of Pit	per cu. m	2.1.2	4,725	160	756000	40 pits= 2m(L) X 1m (W) x 2m (D)
	Sub Total C					756000	
D	DRILLING (Inhouse)						
1	Drilling up to 300m (Soft Rock)	m	2.2.1.1c	5,500	240	1320000	(8 x 30 m = 240 m), Borehole depth to be 30 m only when justified by presence of

							mineralization. Unnecessary drilling to be avoided.
3	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	8	240000	As per actuals as certified by local authorities subject to a maximum of Rs. 30,000 per borehole
4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	8	16000	
5	Borehole plugging by cement	per borehole	2.2.8	10,000	8	80000	Boreholes
6	Misc. charges (transportation, accommodation etc)	lumpsum	2.2.9			330000	for drilling cost less than 50 lakhs 25% of drilling cost
7	Drill Core Preservation	per m	5.3	1,590	100	159000	
	Sub Total D					21,45,000	
E	LABORATORY STUDIES						
1	Chemical Analysis						
vii)	Major Oxide Analysis						
a	Major oxides (WD XRF)- (oxides+ traces -24 elements) (Primary samples)	per sample	4.1.17a	4200	150	630000	PIT-40 + 110-CS
b	Major oxides (WD XRF)- (oxides+ traces -24 elements) (Check Samples)	per sample	4.1.17a	4200	15	63000	
c	Bulk Density	per sample	4.8.3	2,500	5	12,500	
d	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)(Primary samples)	per sample	4.1.15	7,400	20	1,48,000	
e	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)(Primary samples) (Check Samples)	per sample	4.1.15	7,400	2	14,800	
f	Combined determination of Trihydrate Alumina (THA-140° C), Monohydrate	per sample	4.1.19a	7,500	8	60,000	

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	Alumina (MHA-240°C) & Reactive Silica						
2	Physical & Petrological Studies	b					
i	Preparation of thin section	No	4.3.1	500	10	5,000	
ii	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Nos	4.3.4	2,800	10	28,000	
vii	XRD Studies	per hour	4.5.2	4,000	10	40,000	
						10,01,300	
F	Total A to F					78,88,904	
G	Geological Report Preparation		5.2	5.2 (ii)		2,50,000	Reimbursement will be made after submission of the final Geological Report the soft copy to NMET.
H	Peer review Charges		As per EC decision			30,000	
I	Preparation of Exploration Proposal	As per EC decision	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		1,57,778	
J	Total Estimated Cost without GST					83,26,682	
K	Provision for GST (18% of J)					14,98,803	GST will be reimbursed as per actual and as per notified prescribed rate
L	Total Estimated Cost with GST					98,25,485	
				or Say Rs. In Lakhs		98.25	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

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30/05/2026

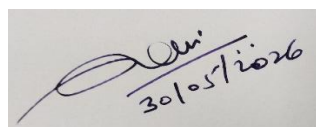
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Annexure 3B

**Time Schedule: Reconnaissance Survey (G-4) for Bauxite & associated Critical Minerals in Khedwada Block,
Saberkantha District, Gujarat.**

Area 68 sq. km, No. of BH-8, (8 x 30 m = 240 m); Schedule timeline- 10 months [Review: After 3rd and 6th Months]

SL NO.	Item of work	1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	10
1	Camp setting and Geological Mapping (1:12,500)												
2	Excavation of Pit & Sample collection												
3	Drilling, Collection of core samples & DGPS Survey for BH fixation												
4	Laboratory Studies												
5	PS, OM & XRD studies												
6	Interpretation of analytical data, Finalization of lithologies, plates												
7	Review and report preparation/ Peer review												
8	Final Submission												


Agenda 29.1.2 Preliminary exploration for Graphite & associated mineralisation in Maramjhiri-Gauthana Block, Betul District, Madhya Pradesh.

ID:ME/IND/G3/MP/P/26-27/002

[Implementing Agency: M/s Vardan Environet LLP]

- a) The proposed block of 1.15 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 55G/13, in parts of Betul District, Madhya Pradesh. Approximately 95% of the block is within Protected Forest. The proposal was accorded in-principle approval in the 27th meeting of TCC-II held on 13th and 23rd April 2026.
- b) Approved Coordinate of the Proposed area (**0.5 sq.km**) as given below: -

Corner Point	Latitude	Longitude
A	21°56'18.60"N	77°53'33.04"E
B	21°56'28.76"N	77°53'59.05"E
C	21°56'11.92"N	77°54'08.37"E
D	21°56'00.82"N	77°53'39.23"E

- c) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	GSI informed that multiple exploration activities (G-4 and G-2 stages) for graphite and associated minerals have been carried out in the Betul area, including surveys in Tikari–Gauthana–Chiklar and surrounding regions, as well as tungsten reconnaissance. The studies indicate graphite mineralisation extending over ~3.5 km with variable widths and 5–17.3% fixed carbon, hosted in metasedimentary rocks and structurally controlled zones. As the proposed block lies adjacent to the explored area, it is considered prospective for further exploration of graphite and associated minerals. Currently no exploration / reconnaissance projects related to Graphite & associated mineralisation and any other mineral/commodity is being carried out by GSI in the proposed area
2	DMG	DGM informed that the proposed area is fully covered under area previously proposed by M/s Kartikeya Exploration submitted earlier to NMEDT. The block lies adjacent to SW of an auctioned block.
3	MECL	The block proposed is not overlapping with explored block and ongoing blocks.
4	AMD	AMD informed that past G-4/G-3 stage uranium exploration has been carried out in and around the proposed block, which overlaps with previously explored AMD areas. Ongoing work includes radiometric surveys and geological mapping in the Gothana, Chiklar, and Betul areas. Grab samples (n=8) have shown up to 0.015% U ₃ O ₈ . Considering the uranium potential, analysis of uranium is recommended, and if any, during the exploration may be communicated to AMD for gamma ray logging.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

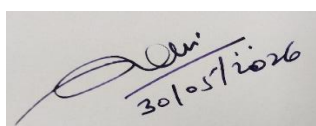
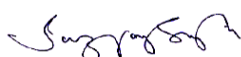
- d) The agency informed the committee that, during FS 2012-13, Lenka B and Ahmad S.A. (GSI), have carried out large scale mapping followed by detailed mapping in parts of Chiklar, Gauthana and Tikari areas. They delineated the graphite bands for a cumulative strike length of 3.5 km and the bands were divided into three segments viz, the southern (1450 m strike length), the central (500 m strike length) and the northern band (1300 m strike length). Further, Lenka B (FS 2013-14) has carried out exploration by drilling in the above said area by means

of 7 boreholes in the area covering parts of the southern and central graphite bands, proving the 1.25 km strike length and estimated graphite resource of 4.73 MT. The proposed Maramjhiri-Gauthana block covers the northern part of southern graphite band that had explored only up to G4 level. The samples collected from graphite band yielded FC values to a maximum of 15.40 % with more than 75% of the samples within this band are of more than 5% FC. The promising nature of the band is also indicated by the presence of old working indicating ancient mining activity. Southern part of the southern graphite band had been explored up to UNFC G-2 stage & successfully auctioned.

- e) The reconnaissance field work in the proposed block area was also carried out by Vardan Environet LLP. The litho units observed in the area were Gneiss, Quartz Mica Schist, Graphite Schist, Quartzite, Pegmatite. Bed rock samples from graphite schist were also collected. One sample collected from the extended part of the earlier exposed band analysed 7.25% FC.
- f) The agency informed the committee that the detail mapping and geophysical surveys have already been done during previous explorations in the proposed area. The agency proposed drilling in 9 boreholes (BHs), including 4 BHs each in 1st and 2nd level and 1 BH in 3rd level, in the southern graphite band. The committee agreed to recommend the proposed drilling and advised that the borehole depth should be justified by the presence of mineralisation, and unnecessary drilling should be avoided.
- g) The Committee opined that the work shall be executed in a phased manner. Initially, geological mapping, integration of geophysical data, pitting/trenching, sampling, and subsequent chemical analysis will be carried out. Thereafter, the commencement of drilling will be decided based on the review of the results.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “Preliminary exploration for Graphite & associated mineralisation in Maramjhiri-Gauthana Block, Betul District, Madhya Pradesh” with an estimated cost of ₹364.36/- lakhs (including GST) within time schedule of 12 months for carrying out the proposed work and submission of geological report as per Annexure – 3A & 3B. The item will be reviewed after 5 and 10 months.



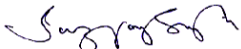
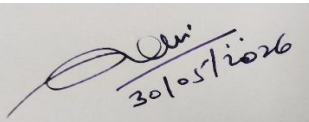
Estimated cost: - Preliminary exploration (G-3) for Graphite and associated mineralisation in Maramjhiri-Gauthana Block, Betul District, Madhya Pradesh,

Total Area: 0.5 sq. km; Drilling: 2050m (9 BHs); Timeline -12 months, Review after 5 and 10 months.

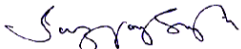
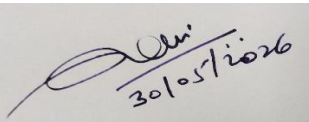
Implementing Agency: M/s Vardan Environet LLP

Sl. No.	Nature of Components	Unit	SoC Item No	Rate as per SoC	Quantum of Component	Cost of Component	Remarks
1	Detailed Geological Mapping Other Geological						DM already done
1a	Charges for 2 Geologist per day (Field) for drilling activity (without labour)	Per Day	1.2.1a	14500	120	17,40,000	
1b	Labours charges; Base rate (for 2 labours per geologists)	Per Day	5.8	541	240	1,29,840	
1c	Charges for Geologist per day (HQ)	Per Day	1.2.1a	10500	45	4,72,500	
Sub Total 1						23,42,340	
2	Survey work- Outsource						
2a	DGPS Survey for BH fixation and Cardinal Points of block- outsource	Per Point of observation of observation	1.3.2	24000	13	3,12,000	9 BHs & 4 Corner Points
Sub Total 2						3,12,000	
3	Diamond Core Drilling & allied work- Outsource						
3a	Systematic Drilling of First level, Second Level & Third level Borehole as per MEMC (Hard rock)	Per m	2.2.1.1 d	10000	2050	2,05,00,000	Four 1st level 4BHs (130m, 250m, 220m, 100m), Four 2nd level (195m, 300m, 280m, 200m) & One 3rd Level BHs of 375m
3b	Borehole deviation by multi shot camera	Per Shot	2.2.5	330	342	1,12,750	
3c	Drill core Preservation	Per m	5.3	1590	500	7,95,000	
Sub Total 3						2,14,07,750	
4	Charges for Sampling Party						
4a	Charges for one Sampler per day	one sampler per day	1.2.1b	7850	69	5,41,650	No of Core Sample= 700

4b	Charges labour engaged in sampling work (4 labour per sampler)	Per Day	5.8	541	276	1,49,316	
Sub Total 4						6,90,966	
5	Geochemical Study						
5a	Proximate Analysis of graphite bearing samples (primary sample)	Per Sample	4.1.18	3614	505	18,25,070	5 BRS + 500 CORE SAMPLE
5b	Proximate Analysis of graphite bearing samples (check sample)	Per Sample	4.1.18	3614	51	1,84,314	
5c	Major oxides by XRF (whole rock analysis) (Oxides + traces-24 elements) (primary samples)	Per Sample	4.1.17a	4200	20	84,000	20 CORE SAMPLE
5d	Major oxides by XRF (whole rock analysis) (Oxides + traces) (Check samples)	Per Sample	4.1.17a	4200	2	8,400	
5e	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)	Per Sample	4.1.15	7400	20	1,48,000	20 CORE SAMPLE
5f	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)	Per Sample	4.1.15	7400	2	14,800	
5g	XRD analysis for identification of minerals	Per Sample	4.5.2	4000	10	40,000	Including BRS & Core Sample
5h	Bulk Density	Per Sample	4.8.3	2500	9	22,500	≈ 1 per borehole
Sub Total 5						23,27,084	
6	Physical & Petrological/mineragraphic Studies						
6a	Preparation of polished thin section	Per Sample	4.3.2	800	5	4,000	
6b	Complete petrographic /ore microscopic study/mineragraphic	Per Sample	4.3.4	2800	5	14,000	


	report of rock sample (along with 5 nos. digital photo micrographs)						
Sub Total 6						18,000	
7	Technical Supervision Cost	Lumpsum	6			20,00,000	
Subtotal 7						20,00,000	
Total (1 to 7)						2,90,98,140	5,81,962.80
8	Tendering Process Cost	One time in case of outsourced components of project work	5.9			5,00,000	2% of Approved Project cost or 5 lakh whichever is lower
9	Geological Report Preparation	As per EC decision	5.2(iii)	750000	1	7,50,000	Total cost of the Project exceeding 150 lakh
10	Peer review charges	As per EC decision		30000	1	30,000	
11	Preparation of Exploration Proposal	lumpsum	5.1	500000	1	5,00,000	
12	Total Cost Without GST					3,08,78,140	
13	Provision for GST (18%)					55,58,065.20	
14	Total Cost With GST					3,64,36,205.20	
In Lakhs						364.36	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						


**TIME SCHEDULE FOR PRELIMINARY EXPLORATION (G3) FOR GRAPHITE & ASSOCIATED MINERALISATION IN MARAMJHIRI GAUTHANA
BLOCK, BETUL DISTRICT MADHYA PRADESH, (0.5 Sq. Km.; Scheduled Time line 12 months)**

S.N.	Activities	Months														
		1	2	3	4	5	REVIEW	6	7	8	9	10	REVIEW	11	12	
1	LITERATURE SURVEY & Camp setting															
2	DETAILED MAPPING															
3	PITTING/TRENCHING															
4	GROUND GEOPHYSICAL SURVEY															
5	CORE DRILLING & ASSOCIATED WORKS															
6	SAMPLING															
7	GEOCHEMICAL STUDIES															
9	PETROGRAPHIC STUDIES															
10	PEER REVIEW															
10.8	REPORT WRITING & SUBMISSION OF FINAL REPORT															

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Agenda 29.1.3 Preliminary exploration (G-3 stage) For Bauxite and Associated Minerals in Kalar Vandh Area, Kachchh district, Gujarat.

ID:ME/IND/G3/GJ/P/26-27/003

[Implementing Agency: M/s Vardan Environet LLP]

- a) The proposed block of 6.68 sq. km for preliminary exploration (G3), falls in Survey of India Toposheet no. 41E/4, in parts of Kachchh district, Gujarat. The proposal was accorded in-principle approval in the 27th meeting of TCC-II held on 13th and 23rd April 2026.
- b) Approved Coordinate of the Proposed area (**1.66 sq. km.**) as given below: -

Corner Point	Latitude	Longitude
A	23°08'13.857" N	69°09'11.409" E
B	23°08'12.625" N	69°11'01.875" E
C	23°07'54.807" N	69°10'56.366" E
D	23°07'45.291" N	69°09'50.857" E
E	23°07'55.756" N	69°09'17.074" E
F	23°07'55.508" N	69°09'51.780" E
G	23°08'04.398" N	69°09'51.784" E

- c) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	Currently no exploration / reconnaissance projects related to Bauxite and Associated Minerals and any other mineral/commodity is being carried out by GSI in the proposed area
2	DMG	The proposed Kalar Vandh Bauxite Block (G-3), located in Kachchh District, Gujarat, covers an area of 6.68 sq. km (668 hectares). It is noted that one existing bauxite mining lease falls within the proposed block area, with an extent of 10.0934 hectares. Further, NOC for the said block has been issued to M/s. Vardan Environet LLP vide mail dated 23.01.2026.
3	MECL	The block proposed is not overlapping with explored block and ongoing blocks.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- d) The agency informed the committee that, CGM, Gujarat, via email dated 20/09/2025, has given a NOC approval to take up exploration/investigation in some blocks and the proposed Kalar Vandh Bauxite Block (G-3 stage) is one of them. In this area, bauxite deposits are associated with laterites of the Matanomadh formation. Nearby areas to the north have been explored by CGM through pitting, trenching, and drilling, reporting bauxite reserves of 1.07 million tonnes with average Al₂O₃ of 35.00% and SiO₂ of 4.50%. A total of 39 boreholes drilled in and around the area encountered up to 6 m thick bauxite zones. Presence of nearby bauxite leases also supports the proposal for G3 level

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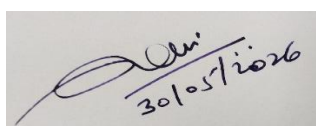
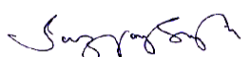
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exploration of the block. Geological mapping of Mesozoic and Tertiary rocks of Kachchh, by GSI, during FS 1981-82 & 1984-85 of the area, also reveals presence of Bauxite. It was also briefed by the agency that, as informed by the CGM, Gujarat, the Bauxite lease area located in the western part has been excluded from the proposed block.

- e) The committee advised revision of the proposed block boundary by excluding the northern part comprising the Gaj Formation and the southern part comprising Basalt. Accordingly, the agency modified the block boundary, and the final proposed area was reduced to **1.66 sq. km.**
- f) The committee recommended that, initially, total 315m of vertical drilling in 9 Boreholes (BHs) at a spacing of 200 m × 200 m shall be carried out in the exposed part of the block, followed by sampling. The committee advised that the borehole depth should be extended up to 35 m, only if justified by the presence of mineralisation, and unnecessary drilling should be avoided. Further drilling in 2nd level, will be decided on the basis of review of the initial drilling results.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “Preliminary exploration (G-3 stage) For Bauxite and Associated Minerals in Kalar Vandh Area, Kachchh district, Gujarat.” with an estimated cost of ₹83.44/- lakhs (including GST) within time schedule of 12 months for carrying out the proposed work and submission of geological report as per Annexure – 4A & 4B. The item will be reviewed after 3 and 6 months.



Cost Estimate for Preliminary exploration (G-3) for Bauxite and associated minerals in Kalar Vandh Block, Kachchh District, Gujarat
Total Area: 1.66 sq. km, Drilling: 315 m (9BHs), Schedule timeline- 10 months Review: After 3 and 6 Months
Implementing Agency: M/s Vardan Environet LLP

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Geological Mapping Other Geological Work & Surveying						
1	Geological mapping, ((1:4,000 Scale)) & Trenching, drilling work	Per Sq. Km.	1.1	18,300	1.66	30,378	
2	Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a	14,500	130	18,85,000	
3	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	260	1,40,660	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
4	Charges for Geologist per day (HQ)	day	1.2.1a	10,500	45	4,72,500	
5	Sampling party days-1 Samplers Labour charge not included	one sampler per day	1.2.1b	7,850	26	2,04,100	
6	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	104	56,264	
	Sub Total- A					27,88,902	
B	Survey work (1:4,000 Scale)- Outsource						

1	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	16	3,84,000	9BH+7 Cardinal points
2	Survey Party Days for topographical contour survey	day	1.3.1	10,500	30	3,15,000	Area :1.66 Sq.Km, 1:4000 Scale
3	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	120	64,920	
	Sub-Total B					7,63,920	
C	DRILLING - Outsource						
1	Drilling - HQ up to 400m (Soft Rock)	Per m	2.2.1.1c	5,500	315	17,32,500	(9 BHx35m each) Borehole depth to be 35 m only when justified by presence of mineralization. Unnecessary drilling to be avoided.
2	Drill core Preservation	Per m	5.3	1,590	100	1,59,000	
	Sub Total C					18,91,500	
D	Laboratory Studies						
D.1	Chemical Analysis						
i)	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements) primary samples	Per Sample	4.1.17a	4,200	154	6,46,800	BRS-27+Drill core-100+Geochemical line (9 line) (9*3=27)
2	Major oxides (WD XRF)- (oxides+ traces -24 elements) External (10%) Check samples	Per Sample	4.1.17a	4,200	15	63,000	
3	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)	Per Sample	4.1.15	7,400	10	74,000	BRS-4+Drill core-6

4	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique) Check sample	Per Sample	4.1.15	7,400	1	7,400	
5	Determination of Trihydrate Alumina (THA-140 C)	Per Sample	4.1.19b	5,000	5	25,000	Drill core-5
6	Determination of Reactive Silica	Per Sample	4.1.19d	5,000	5	25,000	Drill core-5
D.2	Physical, Petrological, Mineralogical Studies						
1	Preparation of polished thin section	Per Sample	4.3.2	800	2	1,600	
2	Preparation of unmounted polished section	Per Sample	4.3.3	700	3	2,100	
3	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Per Sample	4.3.4	2,800	5	14,000	
4	Bulk Density Dry/Saturated	Per Sample	4.8.3	2,500	5	12,500	
5	XRD analysis for identification of minerals	Per Sample	4.5.2a	4,900	10	49,000	
	Sub Total D					9,20,400	
	Total A to D					63,64,722	
E	Technical Supervision Cost	Lumpsum	6			2,49,642	
F	Tendering Process Cost	One time in case of outsourced components of project work	5.9		1	49,928.40	2% of the Cost or Rs. 5.0 Lakhs whichever is less

G	Geological Report Preparation	5 Hard copies with a soft copy	5.2(ii)	2,50,000	1	2,50,000	
H	Peer review Charges	As per EC decision		30,000	1	30,000	
I	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less	1	1,27,294.44	
J	Total Estimated Cost without GST					70,71,587	
K	Provision for GST (18% of J)					12,72,885.63	GST will be reimbursed as per actual and as per notified prescribed rate
L	Total Estimated Cost with GST					83,44,472	
				or Say Rs. In Lakhs		83.44	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

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TIME SCHEDULE/ACTION PLAN FOR PRELIMINARY EXPLORATION (G-3 STAGE) FOR BAUXITE AND ASSOCIATED MINERAL IN KALAR VANDH AREA, KACHCHH DISTRICT, GUJARAT, (1.66 Sq. Km.; Scheduled Timeline 10 months)

S.N.	Activities	Months											
		1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	10
1	LITERATURE SURVEY& Camp setting												
2	DETAILED MAPPING												
3	PITTING/TRENCHING												
4	CORE DRILLING & ASSOCIATED WORKS												
5	SAMPLING												
6	GEOCHEMICAL STUDIES												
7	PETROGRAPHIC STUDIES												
8	PEER REVIEW												
9	REPORT WRITING & SUBMISSION OF FINAL REPORT												

Agenda 29.1.4 Reconnaissance survey for Bauxite, Laterite, Limestone, Vanadium, Gallium, Scandium and associated Critical minerals in Kapadvanj block, Kheda District, Gujarat.

ID:ME/DD/G4/GJ/26-27/009

[Implementing Agency: M/s Geo Marine Solution Private Limited]

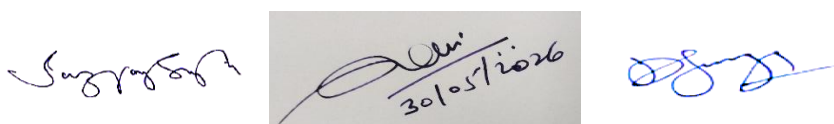
- a) The proposed reconnaissance survey (G4) of **64.9 sq. km** area falls in Survey of India Toposheet nos. 46F/1 & 46E/4, in parts of Kheda District, Gujarat.
- b) Approved Coordinate of the Proposed area (**47.5 sq. km.**) as given below: -

Corner Point	Latitude	Longitude
A	22°54'24.120"N	73°05'03.745"E
B	22°54'23.077"N	73°07'59.855"E
C	22°59'29.403"N	73°08'00.267"E
D	22°59'30.770"N	73°05'03.827"E

- c) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	Currently no exploration / reconnaissance projects related to Bauxite, Laterite, Vanadium, Gallium, Scandium and associated Critical minerals and any other mineral/commodity is being carried out by GSI in the proposed area
2	DMG	Kapadvanj block partially overlap with 1) Mirapur Bauxite Block (G4 level) and 2) Lasundra Bauxite Block (G3)- both blocks proposed during the workshop- NoC issued to Gems Projects Pvt Ltd dated 29.01.2026.
3	MECL	The block proposed is not overlapping with explored block and ongoing blocks.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	North and South parts of the proposed block overlapped with already discussed projects of Lasundra and Mirapur blocks of GEMS projects Pvt. Ltd in 96th TCC-I.

- d) As informed by the CGM, Gujarat, the proposed area overlapped with blocks allotted to another NPEA. Accordingly, the Agency has excluded the overlapping portion, and the remaining area is about **47.5 sq. km.**
- e) The agency informed that, a detailed geological survey for bauxite around Ladvel, Dujavar, and nearby villages of Kapadvanj Taluka, Kheda District, conducted by the CGM, Gujarat during FS 1998-99, delineated 8 bauxite pockets associated with laterite through 1:8000 scale mapping. Chemical analysis of 10 pit samples indicated metallurgical grade bauxite with average Al_2O_3 of 52.03% and estimated reserves of 1.489 million tonnes.
- f) Further, 9 samples collected by Geo Marine Solutions Private Limited, identified occurrences of bauxite (Al_2O_3 - 42.85% & Fe_2O_3 - 15.31% & SiO_2 - 7.11%), aluminous laterite (40.45% Fe_2O_3 & 7.28% SiO_2), laterite (Al_2O_3 12.08% to



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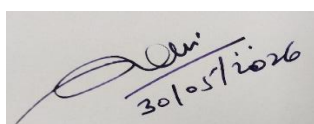
16.30%, Fe₂O₃ 13.43% to 31.59% & SiO₂ from 5.17 to 11.68%), and limestone (CaO, 36.2% to 42.5%), along with encouraging trace element values of Sc (24.23 ppm to 50.25 ppm), Ga (30.17 ppm to 84.27 ppm) and V₂O₅ (0.06% to 0.18 %).

Available NGCM geochemical data from stream sediment samples also indicated anomalous V₂O₅ values up to 66.23 ppm with corresponding Al₂O₃ contents up to 8.25%, TREE up to 47.15%, Ga (2.5 ppm), and Sc (1.75 ppm to 9 ppm) values, suggesting potential for associated critical mineral enrichment in the area.

- g) The committee advised modifications in the title of the proposal and agreed to recommend total 250m of drilling in 5 Boreholes (BHs) with average depth of 50m for each and advised that the borehole depth should be extended up to 50 m, only if justified by the presence of mineralisation, and unnecessary drilling should be avoided.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “Reconnaissance survey for Bauxite and associated Critical minerals in Kapadvanj block, Kheda District, Gujarat.” with an estimated cost of ₹103.10/- lakhs (including GST) within time schedule of 10 months for carrying out the proposed work and submission of geological report as per Annexure – 5A & 5B. The item will be reviewed after 3 and 6 months.



Cost Estimate for Reconnaissance Survey (G-4) for Bauxite and Associated Critical Minerals in Kapadvanj Area, Kheda District, Gujarat.
Total Area: 47.5 sq. km, Drilling: 250 m (BH: 5 nos.) Schedule timeline- 10 months; Review: After 3 and 6 Months
Implementing Agency: M/s Geomarine Solutions Pvt. Ltd.

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC *(a)	Qty.(b)	Total Amount (Rs)(a*b)	
A	Geological Mapping Other Geological Work & Surveying						
i	Geological mapping, (1:12,500 scale) & Trenching, drilling work - 47.5 sq.km	Per sq.km	1.1	18,300	47.5	8,69,250	
ii	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a	14,500	120	17,40,000	
iii	b. Labours Charges; Base rate	day	5.8	541	240	1,29,840	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iv	c. Charges for Geologist per day (HQ)	day	1.2.1a	10,500	45	4,72,500	
v	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	17	1,33,450	
vi	e. Labours (4 Nos)	day	5.8	541	68	36,788	
	Sub Total- A					33,81,828	
B	Survey work						
i	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	5	120000	5 Borehole points
	Sub-Total B					1,20,000	
C	Trenching/Pitting						
i	a) Excavation of Pits upto 2m depth	per cu. m	2.1.2	4,725	24	1,13,400	at 12 locations (1mx1mX2m)

D	DRILLING (after review) (In-house)						
i	Drilling up to 300m	m	2.2.1.1d	10,000	250	25,00,000	5 boreholes, Borehole depth to be 50 m only when justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	5	150000	As per actuals as certified by local authorities subject to a maximum of Rs. 30,000 per borehole
iii	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road	Lumpsum	2.2.9		1	6,25,000	
iv	Drill Core Preservation	per m	5.3	1,590	80	1,27,200	
	Sub Total D					34,02,200	
E	LABORATORY STUDIES						
1	Chemical Analysis						
i	Major oxides (WD XRF)- (oxides+ traces -24 elements) (Primary samples)	per sample	4.1.17a	4,200	100	4,20,000	24 Pit+ 76 CS
ii	Major oxides (WD XRF)- (oxides+ traces -24 elements) (Check Samples)	per sample	4.1.17a	4,200	10	42,000	
iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique) Primary samples	per sample	4.1.15	7,400	20	1,48,000	
iv	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element 10% Check Samples	per sample	4.1.15	7,400	2	14,800	
2	<u>Physical & Petrological Studies</u>						
i	Preparation of thin section	Nos	4.3.1	500	5	2,500	
ii	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Nos	4.3.4	2,800	5	14,000	

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iii	XRD analysis for identification of minerals	Nos	4.5.2	4,000	5	20,000	
	Sub Total G					6,61,300	
	Total A to E					76,78,728	
F	Geological Report Preparation		5.2	5.2 (ii)		2,50,000	Reimbursement will be made after submission of the final Geological Report in soft copy to NMET.
G	Peer review Charges	As per EC decision				30,000	
H	Preparation of Exploration Proposal	(5 Hard copies with a soft copy)	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		1,53,575	EA will be reimbursed after submission of the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
I	Total Estimated Cost without GST					87,37,303	
J	Provision for GST (18% of I)					15,72,714	GST will be reimbursed as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					1,03,10,017	
	or Say Rs. In Lakhs					103.10	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

Reconnaissance Survey (G-4) for Bauxite and associated critical minerals in Kapadvanj block, Kheda District, Gujarat.
Area: 47.5 sq. km.

S. No.		Months/Days	Month											
			1	2	3	Review	4	5	6	Review	7	8	9	10
1	Camp Setting	Months												
2	Geological Mapping & Sampling	days												
3	Drone Topographic Survey days	days												
4	Pitting/Trenching	cu. m												
5	Surface Drilling (1 rig)	m												
6	Geochemical analysis	days												
7	Physical & Petrological Studies	days												
8	Camp Winding	months												
9	Laboratory Studies	Nos.												
10	Report Writing with Peer Review	months												

Agenda 29.1.5 Reconnaissance for Base metals and associated minerals in the area between Patan and Kachariya villages, Ajmer and Jaipur districts, Rajasthan by Airborne (drone) Magnetic and Electro Magnetic methods.

ID: ME/DD/G4/RJ/26-27/002

[Implementing Agency: M/s Geo Marine Solution Private Limited]

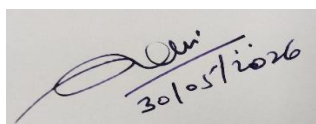
- a) The proposed reconnaissance survey (G4) of 99 sq. km area falls in Survey of India Toposheet nos. 45J/14 & 45N/2, in parts of Ajmer and Jaipur districts, Rajasthan.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	At present, no project is being carried out in the proposed area; however, a minor overlap with the Harmara–Tiloniya G4 block (FS 2021–22) has been observed.
2	DMG	At present the 304.9730 hectares area of this proposal area conflicts with held mining leases/ letter of intents for minor mineral. 322.3931 hectares area of this proposal area conflicts with forest. This proposal area falls within periphery of notified boundaries of Ajmer Development Authority (ADA). This proposal area conflicts with earlier proposed Mandawariya-Silora NPEA block. This proposal area is conflicting with Aravali status as per FSI report, which is sub-judice at Hon'ble Supreme Court. As per aforesaid information, consent for exploration for this proposal is given excluding Minor Mineral held mining lease/letter of intent areas and NPEA may be advised to get necessary permission/clearances from Forest department, Government of Rajasthan and Ajmer Development Authority (ADA). In addition to this, exploration execution shall remain affected with decision of Hon'ble Supreme Court in this regard.
3	MECL	The block proposed is not overlapping with explored block and ongoing blocks.
4	NMEDT	Proposed block is overlapped with the several existing Minor Lease blocks. There is no overlapping with the NMEDT Funded projects as per NGDR Portal

- c) This proposal area is conflicting with Aravali status as per FSI report, which is sub-judice at Hon'ble Supreme Court of India.

Recommendations of TCC-II

The TCC-II Committee did not recommend the proposal, as the proposed area is falling under the Aravali status as per the FSI report, which is presently sub judice before the Hon'ble Supreme Court of India.


29.2 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 29.2.1 Preliminary exploration for REE and associated Minerals in Bhimgoda South Block, Balotra District, Rajasthan.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The project was recommended in 11th TCC-II meeting held on 23rd, 24th, 25th and 30th July 2025, and approved in 1st PSC meeting held on 9th October 2025. The project was approved with a scheduled timeline of 18 months at a sanctioned cost of ₹897.45/- lakhs (including GST). The Sanction Order was issued on 10th November, 2025. Scheduled project completion timeline was **9th May 2027**.
- b) MECL informed that they have completed geological mapping on 1:2000 scale of 1.5 sq. km. out of approved 6.25 sq. km. area. Total 863m of drilling in 5 boreholes (BHs) have also been done against approved quantum of 4610m. So far, analysis of 2 BHs have been received. In BH no. MBGS-02, relatively higher value of $\Sigma\text{REE}+\text{Y}$ has been observed in the brecciated part with average of 1585.62 ppm over 24 m thickness. In BH no. MBGS-01, value of $\Sigma\text{REE}+\text{Y}$ ranges from 1054.13 ppm to 3198.65 ppm.
- c) The unclassified flows intersected in the boreholes require classification through petrographic studies and major oxide analysis. In this regard, the approved provision of 20 major oxide analyses and 25 petrographic studies may not be adequate, considering that the drilling has been carried out in very fine-grained volcanic flows. Further, the initially approved 1000 samples for analysis through ICP-MS may not be sufficient for 36 boreholes. It has been observed that approximately 70 samples are required per borehole, and accordingly, around 2500 samples may be generated from the block.
- d) Further, MECL sought approval of the Committee for payment of NPV for boreholes and associated CA charges against the demand notice issued for forest clearance and in the meanwhile drilling in rest of the 5 non-forest boreholes.
- e) The Committee opined that the matter of NPV for boreholes and associated (CA) charges should be deliberated in the joint TCC meeting, as similar issues may also arise in TCC-I. The Committee further observed that the views of NMEDT from the financial perspective are also required. Accordingly, the issue of NPV payment and other related payments for forest clearance shall be discussed in the upcoming joint TCC meeting of NMEDT for arriving at a conclusive decision.
- f) The Committee observed that review of the data from all 5 drilled boreholes is necessary to arrive at a conclusive observation. Accordingly, the Agency was advised to submit the project progress for review along with the data of all 5 drilled boreholes, once available. Further drilling in remaining boreholes in non-forest areas and additional proposed samples, will be decided after review in upcoming TCC Meeting. Study of mineral phases was also advised by the Committee.

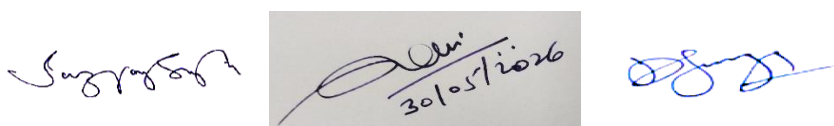
Recommendations of TCC-II

- *The Committee advised the Agency to submit the project progress for review along with the data of all 5 drilled boreholes, once available. Study of mineral phases was also advised by the Committee.*
- *Further drilling in the remaining boreholes located in non-forest areas, as well as additional proposed samples, shall be decided after review.*

Agenda 29.2.2 Reconnaissance survey for REE and Associated Minerals in Pipargaon Area, West Karbi Anglong District, Assam.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The project was recommended in 8th TCC-II meeting held on 28th, 29th April & 2nd May, 2025, and approved in 42nd EC meeting held on 2nd June, 2025. The project was approved with a scheduled timeline of 11 months at a sanctioned cost of ₹517.96/- lakhs (including GST). The



Sanction Order was issued on 20th June 2025. Scheduled project completion timeline was **19th May 2026**.

- b) MECL informed that geological mapping over an area of 65 sq. km on a 1:12,500 scale has been completed, along with collection of 50 bed rock samples (BRS), excavation of 10 cu. m in five pits, and collection of 15 soil samples from different horizons. Drilling, laboratory studies, and petrological studies are yet to be carried out. Further, MECL requested for timeline extension of 6 months up to 18th November, 2026, for completion of the project and submission of final geological report.
- c) The agency informed the committee that the exploration activity in the Pipargaon Block for REE & Associated Minerals was approved by NMEDT with a completion period up to 19 May 2026. However, due to delay in obtaining NoC from the Karbi Anglong Autonomous Council for carrying out exploration work, monsoon conditions, rugged terrain, dense forest cover, and local issues, the field work could commence only on 26 November 2025. Geological mapping, sampling, and pit excavation were completed by March 2026, and collected samples have been submitted for chemical analysis.
- d) The Committee agreed to recommend extension of the project timeline by **3 months, up to 18th August 2026**, for completion of the project and submission of the Final Geological Report. Commencement of drilling shall be decided after review of the analytical results of the BRS and pit samples.

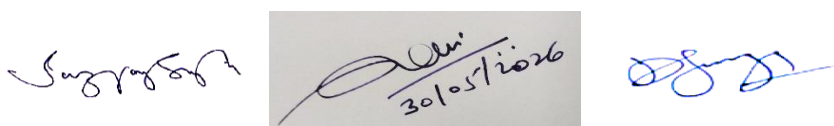
Recommendations of TCC-II

- *The Committee recommended the proposal for approval of PSC for “timeline extension of 3 months, up to 18th August, 2026, for completion of the project and submission of the Final Geological Report”.*
- *Commencement of drilling shall be decided after review of the analytical results of the BRS and pit samples.*
- *The extension is sought due to delay in obtaining NoC from the Karbi Anglong Autonomous Council for carrying out exploration work, monsoon conditions, rugged terrain, dense forest cover, and local issues, owing to which the field work could commence only on 26 November 2025.*

Agenda 29.2.3 Reconnaissance survey for REE and associated minerals in Nakchi Area, Angul District, Odisha.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The project was recommended in 80th TCC-I meeting held on 28th, 29th August & 1st September, 2025, and approved in 1st PSC meeting held on 9th October 2025. The project was approved with a scheduled timeline of 10 months at a sanctioned cost of ₹143.85/- lakhs (including GST). The Sanction Order was issued on 10th November, 2025. Scheduled project completion timeline is 09th September, 2026.
- b) MECL informed that, geological mapping over an area of 166.26 sq. km on a 1:12,500 scale has been completed, along with collection of 50 Stream Sediment Samples, 19 bed rock samples (BRS), excavation of 10 pits, and collection of 30 pit samples and 4 petrography samples. Values of TREE from collected stream sediment samples varies from 60.58 ppm to 4880.41 ppm with an average of 445.87 ppm.
- c) Further, MECL requested approval for an additional 50 stream sediment samples to ensure proper coverage and delineation of the REE source zone. MECL also informed that additional bed rock samples (BRS) are required for systematic sampling of the younger pegmatites, syenite, and mafic veins. Accordingly, they requested that the samples originally approved for auger drilling may be permitted to be utilized for stream sediment and BRS sampling.
- d) The Committee agreed for additional 20 stream sediment samples & 20 BRS by utilization of the samples originally approved for auger drilling.



The image shows three handwritten signatures in blue ink. The middle signature is dated 30/05/2026. The signatures are written on a light-colored background.

- e) The Committee advised the Agency to prepare and compile detailed overlay maps, contour maps, spatial distribution maps etc., The Committee further directed that the prepared maps, along with their interpretations and findings, be presented in the forthcoming TCC meeting for detailed review.

Recommendations of TCC-II

- *The Committee agree for additional 20 stream sediment samples & 20 BRS by utilization of the samples originally approved for auger drilling". There is no change in the project cost arising due to these additional samples.*
- *The Committee advised the Agency to prepare overlay maps, contour maps, spatial distribution maps etc., and present the same in the next TCC meeting.*

Agenda 29.2.4 Preliminary Exploration (G-3) for Limestone in West of Yepalamadhavaram Block, Suryapet District, Telangana.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The project was recommended in 80th TCC-I meeting held on 28th, 29th August & 1st September, 2025, and approved in 1st PSC meeting held on 9th October 2025. The project was approved with a scheduled timeline of 08 months at a sanctioned cost of ₹77.90/- lakhs (including GST). The Sanction Order was issued on 10th November, 2025. Scheduled project completion timeline is **9th July 2026**.
- b) MECL informed that, they have carried out geological mapping and topographical survey over an area of 4.16 sq. km on a 1:4000 scale, along with 250 m of drilling through 5 vertical boreholes (BHs). A total of 220 core samples were collected, and all samples have been analysed for major oxides. The geological report is currently under preparation. The estimated resources, calculated by the polygonal method with a bulk density of 2.71 g/cc, comprise 492.00 million tonnes of Cement Grade Limestone (51.30% CaO, 0.71% MgO, and 7.87% SiO₂) and 17.93 million tonnes of Blendable Grade Limestone (41.53% CaO, 0.58% MgO, and 20.49% SiO₂). Further, the Agency requested for Peer Review of the final geological report.
- c) Considering the above, the Committee agreed for peer review of the final Geological Report (GR) and advised the Agency to ensure submission of the GR within the stipulated timeline.

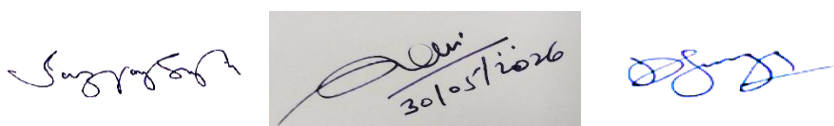
Recommendations of TCC-II

The Committee agreed for peer review of the final geological report (GR) and advised the Agency to ensure submission of the GR within the stipulated timeline.

Agenda 29.2.5 Preliminary exploration for Manganese and Associated Minerals in Kankura Block, West Singhbhum District, Jharkhand.

[Implementing Agency: M/s Natural Resource Division, Tata Steel Ltd]

- a) The project was recommended in 5th TCC-II meeting held on 27th, 28th and 29th January, 2025, and approved in 40th EC meeting held on 21st February, 2025. The project was approved with a scheduled timeline of **15 months** at a sanctioned cost of ₹395.78/- lakhs (including GST). The Sanction Order was issued on 10th March, 2025. Scheduled project completion timeline is **9th June, 2026**.
- b) The project was reviewed during 7th meeting of TCC-II held on 24th and 25th March, 2025, where in the committee recommended a revised estimated cost of ₹395.89/- lakhs (including GST) due to modification in SoC ref. no. 4.1.15a (XRF method) to 4.1.9 (complete analysis of dolomite/ limestone/ gypsum/ clay/ manganese ore/ bauxite/ iron ore samples), for Chemical analysis of BRS, channel/ groove samples as well as core samples. Further, the committee recommended the proposal for Topographical survey by Drone and DGPS @ ₹2,25,000/- per sq. km. Subsequently, the aforesaid recommendations could not be approved by the EC due to the non-availability of



the Schedule of Charges (SoC) rate for the proposed Drone Survey component. In the absence of an approved and standardized SoC rate, the Committee was unable to assess and finalize the financial implications associated with the proposed survey work.

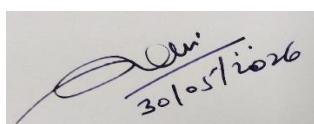
- c) The project was reviewed again, during the 11th meeting of TCC-II held on 23rd, 24th, 25th & 30th July, 2025, wherein the committee advised geophysical survey in the central part of the area in 2nd phase of the project. Further, during the review in 26th TCC-II meeting held on 1st and 2nd April, 2026, the Committee recommended initiation of drilling in 10 boreholes, in the areas where geophysical anomalies are supported by surface indications of mineralization. It further advised that the project be reviewed after completion and analysis of results from five (05) boreholes.
- d) During the present meeting, the NRD, Tata Steel Ltd. informed that geological mapping over an area of 5.6 sq. km. on 1:5000 scale has been completed, along with drone based topographic survey, geophysical surveys (Magnetic, SP & IP), and sampling. However, drilling and chemical analysis are yet to be completed under the project. The Agency further informed that forest clearance for exploratory drilling is still under process. In view of the above, the Agency requested an extension of the project timeline by 6 months, i.e., up to 9th December 2026, to facilitate completion of the project.
- e) The project was planned in three phases. Phase-I activities were completed within the stipulated time; however, Phase-II (geophysical surveys) was delayed due to pending forest clearance, which was received in February 2026 after approximately six months. Subsequently, Phase-II was completed and approval to proceed with Phase-III (drilling activities) was accorded during the 26th TCC-II meeting held on 01 April 2026. The application for forest clearance for drilling activities was submitted on the PARIVESH portal on 05 May 2026 and is presently under process.
- f) In view of the above delays and the approaching project completion date, a request for extension of the project timeline by six months, i.e., from **09 June 2026 to 09 December 2026**, was submitted during the 29th TCC-II meeting held on 20 May 2026. The Committee principally accepted the request and advised submission of a month-wise activity completion plan to the NMEDT Secretariat without any further requirement of timeline extension.

Sl. No	Activities	May-26	Jun-26	July-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26
1	Form-C (exempted category) approval (forest clearance)								
2	Completion of first 5 boreholes with chemical analysis								
3	Review for first 5 Boreholes by TCC-II								
4	Completion of remaining 9 boreholes with chemical analysis								
5	Petro-mineragraphic studies (thin-polished section, XRD, Trace elements)								
6	Geological Report (GR) preparation, Peer review & Submission								

- g) The Committee agreed to recommend a timeline extension of **6 months** for completion of the project and asked the Agency to submit a justification for timeline extension to NMEDT with justification for delay in scheduled project timeline.

Recommendations of TCC-II

- *The project was planned in three phases. Phase-II was delayed due to pending forest clearance, which was received in February 2026. Subsequently, approval to proceed with Phase-III (drilling activities) was accorded during the 26th TCC-II meeting held on 01 April 2026. The forest clearance application for drilling activities is presently under process.*
- *Owing to the above delays, The Committee recommended the proposal for approval of PSC for “timeline extension of 6 months up to 9th December 2026, for completion of the project and submission of final Geological Report”.*

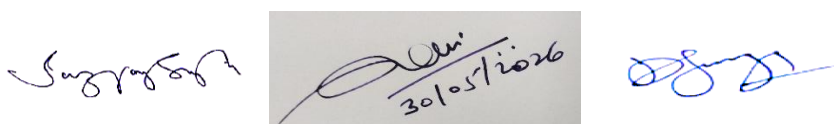

Agenda 29.2.6 Reconnaissance Survey (G4) Exploration of Copper Bearing Minerals around Musabani, Dumriya, Maheshpur areas in West Singhbhum District, Jharkhand.

[Implementing Agency: M/s Natural Resource Division, Tata Steel Ltd]

- a) The project was recommended in 67th TCC meeting held on 24th, 25th and 26th July, 2024, and approved in 37th EC meeting held on 23rd September, 2024. The project was approved with a scheduled timeline of 10 months at a sanctioned cost of ₹288.14/- lakhs (including GST). The Sanction Order was issued on **30th October, 2024**. Scheduled project completion timeline was **29th August, 2025**.
- b) During the review, in the 11th TCC-II meeting held on 23rd, 24th, 25th and 30th July, 2025, the committee recommended timeline extension of **6 months** up to **28th February, 2026**, which was approved in the 1st PSC meeting held on 9th October, 2025. The project was reviewed again in 20th TCC-II meeting held on 2nd and 5th January, 2026, wherein the committee recommended the initial drilling in three of the boreholes based on geophysical interpretations, i. e. Borehole nos. 1 and 3 in the northern part of the block and one Borehole no. 5 in the southern part of Block. The committee opined that further borehole planning will be finalized after review of the results of these initial boreholes.
- Further, in the review during 23rd TCC-II meeting held on 16th and 17th February, 2026, the committee recommended timeline extension of **4 month** up to **30th June, 2026**, for completion of the project due to local agitation in the area. Subsequently, the recommendation was approved in the 6th PSC meeting held on 2nd March, 2026. During 25th TCC-II meeting held on 17th and 18th March, 2026, the committee suggested revision in the locations of the remaining boreholes and maintenance of a uniform core sampling length.
- c) During the present meeting, the NRD, Tata Steel Ltd. informed that geological mapping over an area of 166.26 sq. km. on 1:12,500 scale has been completed, along with geophysical surveys (magnetic and IP). The Agency further informed that chemical analysis of 372 samples, against the approved 400 samples, and 997 m of drilling in 5 boreholes, against the approved 1000 m, have been completed. In addition, 216 core samples have been analysed, while the EPMA study is currently in progress. Further, the Agency requested approval for analysis of an additional 50 core samples, along with 5 additional check samples, for completion of the analysis of the hanging wall and footwall zones. The Agency also requested peer review of the final Geological Report (GR).
- d) The Committee agreed to recommend analysis of an additional 50 core samples, along with 5 additional check samples, for completion of the analysis of the hanging wall and footwall zones. The Committee also agreed for peer review of the final Geological Report (GR).

Recommendations of TCC-II

- *The Committee recommended the proposal for approval of PSC for “a revised project cost of ₹293.61/- lakhs (including GST) against the approved cost of ₹288.14 Lakh (Including GST) as per Annexures 6, due to additional 50 core samples, along with 5 additional check samples, for completion of the analysis of hanging wall and footwall zones”.*
- *The Committee also agreed for peer review of the final Geological Report (GR).*



Estimated Cost for Reconnaissance Survey (G4) for Copper and Associated mineralisation in Musabani- Dumuria-Maheshpur area in East Singhbhum District, Jharkhand

Name of the Exploration Agency - Natural Resources Division, Tata Steel Limited
Total Area - 166.296 Sq. Km; Completion Time - 15 Months; Reviews: 6 months, 9 months

Sl. No	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item-S. No.	Rates as per SoC	Qty.	Total Amount (Rs)	Factor of multiplication	Total Amount (Rs)	
1	Phase-1: LSM at 1:12500 scale with BRS and Soil sampling, Chemical analysis, Mineragraphic study- 6 months								
1.1	Geologist - LSM (1:12500 scale) with BRS and Soil sampling (Field work)	Mandays	1.2	11000	200	22,00,000	200	22,00,000	1. 250m traverse spacing across the block. 2. Total traverse length 640 Km 3. GCP at 50m interval on traverse line or less 3. Daily minimum 2.0line Km traverse for data collection per geologist 4. 6 days working per week
1.2	Geologist: Project Manager at HQ (for overall supervision, liaisoning etc)	Mandays	1.2	9000	60	5,40,000	60	5,40,000	1 person, 6 days working per week
1.3	Labour charges (for sample collection, packaging, carrying)	Mandays	5.7	522	400	2,08,800	400	2,08,800	2 labour per team; Amount will be reimbursed as per the notified rates by the Central Labour Commission or respective State Govt. whichever is higher.
1.4	Charges for one sampler per day (for sample preparation)	Mandays	1.5.2	5100	83	4,23,300	83	4,23,300	1. 100 samples 2. 1 sampler to be deployed 3. 15 samples to be prepared in a day 4. 6 days working per week

1.5	Labour charges (for sample preparation)	Mandays	5.7	522	332	1,73,304	332	1,73,304	1. 4 persons per day 2. Minimum 15 samples to be prepared in a day Amount will be reimbursed as per the notified rates by the Central Labour Commission or respective State Govt. whichever is higher.
1.6	BRS and Soil sample analysis (a package of 34 elements by ICP-AES/ICP-MS (sequential technique)	No. of Samples	4.1.14	7731	400	30,92,400	400	30,92,400	1. 400 samples 2. Initially 100 samples 3. later rest 300 samples after review
1.7	QAQC Samples (10%)	No. of Samples	4.1.14	7731	40	3,09,240	40	3,09,240	1. 10% of the samples
1.8	Preparation of polished thin section of rock	No. of Samples	4.3.2	1549	30	46,470	30	46,470	
1.9	Complete mineragraphic report of rock samples	Per Sample	4.3.4	4232	30	1,26,960	30	1,26,960	
1.10	EPMA	No. of hours	4.4.1	8540	10	85,400	10	85,400	
						72,05,874		72,05,874	
2	Phase-II: Geophysical Survey -3 months- Outsourced								
2.1	Magnetic Surveys (10-30line Km)	No. of Stations	3.2a	1800	480	8,64,000	480	8,64,000	
2.2	Induced Polarization (Dipole-Dipole)	Line Km	3.4a	69950	20	13,99,000	20	13,99,000	

2.3	Labour charges for assisting in geophysical survey	Mandays	5.7	500	0	0	0	0	1. 6 labour per day (2 for magnetic survey and 4 for IP survey) Amount will be reimbursed as per the notified rates by the Central Labour Commission or respective State Govt. whichever is higher.
2.4	Geophysicist man days for geophysical survey (field)	Mandays	3.18	11000	0	0	0	0	Daily 2line Km traverse 1 geophysicist 6 days working
2.5	Geophysicist man days for geophysical survey (HQ)	Mandays	3.18	9000	0	0	0	0	
						22,63,000		22,63,000	
3	Phase-III: Diamond core drilling (NQ size) and related activities - 4months - Outsourced								
3.1	Drilling up to a depth of 300m (normal rate)	Per m	2.2.1.3a	10100	1000	1,01,00,000	1000	10100000	5 boreholes; avg.200m depth
3.2	Drilling supervision, core logging, sampling advice	Mandays	1.2	11000	0	-	0	0	1. 1 geologist per rig 2. Total drilling days =50
3.3	Fixation of BH by DGPS	per point	1.6.2	19200	5	96,000	5	96000	
3.3	Borehole collar survey	Mandays	1.6.1a	8300	0	-	0	0	Using DGPS
3.4	Labour charges for assisting in collar survey	Mandays	5.7	500	0	-	0	0	1. 3 labour per day 2. 7 days work Amount will be reimbursed as per the notified rates by the Central Labour Commission or respective State Govt. whichever is higher.

3.5	Transportation of drill rigs and trucks associated per drill (to and from Head quarters to drill site)	per KM	2.2.8	36	3752	-	3752	0	2 rigs to be deployed Nagpur to Mosabani one way distance is 938 Km.
3.6	Monthly accommodation for drilling camp	Monthly basis	2.2.9	50000	2	-	2	0	1. Daily effective drilling by 2 rigs = 20m 2. Total drilling days =50
3.7	Drilling camp setting cost	Per drill	2.2.9a	250000	2	-	2	0	
3.8	Drilling cam winding cost	Per drill	2.2.9b	250000	2	-	2	0	
3.9	Approach road making for flat terrain	per KM	2.2.10a	22020	2	-	2	0	Considered 2 BHs at flat terrain
3.10	Approach road making for rugged-hilly terrain	Mandays	2.2.10b	32200	3	-	3	0	Considered 3 BHs at rugged-hilly terrain
3.11	Project Manager at HQ (for overall supervision, liaisoning etc)	Mandays	1.2	9000	25	-	25	0	
3.12	Charges for one sampler per day (for sample preparation)	Mandays	1.5.2	5100	0	-	0	0	1. 200 samples 2.1 sampler to be deployed 3. 15 samples to be prepared in a day 4.6 Days working per week
3.13	Labour charges (for sample preparation)	Mandays	5.7	500	0	-	0	0	1. 4 persons per day 2. Minimum 15 samples to be prepared in a day Amount will be reimbursed as per the notified rates by the Central Labour Commission or respective State Govt. whichever is higher.

3.14	Drill core sample analysis (a package of 34 elements by ICP-AES/ICP-MS (sequential technique)	No. of Samples	4.1.14	7731	200	15,46,200	250	1932750	1. 0.5m sample interval in the mineralized zone and 1.0m sample interval in HW and FW side of the mineralized zone 3m in both sides 50 additional samples considered.
3.15	External check samples 10%	No. of Samples	4.1.14	7731	20	1,54,620	25	193275	1. 10% of the samples
3.16	Drill core preservation		5.3	1590	300	4,77,000	300	4,77,000	
						1,23,73,820		1,27,99,025	
4	Project Cost without GST (1 to 3)					2,18,42,694		2,22,67,899	
5	Total Outsourced Cost					1,40,63,820		1,44,89,025	
6	Tendering process cost for outsourced activities		2.3			2,81,276		2,89,781	2% of the approved project cost or 5 lakh whichever is lower
7	Operational Charges against outsourced activities		6.0			10,78,191		10,99,451	
8	Peer review by external expert		As per EC decision			30,000		30,000	15 days
9	Geological Report preparation (@3% of the project cost or 7.5 lakh whichever is more)		5.2			7,50,000		7,50,000	
10	Preparation of exploration proposal					4,36,854		4,45,358	Reconnaissance survey exceeding Rs.150 lakh but less than 300 lakh; A minimum 7.5 lakhs or 2% of the value of the work whichever is more, Time required 1.5 months

11	Total Project cost (without GST)					2,44,19,015		2,48,82,489	
12	Total Project Cost with GST				18%	2,88,14,438		2,93,61,337	
13	Rs. In Lacs					288.14		293.61	

Note:

1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a certificate regarding non-outsourcing of any component/project is required
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.

Sugr...

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Agenda 29.2.7 Preliminary survey for Limestone in Sangmania Block, Satna District, Madhya Pradesh.

[Implementing Agency: Madhya Pradesh State Mining Corporation Limited (MPSMCL)]

- a) The project was recommended in 1st TCC-II meeting held on 26th and 27th September, 2024, and approved in 38th EC meeting held on 29th November, 2024. The project was approved with a scheduled timeline of 10 months at a sanctioned cost of ₹112.65/- lakhs (including GST). The Sanction Order was issued on 13th December, 2024. Scheduled project completion timeline was **12th October, 2025**.
- b) The agency informed the committee that the project execution was affected by unavoidable field and seasonal constraints, which impacted the pace of implementation during the execution period. The committee asked the agency to submit the justification to NMEDT in this regard. The agency in its justification informed that the delay in exploration activities was mainly due to unavoidable monsoon conditions, restricted field accessibility caused by cultivation and standing crops, and difficulties in deployment of drilling machinery and field logistics.
- c) Further, the agency informed the committee, that the geological mapping, pitting, drilling, sampling, laboratory analysis, and resource estimation activities were carried out by the agency. The agency informed that substantial progress has been achieved and requested extension of the project timeline up to 31.07.2026 for completion of the remaining work, including Geological Report preparation, peer review, final submission, and project closure.
- d) The committee advised the agency to adhere to the norms of NMEDT regarding timely review and completion of projects. The committee recommended for the timeline extension of **9 month 18 days** up to **31 July 2026** for completion of the remaining work, including Geological Report preparation, peer review, final submission, and project closure.

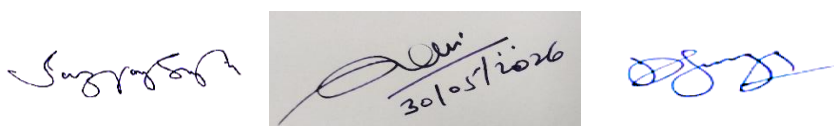
Recommendations of TCC-II

The committee recommended to PSC for the timeline extension of 9 month 18 days up to 31 July 2026 for completion of the remaining work, including Geological Report preparation, peer review, final submission, and project closure. Further, the Committee advised the agency to adhere to the norms and guidelines of NMEDT-funded exploration projects regarding timely review and completion of projects.

Agenda 29.2.8 Reconnaissance survey for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh.

[Implementing Agency: M/s Engeotech Consultant]

- a) The project was recommended in the 3rd TCC-II meeting held on 5th and 6th December, 2024 and approved in the 39th EC meeting held on 24th January, 2025. The project was approved with a scheduled timeline of 10 months at a sanctioned cost of ₹70.15/- lakhs (including GST). The Sanction Order was issued on 10th February, 2025. Scheduled project completion timeline was 9th December, 2025.
- b) The project was reviewed in the 9th TCC-II meeting held on 29th & 30th May 2025, wherein the committee recommended a revised cost of ₹103.59/- Lakhs (including GST) due to additional drilling in 6 Boreholes (180m), which was subsequently approved in 43rd EC meeting held on 14th August, 2025. Further, In 19th TCC-II meeting held on 16th & 17th December, 2025, the Committee recommended dropping one borehole (PBH-3) and for granting a timeline extension of six months. Again, during the review in 20th TCC-II meeting held on 2nd & 5th January, 2026, the Committee recommended a revised cost from ₹103.59/- lakhs (including GST) to ₹98.40/- lakhs (including GST), as the borehole no. PBH-3 was not drilled due to local agitation. A timeline extension of **06 months**, up to **8th June 2026**, was



also recommended for submission of final Geological report, in view of delays caused by local agitation and the rainy season. Subsequently, these recommendations were approved in 4th PSC meeting held on 13th January, 2026.

- c) M/s Engeotech Consultant informed that geological mapping over an area of 22.52 sq. km. on 1:12,500 scale has been completed, along with pitting (3 pits), drilling (8 boreholes), sampling, and corresponding chemical analysis. Petrological studies have also been carried out. The Agency further informed that limestone resources of 280.03 million tonnes have been estimated for a cut-off grade of CaO >34% and MgO <5%. The average grade of Cement Grade Limestone has been estimated as CaO 43.05%, MgO 3.03%, and SiO₂ 14.37%, while the average grade of Blendable Grade Limestone has been estimated as CaO 36.69%, MgO 6.08%, and SiO₂ 17.70%. The Agency further requested timeline extension up to 30th June, 2026, for Peer Review and submission of the final geological report.
- d) The Committee agreed for peer review of the final geological report and recommended a timeline extension of **1 month** up to **8th July, 2026**, for the same.

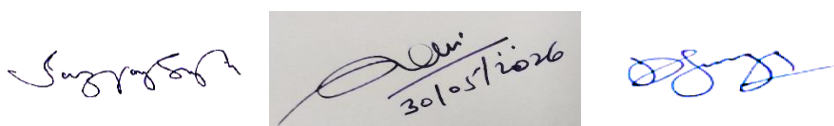
Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension of 1 month up to 8th July 2026, for peer review and submission of the final geological report”.

Agenda 29.2.9 Preliminary exploration of Ion-Adsorption and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block East Khasi and West Jaintia Hills Districts, Meghalaya.

[Implementing Agency: DMR, Meghalaya]

- a) The project was recommended in the 57th TCC meeting held on 26th & 27th September, 2023 and approved in the 32nd EC meeting held on 6th December, 2023. The project was approved with a scheduled timeline of 15 months at a sanctioned cost of ₹300.94/- lakhs (including GST). The Sanction Order was issued on 12th December, 2023. Scheduled project completion timeline was **11th March, 2025**.
- b) The project was reviewed in 11th meeting of TCC-II held on 23rd, 24th, 25th and 30th July, 2025, wherein the Committee recommended a timeline extension **of 5 months** up to **9th November, 2025** for GR submission, which was approved in 1st PSC meeting held on 9th October, 2025. The project was reviewed again during the 18th meeting of TCC-II held on 4th & 8th December, 2025, where the Committee recommended a timeline extension of **4 months and 22 days** up to **31st March, 2026**, as the tender process for outsourcing certain components of the work was still in progress. Subsequently, it was approved in 4th PSC meeting held on 13th January, 2026. Further, during the 25th meeting of TCC-II held on 17th and 18th March, 2026, the Agency had informed that the bidding process for outsourced drilling under this project was currently in progress, so, the Committee advised the agency to expedite the tendering process and provide a firm timeline for completion of the project work. In its 28th meeting held on 7th and 8th May, 2026, since no presentation was made by the Agency, the TCC-II directed the Agency to present the progress of the project through a PowerPoint Presentation (PPT) in the next TCC-II meeting, based on which the further course of action for the project will be decided.
- c) During the present meeting, DMR, Meghalaya informed that, out of the assigned area of 7.1 sq. km., a total of 5.5 sq. km. has been mapped on 1:4000 scale, along with pitting/trenching, collection of BRS and soil samples, and drilling of 14.03 m in 1 borehole against the approved drilling target of 240 m in 6 boreholes. The Agency further informed that SEM and EPMA studies have also been completed. The Agency requested for a timeline extension of 8 months up to 30th November, 2026, This extension is sought due to continuous rainfall in the block area, time required for drilling operations, chemical analysis of core samples, and preparation



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and submission of the final Geological Report (GR). The Agency also requested for additional 50 nos. of XRD analysis and additional 20 hours each for SEM & EPMA studies of core samples.

- d) The Committee suggested course correction measures to ensure proper soil sampling from the pits. The Committee advised revisiting the pit samples by preparing composite samples separately from the Saprolith and Pedolith zones and analysis of samples to be carried out at NABET accredited Labs. Simultaneously, drilling activities are to be continued. The Committee further stated that the analytical results of the pit samples, as suggested above, will be reviewed once the results become available. Additional samples/studies will be decided after review. Further, the Committee recommended an extension of the project timeline by 8 months.

Recommendations of TCC-II

- *The Committee recommended the proposal for approval of PSC for “timeline extension of 8 months up to 30th November, 2026, for project completion and submission of the final geological report.*
- *Analytical results of the pit samples, as suggested by the Committee, will be reviewed once the results become available.*
- *The extension is sought due to continuous rainfall in the block area, time required for drilling operations, chemical analysis of core samples, and preparation and submission of the final Geological Report (GR).*

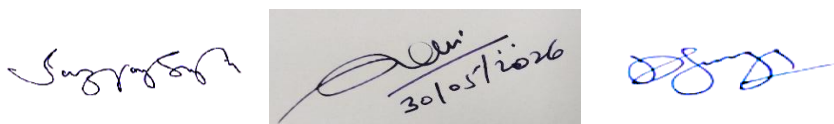
Agenda 29.2.10 Preliminary exploration for Limestone in Khongkha Block, Kiphire district, Nagaland.

[Implementing Agency: DGM, Nagaland]

- a) The project was recommended in the 5th TCC-II meeting held on 27th, 28th and 29th January, 2025. However, in 40th EC meeting held on 21st February, 2025, the project was deferred and EC instructed that a committee including members from GSI, MECL and IBM should visit the said limestone block and submit a report within one month on the commercial viability of Composite License at G-4 stage or whether the block can be upgraded to G-3 stage of investigation. Further, the approval of the project was ratified in the 42nd EC meeting held on 2nd June, 2025. The project was approved with a scheduled timeline of 15 months at a sanctioned cost of ₹765.98/- lakhs (including GST). The Sanction Order was issued on 26th March 2026. Scheduled project completion timeline was **25th June 2026**.
- b) DGM, Nagaland informed that, so far, 8 boreholes have been drilled in the block and 3 limestone bands have been identified. The average thickness in Band-1 comprises 48 m of limestone and 42 m of limestone with phyllite intercalation. In Band-2, the average thickness of limestone is 63 m, while in Band-3, it comprises 57 m of limestone and 9 m of limestone with phyllite intercalation. The strike lengths of Band-1, Band-2, and Band-3 have been estimated as 2.5 km, 0.5 km, and 0.6 km, respectively. In Band-1, the CaO content in limestone varies from 44.20% to 50.33%, whereas in limestone with phyllite intercalation, the CaO content varies from 32.13% to 39.68%. Further, the Agency informed that 2 more boreholes and chemical analysis for 7 borehole core samples are pending and requested timeline extension of **3 months up to 25th September 2026**.
- c) Considering the terrain conditions, remoteness of the location and limited accessibility of the block, the Committee agreed to recommend timeline extension of **3 months up to 25th September 2026** for completion of the project and submission of final geological report.

Recommendations of TCC-II

- *The Committee recommended the proposal for approval of PSC for “timeline extension of 3 months up to 25th September 2026 for project completion and submission of the final geological report.*



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- **The extension is sought due to difficult terrain, remote location, and limited accessibility of the block, which delayed road development and mobilization of drilling rigs and exploration activities.**

Agenda 29.2.11 Preliminary exploration for Limestone in Mimi Kheti Block, Kiphire district, Nagaland.

[Implementing Agency: DGM, Nagaland]

- The project was recommended in the 5th TCC-II meeting held on 27th, 28th and 29th January, 2025, and approved in the 40th EC meeting held on 21st February, 2025. The project was approved with a scheduled timeline of 15 months at a sanctioned cost of ₹1166.70/- lakhs (including GST). The Sanction Order was issued on 5th March 2025. Scheduled project completion timeline 4th June 2025.
- DGM, Nagaland informed that, they have completed geological mapping over an area of 3.54 sq. km. on 1:4000 scale, along with topographical survey. So far, 898 m of drilling has been completed in 9 boreholes, while 1012 m of drilling remains pending in 11 boreholes. At present, drilling activities are continuing in one borehole. Further, sampling and corresponding chemical analysis are in progress. The Agency, requested a timeline extension of 9 months up to 28th February, 2027, for completion of the project and submission of final geological report, considering 5 months gap of rainy season till October 2026.
- In view of the difficult terrain conditions, the Committee agreed to recommend a timeline extension of **6 months up to 31st December 2026.**

Recommendations of TCC-II

- **The Committee recommended the proposal for approval of PSC for “timeline extension of 6 months up to 31st December 2026, for project completion and submission of the final geological report.**
- **The extension is sought due to prolonged and incessant rainfall prevailing in the Nagaland block area up to October 2026, which has adversely affected field accessibility and drilling operations, along with the additional time required for chemical analysis of core samples and preparation and submission of the final Geological Report (GR).**

Agenda 29.2.12 Reconnaissance survey for Bauxite, Ga, V, Ti & REE in Lakhond area, Kachchh District, Gujarat.

[Implementing Agency: M/s Critical mineral trackers (CMT)]

- The project was recommended in 4th meeting of TCC-II held on 26th and 27th December, 2024, and approved in the 39th EC meeting held on 24th January, 2025. The project was approved with a scheduled timeline of 10 months at a sanctioned cost of ₹60.01/- lakhs (including GST). The Sanction Order was issued on 10th February, 2025. Scheduled project completion timeline was 9th December, 2025.
- The project was reviewed in 9th meeting of TCC-II held on 29th & 30th May, 2025, wherein the committee recommended the revised cost of ₹68.76/- Lakh (including GST) due to the change from outsourced drilling to in-house drilling in the project. The proposed revised cost was approved in 43rd meeting of EC held on 14th August, 2025. During the project review in 23rd TCC-II meeting held on 16th and 17th February, 2026, the committee recommended timeline extension up **to 31st March, 2026**, for GR submission.
- Further, in the 25th TCC-II meeting held on 17th and 18th March, 2026 the Committee advised undertaking characterization of TREE, along with analysis of the enrichment/depletion of Sc in relation to Na, K, and Ca based on drill core sample chemistry; conducting thin-section studies of REE mineral phases in enriched zones; and providing a detailed discussion in the final Geological Report on the variation of TREE and other critical mineral contents, their

controlling factors with respect to the chemical environment, and identification of potential new prospective areas. The 25th TCC-II, recommended a revised cost of ₹62.55/- Lakh (including GST), due to incomplete drilling (11m drilled against approved 30m) in 4th borehole caused by complete water loss and timeline extension up to 31st March, 2026. Subsequently, these recommendations of revised cost & timeline extension were approved in 7th PSC meeting held on 27th March, 2026.

- d) During the review in 26th meeting of TCC-II held on 1st and 2nd April, 2026, the Committee recommended further timeline extension of **2 months**, up to **31st May, 2026**, for Peer Review & submission of the final GR with the advice to incorporate the Committee's recommendations made during the 25th TCC-II meeting and thereafter submission of the final Geological Report (GR) for peer review. Timeline extension up to 31st May, 2026, was approved in 8th PSC meeting held on 30th April, 2026.
- e) M/s Critical mineral trackers (CMT) informed that, Peer Review of the final geological report (GR) has been done and all modifications/corrections suggested by the peer reviewer have been incorporated in the GR. The Agency requested approval of the Committee for submission of the final GR.
- f) The Committee agreed for submission of the final geological report.

Recommendations of TCC-II

The Committee agreed for submission of the final geological report.

29.3 Technical Evaluation for In-Principle Approval

Agenda 29.3.1 Reconnaissance survey for Laterite-Hosted Bauxite and Associated Fe-Ti Mineralization in Parts of Chotanagpur Granite Gneissic Complex around Besna-Dokapat – Lupungpat Area, Chainpur Tehsil, Gumla District, Jharkhand.

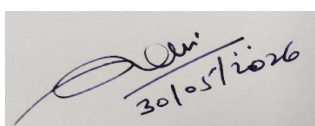
ID- ME/IN/G4/JH/P/26-27/004.

[Implementing Agency: M/s Enkay Enviro Services Private Limited]

- a) The proposed reconnaissance survey (G4) of 60 sq. km area falls in Survey of India Toposheet no. 73A/07 & 73A/08, in parts of Gumla District, Jharkhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	GSI Critical Mineral Assessment Programme (CMAP) block already proposed for fs 2027-28 and submitted for IPR scrutiny overlap with the proposed block.
2	DMG	Not available
3	MECL	The block proposed is not overlapping with explored block and ongoing blocks.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	The proposed block completely overlaps with the previously submitted Chakdipat Block by M/s GEMS Projects Private Limited, wherein the DGM informed vide letter dated 24.10.2025 that the area had already been undertaken for geological exploration under the name of Besna Bauxite Block. Further, the proposed block also overlaps with an earlier proposed block submitted by M/s Earthenviro Pvt. Ltd. dated 15th July 2025.

- c) The agency informed the committee that the Besna-Dokapat and Lupungpat blocks, situated within the Precambrian Chota Nagpur Granite Gneissic Complex, cover nearly 60 sq. km and fall within a recognized Bauxite OGP (Obvious Geological Potential) zone. The area partially overlapped earlier Geological Survey of India (GSI) investigations

conducted during FS 1970–71 and 1977–83 and was largely free from forest cover. Geologically, the region was dominated by granite gneiss, associated basement rocks, and infratrappean/intertrappean clay horizons, which favored intense lateritisation and bauxite formation. Previous studies indicate that high Al_2O_3 concentrations were mainly confined to bauxite and aluminous laterite zones developed over granite–gneiss terrain. The presence of laterite-capped plateaus and well-developed weathering profiles further highlighted the strong potential of the area for laterite-hosted bauxite and associated mineralization.

- d) The Committee, after considering the issue of overlap, did not accord in-principle approval to the proposal.

Recommendations of TCC-II

The Committee did not accord in-principle-approval to the proposal.

Agenda 29.3.2 Preliminary exploration for Bauxite, Aluminous Laterite and Others minerals in Padel block, Devgad Taluka, Sindhudurg District, Maharashtra.

ID: (ME/IN/G3/MH/P/26-27/015).

[Implementing Agency: M/s PRB Infraprojects Private Limited]

- a) The proposed exploration survey (G3) of 7.2 sq. km area falls in Survey of India Toposheet no.47H/07, in parts of Sindhudurg District, Maharashtra.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	No mineral exploration programme is under execution by GSI in the proposed area. The proposed block falls within G4 exploration work for Bauxite and aluminous laterite in Padel area FS 2022-23.
2	DMG	The representative from state DGM informed the committee that the proposed block overlaps with coastal regulatory (CRZ) area.
3	MECL	The block proposed is not overlapping with explored block and ongoing blocks.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	A slight portion of the proposed block falls in CRZ 1B zone, however CRZ 1A & CRZ 4B falls in the buffer zone (AOI) of the proposed block. There are no completed or ongoing NMEDT-funded projects in the proposed block.

- c) The committee after considering the issue of overlap of Coastal Regulation Zone (CRZ) with the proposed block, asked the DGM Maharashtra to submit its written reply to NMEDT and further advised DGM to share the overlapped area information to NPEA.
- d) The committee deferred the project for the upcoming TCC-II meeting and advised the agency to revise the area after taking input from DGM Maharashtra about the CRZ overlap.

Recommendations of TCC-II

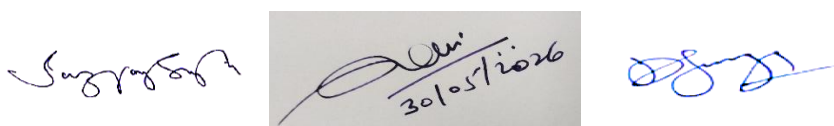
The Committee deferred the proposal to the upcoming TCC meeting due to overlap with the Coastal Regulation Zone (CRZ) and advised the agency to revise the area.

Agenda 29.3.3 Preliminary exploration (G3) for Bauxite, Aluminous Laterite & other minerals in Wada block, Devgad Taluka, Sindhudurg District, Maharashtra.

ID: ME/IN/G3/MH/P/26-27/014.

[Implementing Agency: M/s PRB Infraprojects Private Limited]

- a) The proposed exploration survey (G3) of 12.0 sq. km area falls in Survey of India Toposheet no.47H/07, in parts of Sindhudurg District, Maharashtra.



b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	No mineral exploration programme is under execution by GSI in the proposed area. The proposed block falls within G4 exploration work for Bauxite and aluminous laterite in Padel area FS 2022-23.
2	DGM	The representative from state DGM informed the committee that the north side of proposed block overlaps about 1.98 sq. km with the Nadan Auction block of DGM Maharashtra.
3	MECL	The block proposed is not overlapping with explored block and ongoing blocks.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	CRZ 1B falls in the buffer zone (AOI) of the proposed block. There are no completed or ongoing NMEDT-funded projects in the proposed block.

c) The committee after considering the comments, advised the agency to revise the area of the project after taking information of Auction block overlap area from DGM Maharashtra. The committee deferred the proposal for upcoming TCC-II meeting.

Recommendations of TCC-II

The Committee deferred the proposal to the upcoming TCC-II meeting due to overlap with Nadan auction block OF DGM Maharashtra and advised the agency to revise the area.

Agenda 29.3.4 Reconnaissance survey for Graphite and associated Minerals around Janardhanapatnam-Talluru Villages District, Kakinada and Anakapalle, Andhra Pradesh.

[Implementing Agency: M/s APC Drilling & Construction Private Limited]

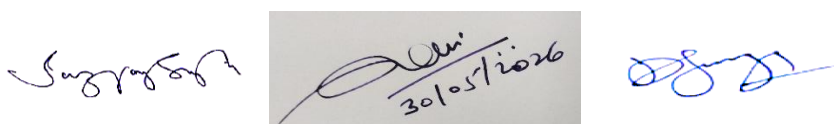
a) The proposed preliminary Exploration (G3) of 71.10 sq.km sq. km. area, falls in Survey of India Toposheet number 65K/07 & 65 K/11 in parts of Kakinada and Anakapalle, Andhra Pradesh.

The proposal was presented during 25th TCC-II meeting held on 17th and 18th March, 2026, wherein the Committee deferred the proposal as the complete geological information was not presented properly.

b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed NPEA block was covered by STM work during FS 2023-24. Exploration activity has not been done. No ongoing exploration projects in the area.
2	DMG	No ongoing exploration/reconnaissance projects related to Graphite and associated minerals and any other mineral/commodity in the proposed area
3	MECL	The block proposed is not overlapping with explored block and ongoing blocks.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	There are no completed or ongoing NMEDT-funded projects in and around the proposed block.

c) The agency presented the proposal highlighting the previous STM work, FS 2023-24 carried out by the GSI, wherein the analyzed samples indicated Fixed Carbon values ranging from 0.47% to 3.99%. The committee observed that the background information provided by agency was inadequate to consider for G4 exploration. The block was carved out from the STM work of GSI,23-24 but agency could not verify location of BRS samples indicating



mineralization.

- d) The committee advised the agency, to visit field area, to identify the potential litho-units, collection of 4 to 5 representative samples and show evidence of mineralisation by carrying out their chemical analysis. The Committee further advised that the previous data pertaining to the proposed block be examined through the NGDR portal, and the relevant details be incorporated in the proposal along with plotting of the sample locations on the map. The proposal may thereafter be resubmitted along with supporting previous data, findings of the field visit, and positive analytical results of the collected samples, if any.

Recommendations of TCC-II

The Committee deferred the proposal and advised visit field of the area, to identify potential litho-units, collection of 4 to 5 representative samples to show evidence of mineralisation by carrying out their chemical analysis. The previous data pertaining to the proposed block may be examined through the NGDR portal, and the relevant details be incorporated in the proposal along with plotting of the sample locations on the map. The proposal may thereafter be resubmitted along with supporting previous data, findings of the field visit, and positive analytical results of the collected samples.

Agenda 29.3.5 Preliminary exploration for Glaucinite (Potash) and Associated Minerals in Jhalpani-Bharka Block District, Balod Bazari, Chhattisgarh.

[Implementing Agency: M/s APC Drilling & Construction Private Limited]

- a) The Committee referred to the earlier deliberations held during the 18th TCC-II meeting, wherein it was opined that the outcomes of ongoing and completed potash exploration projects approved under NMEDT funding should be reviewed prior to consideration of additional proposals pertaining to the same mineral commodity.
- b) During the present deliberations, the Committee referred to the earlier discussions and observed that details of completed as well as auctioned potash blocks located within and around the proposed block area should be made available for proper evaluation of the proposal. In this regard, the Committee advised NMEDT to collect and compile relevant block-wise information, including exploration status and auction details, to facilitate an informed decision in the forthcoming TCC meeting.
- c) The committee opined that the Potash-related blocks proposals may be discussed in Joint TCC meeting after availability of the data in this regard.

Recommendations of TCC-II

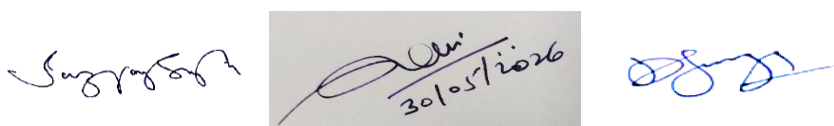
The Committee advised NMEDT to collect and compile relevant block-wise information, including exploration status and auction details of completed and auctioned potash blocks in and around the proposed area, for detailed examination of the proposal in the upcoming joint TCC meeting. Further, the Committee decided to keep the proposal on hold till the upcoming joint TCC meeting.

Agenda 29.3.6 Reconnaissance survey for REE & RM mineralization in Lakhana-Tarbod area, Nuapada, District, Odisha.

ID: ME/IN/G4/OD/P/26-27/059.

[Implementing Agency: M/s Gemcokati Exploration Private Limited]

- a) The proposed area of 116 sq. km. for reconnaissance survey (G4), falls in Survey of India Toposheet no. 64L/10, in parts of Nuapada District, Odisha.



b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block is overlapping with G4 stage REE and RM exploration blocks Bhela-Babupalli-Udaybandh area, of GSI, FS 2024-25 in the south and Graphite block in the east.
2	DoMG	The proposed block was partly covered by DoMG during F.S 1963-64. Within the proposed block, occurrences of graphite and Mn are located near Komna, Singari & Biswanathpur & Mahuabhata areas. Pegmatite are located around Jehupali area. But detail assessment is not done systematically. Moreover, the potentiality of REE & RM was not assessed.
3	MECL	A part of the proposed Lakhana-Tarbod block is overlapping with Chormunda Block which is under exploration by MECL.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	Overlap with (Eco-sensitive Zone) ESZ of Sunabeda Wild Life Sanctuary. There are no completed or ongoing NMEDT-funded projects in and around the proposed block.

- c) The agency informed the committee that the block boundary has been revised based on the available information regarding overlap with the GSI G4 area and the MECL exploration block. Accordingly, the revised proposed area has been reduced to 121 sq. km. The agency further informed that, during their field visit, 4 samples were collected from the proposed area which indicated maximum TREE values up to 513.00 ppm (82.64 -513.87) ppm, THREE (33.99-102.04), TREE (116.63-558) ppm.
- d) The committee, based on NMEDT comments, observed that the modified block was showing considerable overlap with the ESZ of Sunabeda Wild Life Sanctuary.
- e) The Committee advised the Agency to refer to the GSI's G4 report for REE exploration, of FS 2024-25 and incorporate the available data in the proposal and revised the area by removing the overlapped part with ESZ.

Recommendations of TCC-II

The Committee deferred the proposal to the upcoming TCC-II meeting and advised the agency to refer to the GSI's G4 report for REE exploration, of FS 2024-25 and incorporate the available data in the proposal and revise the proposed area by removing the overlapped area with ESZ of Sunabeda Wild Life Sanctuary.

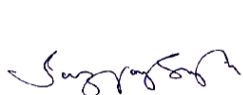
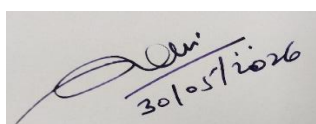
Agenda 29.3.7 Reconnaissance survey for REE & RM mineralization in Chatta Bhela block, Nuapada, District, Odisha.

ID: ME/IN/G4/OD/P/26-27/058.

[Implementing Agency: M/s Gemcokati Exploration Private Limited]

- a) The proposed area of 102 sq. km. for reconnaissance survey (G4), falls in Survey of India Toposheet no. 64L/10, 64L/11 in parts of Nuapada District, Odisha.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block is overlapping with G4 stage REE and RM exploration in Bhela-Babupalli-Udaybandh area of GSI, FS 2024-25. The proposed block is also partly overlapping with approved G3 stage REE and RM exploration block of GSI for FS 2026-27.
2	DoMG	The proposed block was partly covered by DoMG during F.S 1963-64. Within the proposed block, occurrences of graphite and Mn are located near Komna, Singari & Biswanathpur & Mahuabhata areas. Pegmatite are located around


		Jehupali area. But detail assessment is not done systematically. Moreover, the potentiality of REE & RM was not assessed.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	Overlap with (Eco-sensitive Zone) ESZ of Sunabeda Wild Life Sanctuary. There are no completed or ongoing NMEDT-funded projects in and around the proposed block.

- c) The committee observed that the proposed area showed almost complete overlap with GSI's exploration area (G4) for REE and RM exploration and major part overlapped with the ESZ of Sunabeda Wild Life Sanctuary. The committee did not accord the in-principle approval due to overlap issues.

Recommendations of TCC-II

The committee did not agree for in-principle-approval of the proposal due to overlap with GSI G4 work for REE and RM mineralization and ESZ of Sunabeda Wild Life Sanctuary.

Agenda 29.3.8 Reconnaissance survey (G4) for Aluminum, Gallium & Vanadium in the environs of Panandro Block, Kachchh District, Gujarat.

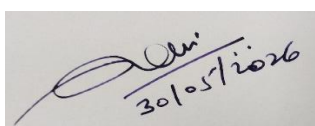
ID: ME/IN/G4/GJ/P/26-27/008.

[Implementing Agency: M/s GeoExpOre Private Limited]

- a) The proposed area of 331.20 sq. km. for reconnaissance survey (G4), falls in Survey of India Toposheet nos. 41A/9, 41A/10, 41A/11, 41A/14 & 41A/15 in parts of Kachchh District, Gujarat.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block overlaps by approximately 82 sq. km with an earlier lignite exploration block previously investigated by GSI. However, no analytical work has been carried out for Aluminium, Gallium, Vanadium, or other associated minerals within this area.
2	CGM	This block was discussed in a one-day workshop conducted by CGM on 17.08.2024 and our office issued No Objection Certificate (NoC) for Panandro-Fulara Lignite Block (G4) to M/S GeoExpOre Pvt Ltd dated 11.11.2024 and revised block boundary NOC issued dated 04.01.2025. The private land applicant has proposed nine (09) Panandhro limestone blocks for G3 exploration, which fall within the Panandhro-Fulra Lignite Block.
3	MECL	Overlap with MECL Kachchh Tertiary Clay Laterite block assigned by CGM Gujarat.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	Overlap with (Eco-sensitive Zone) ESZ of Narayan Sarovar Wild Life Sanctuary.

- c) The committee observed that NOC approval for an overlapping area has been granted by the CGM, Gujarat to both GeoExpOre Private Limited and Mineral Exploration & Consultancy Limited (MECL).
- d) The representatives from CGM Gujarat informed during the meeting that although NOC had earlier been granted to MECL, the exploration work was not initiated by them. Therefore, CGM Gujarat subsequently granted NOC for Lignite exploration to M/s Geoexplore Pvt. Ltd.
- e) The CGM Gujarat informed via emailed dated 21.5.2026 that their office had already issued

No Objection Certificate (NoC) for “Panandro–Fulara Lignite Block (G4 Stage)” to M/s GeoExpOre Pvt. Ltd. vide letter dated 11.11.2024. Further, revised block boundary NoC was also issued vide letter dated 04.01.2025. Moreover, it is to inform that the Panandro–Fulara Lignite Block (G4 Stage) is adjoining to the working GMDC lignite mining leases, namely: 1. Umarsar Lignite Project 2. Lakhapat–Punrajpur Lignite Project 3. Matano Madh Lignite Project.

- f) The Committee observed that the No Objection Certificate (NoC) granted to M/s GeoExpOre Pvt. Ltd. was for the “Panandro–Fulara Lignite Block (G4 Stage) however, the agency had proposed the said block for exploration of Aluminium, Gallium, and Vanadium commodities. Therefore, the Committee did not agree to accord approval to the proposal.

Recommendations of TCC-II

The committee did not agree for in-principle-approval of the proposal as the NoC was not given by CGM Gujarat to the agency for lignite and not for the exploration of Aluminium, Gallium, and Vanadium commodities.

Agenda 29.3.9 Reconnaissance survey for Base metal, Arsenic and associated minerals in Bansani-Singhitali block, Garhwa, District-, Jharkhand.

ID: ME/IN/G4/JH/P/25-26/042.

[Implementing Agency: M/s GEMS Project Private Limited]

- a) The proposed area of 71.7 sq. km. for reconnaissance survey (G4), falls in Survey of India Toposheet no. 63P/11 in parts of Garhwa, District-, Jharkhand
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block shows overlap with GSI previous works STM FS 2020-22, FS 2017-18 for Potash and Phosphate (G4), FS 1960 for Galena, Potash and Phosphorite FS 2024-25. Currently GSI is not working in north part of the proposed area. GM Chaitanian Ghat block for Potash handed over to DMG lies close to north boundary of the proposed block.
2	DMG	The representative informed the committee that the northern part of the block belongs to Vindhyan and earlier work has been carried out for fertilizer minerals in the area.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	Overlaps with G3 auctionable Muskaniya block FS 2019-20 (GSI) for Potash fertilizer mineral . Proposed block buffer zone is overlapped with Chaitanian Ghat (G4/GM) exploration block (Phosphate & Potash Fertilizer Mineral) GSI FS 2017-19. Proposed block is slightly overlapped with the existing Mining Lease of M/s SAIL (RMD) Division.

- c) The agency informed the committee that the proposed block, lies within the northern part of the Chotanagpur Gneissic Complex (CGC), which is composed of a variety of metamorphic and igneous rocks such as granite gneiss, schists, quartzites, and amphibolites. The agency presented the geochemical analysis of NGCM data where arsenic (As) values reach up to 182 ppm, which was considerably higher than the background concentration and indicates the presence of a strong geochemical anomaly in the area. Similarly, lead (Pb) values recorded up to 70 ppm further suggest the possibility of base metal enrichment within the host rocks.
- d) The committee observed that a lot of work for fertilizer mineral exploration had already been done in the half northern part of the block. The committee advised the agency to revise the

- block area by removing the overlapping northern part.
- e) The committee further advised the agency to undertake a field visit, identify potential litho-units, collect 4–5 representative samples, and carry out their chemical analysis and show evidence of mineralization. The committee further advised that the stratigraphic sequence be incorporated in the legend of the geological map. The proposal may thereafter be resubmitted with the revised area, revised geological map as suggested by the committee, and positive analytical results of the samples collected during the field visit.

Recommendations of TCC-II

The Committee deferred the proposal and advised the agency to exclude the overlapping northern part of the block. It further advised the agency to undertake a field visit, identify potential litho-units, collect 4–5 representative samples, and carry out their chemical analysis. The proposal may thereafter be resubmitted with the revised area, revised geological map as suggested by the Committee, and positive analytical results of the samples collected during the field visit.

Agenda 29.3.10 Reconnaissance survey for Vanadium and associated Critical Minerals in Lateritic Rocks of Halli Block, Bidar District, Karnataka.

ID: ME/IN/G4/KA/P/26-27/041.

[Implementing Agency: M/s GMMCO Technology Services Limited]

- a) The proposed area of 100 sq. km. for reconnaissance survey (G4), falls in Survey of India Toposheet no. 56C/13 in parts of Bidar District, Karnataka.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	Critical Mineral Assessment Programme (CMAP) item in Matala block, FS 2026-27 falls in core of the presently proposed block. A G3 level exploration item in Ilhal block for critical mineral assessment is under rolling approval for FS 2026-27. This items boundary overlaps with the southernmost part of the proposed block.
2	DMG	Regional exploration was carried out during 1999-2000 in the Basavakalyan taluk covering an area of 150 sq. km focused on ferruginuous laterite. There are no ongoing exploration projects of DMG in the proposed area. The proposed block overlaps with the Yarandi Block-2(GSI FS 2025-26) in the south eastern part.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	There is no overlapping with the NMEDT Funded projects.

- c) The agency informed the committee that the proposed block falls within the Deccan Plateau is characterized by Deccan Trap basalt flows overlain by laterite profiles, favourable for enrichment of critical minerals such as vanadium (V), scandium (Sc), cobalt (Co), and gallium (Ga). Vesicular basalts, zeolitic zones, and red bole horizons provide suitable sites for mineral concentration through lateritization. Regional studies by Chahong and Kiho (2023) reported vanadium values >600 ppm and scandium >50 ppm, while investigations by the Geological Survey of India in the adjoining Mudbi block (2025) recorded vanadium exceeding 1500 ppm, scandium >100 ppm, and cobalt up to 688 ppm. Borehole data confirmed near-surface mineralized zones averaging ~1860 ppm V (~0.25% V₂O₅). Further work by Deepu T.R. et al. (2025) reported vanadium up to 4280 ppm and scandium up to 104 ppm.
- d) The proposed area partially overlaps with the GSI's G4 of FS 2024-25.
- e) The committee opined that the outcome of the GSI work for FS 2026–27 will determine whether further adjoining areas should be considered for exploration. In case the results are

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found to be positive, a fresh proposal with revised block boundaries may be submitted to the TCC for technical evaluation.

Recommendations of TCC-II

The Committee did not agree for in-principle-approval of the proposal as the area is under study by GSI (CMAP) FS 2026-27.

Agenda 29.3.11 Preliminary exploration (G3 stage) for aluminous laterite, titanium, vanadium, and associated critical minerals was carried out in the Mudbiwadi Block of Bidar District, Karnataka.

ID: (ME/IN/G3/KA/P/26-27/040).

[Implementing Agency: M/s GMMCO Technology Services Limited]

- a) The proposed area of 3 sq. km. for preliminary exploration (G3), falls in Survey of India Toposheet no. 56C/14 in parts of Bidar District, Karnataka.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block falls in the southern western part of the block carried out under Critical Mineral Assessment Programme for vanadium and associated critical minerals in lateritic rocks of Mudbi Block, Bidar District, Karnataka. FS 2024-25. In the proposed area, no exploration/reconnaissance projects are ongoing.
2	DMG	There is no ongoing exploration / reconnaissance project.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	AMD	There is no ongoing exploration / reconnaissance project.
5	NMEDT	There is no overlapping with the NMEDT Funded projects.

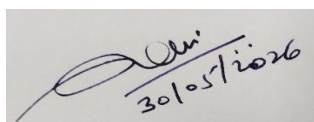
- a) The agency informed the committee that in the proposed block, Geological Survey of India (GSI, 2025) carried out Critical Mineral Assessment Programme (CMAP) on 1: 12,500 scale in the Mudbi block and delineated four potential zones within aluminous laterite, recommending the area for detailed investigation in this area and delineated four potential zones, out of which Zone-IV has been proposed. In this zone, analytical results of BRS, channel, and pit samples indicate Al_2O_3 values ranging from 14.36% to 30.48%, V values from 223 ppm to 2056 ppm, Sc values from 4 ppm to 200 ppm, and TO_2 values from 1.7% to 4.51%.
- b) Considering the promising analytical results above the Committee accorded in-principle-approval to the proposal.

Recommendations of TCC-II

The committee accorded in-principle approval to the project and suggested the agency to bring DPR within 2 months.

**List of participants attended 29th meeting of Technical-cum-Cost Committee - II (TCC - II) of NMEDT
held on 20th and 21st May 2026 through video conferencing mode**

S.no	Name	Designation	Email ID	Contact No	Organization
1	Shri. Pradeep Singh	Dy. Director General, GSI, Kolkata	ddg.it@gsi.gov.in	9810233957	Chairman, TCC -II
2	Dr. S. Ravi	Dy. Director General, GSITI, Hyderabad	s.ravi1@gsi.gov.in	9441138834	Chairman, TCC-1
3	Shri. Sanjay Singh	Director, GSI, Western Region, Jaipur	sanjay.singh3@gsi.gov.i n	9928860884	Member Secretary TCC-II
4	Shri. B S Jodha	Dy. Director General (Retired), GSI	jodha1961@gmail.com	9414023478	Member TCC-II
5	Shri. Sunil Kumar Vashisth	GM (Retired), Hindustan Zinc Limited, Udaipur	sunilhzi@gmail.com	9829059236	Member TCC-II
6	Shri M. K. Patel	Dy. Director General (Retired), GSI	patelmk27@gmail.com	9040011231	Member TCC-II
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8	Shri. D. S. Jeere	Director, GSI, RSAS Bengaluru.	dattatreya.jeere@gsi.gov.in		Member TCC-II
9	Dr. M. K. Mukherjee	Associate Professor IIT (ISM) Dhanbad	mrinal@iitism.ac.in	9431711148	Member TCC-II
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24	Prembabu	Technical Area Expert (Geo)	prembabu_singh@yahoo.com	9422477401	PRB Infraprojects Private Limited
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51	Shri Sayandeep Chakraborty	Asst Manager (Geology)	Sayanchak2011@gmail.com	9038956935	MECL
52	Shri Monu Tomar	Sr. Geophysicist	nmet.mines@gov.in	9467728411	NMEDT
53	Shri Manish Kumar	Geophysicist	nmet.mines@gov.in	9652258670	NMEDT

Signature

Signature
30/05/2026

Signature

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Peer Review Requested for
Draft GR

Subject: Allotment of the External Peer Reviewer for the project titled Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Area in Katni District of Madhya Pradesh (Proposed Area 22.52 km²)

From: Indraneel Dawande<engeotech@rediffmail.com> on Mon, 25 May 2026 14:31:19

To: "Monu Tomer"<sr.geophysicist-nmet@gov.in>,"nmet-mines"<nmet-mines@gov.in>

Dear Sir,
Greetings from Engeotech Consultant.

We would like to inform you that the exploration work for the project titled **Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Area in Katni District of Madhya Pradesh (Proposed Area 22.52 km²)** has been successfully completed along with requisite laboratory studies. The Geological Report (GR) for the Nanhwara Limestone Block has been finalized from our end and is now ready for peer review. In this regard, we kindly request you to initiate the peer review process at your earliest convenience. Further we would like to inform the presentation for Nanhwara Limestone Block has been done during 29th TCC-II meeting, scheduled was on 20th May 2026 and we have request up to 30-6-2026 extension to submit final report. We assure you of our cooperation and prompt support in providing any additional data or clarifications required during the review process. We look forward to your guidance in taking this forward.

Thanks & Regards,

ENGEOTECH CONSULTANT

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Email: engeotech@rediffmail.com

Website: www.engeotechconsultant.com

Office: 1338, Kachnar City Road, Vijay Nagar, Jabalpur-482002 M.P.

Notified Private Exploration Agency (by Min. of Mines, Govt. of India)

Accredited by NABET (A-Category Exploration Agency)

ISO 9001:2015 Certified

From: Monu Tomer <sr.geophysicist-nmet@gov.in>

Sent: Mon, 18 May 2026 17:07:30

To: "DDG IT" <ddg.it@gsi.gov.in>, "S RAVI" <s.ravi1@gsi.gov.in>, "jodha1961" <jodha1961@gmail.com>, "DATTATREYA JEERE" <dattatreya.jeere@gsi.gov.in>, "SANJAY SINGH" <sanjay.singh3@gsi.gov.in>, "DILLIP RANJAN KANUNGO" <codo@ibm.gov.in>, "patelmk27" <patelmk27@gmail.com>, "mrinal" <mrinal@iitism.ac.in>, "sunilhzl" <sunilhzl@gmail.com>, "ravi_g" <ravi_g@hindustancopper.com>, "pmaharana" <pmaharana@rediffmail.com>, "ANOOP KUMAR" <anoop.kumar2@gsi.gov.in>, "tssunilkumar" <ts.sunilkumar@gmail.com>, "SUDEEP TOPPO" <sudeep.toppo@gsi.gov.in>, "Ad-tech-cgm(GoG-CGM Dept.)" <ad-tech-cgm@gujarat.gov.in>, "DGM Geology" <geology.dgm@mp.gov.in>, "Director Geology & Mining" <dirgeomn@mp.nic.in>, "dmgoms uda mg" <dmgoms.uda.mg@rajasthan.gov.in>, "director uda mg" <director.uda.mg@rajasthan.gov.in>, "dgmassam" <dgmassam@gmail.com>, "directorgeology odisha" <directorgeology_odisha@yahoo.in>, "geology ig" <geology.ig@orissaminerals.gov.in>, "Dmgtg Mines" <dmgts-mines@telangana.gov.in>, "KUMAR AMITABH" <dir-geology@jharkhandmail.gov.in>, "Rahul Sinha" <director-mines@jharkhandmail.gov.in>, "dmrdirector" <dmdrdirector@gmail.com>, "geominenaga" <geominenaga@gmail.com>, "dgm" <dgm@mahadgm.gov.in>, "director" <director@mahadgm.gov.in>, "W.B.Chandra Sekhar" <dmgap@ap.gov.in>, "ceomerit1" <ceo.merit1@gmail.com>, "dgm.cg" <dgm.cg@nic.in>, "dgm.cg" <dgm.cg@gov.in>, "dir-mines" <dir-mines@karnataka.gov.in>, "subrata sarkar" <subrata.sarkar@gemcokati.com>, "anshul" <anshul@vardan.co.in>, "exploration" <exploration@vardan.co.in>, "praveen" <praveen@geomarinesolutions.in>, "gm-exploration" <gm-exploration@mecl.co.in>, "GM Exploration" <gm-exploration@mecl.gov.in>, "rajibdeb" <rajib.deb@tatasteel.com>, "M P State Mining Corp Bhopal" <info.mpsmc@mp.gov.in>, "engeotech" <engeotech@rediffmail.com>, "criticalmineraltrackers" <criticalmineraltrackers@gmail.com>, "info" <info@enkayenviro.com>, "prbinfraprojects" <prbinfraprojects@gmail.com>, "apcdrilling" <apcdrilling@gmail.com>, "renukesh" <renukesh@geoexpore.com>, "mansi" <mansi@geoexpore.com>, "md" <md@gemsgroup.in>, "pundarikaraod" <pundarikarao.d@gts-india.com>

Cc: "Director General NMET" <dg-nmet@gov.in>, "geetika.sharma" <geetika.sharma@gov.in>, "Manish Kumar" <geophysicist-nmet@gov.in>

Subject: VC meeting link for the 29th TCC-II meeting scheduled on 20th and 21st May 2026 and Agenda

Respected Sir/Madam,

Please find attached list of Agenda to be discussed during 29th TCC-II meeting, scheduled on 20th and 21st May 2026. The VC link for the said meeting is provided below.

<https://gsi.webex.com/gsi/j.php?MTID=m00b5f6abe16387612e32dd1d6d777a44>

29th Meeting (TCC-II)

Monday, **May 20, 2026 9:00 AM** (UTC+05:30)

Occurs from **20/05/2026 to 21/05/2026** from **9:00 AM to 7:30 PM** (UTC+05:30)

Meeting number: **2510 747 4205**

Password: **2456**

Dial 25107474205@gsi.webex.com

With Regards,

Monu Tomer

Sr. Geophysicist,

(for Director (Projects)& HoD)

NMEDT-Secretariat

Ministry of Mines

New Delhi-110011

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Peer Reviewer allotted by
NMEDT

**Government of India
Ministry of Mines
National Mineral Exploration and Development Trust**

F.No.44/1/2017-NMET/923

New Delhi, 02, June, 2026

To,

Shri Indraneel Dawande
Director, M/s Engeotech Consultant
1338, Kachnar City Road,
Vijay Nagar, Jabalapur-482002, Madhya Pradesh

Subject: Nomination of external peer reviewer to review the geological report submitted by M/s Engeotech Consultant -reg. (Ref: email dated 25.05.2026)

In reference to the above referred email, the geological report on "Reconnaissance Survey (G4) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh." may be submitted to the peer reviewer **Sh. S. M. J Basha, Director (Retd.), GSI.**

2. It is requested to send one hard copy of the above geological report to nominated peer reviewer mentioning a timeline of 15 days to submit the comments with intimation to NMEDT Secretariat.
3. The peer reviewer must ensure that the geological report along with annexures, images, shapefiles, text and pdf files adheres to the prescribed schema as per the MERT format of NGDR, so that the report is complete in all respect for uploading in NGDR portal.
4. It is also requested to pay the honorarium amount ₹30,000/- for reviewing the report to peer reviewer.

This is with the approval of competent authority.


(Monu Tomer)
Senior Geophysicist
for DS & HoD, NMET
Ministry of Mines

Copy to:

Shri. S. M. J Basha, Director (Retd.), GSI
Address-Ashraf Manzil, 3rd floor, Lakshmi Nagar, Road No 2,
Opp. Viviana Apartment, Mansoorabad, LB Nagar Hyderabad-500065
(Email: bashasmj@gmail.com, Mob: 9441496703),
(Request to submit the comments within timeline of 15 days).

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4th Review in 9th PSC (Draft
GR & timeline extension)

Ministry of Mines
National Mineral Exploration & Development Trust
Agenda for 9th Project Sanctioning Committee (PSC) meeting, NMEDT
to be held on 03.06.2026 at 11:00 AM

The 9th meeting of Project Sanctioning Committee (PSC) will consider the project proposals recommended during the following meetings:

- The 94th, 95th, 96th and 97th meeting of TCC-1, held on 16th-18th April 2026, 27th-28th April 2026, 11th-13th May, 2026 and 25th-26th May, respectively.
- The 28th and 29th meeting of TCC-2, held on 7th-8th May 2026 and 20th and 21st May 2026, respectively.

These projects will be reviewed for a suitable decision.

Technical-cum-Cost Committee-1 (TCC-1)

Agenda 9.1: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committee-1 (TCC-1)

TCC-1 has recommended following 13 mineral exploration projects proposal with an estimated cost of Rs. 1476.46 crore for approval of PSC.

Amount in Rs. Lakh								
Sl. No.	Project/Block Name	Area (in km ²)	Agency	Commodity	Stage	Duration (months)	Cost	TCC Observations
1	Reconnaissance Survey(G4) For REE& RM mineralization in Variya-Bhakri Kheda Block, Balotra District, Rajasthan [95 th TCC-1]	20.7	M/s Enkay Enviro Services Pvt. Ltd.	REE & RM	G4	6	149.53	G4 exploration carried out by GSI in FS 2022-23 has reported high values of TREE i.e. 2929 ppm and TREE+Y i.e. 3344 ppm within rhyolite hosting ferrous veins at a depth of 65-90m. Another G4 exploration was carried out by GSI in FS 2023-24 in the adjacent area where TREE+Y values varies from 1000 to more than 2000 ppm. Considering the above facts, the proposal has been recommended. GSI later informed that the block is under consideration of EL auction. Hence it can be deferred.
2	Reconnaissance survey (G4) for Graphite in Majhiguda Area, Rayagada District, Odisha [95 th TCC-1]	127.11	M/s MMPL Private Limited	Graphite	G4	10	166.02	DMG Odisha has carried out investigation in that area and has reported occurrences of graphite with FC values ranging from 3.70% to 10.2%. GSI has carried out investigation in 1983-85 and delineated 2 graphite bands in which FC values ranges from 4.56% to 21.38%. This block has been carved out from the legacy report and allotted to MMPL Pvt. Ltd. in the 3rd Joint TCC meeting.

3	Preliminary Exploration (G-3) for Aluminous Laterites, Bauxite and associated critical minerals, Sukhpur Block, District: Deva Bhumi Dwarka, State: Gujarat [95th TCC-1]	10.70	M/s. APC Drilling & Construction Private Limited	Aluminous Laterites, Bauxite and associated critical minerals	G3	08	113.34	GSI has carried out exploration in 1972-76 and has intersected bauxite horizons in 88 boreholes. CGM Gujarat has identified several non overlapping blocks of bauxite and limestone and has provided NoC to the agency for undertaking G4 stage bauxite investigation in the area. Analytical results of the collected samples indicate Al_2O_3 values ranging from 16.45% to 25.29%, Fe_2O_3 from 21.71% to 47.98%, TiO_2 from 0.90% to 1.62%, and vanadium values between 370 ppm and 570 ppm. Based on the above facts, the block has been recommended for G3 stage investigation by the TCC.
4	Preliminary Exploration (G-3) for Limestone in Balej Block, District: Porbandar, State: Gujarat [95th TCC-1]	2.60	M/s. APC Drilling & Construction Private Limited	Limestone	G3	06	60.46	CGM Gujarat carried out investigation in FS 1983–84 for limestone in the area. A resource of 9.67 million tonnes were estimated. CGM Gujarat has identified several non overlapping blocks of bauxite and limestone and has provided NoC to the agency for undertaking G3 stage limestone investigation in the area. Preliminary field investigations and sample analysis carried out by the agency yielded CaO values ranging from 48.53% to 55.66% and SiO_2 values from 1.75% to 8.29%. Based on the above facts, the block has been recommended for G3 stage investigation by the TCC.

5	Preliminary Exploration (G3) for Limestone in Mander Block, District: Porbandar, State: Gujarat [95th TCC-1]	9.39	M/s. APC Drilling & Construction Private Limited	Limestone	G3	10	123.06	CGM Gujarat carried out investigation in FS 1983–84 for limestone in the area. A resource of 9.67 million tonnes were estimated. CGM Gujarat has identified several non overlapping blocks of bauxite and limestone and has provided NoC to the agency for undertaking G3 stage limestone investigation in the area. Analytical results of the samples collected by agency indicate CaO values ranging from 42.89% to 50.02% and SiO₂ values from 1.84% to 5.68%. Based on the above facts, the block has been recommended for G3 stage investigation by the TCC.
6	Preliminary Exploration (G-3) for Manganese and associated minerals in Dulhapur Block, Districts: Balaghat & Seoni State: Madhya Pradesh [95th TCC-1]	3.00	M/s. APC Drilling & Construction Private Limited	Manganese	G3	10	176.14	GSI has carried out G4 stage investigation in the area during FS 2023-24 and delineated 03 prospective manganese zones where Mn values ranges from 9% to 44%. Based on the above facts G3 stage investigation has been recommended by TCC.
7	Reconnaissance Survey (G4) for Glauconitic Sandstone in Kelhura Block (56.88 sq. km), District: Satna, Madhya Pradesh [96th TCC-1]	56.88	MECL	Glauconitic Sandstone (Potash)	G4	10	152.01	GSI carried out exploration in the Pindra North Block during FS 1984–85 over ~12 sq. km. and estimated 266 MT reserves with 4.90% K₂O, indicating significant glauconite potential. MECL carried out G4 survey in the Pindra SW Extension Block and estimated 1,918 MT resources with 6.96% K₂O, while G3-stage exploration in Deulha and Jhari blocks has established 317.04 MT

								@ 6.80% K₂O and 104.20 MT @ 6.04% K₂O resources. MECL also carried out G4-stage reconnaissance survey in the Kisanpur Block and Pindra SW Extension Block, and estimated 1,505.26 MT potential resources with an average 6.67% K₂O. Based on the encouraging results from the adjoining blocks, MECL has proposed G4 stage investigation in the southern part of Kisanpur block and Pindra block. Based on the above facts, the proposal has been recommended by TCC.
8	Preliminary Exploration (G3) for Limestone in Patharia Block, Districts: Sagar and Damoh, Madhya Pradesh [96th TCC-1]	15.2	M/s Unised Research Consultants Private Limited	Limestone	G3	10	132.35	GSI carried out G4 stage limestone investigation in and around the area during FS 2023– 24. Nagod limestone showed CaO value up to 47.96% and Lameta limestone up to 47.89%. Agency have collected 07 samples in which CaO values ranges from 22% to 50% suggesting both low- and high-grade limestone horizons, while MgO values ranging from 0.89% to 8.01% indicate localized dolomitic phases. Based on the above facts, the block has been recommended by the TCC.
9	Reconnaissance Survey (G4) for REE & RM mineralization in Paladugu Area,	100	M/s GMMCO Technology Services Ltd.	REE & RM	G4	10	112.76	GSI has carried out geological mapping on 1:25,000 scale in and around the area and has reported pegmatites intruding granitic host rocks contains

	Khammam District, Telangana [96th TCC-1]							TREE values ranging from 602.68 ppm to 2644.46 ppm with an average of 1531.70 ppm. The REE assemblage in the area is characterized by dominant LREE enrichment, with allanite identified as the principal REE-bearing mineral phase within the pegmatites. The agency subsequently collected 04 bedrock samples from potassic-rich granite and allanite-bearing pegmatites, which shows significant TREE concentrations ranging from 2128 ppm to 4082 ppm, substantiating the REE potential of the area. Based on the above facts the proposal has been recommended by TCC.
10	Reconnaissance Survey for REE & RM mineralization in Seethampuram area, Badradi Kothagudem District, Telangana [96th TCC-1]	84	M/s GMMCO Technology Services Ltd.	REE & RM	G4	10	105.32	GSI has carried out geological mapping on 1:25000 scale in and around the area and has reported significant TREE enrichment in feldspathic and younger granites with values of 3452 ppm and 3387 ppm, respectively. The agency carried out field visits in Reguballi, Narsapuram and Seethampuram areas and has collected samples from porphyritic granite, calc-silicate rocks and allanite-bearing pegmatites which exhibits TREE values of 241 to 4081.8 ppm. Based on the above facts, the proposal has been recommended by TCC.

11	Preliminary Exploration (G3) of Bauxite in Dakor Block (2.10 Sq. Km.), District: Kheda, Gujarat [96th TCC-1]	2.10	M/s GEMS Project Pvt. Ltd.	Bauxite	G3	08	72.94	GSI has carried out investigation for bauxite and associated minerals during FS 1969–70. The investigation identified promising bauxite occurrences at Ratnagar Hill and Amratpura–Kajipura areas along with sub-bentonite clay (shale) occurrences near Mirapura and Mohamadpura area. CGM Gujarat has also carried out investigation in 1970-71 and has identified bauxite mineralisation in the area. CGM Gujarat has identified several non overlapping blocks of bauxite and limestone and has provided NoC to the agency for undertaking bauxite investigation in the area. Based on the above facts, the proposal has been recommended by TCC.
12	Reconnaissance Survey (G4) for Bauxite and Associated Minerals in Mirapur area, District: Kheda, Gujarat [96th TCC-1]	15.85	M/s GEMS Project Pvt. Ltd.	Bauxite and associated minerals	G4	06	61.81	CGM Gujarat carried out exploration for bauxite and laterite in and around the area during FS 1998–99. 08 pockets of bauxite associated with laterite were delineated with 52% Al₂O₃ value. In pit samples, value of Al₂O₃ is 52% was observed and a resource of 1.48 MT was estimated. The agency carried out field visit in the area and collected 03 bedrock samples which shows Al₂O₃ values ranges from 30.58% to 35.68%. CGM Gujarat provides NoC for carrying out bauxite exploration in the area.

								Based on the above facts, the proposal has been recommended by TCC.
13	Reconnaissance Survey (G4) for Bauxite and Associated Minerals in Talpoda area, District – Kheda, Gujarat [96th TCC-1]	10.10	M/s GEMS Project Pvt. Ltd.	Bauxite and associated minerals	G4	06	50.72	CGM Gujarat carried out exploration for bauxite and associated minerals in Amratpura-Kajipura area during FS 1969-70 and identified that the area is promising for bauxite. CGM Gujarat further carried out exploration in FS 1986-87 in Ambaliyara and Amipur area and has estimated bauxite reserve of about 2.863 MT. Detailed Mineral Survey during FS 1999–2000 delineated three additional bauxite pockets at Taibpura village with estimated reserves of 0.728 million tonnes and Al₂O₃ values ranging from 42% to 45%. The agency carried out field visit and collected 03 bedrock samples from the area, wherein analytical results indicated Al₂O₃ values ranging from 29.56% to 33.13% CGM Gujarat provides NoC for carrying out bauxite exploration in the area. Based on the above facts, the proposal has been recommended
						Total	1476.46	

[This is for approval of PSC]

Agenda 9.2: Approval of exploration projects of GSI recommended by TCC-1

TCC-1 at its 94th meeting has recommended the following 18 mineral exploration projects of GSI with an estimated cost of Rs. 6242.22 crore for approval of PSC. Only outsourced components like drilling, survey etc. have been considered for funding.

		Amount in Rs. Lakh				
Sl. No.	Project/Block Name	Region	Commodity	Stage	Date of completion	Cost
1	Preliminary Exploration (G3) for Potash in Kandhwala- Ramsara Block, Fazilka District, Punjab [94th TCC-1]	NR	Potash	G3	31.03.2027	384.68
2	Reconnaissance Survey (G4) For Potash and Halite Minerals in Kera Khera Block, Fazilka District, Punjab [94th TCC-1]	NR	Potash	G4	31.03.2027	384.68
3	Reconnaissance Survey (G4) for Potash and Halite minerals in Saiyadwala Block, Fazilka District, Punjab [94th TCC-1]	NR	Potash	G4	31.03.2027	384.68
4	General Exploration (G-2) For REE and Associated Mineralization in the East of Gugrot Block, Balotra District, Rajasthan [94th TCC-1]	WR	REE and associated minerals	G2	31.03.2027	649.00
5	Preliminary (G-3) Exploration for REE and Associated Mineralisation in The East of Thapan Block, Balotra District, Rajasthan [94th TCC-1]	WR	REE and associated minerals	G3	31.03.2027	625.38
6	Preliminary Exploration (G3) For REE and Associated Mineralisation in Muthli Block, Balotra District, Rajasthan [94th TCC-1]	WR	REE and associated minerals	G3	31.03.2027	696.67
7	Preliminary Exploration (G-3) For REE and Associated Mineralisation in Northeast of Muthli Block, Balotra District, Rajasthan [94th TCC-1]	WR	REE and associated minerals	G3	31.03.2027	343.55
8	Preliminary Exploration (G-3) For REE and Associated Mineralisation in The North of Muthli Block, Balotra District, Rajasthan [94th TCC-1]	WR	REE and associated minerals	G3	31.03.2027	516.14

9	General Exploration (G2) For Gold and Associated Mineralization in Amrapur West Block, Hungund-Kushtagi Schist Belt, Eastern Dharwar Craton, Koppal District, Karnataka [94th TCC-1]	SR	Gold and Associated Mineralization	G2	31.03.2027	413.00
10	Preliminary Exploration (G3) For REE and Associated Mineralization in Carbonatite-Phoscorite in Chintalacheruvu Block, Palnadu District, Andhra Pradesh [94th TCC-1]	SR	REE and associated minerals	G3	31.03.2027	319.52
11	Preliminary Exploration (G3) For Tungsten and Associated Mineralization in Ghattihosahalli Area, Chitradurga District, Karnataka [94th TCC-1]	SR	Tungsten and Associated Mineralization	G3	31.03.2027	118.00
12	General Exploration (G2) For Molybdenum and Associated Mineralization in Marudipatti South Block, Harur-Uttangarai Molybdenum Belt, Dharmapuri District, Tamil Nadu (G2), T.S. 57 L/8 [94th TCC-1]	SR	Molybdenum and Associated Mineralization	G2	31.03.2027	266.38
13	Preliminary Exploration for Coal in Dahegaon Sector, Wardha Valley Coalfield, Yavatmal District, Maharashtra [94th TCC-1]	CR	Coal	G3	31.03.2027	225.85
14	Preliminary Exploration (G3) For Coal in Deshwari Sector, Kanhan Valley Coalfield, Chhindwara District, Madhya Pradesh [94th TCC-1]	CR	Coal	G3	31.03.2027	244.67
15	Reconnaissance Survey for Coal in Tohogaon Area, Wardha Valley Coalfield, Chandrapur District, Maharashtra [94th TCC-1]	CR	Coal	G4	31.03.2027	169.39
16	Preliminary (G-3) Exploration for Graphite in Dalipadar Block, Nayagarh District, Odisha [94th TCC-1]	ER	Graphite	G3	31.03.2027	150.63
17	Preliminary Exploration for Nickel and Associated Metals to The South of Kansa Village, Sukinda Ultramafic Complex of Jajpur District, Odisha (G3) [94th TCC-1]	ER	Nickel and Associated Metals	G3	31.03.2027	245.06

18	Preliminary Exploration for Graphite and Vanadium in Charwadih Block, Palamu and Latehar Districts, Jharkhand (G3 Stage) [94 th TCC-1]	ER	Graphite and Vanadium	G3	31.03.2027	104.94
					Total	6242.22

[This is for approval of PSC]

Agenda 9.3: Approval for procurement of machinery/equipment/software by DMM, West Bengal from NMEDT Fund for enhancement of exploration activities

The agency had procured ArcGIS software (Arc Map version) from NMEDT fund in the year 2024 for carrying out GIS-based activities such as preparation and scrutiny of geological maps, District Survey Reports (DSR), development of a State-wide Minor Mineral Data Repository, etc. However, the presently available 2D version of the software has become obsolete and ESRI has discontinued its support and updates with effect from 1st March 2026. The agency has informed that support and updates are now being provided only for the ArcGIS Pro version.

Accordingly, DMM, West Bengal has submitted a proposal for upgradation of the existing license to ArcGIS Pro along with Spatial Analyst, 3D Analyst, and ArcGIS Online modules to facilitate advanced mineral exploration and geospatial analysis activities such as terrain analysis, mineral potential mapping, 3D geological modelling, preparation of geological cross-sections, and volumetric estimation of mineral resources.

TCC-1 at its 96th meeting recommended the proposal entitled “Financial assistance to upgrade ArcGIS (Arc Map Version) to Arc GIS pro version” with an estimated cost of Rs. 21.62 lakhs (including GST) and timeline of 12 months, as per the table given below:

Sl. No.	Product Name	Qty	Approximate Price (with GST)
1	UOL Upgrade to Indo ArcGIS Desktop Standard	1	₹6,94,167
2	Indo ArcGIS Pro Extension – SA	1	₹4,35,000
3	Indo ArcGIS Pro Extension – 3D	1	₹4,35,000
4	ArcGIS Online Creator User Type Annual Subscription	3	₹5,98,260
	Total		₹21,62,427

[This is for approval of PSC]

Agenda 9.4: Approval of cost revision of the project entitled “Establishing Advanced Geophysical Laboratory at Geological Survey of India Training Institute (GSITI)”

The proposal for Establishing Advanced Geophysical Laboratory at GSITI was approved by Chairman, EC followed by ratification in 43rd EC meeting of NMEDT held on 14.08.25. The approved cost of the project was Rs. 3.53 crore with a timeline of 12 month. The details of approved components for Advanced Geophysical Laboratory at GSITI is given below in Table-1:

Table-1: Approved components for Advanced Geophysical Laboratory at GSITI

Sl. No.	Components	Estimated Cost (INR) (including GST)
1.	Computer systems (25 No.)	Rs. 92,12,496
2.	One Work station and UPS	Rs. 6,51,569
3.	INTREPID and GEOMODELLER software (25 licenses) including training for 2 years	Rs. 2,42,49,000
4.	86 inch Digital display (1 No.)	Rs. 2,45,000
5.	Infrastructure	Rs. 9,44,150
	Total	Rs. 3,53,02,215/-

GSITI informed that during the procurement and execution phases, additional functional requirements, infrastructural changes, and market-driven cost escalations were identified. Consequently, certain modifications to the originally approved proposal and inclusion of additional components became necessary to ensure that the laboratory fully meets its functional, operational, and training objective. The modifications in the procurement are mentioned below:

- a. Due to the escalated price for computer systems driven by Rising Component Costs, Global Supply Chain Constraints, Currency Exchange Volatility, Higher Logistics and Import Expenses, OEM and Vendor Price Revisions, an additional cost of Rs.55,80,968/- is needed for procurement of 25 nos. of High End Computer System.
- b. Considering the increased hall dimensions, an upgrade from the proposed 86-inch digital display to 110-inch digital display is required to ensure clear visibility and effective delivery of training sessions for all participants. It requires an additional cost of Rs. 7,78,959.99/- for upgrading the display size.
- c. Additional two PTZ camera-based audio-visual communication system and LAN switches with cabinet router is also required for the Advanced Geophysical Laboratory to support hybrid training, online lectures, live streaming, recording of

technical sessions, and effective interaction with remote participants. The cost of the additional items are Rs. 598695/-.

Therefore, the revised cost of the proposal including additional component is given below in Table-2:

Sl. No.	Item	Approx. cost (including 18% GST)	Procurement Status	Escalation in Price	Remarks
1.	Computer systems (25 No.)	Rs.92,12,496/-	Financial sanction obtained from DG, GSI, L1 price quoted is Rs.1,47,93,464/-	Rs.55,80,968	The projection price of Rs.92,12,496 was made in February,2025 and since then due to Rising Component Costs, Global Supply Chain Constraints, Currency Exchange Volatility, Higher Logistics and Import Expenses, OEM and Vendor Price Revisions
2.	One Work station and UPS	Rs.6,51,569	Rs.6,51,569	-Rs.29,705/- (Remaining)	Procured @ Rs.6,21,864
3.	INTREPID and GEOMODELLER software (25 licences)	Rs.2,42,49,000	Rs.2,42,49,000		Procured.
4.	86 inch Digital display (1 No.)	Rs.2,45,000	Upgraded to 110 inch display along with Stand Rs.10,23,959.99	Rs.7,78,959.99	Dimension of the hall has increased from 29 × 19 feet to 49x19
5.	Infrastructure	9,44,150	9,44,150	- Rs. 19,097.38/- (Remaining)	Procured, Rs.9,25,052.62
Additional Components				Approx. Price (Including GST)	
6.	PTZ Camera-Based Audio-Visual Communication System	PTZ camera (2Nos.)-Rs. Rs.3,51,640 Goose Neck Microphone (2Nos.)-Rs.75,520 Microphone cum Speaker(02	Need Financial sanction from NMEDT for Rs.5,70,595	Rs.5,70,595	To support hybrid training programmes, online lectures, live streaming, recording of technical sessions, and interactive demonstrations

		Nos)- Rs.1,43,435			
7.	LAN Switches with Cabinet and Router	Rs.28,100	Need Financial sanction from NMEDT for Rs.28,100/-	Rs.28,100	to ensure secure, reliable, and high-speed connectivity
Escalated Price				Rs.69,09,820.61	

GSITI also informed that INTREPID and GEOMODELLER software (at SI. No. 3) has already been procured and the bills were also submitted to NMEDT Secretariat and was cleared. Independent External Monitors (IEM) of GSI has sought clarification regarding approval of the competent authority for procurement of Intrepid and Geomodeller software on Proprietary Article Certificate (PAC) basis. Accordingly, GSITI has requested to mention that procurement may be done on PAC basis, to avoid any audit objection in future, in the revised sanction order.

Accordingly, TCC has recommended the following for approval of PSC, NMEDT

- Cost enhancement from Rs. 3,53,02,215/- to Rs. 4,22,12,035.61/-, i.e. an additional cost of Rs. 69,09,820.61/-.
- Procurement of additional components as per Table 2.

[This is for approval of PSC]

Agenda 9.5: Approval of cost revision of ongoing exploration projects with timeline extension (if any), recommended by TCC-1

TCC-1 has recommended cost revision with timeline extension of following 04 projects for approval of PSC.

S. No.	Block/Project	Agency	Approved cost (Rs.) (in lakh)	Revised cost (Rs.) (in lakh)	Change in Cost (Rs.) (in lakh)	Time line extension	Remarks
1	Preliminary exploration (G3) for rare earth elements and associated mineralization in North of Kuship Block, Balotra District, Rajasthan. [95th TCC-1]	M/s Ocean Drilling and Exploration Private Limited	682.36	684.80	2.44	-	During initial approval, analysis of trench samples were included while trenching component was not included. TCC has included the trenching of 50 cu. m. in the cost sheet.
2	Reconnaissance Survey (G4) for REE & RM (Sc, Nb) mineralisation in Samalpatti, Krishnagiri District, Tamil Nadu.	KIOCL	134.16	61.56	(-) 72.6	04.05.26	Cost revised due to reduction in drilling target from 500m to 140m and related activities.

	[95th TCC-1]						Timeline extension required for submission of GR. (GR submitted by the agency)
3	Preliminary Exploration (G-3) for Aluminous Laterite, Vanadium and Associated Minerals (V, Ga & REE) in Kallar Block, Kasaragod District, Kerala [96th TCC-1]	MECL	122.72	115.13	(-) 7.59	31.08.26	Cost revised as outsourced drilling has been considered instead of in-house drilling. Timeline extension required to complete the work and submission of GR.
4	Preliminary Exploration (G-3) for Aluminous Laterite, Vanadium and Associated Minerals in Kolathur Block, Kasaragod District, Kerala [96th TCC-1]	MECL	180.99	177.10	(-) 3.89	31.08.26	Cost revised as outsourced drilling has been considered instead of in-house drilling. Timeline extension required to complete the work and submission of GR.

[This is for approval of PSC]

Agenda 9.6: Approval of pre-closure of ongoing exploration projects along with timeline extension (if any) and cost revision (if any)

TCC-1 has recommended of pre-closure of 04 ongoing exploration projects along with timeline extension (if any) and cost revision (if any) for approval of PSC:

Sl. No.	Block/Project	Agency	Approved on	Duration (in months)	Approved cost (Rs. in lakh)	Revised cost (Rs. in lakh)	Cost change (Rs. in lakh)	Timeline extension	Remarks
1	Reconnaissance Survey (G-4) for Manganese around Kandhal area of Rairakhol Tahasil of Sambalpur District, Odisha [96th TCC-1]	DMG Odisha	38 th EC (SO issued on 13.12.2024)	10	73.94	30.08	(-) 43.86	-	Forest Dept. informed that an elephant corridor is passing through the area and drilling activities may lead to ecological disturbance.

									Cost revised due to drop of drilling target.
2	Keluamali, District-Kalahandi, Odisha (Bauxite, G3) [96 th TCC-1]	OMC	11 th EC (SO issued on 12.2.19)	12-14	339.05	-	-	30.6.26	Pre-closure is required due to local agitation Timeline extension is required for submission of GR
3	Majhingamali, District-Raygada & Kalahandi, Odisha (Bauxite, G3) [96 th TCC-1]	OMC	11 th EC (SO issued on 12.2.19)	10-12	187.93	-	-	30.6.26	Pre-closure is required due to local agitation Timeline extension is required for submission of GR
4	Preliminary exploration (G3) for Ni, Co, PGE and REE/Associated Minerals in JC Pura Mafic-Ultramafic Schist Belt Near Rampura and Gollarahatti (RG) Block, Hassan District, Karnataka [96 th TCC-1]	Geoexpore Pvt. Ltd.	29 th EC (SO issued on 17.4.23)	10	0.83	-	-	30.6.26	Pre-closure is required due to local agitation Timeline extension is required for submission of GR. (DGM, Karnataka has submitted documents confirming the intense local agitation)

[This for approval of PSC]

Agenda 9.7: Approval of timeline extension of ongoing exploration projects, recommended by TCC-1:

TCC-1 has recommended timeline extension of following 22 mineral exploration project, for approval of Project Sanctioning Committee for approval of PSC.

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Sanction Order and originally approved timeline details	Remarks
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1	Reconnaissance Survey (G4) for graphite in Khairmal Block (83.34 sq. Km) in Bolangiri district of Odisha [94th TCC-1]	OMC	31.3.26	30.6.2026	S.O issued on 13.12.24 Original approved Scheduled Date of Completion was 12.10.25	Completion of work and submission of GR
2	Reconnaissance Survey (G4) for graphite in Dhourakhaman Block (60 sq. Km) in Bolangiri district of Odisha [94th TCC-1]	OMC	31.3.26	30.6.2026	S.O issued on 13.12.24 Original approved Scheduled Date of Completion was 12.10.25	Completion of work and submission of GR
3	Preliminary Exploration (G3) for REE mineralization in Maravapaliyam Block, Tiruppur District, Tamil Nadu [95th TCC-1]	MECL	21.04.26	21.07.26	S.O issued on 22.10.24 Original approved Scheduled Date of Completion was 21.10.25	To complete the work and submission of GR. <i>(Drilling not initiated due to local agitation)</i>
4	Preliminary Exploration (G3) for Bauxite, Titanium, and Associated Minerals Harhapat block, Gumla, Jharkhand [95th TCC-1]	JEMCL	28.02.26	15.07.26	S.O issued on 28.10.24 Original approved Scheduled Date of Completion was 27.08.25	For submission of GR <i>(Delay was mainly due to objections from local villagers and landowners during installation and inter site mobilisation of drilling rigs)</i>
5	Deep Seismic Reflection Survey (DSRS) & Magnetotelluric (MT) Survey along Churu (Rajasthan) to Tikamgarh (Madhya Pradesh), Northern Transect under the project UNCOVER India [96th TCC-1]	GSI-NGRI	28.12.26	31.03.28	S.O issued on 29.12.23 Original approved Scheduled Date of Completion was 28.12.26	For completion of project and submission of GR <i>(Extension is required for retendering, award of work and completion of DSRS work including interpretation, integration and</i>

						<i>submission of report)</i>
6	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities [96th TCC-1]	DMG Karnataka	30.04.26	31.01.27	S.O issued on 24.03.23 Original approved Scheduled Date of Completion was 23.03.24	To complete the procurement of WD-XRF and Rock cutting polishing and mounting unit.
7	Reconnaissance Survey (G-4 stage) for Graphite and Vanadium in Matena-Sirar Area, Almora District, Uttarakhand [96th TCC-1]	M/s Geovale Services Pvt. Ltd.	9.07.25	30.06.26	S.O issued on 21.08.24 Original approved Scheduled Date of Completion was 20.08.25	For submission of GR
8	Reconnaissance Survey (G-4 stage) for Basemetal in Thal-Didihat-Askot area, Pithoragarh District, Uttarakhand [96th TCC-1]	M/s Geovale Services Pvt. Ltd.	31.05.26	31.08.26	S.O issued on 21.08.24 Original approved Scheduled Date of Completion was 20.08.25	For completion of drilling, chemical analysis and GR submission (Drilling delayed due to rugged terrain)
9	Preliminary Exploration for Limestone in Indroi-Mandor block, Gir Somnath District, Gujarat [96th TCC-1]	CGM Gujarat	25.02.26	31.07.26	S.O issued on 26.06.25 Original approved Scheduled Date of Completion was 25.02.26	For completion of work and submission of GR
10	Preliminary Exploration for Limestone in Harnasa-Umbri block, Gir Somnath District, Gujarat [96th TCC-1]	CGM Gujarat	25.02.26	31.07.26	S.O issued on 26.06.25 Original approved Scheduled Date of Completion was 25.02.26	For completion of work and submission of GR
11	Preliminary Exploration for Limestone in Govindpara-Savni Block, Gir Somnath District, Gujarat [96th TCC-1]	CGM Gujarat	25.12.25	31.07.26	S.O issued on 26.06.25 Original approved Scheduled Date of Completion was 25.12.25	For completion of work and submission of GR

12	Reconnaissance Survey (G4) for Iron Ore in Nawagarh-Nelsod-Antagarh area, District Uttar Bastar Kanker, Chhattisgarh [97th TCC-1]	PRB Infraprojects Pvt. Ltd.	31.05.26	31.08.2026	S.O issued on 3.3.25 Original approved Scheduled Date of Completion was 2.1.26	For GR submission
13	Preliminary Exploration (G-3) for Bauxite and associated minerals in Julrai Block, District-Kachchh, Gujarat [97th TCC-1]	MECL	4.5.26	31.05.2026	S.O issued on 5.3.25 Original approved Scheduled Date of Completion was 4.5.26	For GR submission
14	Preliminary Exploration of Iron ore and associated minerals in Bamuri Area, Sidhi MP [97th TCC-1]	MMPL Pvt. Ltd.	15.6.26	30.09.2026	S.O issued on 6.1.25 Original approved Scheduled Date of Completion was 5.2.26	For GR submission
15	Reconnaissance Survey for Graphite in Dumburuneli Area, Rayagada, Odisha [97th TCC-1]	MMPL Pvt. Ltd.	31.05.26	31.07.2026	S.O issued on 10.2.25 Original approved Scheduled Date of Completion was 9.12.25	For submission of GR
16	Preliminary Exploration (G3) for Nickel, Chromium & Rare Metals in Vemula Block, YSR (Kadapa) District, Andhra Pradesh [97th TCC-1]	MTCS	30.06.26	31.08.2026	S.O issued on 1.7.25 Original approved Scheduled Date of Completion was 30.6.26	For submission of GR
17	Reconnaissance Survey (G4 Stage) for Iron ore in Yaparlapadu - Dhone Area, Kurnool & Nandyal Districts, Andhra Pradesh [97th TCC-1]	Critical Mineral Trackers	30.04.26	31.08.2026	S.O issued on 1.7.25 Original approved Scheduled Date of Completion was 30.4.26	For submission of GR
18	Preliminary exploration (G3) for Manganese in Rongha block, Bhandara District, Maharashtra [97th TCC-1]	DGM Maharashtra	30.09.25	30.06.2026	S.O issued on 27.7.22 Original approved Scheduled Date of Completion was 26.10.23	For submission of GR

19	Preliminary exploration for Limestone in Savalhira block (4.04 sq. km), Chandrapur District, Maharashtra. [97th TCC-1]	DGM Maharashtra	30.09.25	30.06.2026	S.O issued on 27.7.22 Original approved Scheduled Date of Completion was 26.10.23	GR
20	Undertaking geochemical analysis of mine samples of Siwana Ring Complex, Rajasthan by IBM through NMEDT fund. [97th TCC-1]	IBM	29.06.26	31.07.2026	S.O issued on 30.3.26 Original approved Scheduled Date of Completion was 29.6.26	For completion of project & submission of GR
21	Preliminary Exploration (G-3 Stage) for limestone in Chokkanathapuram Block, Ariyalur and Perambalur Districts, Tamil Nadu [97th TCC-1]	Geo Exploration and Mining Solutions	30.04.26	15.06.2026	S.O issued on 10.2.25 Original approved Scheduled Date of Completion was 9.12.25	For submission of GR
22	Preliminary exploration (G3 stage) for limestone in Kulumur Block, Ariyalur and Perambalur Districts, Tamil Nadu [97th TCC-1]	Geo Exploration and Mining Solutions	30.04.26	15.06.2026	S.O issued on 10.2.25 Original approved Scheduled Date of Completion was 9.12.25	For submission of GR

[This is for approval for PSC]

Technical-cum-Cost Committee-2 (TCC-2)

Agenda 9.8: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committee-2 (TCC-2)

TCC-2 has recommended following 07 mineral exploration project proposals with estimated cost of Rs. 1154.86 crore for approval of PSC.

								<i>Amount in Rs. Lakh</i>
Sl. No.	Project/Block Name	Area (in km ²)	Agency	Commodity	Stage	Duration (months)	Cost	TCC observations
1	Preliminary Exploration (G3) for Graphite, Base metals and Associated minerals in areas between Limber and Pahlipora villages, Baramulla district, Jammu and Kashmir [28th TCC-2]	3.10	M/S Geo Marine Solutions Pvt. Ltd.	Graphite, Base metals and Associated minerals	G3	15	410.49	GSI had carried out G4 stage exploration in the area during FS 2018–20 and 2020–21. Fixed Carbon (FC) values ranging from 9.98% to 25% in graphite schist. Based on the above facts, TCC has recommended the project. The committee also suggested that DGM and the concerned agency to visit the field area and modify the block based on the ground condition as per the exploration and mining norms and requirement of eco-sensitive zones.
2	Preliminary Exploration (G-3) for Bauxite and Associated Minerals, Lalpursani Block, District: Dindori, Madhya Pradesh [28th TCC-2]	4	M/s S and S Geological Consultants	Bauxite and Associated Minerals	G3	7	95.22	GSI carried out G4 stage of exploration during FS 2022-23 in this area. 17 Bed Rock Sample (BRS) and 7 Pit/Trench Sample (PTS) were analysed from the proposed block. Al ₂ O ₃ ranges from 33.20% to 60.38%, TiO ₂ ranges from 4.99% to 11.20%, V ranges from 182.39ppm to 1347.70 ppm and Ga ranges from 44.74ppm to 105.10ppm. Based on the above facts, TCC has recommended the project.

3	Reconnaissance survey for Bauxite & associated critical minerals in Khedawada area in parts of Sabarkantha District, Gujarat [29th TCC-2]	68	M/s Gemcokati Exploration Private Limited	Bauxite and associated critical minerals	G4	10	98.25	GSI carried out investigation in the area during FS 1961-62 and 1966-67. During survey of bauxite deposits, a total of 5 pits were carried out and 0.27 million tonnes of Bauxite of all grade was assessed. CGM, Gujarat mapped bauxite horizons during FS 1971-72. NGPM results (2020-21) show high Bouguer gravity anomalies and gravity gradient zones in the area. Accordingly, the area was recommended for detailed geological and geophysical investigations to delineate future target zones.
4	Preliminary exploration for Graphite & associated mineralisation in Maramjhiri-Gauthana Block, Betul District, Madhya Pradesh [29th TCC-2]	0.5	M/s Vardan Environet LLP	Graphite and associated minerals	G3	12	364.36	GSI has carried out investigation during FS 2012-13 in Gauthana and Tikari areas and delineated graphite bands into three segments. During FS 2013-14, drilling were carried out and 4.73 MT resource were estimated. The proposed Maramjhiri-Gauthana block covers the northern part of southern graphite band that had explored only up to G4 level. The samples collected from graphite band yielded FC values to a maximum of 15.40%. Southern part of the southern graphite band had been explored up to UNFC G-2 stage & successfully auctioned. <i>The cost is high as compare to the area because of 2050 m drilling and associated sample analysis.</i>
5	Preliminary exploration (G-3 stage) For Bauxite and Associated Minerals in	1.66	M/s Vardan Environet LLP	Bauxite and associated minerals	G3	12	83.44	CGM, Gujarat has given a NOC to take up exploration in the Kalar Vandh Bauxite Block (G-3 stage).

	Kalar Vandh Area, Kachchh district, Gujarat. [29 th TCC-2]							CGM Gujarat has explored the northern part of the area and has estimated bauxite reserve of 1.07 MT with average Al ₂ O ₃ of 35%. GSI had carried out investigation from 1981 to 1985 and informed about the presence of bauxite. Considering the above facts, TCC recommended the proposal.
6	Reconnaissance survey for Bauxite and associated Critical minerals in Kapadvanj block, Kheda District, Gujarat [29 th TCC-2]	47.5	M/s Geo Marine Solution Private Limited	Bauxite and associated critical minerals	G4	10	103.10	CGM Gujarat carried out a detailed geological survey for bauxite around Ladvel, Dujavar, and nearby villages of Kapadvanj Taluka, Kheda District, during FS 1998–99 and delineated 8 bauxite pockets associated with laterite through 1:8000 scale mapping. Chemical analysis of 10 pit samples indicated metallurgical grade bauxite with average Al ₂ O ₃ of 52.03% and estimated reserves of 1.489 million tonnes. Agency has collected 9 samples which exhibits Al ₂ O ₃ value of 42.85%. Apart from that the samples shows encouraging values of trace elements. Considering the above fact, TCC recommended the proposal
Total Cost (A)							1154.86	

[This is for approval of PSC]

Agenda 9.9: Approval of cost revision of ongoing exploration projects with timeline extension (if any), recommended by TCC-2

TCC-2 has recommended cost revision with timeline extension of following 01 projects for approval of PSC.

S. No.	Block/Project	Agency	Approved cost (Rs.) (in lakh)	Revised cost (Rs.) (in lakh)	Change in Cost (Rs.) (in lakh)	Time line extension	Remarks
1	Reconnaissance Survey (G4) Exploration of Copper Bearing Minerals around Musabani, Dumriya, Maheshpur areas in West Singhbhum District, Jharkhand [29th TCC-2]	M/s Natural Resource Division, Tata Steel Ltd	288.14	293.61	5.41	-	Cost enhanced due to additional 50 core samples, along with 5 additional check samples

Agenda 9.10: Approval of revised block boundary of ongoing exploration project, recommended by TCC-2:

The block boundary of 01 mineral exploration project has been recommended for approval of PSC.

S. No.	Block/Project	Agency	Approved area (sq. km)	Modified area (sq. km.)	Remarks
1	Preliminary Exploration (G3) for Graphite in Jhab Block, District-Dahod, Gujarat	MECL	5.73	4.52	Identified Graphite bands extend beyond the present block boundary and continue towards the southern adjoining area. Therefore, the area in the northwest and western part of the block will be discarded.

TCC has also recommended revising the rate for vanadium analysis as per Clause 4.1.7(a), i.e., ₹2,506/- applicable for “First five radicals”, in place of the rate of ₹421/- prescribed for “additional trace element” under Clause 4.1.15(b) of the SoC (2020).

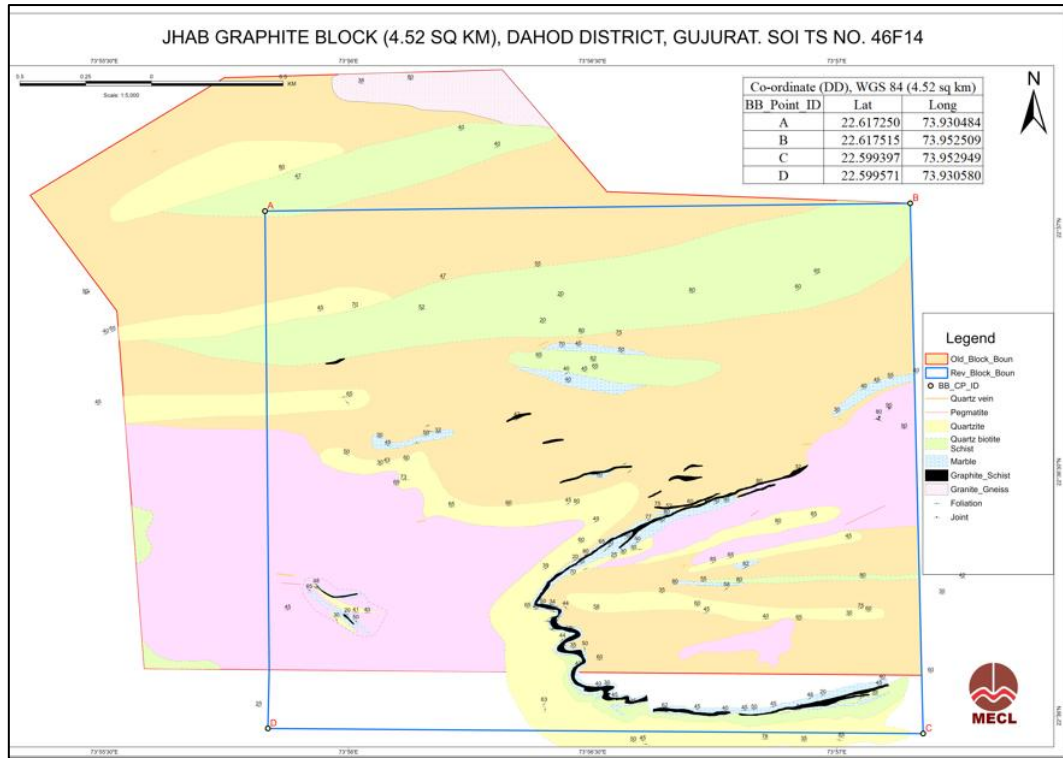


Fig. 1: Showing earlier block boundary along with the revised block boundary (in blue color).

[This is for approval of PSC]

Agenda 9.11: Approval of timeline extension of ongoing exploration/ procurement projects, recommended by TCC-2:

TCC-2 has recommended timeline extension of following 12 mineral exploration/procurement projects, for approval of PSC.

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Sanction Order and originally approved timeline details	Remarks
1	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities [28th TCC-2]	DGM Bihar	31.01.26	31.07.26	S.O issued on 17.04.23 Original approved Scheduled Date of Completion was 16.4.24	To complete the procurement
2	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities [28th TCC-2]	DGM Arunachal Pradesh	30.3.26	30.09.26	S.O issued on 3.04.23 Original approved Scheduled Date of Completion was 02.04.2024	To complete the procurement
3	Financial assistance from NMEDT funds to procure	DGM Telangana	30.04.26	31.10.26	S.O issued on 22.10.24	

	machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities [28th TCC-2]				Original approved Scheduled Date of Completion was 21.10.2025	For procurement and establishment of the Chemical Laboratory. (Secretary, MoM has directed to submit a proposal to MoM to establish the laboratory at GSI Hyderabad)
4	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities [28th TCC-2]	DGM Mizoram (Project 1 and Project 2)	31.03.26	30.9.2026	Project 1 S.O issued on 24.3.23 Original approved Scheduled Date of Completion was 23.3.24 Project 2 S.O issued on 20.4.23 Original approved Scheduled Date of Completion was 19.4.24	To complete the procurement (Delay occurred due to late receipt of Govt. approval for procurement, which was received on 5th and 6th May 2026)
5	Reconnaissance Survey for Graphite in Korapara Area, Bankura-District, West Bengal [28th TCC-2]	M/s MMPL Pvt. Ltd.	9.6.26	9.10.26	S.O issued on 10.2.25 Original approved Scheduled Date of Completion was 9.12.25	For completion of work (Delay due to resistance from local Santali Community, pending response from DFO and election in the State)
6	Reconnaissance Survey for Graphite in Korapara East Area, Bankura-District, West Bengal. [28th TCC-2]	M/s MMPL Pvt. Ltd.	9.6.26	9.9.26	S.O issued on 10.2.25 Original approved Scheduled Date of Completion was 9.12.25	For completion of work (Due to the resistance & objections from local villagers drilling)

						<i>operations could not be commenced despite obtaining the forest clearance from the concerned DFO)</i>
7	Reconnaissance Survey (G4) for Rare Earth Elements and Rare Metals in the Meghawas–Nagana area (18 sq. km), Barmer District, Rajasthan [28th TCC-2]	MTCS	30.4.26	30.6.26	S.O issued on 10.2.25 Original approved Scheduled Date of Completion was 9.12.25	For submission of report
8	Reconnaissance Survey (G4) for Iron Ore in Mahakoshal Group around Chakdiya, Kushaniya, Jobra and Tusgaon area, Sonbhadra District, Uttar Pradesh. [28th TCC-2]	M/s GeoExpOre Private Limited	30.5.26	30.9.26	S.O issued on 28.2.24 Original approved Scheduled Date of Completion was 27.11.24	For completion of the project and submission of GR
9	Preliminary Exploration (G3) for REE and associated minerals in Borana block, Bhilwara District, Rajasthan. [28th TCC-2]	M/s GeoExpOre Private Limited	7.5.26	6.7.26	S.O issued on 10.6.24 Original approved Scheduled Date of Completion was 9.6.25	For submission of GR
10	Reconnaissance Survey (G4) for Limestone in Gunaur Pali Block, Panna District, Madhya Pradesh [28th TCC-2]	MPSMC	27.7.25	30.9.26	S.O issued on 28.2.24 Original approved Scheduled Date of Completion was 27.11.24	For completion of work and submission of GR. <i>(Delay is due to administrative issues and monsoon conditions)</i>
11	Reconnaissance Survey (G4) for REE and Associated Minerals in Nokhaniya area, Kachchh District, Gujarat. [28th TCC-2]	MECL	31.3.26	31.7.26	S.O issued on 19.3.25 Original approved Scheduled Date of Completion was 18.1.26	To carry out drilling in two boreholes (upto 50m depth per bore hole), sample analysis, EPMA study and GR submission

12	Reconnaissance Survey (G4) for REE, Glauconite and Associated Minerals in Devpur area, Kachchh District, Gujarat [28th TCC-2]	MECL	31.3.26	31.7.26	S.O issued on 19.3.25 Original approved Scheduled Date of Completion was 18.1.26	To carry out drilling in two boreholes (upto 100m depth per bore hole), sample analysis, EPMA study and GR submission
13	Reconnaissance Survey (G4) for REE and Phosphorite in Sumarsar area, Kachchh District, Gujarat [28th TCC-2]	MECL	30.4.26	31.7.26	S.O issued on 19.3.25 Original approved Scheduled Date of Completion was 18.1.26	For preparation of GR, peer review and GR submission
14	Reconnaissance Survey (G4) for REE in the Goma River Basin, Dahod, Chhota Udaipur and Panchmahal Districts, Gujarat [28th TCC-2]	M/s Geovale Services Private Limited	12.3.26	30.11.26	S.O issued on 13.3.25 Original approved Scheduled Date of Completion was 12.3.26	For complete the project, including drilling, sample analysis and submission of the GR. <i>(Delay is associated with accreditation and notification of the agency)</i>
15	Reconnaissance survey for REE and Associated Minerals in Pipargaon Area, West Karbi Anglong District, Assam [29th TCC-2]	MECL	19.5.26	18.8.26	S.O issued on 20.6.25 Original approved Scheduled Date of Completion was 19.5.26	For completion of project and submission of GR <i>(Delay in obtaining NoC from Karbi Anglong Autonomous Council for carrying out exploration, monsoon, local issues)</i>
16	Preliminary exploration for Manganese and Associated Minerals in Kankura Block, West Singhbhum District, Jharkhand [29th TCC-2]	M/s NRD Tata Steel Ltd.	9.6.26	9.12.26	S.O issued on 10.3.25 Original approved Scheduled Date of	For completion of project and submission of GR <i>(Forest clearance is</i>

					Completion was 9.6.26	<i>under progress)</i>
17	Preliminary survey for Limestone in Sangmania Block, Satna District, Madhya Pradesh [29th TCC-2]	MPSMC	12.10.25	31.07.26	S.O issued on 13.12.24 Original approved Scheduled Date of Completion was 12.10.25	For peer review and submission of GR <i>(Delay due to monsoon, restricted accessibility, standing crop and deployment of drilling rig)</i>
18	Reconnaissance survey for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh. [29th TCC-2]	M/s Engeote ch Consult ant	8.6.26	8.7.26	S.O issued on 10.2.25 Original approved Scheduled Date of Completion was 9.12.25	For submission of GR
19	Preliminary exploration of Ion-Adsorption and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block East Khasi and West Jaintia Hills Districts, Meghalaya [29th TCC-2]	DMR Meghal aya	31.3.26	30.11.26	S.O issued on 12.12.23 Original approved Scheduled Date of Completion was 11.3.25	For submission of GR <i>(Extensive rainfall in the area cause delay in drilling operation)</i>
20	Preliminary exploration for Limestone in Khongkha Block, Kiphire district, Nagaland [29th TCC-2]	DGM Nagalan d	25.6.26	30.9.26	S.O issued on 26.3.25 Original approved Scheduled Date of Completion was 25.6.26	For submission of GR <i>(Delay due to difficult terrain condition and limited accessibility)</i>
21	Preliminary exploration for Limestone in Mimi Kheti Block, Kiphire district, Nagaland [29th TCC-2]	DGM Nagalan d	4.6.26	31.12.26	S.O issued on 5.3.25 Original approved Scheduled Date of Completion was 4.6.26	For submission of GR <i>(Excessive rainfall cause delay in drilling operations and limited accessibility)</i>

[This is for approval of PSC]

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GR sent to Peer Reviewer

Subject: GR for Nanhawara Limestone Block for 22.52km2 for peer review

From: Indraneel Dawande<engeotech@rediffmail.com> on Sat, 06 Jun 2026 21:04:20

To: <bashasmj@gmail.com>,"nmet-mines"<nmet-mines@gov.in>,"Monu Tomer"<sr.geophysicist-nmet@gov.in>,"GEETIKA SHARMA"<geetika.sharma@gov.in>

1 attachment(s) - Submission_Letter_of_Geological_Report_of_Nanhawara_Kymore_Limestone_Block.pdf (199.24KB)

Dear Sir
Greetings from Engeotech Consultant

Please find google link for Geological Report under G4 Stage for Nanhawara Kymore Limesotne Block MP over an area of 22.52sq km.

https://drive.google.com/file/d/1RbQzdINL9w1ni9pK4NbXp4sQwjIWwgtD/view?usp=drive_link.

Thanks & Regards,

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Email: engeotech@rediffmail.com
Website: www.engeotechconsultant.com
Office: 1338, Kachnar City Road, Vijay Nagar, Jabalpur-482002 M.P.
Notified Private Exploration Agency (by Min. of Mines, Govt. of India)
Accredited by NABET (A-Category Exploration Agency)
ISO 9001:2015 Certified

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Timeline Extension OM No. 265

F. No.- 117/1/2025-NMET/265
Government of India
Ministry of Mines
National Mineral Exploration and Development Trust

9th Floor, Jeevan Prakash Building,
25, K.G. Marg, New Delhi.
Date: 12.06.2026

Office Memorandum

Subject: Approval of timeline extension of ongoing projects sanctioned to exploration agencies from NMEDT-reg

On the recommendation of Technical-cum-Cost Committees (TCCs), the Project Sanctioning Committee (PSC) of NMEDT at its 9th meeting held on 03.06.2026 approved the extension of timeline for following ongoing projects:

Sl. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
1	Reconnaissance Survey (G4) for REE & RM (Sc, Nb) mineralisation in Samalpatti, Krishnagiri District, Tamil Nadu.	KIOCL	28.02.2026	15.5.2026	For submission of GR
2	Preliminary Exploration (G-3) for Aluminous Laterite, Vanadium and Associated Minerals (V, Ga & REE) in Kallar Block, Kasaragod District, Kerala	MECL	07.07.26	31.08.26	To complete the work and submission of GR
3	Preliminary Exploration (G-3) for Aluminous Laterite, Vanadium and Associated Minerals in Kolathur Block, Kasaragod District, Kerala	MECL	19.06.26	31.08.26	To complete the work and submission of GR
4	Keluamali, District-Kalahandi, Odisha (Bauxite, G3)	OMC	30.6.25	30.6.26	For submission of GR
5	Majhingamali, District-Raygada & Kalahandi, Odisha (Bauxite, G3)	OMC	30.6.25	30.6.26	For submission of GR
6	Preliminary exploration (G3) for Ni, Co, PGE and REE/Associated Minerals in JC Pura Mafic-Ultramafic Schist Belt Near Rampura and	Geoexpore Pvt. Ltd.	30.4.26	30.6.26	For submission of GR

Sl. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
	Gollarahatti (RG) Block, Hassan District, Karnataka				
7	Reconnaissance Survey (G4) for graphite in Khairmal Block (83.34 sq. Km) in Bolangiri district of Odisha	OMC	31.3.26	30.6.2026	Completion of work and submission of GR
8	Reconnaissance Survey (G4) for graphite in Dhourakhaman Block (60 sq. Km) in Bolangiri district of Odisha	OMC	31.3.26	30.6.2026	Completion of work and submission of GR
9	Preliminary Exploration (G3) for REE mineralization in Maravapaliyam Block, Tiruppur District, Tamil Nadu	MECL	21.04.26	21.07.26	To complete the work and submission of GR.
10	Preliminary Exploration (G3) for Bauxite, Titanium, and Associated Minerals Harhapat block, Gumla, Jharkhand	JEMCL	28.02.26	15.07.26	For submission of GR
11	Deep Seismic Reflection Survey (DSRS) & Magnetotelluric (MT) Survey along Churu (Rajasthan) to Tikamgarh (Madhya Pradesh), Northern Transect under the project UNCOVER India	GSI-NGRI	28.12.26	31.03.28	For completion of project and submission of GR
12	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities	DMG Karnataka	30.04.26	31.01.27	To complete the procurement of WD-XRF and Rock cutting polishing and mounting unit
13	Reconnaissance Survey (G-4 stage) for Graphite and Vanadium in Matena-Sirar Area, Almora District, Uttarakhand	M/s Geovale Services Pvt. Ltd.	9.07.25	30.06.26	For submission of GR
14	Reconnaissance Survey (G-4 stage) for Basemetal in Thal-Didihat-Askot area, Pithoragarh District, Uttarakhand	M/s Geovale Services Pvt. Ltd.	31.05.26	31.08.26	For completion of drilling, chemical analysis and GR submission
15	Preliminary Exploration for Limestone in Indroi-Mandor block, Gir Somnath District, Gujarat	CGM Gujarat	25.02.26	31.07.26	For completion of work and submission of GR
16	Preliminary Exploration for Limestone in Harnasa-	CGM Gujarat	25.02.26	31.07.26	For completion of work and submission of GR

Sl. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
	Umbri block, Gir Somnath District, Gujarat				
17	Preliminary Exploration for Limestone in Govindpara-Savni Block, Gir Somnath District, Gujarat	CGM Gujarat	25.12.25	31.07.26	For completion of work and submission of GR
18	Reconnaissance Survey (G4) for Iron Ore in Nawagarh-Nelsod-Antagarh area, District Uttar Bastar Kanker, Chhattisgarh	PRB Infraprojects Pvt. Ltd.	31.05.26	31.08.2026	For GR submission
19	Preliminary Exploration (G-3) for Bauxite and associated minerals in Julrai Block, District- Kachhh, Gujarat	MECL	4.5.26	31.05.2026	For GR submission
20	Preliminary Exploration of Iron ore and associated minerals in Bamuri Area, Sidhi MP	MMPL Pvt. Ltd.	15.6.26	30.09.2026	For GR submission
21	Reconnaissance Survey for Graphite in Dumburuneli Area, Rayagada, Odisha	MMPL Pvt. Ltd.	31.05.26	31.07.2026	For submission of GR
22	Preliminary Exploration (G3) for Nickel, Chromium & Rare Metals in Vemula Block, YSR (Kadapa) District, Andhra Pradesh	MTCS	30.06.26	31.08.2026	For submission of GR
23	Reconnaissance Survey (G4 Stage) for Iron ore in Yaparlapadu - Dhone Area, Kurnool & Nandyal Districts, Andhra Pradesh	Critical Mineral Trackers	30.04.26	31.08.2026	For submission of GR
24	Preliminary exploration (G3) for Manganese in Rongha block, Bhandara District, Maharashtra	DGM Maharashtra	30.09.25	30.06.2026	For submission of GR
25	Preliminary exploration for Limestone in Savalhira block (4.04 sq. km), Chandrapur District, Maharashtra	DGM Maharashtra	30.09.25	30.06.2026	For submission of GR
26	Undertaking geochemical analysis of mine samples of Siwana Ring Complex, Rajasthan by IBM through NMEDT fund.	IBM	29.06.26	31.07.2026	For completion of project & submission of GR
27	Preliminary Exploration (G-3 Stage) for limestone in Chokkanathapuram Block, Ariyalur and Perambalur Districts, Tamil Nadu	Geo Exploration and Mining Solutions	30.04.26	15.06.2026	For submission of GR

Sl. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
28	Preliminary exploration (G3 stage) for limestone in Kulumur Block, Ariyalur and Perambalur Districts, Tamil Nadu	Geo Exploration and Mining Solutions	30.04.26	15.06.2026	For submission of GR
29	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities	DGM Bihar	31.01.26	31.07.26	To complete the procurement
30	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities	DGM Arunachal Pradesh	30.3.26	30.09.26	To complete the procurement
31	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities	DGM Telangana	30.04.26	31.10.26	For procurement and establishment of the Chemical Laboratory
32	Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities	DGM Mizoram (Project1 and Project 2)	31.03.26	30.9.2026	To complete the procurement
33	Reconnaissance Survey for Graphite in Korapara Area, Bankura-District, West Bengal	M/s MMPL Pvt. Ltd.	9.6.26	9.10.26	For completion of work
34	Reconnaissance Survey for Graphite in Korapara East Area, Bankura-District, West Bengal	M/s MMPL Pvt. Ltd.	9.6.26	9.9.26	For completion of work
35	Reconnaissance Survey (G4) for Rare Earth Elements and Rare Metals in the Meghawas–Nagana area (18 sq. km), Barmer District, Rajasthan	MTCS	30.4.26	30.6.26	For submission of report
36	Reconnaissance Survey (G4) for Iron Ore in Mahakoshal Group around Chakdiya, Kushaniya, Jobra and Tusgaon area, Sonbhadra District, Uttar Pradesh	M/s GeoExpOre Private Limited	30.5.26	30.9.26	For completion of the project and submission of GR
37	Preliminary Exploration (G3) for REE and associated minerals in Borana block,	M/s GeoExpOre	7.5.26	6.7.26	For submission of GR

Sl. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
	Bhilwara District, Rajasthan.	Private Limited			
38	Reconnaissance Survey (G4) for Limestone in Gunaur Pali Block, Panna District, Madhya Pradesh	MPSMC	27.7.25	30.9.26	For completion of work and submission of GR.
39	Reconnaissance Survey (G4) for REE and Associated Minerals in Nokhaniya area, Kachchh District, Gujarat.	MECL	31.3.26	31.7.26	To carry out drilling in two boreholes (upto 50m depth per bore hole), sample analysis, EPMA study and GR submission
40	Reconnaissance Survey (G4) for REE, Glauconite and Associated Minerals in Devpur area, Kachchh District, Gujarat	MECL	31.3.26	31.7.26	To carry out drilling in two boreholes (upto 100m depth per bore hole), sample analysis, EPMA study and GR submission
41	Reconnaissance Survey (G4) for REE and Phosphorite in Sumarsar area, Kachchh District, Gujarat	MECL	30.4.26	31.7.26	For preparation of GR, peer review and GR submission
42	Reconnaissance Survey (G4) for REE in the Goma River Basin, Dahod, Chhota Udaipur and Panchmahal Districts, Gujarat	M/s Geovale Services Private Limited	12.3.26	30.11.26	For complete the project, including drilling, sample analysis and submission of the GR.
43	Reconnaissance survey for REE and Associated Minerals in Pipargaon Area, West Karbi Anglong District, Assam	MECL	19.5.26	18.8.26	For completion of project and submission of GR
44	Preliminary exploration for Manganese and Associated Minerals in Kankura Block, West Singhbhum District, Jharkhand	M/s NRD Tata Steel Ltd.	9.6.26	9.12.26	For completion of project and submission of GR
45	Preliminary survey for Limestone in Sangmania Block, Satna District, Madhya Pradesh	MPSMC	12.10.25	31.07.26	For peer review and submission of GR
46	Reconnaissance survey for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh.	M/s Engeotech Consultant	8.6.26	8.7.26	For submission of GR
47	Preliminary exploration of Ion-Adsorption and Laterite Hosted Supergene Enriched	DMR Meghalaya	31.3.26	30.11.26	For submission of GR

Sl. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
	REE Deposits in Sung Valley Block East Khasi and West Jaintia Hills Districts, Meghalaya				
48	Preliminary exploration for Limestone in Khongkha Block, Kiphire district, Nagaland	DGM Nagaland	25.6.26	30.9.26	For submission of GR
49	Preliminary exploration for Limestone in Mimi Kheti Block, Kiphire district, Nagaland	DGM Nagaland	4.6.26	31.12.26	For submission of GR

21/12/26 5/12/26

(Rajiv Kumar)
Joint Director (Admn. & Legal)
For Director (Project) & HoD

To,

1. The Dy. Director General, PSS, GSI, CHQ, 27 J. L. Nehru Road, Kolkata-700016
2. The General Manager (Exploration), Mineral Exploration and Consultancy Limited (MECL), Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur
3. The Director, DGM Bihar, 1st Floor, Udyog Bhawan, East Gandhi Maidan, Patna
4. The Director, DGM Arunachal Pradesh, Chandranagar, Papum Pare, along NH-52A (Itanagar Road) in Itanagar, Arunachal Pradesh
5. The Director, DMG Telangana 2nd Floor, B.R.K.R. Bhavan, Government Offices Complex, Tank Bund Road, Saifabad, Hyderabad
6. The Director, DGM Mizoram, Luangmual, Aizawl, Mizoram
7. The Madhya Pradesh State Mining Corporation Ltd. Block 'A', 2nd Floor, Paryawas Bhawan Jail Road, Arera Hills, Bhopal
8. The Director, DMR Meghalaya, Risa Colony, Shillong, Meghalaya
9. The Director, DGM Nagaland, Near Deputy Commissioner (DC) Office, Dimapur
10. The Director, DMG Karnataka, 49, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka
11. The Director, CGM Gujarat, Old Sachivalaya, Block No. 15, DR. JIVRAJ MEHTA BHAVAN, Sector 10B, Sector 11, Gandhinagar, Gujarat
12. Controller General, Indian Bureau of Mines, 2nd Floor, Indira Bhawan, Civil Lines, Nagpur.
13. Odisha Mining Corporation, OMC House, Bhubaneswar, Odisha
14. Geovale Services Pvt. Ltd., Anaya Chambers, 3rd Floor, Block GN, Plot 38/5, Salt Lake, Sector V, Kolkata
15. MMPL Pvt. Ltd., 21, CLM Lane, Raniganj, Dist: Burdwan, West Bengal, India
16. Critical Mineral Trackers, E3, 3rd Floor, Technology Research Park, Indian Institute of Technology, IITH Road, near National Highway 65, Hyderabad, Kandi, Telangana-502285
17. PRB Infra Pvt. Ltd., S-3, 2nd Floor, Ratan Height, Medical Square, Nagpur, Maharashtra, India
18. GeoExpOre Pvt. Ltd., 45, 2nd A Main Rd, Basaveshawara HBCS Layout 2nd Stage, Chandra Layout, Bengaluru, Karnataka
19. Geo Exploration and Mining Solutions, 17, Advaita Ashram Rd, Arthanari Nagar, Fairlands, Salem, Tamil Nadu.

20. Mining Tech Consultancy Services, Commerce House 6, Corporate Rd, off Sarkhej - Gandhinagar Highway, next to S & P Global House, Prahlad Nagar, Ahmedabad, Gujarat
21. Engeotech Consultant, Tower, NH-53, Opp. Toyota Showroom, 2nd Floor, Service Road, Bareipali, Sambalpur, Odisha-768006
22. JEMCL, JSFC Building, 4th Floor, Near Kadru Petrol Pump, Kadru Main Road, Ranchi, Jharkhand
23. NRD Tata, Room No. 349, 3rd Floor, Commercial Centre General Office Building, Bistupur, Jamshedpur
24. KIOCL, Block II, Koramangala, Sarjapura Road, Bengaluru

Copy for information to:

1. Chairman, TCC-1.
2. Chairman, TCC-2.
3. PS(Consultant) to DG, NMEDT.
4. SO, IFD, Ministry of Mines.
5. DDO, Ministry of Mines.
6. Finance & Accounts Division, NMEDT.

21

Scrutiny Comments issued by Peer Reviewer

Lr No: SMJB/PR/ NMEDT/ MP/Lst 1

Dated 15-06-2026

To,
Shri INDRANEEL DAWANDE,
Engeotech Consultant,
1338 Kachnar City Road,
Vijay Nagar, Jabalpur,
Madhya Pradesh-482002,
Ph no: 9425387402, 8989771405.

Subject: GR for reconnaissance survey (G4- stage) for limestone block in and around Nanhwara Kymore for 22.52km² in Madhya Pradesh.

Ref: Your letter No – DS and HOD NMEDT letter 44/1/NMET/223 dated 03-06.2026 and dated on 06-06-2026

Dear Sir,

I have scrutinized and reviewed the report under the subject and reference with the relevant details submitted therein.

Upon examination, the report is found to be satisfactory and technically in order. The observations, corrections and recommendations made in the body of the report and the note submitted here with may kindly be attended to.

Thanking you,

Yours faithfully,

SMJ Basha,
Director (R), GSI,
Ph no: +91 9441496703,
bashasmj@gmail.com,
Hyderabad – 500068,
Telangana.

Encl: As above with Peer reviewer note
Copy to 1. NMEDT, New Delhi – for information.

A note on the observance of the External Peer Reviewer on the entitled Report “Report on reconnaissance survey (G4- stage) for limestone block in and around Nanhwara Kymore limestone block for 22.52km² Madhya Pradesh”.

Up on Review and scrutiny, the report is found to be highly satisfactory for G4 stage of exploration and technically sound and found to be excellent and in order. The following suggestions are given for further improvement of the quality of the report.

1. In the executive summary the following information may be added.
 - A few existing Limestone mines and cement plants in the vicinity of the explored Block (Adani cement plant etc.)
2. In the report part please mention methods used in analytical data presented by the lab viz XRF/Wet methods and SRM/CRMs used for quality checkup of analytical data.
3. Vide page No 104 Fig No 10.1 Borehole I (BH I) limestone data falls in Blendable grade of Limestone. pl change the colour code.
4. please attend spelling mistakes/typographical mistakes/corrections as suggested in the body of the report

Sd. SMJ Basha
(Peer reviewer of the
above report)
Director (R), GSI.

To,
SHRI INDRANEEL DAWANDE,
(Project coordinator)
Engeotech Consultant,
1338, kachnar city road,
Vijay Nagar, Jabalpur, Madhya Pradesh,
Pincode: 482002
Ph no: 9425387402, 8989771405,
Email: engeotech@rediffmail.com.

From,
SMJ Basha (Retd. Director, GSI),
Ashraf Manzil, 3rd floor,
Sri Lakshmi nagar colony,
Mansoorabad, Hyderabad,
Telangana,
Pincode:500068,
Ph no: 9441496703.

22

Scrutiny complied & final GR
sent to Peer Reviewer

Subject: GR for Nanhawara Limestone Block for 22.52km2 for peer review

From: Indraneel Dawande<engeotech@rediffmail.com> on Sat, 06 Jun 2026 21:04:20

To: <bashasmj@gmail.com>,"nmet-mines"<nmet-mines@gov.in>,"Monu Tomer"<sr.geophysicist-nmet@gov.in>,"GEETIKA SHARMA"<geetika.sharma@gov.in>

1 attachment(s) - Submission_Letter_of_Geological_Report_of_Nanhawara_Kymore_Limestone_Block.pdf (199.24KB)

Dear Sir
Greetings from Engeotech Consultant

Please find google link for Geological Report under G4 Stage for Nanhawara Kymore Limesotne Block MP over an area of 22.52sq km.

https://drive.google.com/file/d/1RbQzdINL9w1ni9pK4NbXp4sQwjIWwgtD/view?usp=drive_link.

Thanks & Regards,

ENGEOTECH CONSULTANT
Landline: 0761-3581305
WhatsApp: +91-9425387402, +91-8989771405
Email: engeotech@rediffmail.com
Website: www.engeotechconsultant.com
Office: 1338, Kachnar City Road, Vijay Nagar, Jabalpur-482002 M.P.
Notified Private Exploration Agency (by Min. of Mines, Govt. of India)
Accredited by NABET (A-Category Exploration Agency)
ISO 9001:2015 Certified

23

Approval received from Peer
Reviewer

Lr No: SMJB/PR/ NMEDT/ MP/Lst 1

Dated:23-06-2026

To,
For Director (Projects) & HOD,
NMEDT, Secretariat,
New Delhi – 110011.

Subject: Submission of GR for reconnaissance survey (G4- stage) for limestone block in and around Nanhwara Kymore for 22.52km² in Madhya Pradesh.

Ref 1: Your letter No – DS and HOD NMEDT letter 44/1/NMET/223 dated 03-06.2026.

Ref 2: My Lr No: SMJB/PR/ NMEDT/ MP/Lst 1 dated: 15-06-2026

Dear Sir,

I have scrutinized and reviewed the report under the subject and reference with the relevant details re-submitted by the investigation agency **Engeotech Consultant, Jabalpur – Madhya Pradesh**.

Upon reexamination, the report is found to be satisfactory and technically in order. The observations, corrections and recommendations made by me in the report have been attended by the investigation agency **Engeotech Consultant, Jabalpur – Madhya Pradesh**.

Hence the report submitted by the investigation agency **Engeotech Consultant, Jabalpur – Madhya Pradesh** may kindly be accepted at your end for further necessary action. **The area is recommended for G3 investigations for further detailed computation of quality and quantity of resources for auctioning of the limestone block.**

Thanking you,

Yours faithfully,

Sd: **SMJ Basha,**
Director (R), GSI,
Ph no: +91 9441496703,
bashasmj@gmail.com,
Hyderabad – 500068,
Telangana.

Encl: Copy to **Engeotech Consultant**, with the request to forward the report directly to the NMEDT New Delhi for further necessary action.

24

5th Review in 32nd PSC (Final
GR approval)

Minutes Awaited

25

**Final GR Uploaded in NGDR
Portal**

NGDR

geodataindia.gov.in/usercheck

Ask Gemini

RediffmailInbox (3) - bsslab.jp@gmail.coWhatsAppMPAS - Mining PlanNABL LoginNABET LoginNMEDT Connect

भारत सरकार
GOVERNMENT OF INDIA

खान मंत्रालय
Ministry of Mines

NATIONAL GEOSCIENCE DATA REPOSITORY (NGDR)
Mineral Exploration Reporting Template(MERT)

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