

Ministry of Mines
National Mineral Exploration & Development Trust
Revised Minutes of 13th meeting of Technical-cum-Cost Committee -II (TCC-II)
held on 22nd, 23rd, 24th September 2025

The 13th 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 22nd, 23rd, 24th September 2025.

Members of TCC-II, NMEDT and representatives from Mineral Exploration and Consultancy Limited (MECL), DGM Mizoram, DGM Ladakh, DMG Rajasthan, DMR Meghalaya, DGM Assam, M/s Eartnenviro Lab Private Limited, M/s Gemcokati Private Limited, M/s Geovale Services Private Limited, M/s Natural Resource Division Tata Steel Limited, M/s Ocean Drilling & Exploration Private Limited, M/s *Maheshwari Mining* Private Limited (MMPL), M/s United Exploration India Private Limited, M/s PRB Infra Projects Private Limited, FCI Aravali Gypsum & Minerals India Limited (FAGMIL), M/s Critical Mineral Trackers (CMT), M/s Kartikay Exploration and Mining Services Private Limited, M/s Gems Project Private Limited, M/s Geo Marine Solutions Private Limited, M/s Envirogreen Consultants (India) Private Limited, M/s Vardan Environet LLP, M/s APC Drilling & Construction Private Limited 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, NMEDT warmly welcomed all TCC-II members and every participant representing various State DGMs/DMGs, Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs).

Agenda 13.1 Technical Evaluation of New Project Proposals

Agenda 13.1.1 Reconnaissance Survey (G4) for Graphite and associated Minerals for Mankota Area, West Siang District, Arunachal Pradesh.

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

- a) This project was in-principally approved in 12th TCC-II whereby the committee suggested for reduction in the survey area against the proposed of 90 sq. km.
- b) The agency proposed new area for reconnaissance survey of 50.00 sq. km which falls in Survey of India Toposheet number 82P/1 in parts of West Siang district, Arunachal Pradesh. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received from GSI 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.
2	AMD	The comments had not been received at the time of the meeting.
3	MECL	



4	DGM Arunachal Pradesh.	
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- c) The agency informed that, as per National Mineral Inventory (NMI) database, based on the UNFC system, the total reserves/resources of graphite as on 1.4.2020 have been placed at about 211.62 million tonnes, out of which 8.56 million tonnes are in the Reserves category and 203.6 million tonnes are placed under Remaining Resources category. Arunachal Pradesh accounts for 36% of the total resources which is followed by Jammu & Kashmir (29%), Jharkhand (9%), Madhya Pradesh (5%), Odisha (9%), and Tamil Nadu (4%). However, in terms of reserves, Tamil Nadu has the leading share of about 36% followed by Jharkhand (30%) and Odisha (33%) of the total reserves.
- d) M/s Earthenviro Lab Private Limited informed that Graphite Schist associated with Garnet, Quartzite and Biotite may contain Graphite deposit. Contact of Biotite Augen Gneiss & Calc / Granite Gneiss of Paleoproterozoic Age and Garnet, Staur, Biotite, Graphite Schist with Quartzite of Cretaceous Age may be the host rock for associated Minerals (REE). Two samples were collected by the agency which showed 5% to 15% of fixed carbon.
- e) The agency informed that the approximately 80% of the proposed area is forest covered. The committee asked for the forest permission, in response the agency told that they have contacted forest authorities regarding forest permission. The agency informed that their camp will be established at Turing, Arunachal Pradesh.
- f) The proposed NMET block does not shows any overlapping with any earlier explored blocks of GSI
- g) The TCC-II opined that reconnaissance survey in the proposed area will be difficult due to terrain elevation (2000m to 3500m). Considering the challenging terrain, a project timeline of 15 months will be recommended. The committee advised SP survey in 10-line km. The committee also suggested XRD analysis of 10 samples & Laser Raman Spectroscopic Study of 4 samples.
- h) The TCC-II agreed for proposed reconnaissance survey at G4 level within the time schedule of 15 months with first review after 5 months and second review after 10 months. The committee agreed for 5 scout Boreholes with 500 meterage and SP survey for 10-line Km. Costing for this proposal in tentative and only for initiation of the project. Final costing will be done as per revised SoC (Schedule of Charges), NMEDT.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for "Reconnaissance Survey (G4) for Graphite and associated Minerals around Mankota Area, West Siang District, Arunachal Pradesh" with an estimated cost of ₹ 730.08 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 5 months & 10 months.

Estimated cost for Reconnaissance Survey (G4) for Graphite and associated Minerals around Mankota Area, West Siang District, Arunachal Pradesh

[Block area- 50.2sq. km; Nos. of Boreholes-5; Borehole depth range- average 100 m; Schedule timeline- 15 months]

Implementing Agency: Earthenviro Lab Private Limited

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI	Rates as per	Qty.	Total Amount (Rs)	
A	GEOLOGICAL WORK (1:12500scale)						
i	Charges for one Geologist – HQ	day	1.2	9000	60	5,40,000	
ii	Charges for two Geologist- Field	day	1.2	11000	360	39,60,000	
iii	Labour (3 Nos) Base rate - Rs.541/-	day	5.7	541	720	3,89,520	
iv	Charges for one Sampler per day for BRS, Pits, Trenches & BHS	one sampler/day	1.5.2	5,100	122	6,22,200	
v	Labour (4 Nos) Base rate - Rs.541/-	day	5.7	541	488	2,64,008	
	Sub Total- A					57,75,728	
B	Geophysical Survey-Outsourced						
i	Self potential (8-20km)	line km	3.3a	29,600	1.25	37,000	10 line km SP Survey
	Sub Total B					37,000	
C	Pitting/Trenching (Out Source)						
i	Pitting(1m x 1m x 1m)	Cu m	2.1.2	3,800	50	1,90,000	50 Pits and
ii	Trenching(1m x 1m x 8m) 15 no	Cu m	2.1.1	3,330	120	3,99,600	
	Sub Total- C					5,89,600	
D	DRILLING (Out Source)						
i	Drilling (Hard Rock)	m	2.2.1.3a	11,500	500	57,50,000	
ii	Borehole plugging by cement	m	2.2.7b	150	500	75,000	

iii	Drill Core Preservation	Per m	5.3	1,590	300	4,77,000	
	Sub Total- D					63,02,000	
D	Total - A to D					1,27,04,328	
	Extra Charge due to North East Area 3.35 times					4,12,90,499	
E	Total Charge(A to D)					5,39,94,827	
F	LABORATORY STUDIES(Primary & Check samples)						
i	Pitting/Trench/BRS/Core by Proximate Analysis for Graphite(Pr)	per sample	4.1.16	3000	500	1500000	130 RS;120 Trench,50 Pits & 200 from Core Drilling samples will be generated
ii	Proximate Analysis for Graphite(Ch) External check sample	per sample	4.1.16	3000	50	150000	10%
iii	Major Oxide by XRF	per sample	4.1.15a	4200	20	84000	
iv	ICPMS (34 elements)		4.1.14	7731	200	1546200	
V	ICPMS (check samples)		4.1.14	7731	20	154620	
vi	Major Oxide by XRF (check samples)	per sample	4.1.15a	4200	2	8400	
vii	XRD Analysis		4.5.1	4000	10	40000	
viii	Laser Raman Spectroscopic Study/MCT				4		As per actuals
G	Petrographic studies						
i	Preparation of thin sections	Per Sample	4.3.1	2353	20	47060	
ii	Study of thin sections	Per Sample	4.3.4	4232	20	84640	
iii	Bulk Density	Per Sample	4.8.1	1605	5	8025	
	Sub Total – F					3622945	
H	SubTotal-E+F+G					5,76,17,772	
I	Miscellaneous Charges						

i	Preparation of Exploration Proposal(5Hard copies with a soft copy)	5 hard copies	5.1	2% of approved project cost or 5 lakh whichever is lower	1	500000	
ii	Geological Report Preparation		5.2.4	A minimum of ₹ 9 lakh or 3% of the value of work whichever is more subject to a maximum amount of ₹ 20 lakh and ₹ 10,000/- per each additional copy.	1	20,00,000	
iv	Peer review Charges		As per EC decision	10000	3	30,000	
v	Tender Processing Cost (Outsourced Drilling-Rs 57,50,000/- *3.35 times =1,92,62,500/-)		2.3	2% of approved project cost or 5 lakh whichever is lower	On outsourced component only	3,85,250	19262500

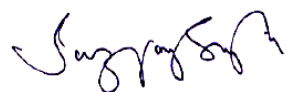



vi	Operational Charges		6 (iii)	Rs.8.75 Lakh plus 5% of excess of Rs.1 cr. Of outsourced component		13,38,125	1338125
	Sub Total – I					42,53,375	
	Grand Total					6,18,71,147	
J	Provision for GST (18% of J)					1,11,36,806	
K	Total Estimated Cost with GST					7,30,07,953	
	or Say Rs. In Lakhs					730.08	
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 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						

Annexures 2B

Time Schedule/Action Plan for Reconnaissance Survey (G4) for Graphite and associated Minerals around Mankota Area, West Siang District, Arunachal Pradesh [Schedule timeline- 15 months]

S.No	Activity Plan(Months)	1	2	3	4		6	7	8	9		11	12	13	14	15		
1	Topographical Survey					REVIEW-1					REVIEW-2							
2	Lithological Mapping(1:4000 scale) and Sampling																	
3	Pitting																	
4	Sample Preparation for chemical anaysis																	
First Review by TCC on progress and outcome																		
5	Geophysical Survey					REVIEW-1					REVIEW-2							
Second Review by TCC on progress and outcome																		
6	Exploratory Drilling, Borehole collar survey																	
7	Logging, Sampling, Bulk Density determination																	
8	Chemical Analysis																	
9	Mineragraphic, XRD, Trace Element Study and other studies																	
Final Review by TCC on progress and outcome																		
10	Data Synthesis and draft report preparation																	
11	Peer Review																	
12	Final Report Preparation and Submission																	





Agenda 13.1.2 Preliminary exploration for PGE, Gold and Basemetal in Timkitola block, Balaghat District, Madhya Pradesh

[Implementing Agency: M/s Gemcokati Private Limited]

- a) The proposed exploration area of 6.00 sq.km, falls in Survey of India Toposheet number 64C/11 in parts of Balaghat district, Madhya Pradesh. Entire block lies within the Forest area. This project is a spin-Off Item of completed project titled Reconnaissance Survey for PGE, Gold and REE in Maneri – Sitapala Area (80 sq. km), Balaghat District, Madhya Pradesh. The table of comments is as under

S.N.	Agency	Comment
1	MECL	This block has been carved out from the Reconnaissance Survey (G4) stage for PGE, Gold, and REE in the Maneri–Sitapala area (80 sq. km), Balaghat District, Madhya Pradesh.
2	AMD	The comments had not been received at the time of the meeting.
3	GSI	
4	DGM Madhya Pradesh.	

- b) The agency informed the committee about the exploration in the NMET-funded Maneri–Sitapala Block has delineated a 2.4 km × 50 m NNE–SSW mineralized corridor along the Sitagota basalt–Karutola sandstone contact, exhibiting integrated geological, geophysical and geochemical anomalies. The zone comprises foliated quartz–hematite–chlorite rock with associated actinolite–chlorite–epidote schist and quartz amygdules enclosing Cu–Fe sulfides, indicating brittle–ductile deformation and hydrothermal alteration. Platinum group elements (up to 480 ppb) occur with gold (0.06–0.12 ppm) as sub-10 µm grains within hematite and quartz–chlorite matrix, signifying primary magmatic PGE concentration at ~400–900 °C followed by secondary gold remobilization at ~250–400 °C. Rare earth elements (28–151 ppm) hosted in monazite and xenotime and scandium (26–48 ppm) suggest late-magmatic to hydrothermal rare-metal enrichment. The mafic–felsic contact environment, structural deformation and fluid–rock interaction together indicate a magmatic sulfide–PGE–gold system analogous to the Noril’sk–Talnakh Ni–Cu–PGE province of the Siberian Traps, highlighting the Maneri–Sitapala Block as a highly prospective yet underexplored target for concealed Ni–Cu–PGE–Au–REE mineralization.
- c) The committee suggested detailed geological mapping at 1:2000 scale and geophysical profiles over selected traverses to decide scout drilling. The committee further suggested for the exploration of PGE along three profiles at 150 m station interval. Drilling 720m will be decided after first review of detail mapping and Geophysical survey work.
- d) The TCC-II agreed for proposed preliminary survey at G3 level within the time schedule of 12 months with first review after 5 months and second review after 10 months.
- e) As per the F. No. II-18015/68/2014-LWE-III dated 1 April, 2025, Ministry of Home Affairs, the district corresponding to the proposed block area has been removed from LWE most affected districts.

Recommendation TCC-II

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 3A & 3B. The item will be reviewed 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 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, 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 trench 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 Compansation (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 for 2 Rigs (Chandrapur to Balaghat)
8	Monthly Accomodation 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 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. 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-NMET 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 reimburse 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 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




SI No.	Item of Work	1	2	3	4	5		6	7	8	9	10	11	12
1	Forest clearance						REVIEW					REVIEW		
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 13.1.3 Preliminary exploration for REE and associated mineralization in Koliyasar-East block, Balotra District, Rajasthan.

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

- a) The proposed preliminary exploration block, covering 5.19 sq. km area, falls in Survey of India Toposheet No. 45C/6 and lies within Balotra District, Rajasthan. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received from GSI 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.
2	AMD	As per the comments received from AMD following the discussion of the project in the TCC-II meeting i. The area is under active exploration by AMD for Uranium, RM & REE. The proposed blocks overlap with exploration block of AMD. ii. AMD has planned Reconnoitry core drilling (G-3 Stage) in Rebariyon ki Dhani (Koliyasar) for Uranium and REE mineralisation during ensuing Annual Programme 2025-26. iii. In view of above, the block is not recommended for exploration to avoid duplication of work.
3	DMG Rajasthan.	The comments had not been received at the time of the meeting.

- b) As per the comments received from GSI the proposed block is geologically favourable for exploration of REE. Also, there is no ongoing projects and no overlapping with the previously explored block of GSI with the proposed block.
- c) MECL informed that the DMG, Rajasthan has given NOC approval for the proposed block for G3 stage of exploration.
- d) The TCC-II opined that since there are already few recommended blocks of this agency present in the adjacent parts of the proposed block the present proposal may be kept on hold. Based on the outcomes of previously recommended blocks the proposed exploration work will be decided by the committee in future.

Recommendation TCC

The committee opined that the proposal may be kept on hold as there are already few recommended blocks of this agency are present in the adjacent parts of the proposed block. Based on the outcomes of previously recommended blocks the proposed exploration work will be decided by the committee in future.

Agenda 13.1.4 Preliminary exploration for REE and associated mineralization in Koliyasar-West block, Balotra District, Rajasthan.

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

- a) The proposed preliminary exploration block, covering an area of 4.46 sq. km, falls in Survey of India Toposheet No. 45C/6 and lies within parts of Balotra District, Rajasthan. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received from GSI 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
2	AMD	As per the comments received from AMD following the discussion of the project in the TCC-II meeting - The area is under active exploration by AMD for Uranium, RM & REE. The proposed blocks overlap with exploration block of AMD. - AMD has planned Reconnoitry core drilling (G-3 Stage) in Rebariyon ki Dhani (Koliyasar) for Uranium and REE mineralisation during ensuing Annual Programme 2025-26. In view of above, the block is not recommended for exploration to avoid duplication of work.
3	DGM Rajasthan.	The comments had not been received at the time of the meeting.

- b) As per the comments received from GSI the proposed block is geologically favourable for exploration of REE. Also, there is no ongoing projects and no overlapping with the previously explored block of GSI with the proposed block.
- c) MECL informed that the DMG, Rajasthan has given NOC approval for the proposed block for G3 stage of exploration.
- d) The TCC-II opined that since there are already few recommended blocks of this agency are present in the adjacent parts of the proposed block the present proposal may be kept on hold. Based on the outcomes of previously recommended blocks the proposed exploration work will be decided by the committee in future.

Recommendation TCC

The committee does not recommend the project proposal for approval of PSC.

Agenda 13.1.5 Reconnaissance survey for Graphite, Vanadium and associated minerals in Bhaluani Kalan area, Daltonganj District, Jharkhand.

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

- a) The proposed Reconnaissance survey, covering 32.70 sq. km, falls in Survey of India Toposheet No. 63P/16 and lies within Daltonganj District, Jharkhand.
- b) Comments from GSI/AMD and State DGM were pending during the meeting.
- c) The TCC-II opined that the review of the proposal should be deferred till receipt of comments from GSI/AMD and State DGM. The table of comments is as under

S.N.	Agency	Comment
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1	GSI	The comments had not been received at the time of the meeting.
2	AMD	
3	DGM Jharkhand.	

Recommendation TCC

The committee deferred the proposal till receipt of comments from GSI/AMD and State DGM.

Agenda 13.1.6 General exploration in Thakurdih Area-1 block for Copper and associated minerals, Singhbhum Copper Belt, East Singhbhum District, Jharkhand.

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

- a) The proposed exploration block, covering 4.1 sq. km area, is present on Survey of India Toposheet No. 73J/11 and falls within parts of East Singhbhum, Jharkhand. This project is an upgradation of completed project titled Preliminary exploration for Copper and Associated Minerals in Thakurdih Area-1 Block, Singhbhum Copper Belt, East Singhbhum District, Jharkhand. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. There is an overlap of proposed block with GSI block Mundadevta-Darkhuli 1970-72 and slight overlap with Singapura-Angarpara (G4) FS 2023-24. No current exploration.
2	AMD	The comments had not been received at the time of the meeting.
3	DGM Jharkhand..	

- b) The agency informed the committee that the Thakurdih Area-1, forming part of the Baharagora copper prospect at the southeastern end of the Singhbhum Copper Belt (Jharkhand), was explored by MECL at G3 stage (2024–25) under NMET funding. Geological mapping (1:2000 scale) over 4.1 sq. km and 17 boreholes at 200x200 m grid spacing proved copper mineralisation in two parallel zones: a northern band (in porphyroblastic garnetiferous chlorite–mica schist) and a southern band (along granite–metabasic schist contact, locally in silicified brecciated rocks and quartzite). Mineralisation is litho-structurally and shear controlled, striking E–W to NW–SW and dipping 55°–80°.
- c) At a 0.2 % Cu cut-off, seven lodes in the northern band and six in the southern band yielded a total inferred (UNFC-333) resource of 4.43 Mt @ 0.38 % Cu over 6.14 m. At 0.5 % cut-off, 1.02 Mt @ 0.70 % Cu over 3.45 m was estimated, and at 1.0 % cut-off, 0.13 Mt @ 1.23 % Cu over 2.77 m. ICP-MS analyses revealed significant associated values of REE+Y+Sc (>1000 ppm, up to 4654 ppm), cobalt (up to 1300 ppm) and molybdenum (up to 193 ppm), mainly within quartz–K-feldspar–chlorite–biotite schist,

garnet–chlorite schist, granite and contact zones. The G3 report recommends G2 stage exploration with closer-spaced drilling (first level 50 m and second level 100 m vertical depth) to prove strike and depth continuity, upgrade resources to indicated (UNFC-332) category, and better assess REE, Co and Mo potential. Phase-I drilling will cover the 2.3 km northern and 1.1 km southern bands at 100 m spacing; Phase-II will close gaps to 50 m and include deeper holes (to fourth level). Upgrading to G2 will support either amalgamation with the adjoining Mundadevta–Darkhuli–South Jharia G2 Block or independent auctioning of both blocks.

- d) The committee suggested to target most persistent mineralized band with first level boreholes at 100x100 m interval and second level boreholes at 200x200 m interval. It further suggested to first carryout first level boreholes and show the results in review for further execution of borehole plan. The committee agreed for total 7000 m drilling in 48 boreholes with average depth of 100 m in 30 boreholes in 1st level in 100m x 100m interval average 200 m depth in 15 infilling boreholes at 200m x 200m spacing in 2nd level and 300 m depth in 3 boreholes in 3rd level.
- e) The TCC-II agreed for proposed General exploration at G2 level within the time schedule of 16 months with first review after 6 months and second review after 12 months.

Recommendation TCC

The committee recommended the proposal for approval of PSC for “General exploration (G2) in Thakurdih Area-1 block for Copper and associated minerals, Singhbhum Copper Belt, East Singhbhum District, Jharkhand.” with an estimated cost of ₹1,327.23 Lakh (including GST) within the time schedule of 16 months and submission of the report as per Annexures 4A & 4B. The item will be reviewed after 6 months & 12 months.



Estimated cost for General exploration (G2) in Thakurdih Area-1 block for Copper and associated minerals, Singhbhum Copper Belt, East Singhbhum District, Jharkhand

[Block area- 4.10 sq. km]

Schedule timeline- 16 months, Total 48 Boreholes (Phase-I: Total 30 Bhs for 1st level at 100m interval, Phase-II -Total 18 Bhs for 2nd Level at 200m interval including 3 Deeper Level Boreholes (3rd Level). Review - After 6 & 12 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						
i	Surface sampling, Geological map updation (1:2000 scale), Borehole logging, sampling & Report writing				4.10 sq.km	Update	
ii	Charges for Geologist per day- HQ	day	1.3a	9,000	60	5,40,000	
i	Charges for Geologist per day - Field	day	1.3b	11,000	200	22,00,000	
iii	Labour(2 Nos.) for Geologist	day	5.7	541	400	2,16,400	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Charges for One Sampler per Day	day	1.5.2	5,100	360	18,36,000	
v	Labours for sampling work (4 Nos.)	day	5.7	541	1,440	7,79,040	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total- A					55,71,440	
B	TRENCHING/PITTING						

i	Excavation of Trenches (If Required)	per.cu.m.	2.1.1	3,330	80	2,66,400	
	Sub Total- B					2,66,400	
C	DRILLING						
i	Drilling upto 300m (Hard Rock)	m	2.2.1.4a	11,500	6,900	7,88,32,500	30 BHs 1st level (100m), 15 BH 2nd level (200m) and 3 BHs 3rd level (300m)
ii.	Drilling between Depth of 301-600m	m	2.1.1.4b	12,420	100	18,00,900	
iii.	Borehole deviation Survey	m	2.2.6	330	7,000	23,10,000	
iv.	Borehole Geophysical logging (Only for deeper 3rd level 3 Nos. Boreholes)	3Bhs of 330m each	3.12	622.25	990	6,16,028	
v.	Land / Crop Compansation	per BH	5.6	20,000	48	9,60,000	
vi.	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	48	96,000	
vii.	Transportation of Drill Rig & Truck associated per drill (4 rigs)-Two way	Km	2.2.8	36	8,000	2,88,000	To & Fro for 4 Rigs from Nagpur to baharagoda
viii.	Monthly Accomodation Charges for drilling Camp (Up to 4 Rigs)	monthly	2.2.9	1,00,000	8	8,00,000	50,000 per month up to 2 rigs, 50% additional charges will be paid for each additonal drill rig.
ix.	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	2	5,00,000	
x	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	2	5,00,000	
xi	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	8	1,76,160	
xii	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and block boundary by DGPS	Nos	1.6.2	19,200	48	9,21,600	
xiii	Borehole core preservation-One complete borehole plus mineralised cores of all the remaining BHs	m	5.3	1,590	1,700	27,03,000	
	Sub Total- C					9,04,62,788	

E	LABORATORY STUDIES						
1	Chemical analysis						
a	Surface samples (Primary) (Bedrock/channel)						
	a) Primary samples for Cu, Pb, Zn, Ni, Co, Mo, Bi, Ge, Te & Sn by AAS method		4.1.7a & b	4,181	20	83,620	AAS method
b	Surface Check samples (10% External check)						
	c) For Cu, Pb, Zn, Ni, Co, Mo, Bi, Ge, Te & Sn by AAS method		4.1.7a & b	4,181	2	8,362	AAS method
c	Trench Samples						
	a) Primary samples for Cu, Pb, Zn, Ni, Co, Mo, Bi, Ge, Te & Sn by AAS method		4.1.7a & b	4,181	80	3,34,480	AAS method
d	Trench Check samples (10% External check)						
	c) For Cu, Pb, Zn, Ni, Co, Mo, Bi, Ge, Te & Sn by AAS method		4.1.7a & b	4,181	8	33,448	AAS method
e	BH core samples						
	a) Primary samples for Cu, Pb, Zn, Ni, Co, Mo, Bi, Ge, Te & Sn by AAS method	Nos	4.1.7a & b	4,181	2,400	1,00,34,400	AAS method
f	BH Core Check samples (10% External check)						
	a) External Check sample (10% of Primary samples) for Cu, Pb, Zn, Ni, Co, Mo, Bi, Ge, Te & Sn by AAS method	Nos	4.1.7a & b	4,181	240	10,03,440	AAS method
g	Composite Samples						

	a) 34 elements by ICPMS Method	Nos	4.1.14	7,731	50	3,86,550	
	b) For Au & Ag by fire assay	Nos	4.1.5a	4,760	50	2,38,000	
2	Petrological & Mineragraphic studies (BH core samples)						
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.	Specific Gravity Determination	Nos	4.8.1	1,605	10	16,050	
a	XRD mineral phase analysis	Nos	4.5.1	4,000	30	1,20,000	
b	EPMA studies	Hours	4.4.1	8,540	10	85,400	
	Sub Total- E					1,24,70,210	
F	Benefication studies						
i.	Laboratory scale Ore Benefication study	Lumpsum	SoC of IBM	817700	1	8,17,700	As per rate of IBM rate SOC no. A (I) (3)
	Sub Total-F					8,17,700	
G	Geotechnical studies						
i.	Geotechnical study of one borehole including...Porosity, Uniaxial compressive strength, tensile strength Youngs modulus elasticity, triaxial compressive strength (cohesion & angle of internal friction) and bulk density etc.	No.	4.8.2, 4.8.4c, 4.8.5, 4.8.7, 4.8.9 & 4.10	23212	15	3,48,180	To be decided by TCC
ii.	Transportation of drill core by postal service		Lumpsum	10000	1	10,000	
	Sub Total-G					3,58,180	
	Sub Total-(A to G)					10,99,47,718	

H	Geological Report Preparation		5.2	For Projects having cost exceeding Rs. 300 lakhs-A minimum of Rs.9 lakhs or 3% of the value of work whichever is more subject to a maximum amount of Rs. 20 lakh		20,00,000	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	5.1/28th EC	2% of the Cost or Rs. 5.0 Lakhs whichever is lower		5,00,000	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-NMET in its meeting while clearing the proposal.
K	Total Estimated Cost without GST					11,24,76,718	
L	Provision for GST (18%)					2,02,45,809	GST will be reimburse as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					13,27,22,526.65	
				or Say Rs. In Lakhs		1,327.23	
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




Annexures 4B																			
Time Schedule/ Action Plan for General exploration in Thakurdih Area-1 block for Copper and associated minerals, Singhbhum Copper Belt, East Singhbhum District, Jharkhand																			
S. No.	Activities	Qty.	1	2	3	4	5	6	Review	8	9	10	11	12	Review	13	14	15	16
1	Camp Setting	months																	
2	Updation of Geological Map & Topographic survey (1:2000 scale) & Collection of surface samples	4.10 sq.km																	
3	Trenching & Sampling work	months																	
4	Phase-I Drilling & associated works (4 rig)																		
5	Phase-II Drilling & associated works (4 rig)																		
6	Geologist party days (Field)	months																	
7	Sampling party days,	months																	
8	Camp winding	months																	
9	Laboratory Studies	months																	
10	Beneficiation Studies	1 No.																	
11	Geotechnical Studies	1 No.																	
12	Geologist party days at HQ	months																	
13	Report Writing with Peer Review	months																	

[Signature]

[Signature]

Agenda 13.1.7 Preliminary exploration for REE and RM prospects within the inland placer of Ghoghamba block, Dahod District, Gujarat.

[Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed preliminary exploration block, covering 58.00 sq. km, falls in Survey of India Toposheet Nos. 46F/14 & 46F/10 and lies within parts of Dahod District, Gujarat. The table of comments is as under

S.N.	Agency	Comment
1	GSI	GSI did not take any REE exploration project in and around area therefore proposed block may or may not be feasible for REE exploration.
2	AMD	The comments had not been received at the time of the meeting.
3	CGM Gujarat	
4	MECL	Comments received from MECL 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

- b) Comments from GSI/MECL/AMD and State DGM were pending during the meeting.
- c) M/s Geovale Services Private Limited informed that, they have successfully conducted a G4 stage exploration in this area and found this block to be very potential to take up a G3 level exploration. Especially the alluvium samples of Goma River is found to be more potential. Some colluvium samples have also found to be potential. Up to 6386 ppm Σ HREEY in -125-micron size fraction of T0 alluvium samples and up to 2332 ppm from -250-micron size fraction of the colluvium samples were recorded. Up to 80699 ppm Σ TREE in -125-micron size fraction of terrace (T0) of alluvium samples and up to 29959 ppm from +125-micron size fraction of the colluvium samples is recorded from this block.
- d) The TCC-II agreed for the proposed preliminary exploration. However, the committee opined that the proposed area i.e. 58 sq. km. is very large area for a G3 level of exploration and needs to be reduced to around 10 sq.km. Also, there are two more blocks proposed by the agency in adjacent areas. Considering these facts, the committee opined that initially only one proposal of Geovale may be recommended for the approval of PSC and based on the positive outcomes subsequent proposals will be taken up.
- e) The renotification of the agency is pending and therefore the approval cannot be accorded.

Recommendation TCC

The committee does not recommend the proposed preliminary exploration since the re-notification of the agency is still pending

Agenda 13.1.8 Preliminary exploration for REE and RM prospects within the inland placer of Tidki Block, Dahod District, Gujarat.

[Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed preliminary exploration block, covering 73.00 sq. km, falls in Survey of India Toposheet No. 46F/14 and lies within parts of Dahod District, Gujarat. The table of comments is as under

S.N.	Agency	Comment
1	GSI	The comments had not been received at the time of the meeting.
2	AMD	
3	CGM Gujarat	
4	MECL	Representative informed that the proposed block Virol completely overlaps with proposed Godhra granite and partially overlaps with the Bara Wollastonite block (consent received by MECL from DGM).

- b) M/s Geovale Services Private Limited informed that, they have successfully conducted a G4 stage exploration in this area and found this block to be very potential to take up a G3 level exploration. Especially the alluvium samples of Goma River are found to be more potential. Some colluvium samples have also found to be potential. Up to 6386 ppm Σ HREE in -125-micron size fraction of T0 alluvium samples and up to 18136 ppm from -125-micron size fraction of T1 alluvium samples were recorded. Up to 1500 ppm Σ HREE was recorded in 250-micron size fraction of the colluvium samples. Up to 80699 ppm Σ TREE in -125-micron size fraction of T0 alluvium samples and up to 49882 ppm from -125-micron size fraction of T1 alluvium samples were recorded. Highest 284758 ppm Σ TREE was recorded in -alluvial samples. Up to 29959 ppm Σ TREE in +125-micron size fraction and up to 20510 ppm from -250-micron size fraction of the colluvium samples is recorded from this block.
- c) The TCC-II opined that in view of significant large area at G3 stage, (73 sq. km) with variable geomorphic units, committee opined to take up separate/individual catchment area of approx.10-12 sq. km, to derive a model with optimised quantum of work and advised to revise the cost sheet accordingly.
- d) The renotification of the agency is pending and therefore the approval cannot be accorded.

Recommendation TCC

The committee does not recommend the proposed preliminary exploration since the re-notification of the agency is still pending

Agenda 13.1.9 Preliminary exploration for REE and RM prospects within the inland placer of Virol Block, Dahod District, Gujarat.

[Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed preliminary exploration block, covering 92.00 sq. km, falls in Survey of India Toposheet Nos. 46F/14 & 46F/10 and lies within parts of Dahod District, Gujarat. The table of comments is as under

S.N.	Agency	Comment
1	GSI	The comments had not been received at the time of the meeting.
2	AMD	
3	CGM Gujarat.	
4	MECL	Representative informed that the proposed block Tidki completely overlaps with the Godhra granite block (consent received by MECL from DGM) overlaps with the MECL running Jhab block for graphite in G-3.

- b) M/s Geovale Services Private Limited informed that, they have successfully conducted a G4 stage exploration in this area and found this block to be very potential to take up a G3 level exploration. Especially the alluvium samples of Goma River are found to be more potential. Some colluvium samples have also found to be potential.
- c) The TCC-II agreed for the proposed preliminary exploration. However, the committee opined that the proposed area i.e. 92 sq. km. is very large area for a G3 level of exploration and needs to be reduced to around 10 sq.km. Also, there are two more blocks proposed by the agency in adjacent areas. Considering these facts, the committee opined that initially only one proposal of Geovale may be recommended for the approval of PSC and based on the positive outcomes subsequent proposals will be taken up.
- d) The renotification of the agency is pending and therefore the approval cannot be accorded.

Recommendation TCC

The committee does not recommend the proposed preliminary exploration since the re-notification of the agency is still pending

Agenda 13.1.10 Preliminary exploration for Graphite and associated minerals, Mahadevbera block, Ranchi District, Jharkhand

[Implementing Agency: NRD TATA]

- 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. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. GSI informed that the area has already been investigated at the G4 stage for Gold (F.S. 2016-17) and Graphite (F.S. 2017-18)
2	AMD	The comments had not been received at the time of the meeting.
3	DMG Jharkhand	
4	MECL	Comments received from MECL 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
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- b) The agency informed that the proposed 3.0 sq. km exploration block lies on the eastern side of the Kubasal–Jagro–Serengdih Gold Block (G4), adjoining the Ghagri–Asangibera and Sindauri–Urmal Gold Blocks in Jharkhand. Previous GSI investigations (2007–2019) focused mainly on gold but also recorded graphite mineralization within Papirda–Jopno–Kubasai carbonaceous phyllite, occurring as two E–W to N80°W–S80°E trending bands. The northern band is ferruginous and micaceous with thin quartzite layers, while the southern band is tuffaceous and pyritiferous with lower density. GSI analyses showed fixed carbon (FC) contents up to 6.1 percent.
- c) Follow-up fieldwork by Tata Steel geologists confirmed two prominent graphite-bearing bands within Vijayagiri Ridge carbon phyllite, of 42 analysed samples, 45 percent contained FC greater than 2 percent (average 3.19 percent, maximum 7.43 percent). Additional traverses in the northern band delineated four major mineralized zones averaging 4.3 % FC at a 2 % cut-off, with values up to 6.99 percent.
- d) Integrating GSI base data, updated mapping and recent sample analyses, the area is considered geologically favourable for graphite. Preliminary exploration is henceforth proposed over 3.00 Sq. Km. area targeting potential graphite mineralization.
- e) The committee suggested for the first level boreholes at 30 m vertical depth and second level borehole at 60 m vertical depth and agreed for geological mapping at 1:4000 scale. The committee agreed for the Self Potential surveys in 100 m line interval in the block for demarcation of graphitic zones.
- f) The committee recommended for the 1026 meterage of drilling in Phase-I for 8 boreholes with average depth of 128 m, 961 meterage of drilling in Phase-II for 5 boreholes with average depth of 192 m. Review of the project will be done after geophysical survey in the project.

Recommendation TCC

The committee recommended the proposal for approval of PSC for “Preliminary exploration (G3) for Graphite and associated minerals, Mahadevbera block, Ranchi District, Jharkhand” with an estimated cost of ₹365.11 Lakh (including GST) within the time schedule of 15 months and submission of the report as per Annexures 5A & 5B. The item will be reviewed after 5 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, Mahadevbera block, Ranchi District, Jharkhand
Total Area - 3.0 sq. km; Drilling: 1987m, BH:13. Completion Time - 15 Months; Reviews: 5 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 (1:4000 scale)						In-house
1	Geologist: Field work	Man days	1.2	11000	180	1980000	
2	Geologist: Project Manager at HQ	Man days	1.2	9000	60	540000	
3	Labour charges (for sample collection, packaging, carrying)	Man days	5.7	541	360	194760	
4	Charges for one sampler per day (for sample preparation)	Man days	1.5.2	5100	60	306000	
5	Labour charges (for sample preparation)	Man days	5.7	541	240	129840	
6	Charges of one qualified surveyor with total station (TS)	Man days	1.6.1a	8300	30	249000	
	Labour charges (for surveyor)	Man days	5.7	541	120	64920	
7	Demarcation of block boundary, Fixation of borehole	Per Point Observation	1.6.2	19200	17	326400	13 boreholes + 4 Boundary pillars
	Sub Total - A					3790920	
B	Mineral Investigation						Outsourced (B2)

1	Trenching	per cu m	2.1.1	3330	150	499500	10 trenches Dimension: 1m x 1 m x 15
2	Drilling in medium hard rock	per m	2.2.1.3a	10100	1987	20068700	NQ size; Core drilling Phase-I: 1026m; 8 nos Phase-II: 961m: 5 nos
3	Borehole pillaring	per borehole	2.2.7a	2000	13	26000	
4	Drill core preservation	per m	5.3	1590	400	636000	Skeletonised mineralised core, and one complete borehole
	Sub Total - B					21230200	
C	Geophysical Survey						Outsourced (C1)
1	Self-Potential (8 -20 Line km)	Line km	3.3a	29600	2.5	74000	Hilly Area (For 20 Line Km)
2	Field monitoring charges for the outsourced activity	Charges for one Geophysicist per day	3.19	30	11000	330000	
	Sub Total - C					404000	
D	Laboratory Studies						Outsourced (D2, D4, D6, D7, D8)
1	BRS and Channel Samples (Proximate analysis for Graphite)	Per sample	4.1.16	3000	400	1200000	BRS+ Channel Sample=66, Trench Sample =44, Core Sample =290 (Including 10% Check Sample)
7	Analysis of selected samples by ICP-MS for 34 elements	Per sample	4.1.14	7731	20	154620	
8	Density	Per sample	4.8.3	1568	5	7840	

	Sub Total - D					1362460	
E	Petrographic Studies						Outsourced
1	Preparation of polished thin section	Per sample	4.3.2	1549	10	15490	
2	Complete mineragraphic studies	Per sample	4.3.4	4232	10	42320	
3	Digital microphotograph of thin polished section	Per sample	4.3.7	280	10	2800	
	Sub Total - E					60610	
F	Other Studies						
1	Beneficiation study (lab scale)	Per sample	4.7.2	5	50000	250000	Outsourced (As per actuals)
	Sub Total - F					250000	
	TOTAL (A+F)					2,70,98,190	
G	Miscellaneous Charges						
1	Preparation of exploration proposal		5.1			500000	
2	Geological report preparation		5.2			812946	3% of the project cost
3	3D Ore body modelling using SURPAC		5.4			500000	As per actual
4	Peer Review					30000	
5	Tendering process cost for outsourced activities		2.3			500000	
6	Operational Charges against outsourced activities		6.0			1500000	
	Sub Total - G					3842946	
H	Total Estimated Cost without GST					30941136	
I	Provision for GST (18%)					5569404	
J	Total Estimated Cost with GST					36510540	
K	Total Estimated Cost with GST (in Lacs)					365.11	
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 for Graphite and associated minerals, Mahadevbera block, Ranchi District, Jharkhand

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 13.1.11 Preliminary exploration for Vanadium, Graphite, Barium and associated mineral in Chaura-Maunkaunda block, Champawat District, Uttarakhand.

[Implementing Agency: M/s Ocean Drilling & 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. The table of contents is as under

S.N.	Agency	Comment
1	GSI	Comments received from GSI 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
2	AMD	The comments had not been received at the time of the meeting.
3	DGM Uttarakhand	Informed that the block proposed by M/s Ocean Drilling & Exploration Pvt. Ltd. does not overlap with any existing blocks and that there is no ongoing exploration activity by DGM Uttarakhand in the area.
4	MECL	Informed that the proposed block by M/s Ocean Drilling & Exploration Pvt Ltd. is not overlapping with MECL explored block and ongoing blocks

- b) M/s Ocean Drilling & Exploration Private Limited informed that, during the Field Season 2022–23, reconnaissance survey has been carried out by GSI. The survey involved the systematic collection and analysis of various sample types, including 100 bedrock samples (BRS) and 50 channel samples, 15 pitting and trenching samples. Chemical analysis of these samples revealed anomalously high values of Ba, V, and fixed carbon. In BRS samples value of V ranges from 148ppm to 3627ppm & value of Ba ranges from 3839ppm to 30093ppm. Also, in channel samples value of V ranges from 114ppm to 2807ppm and value of Ba ranges from 4132ppm to 9535ppm. Average FC value is 6.26% in BRS samples and 2.32% in channel samples.
- c) The TCC-II advised that the agency itself should carry out some limited field work in the proposed area along with sampling & petrographic studies for more mineral evidences & control over the target lithology. The committee also advised mapping on 1:4000 scale in place of 1:2000 scale.

Recommendation TCC

The committee advised that the agency itself should carry out some limited field work in the proposed area along with sampling & petrographic studies. The committee deferred the proposal for next TCC-II meeting.

Agenda 13.1.12 Reconnaissance survey of Graphite in Katiam area, Bankura District, West Bengal

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed reconnaissance survey, covering 14.10 sq. km, is located on Survey of India Toposheet No. 73J/09 & 73J/13 and falls within parts of Bankura District, West Bengal. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. Overlap with Gold exploration fs: 2019-20
2	AMD	The comments had not been received at the time of the meeting.
3	DMM West Bengal	
4	MECL	

- b) The agency informed that the in the east of the proposed Katiam block, MMPL located several graphite bands along a NE-SW trending graphite belt during reconnaissance survey in Ranibandh graphite block. The fixed carbon value varies from 2.15 % FC to 8.09% FC. A resource of 1.38 million tonne was estimated for the Ranibandh block.
- c) The agency further informed that in the West of the proposed Katiam block, MMPL has also located graphite bands along the extensional area of the NE SW trending graphite belt during ongoing reconnaissance survey in Korapara East graphite block. The FC% varies from 2.16% FC to 12.07% FC.
- d) The agency informed that geologists of MMPL collected few samples from the proposed Katiam block area. The five grab samples are submitted to the laboratory. Analytical results are expected shortly. Possibly the same graphite belt (NE-SW trending) is passing through proposed Katiam block because geologically the block is in the middle portion of the Ran bandh and Korapara east graphite blocks.
- e) The committee suggested to consult the FSP 2019-20 Gold GSI report for FC% analysis results.
- f) Based on the available information the committee opined that the proposal cannot be recommended for approval at present.

Recommendation TCC

The committee did not recommend the proposal for approval of PSC.

Agenda 13.1.13 Preliminary exploration for Graphite in Bhurkura block, Bankura District, West Bengal.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed preliminary exploration block, covering an area of 2.00 sq. km, falls in Survey of India Toposheet No. 73J/13 and lies within parts of Bankura District, West Bengal. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received form GSI 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
2	AMD	

3	DMM West Bengal	The comments had not been received at the time of the meeting.
4	MECL	

- b) As per the comments received from GSI, there is no overlapping of the proposed block with GSI's block.
- c) The TCC-II noted that two small blocks have been proposed by the agency in same area adjacent to each other. In view of this the committee opined that these blocks may be combined and presented for review.

Recommendation TCC

The committee did not recommend the proposal for approval of PSC.

Agenda 13.1.14 Preliminary exploration for Graphite in Kumarpara block, Bankura District, West Bengal.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed preliminary exploration block, covering an area of 3.00 sq. km, falls in Survey of India Toposheet No. 73J/13 and lies within parts of Bankura District, West Bengal. The table of contents is as under

S.N.	Agency	Comment
1	GSI	As per the comments received from GSI, there is no overlapping of the proposed block with GSI's block.
2	AMD	
3	DMM West Bengal	
4	MECL	

- b) The TCC-II noted that two small blocks have been proposed by the agency in same area adjacent to each other. In view of this the committee opined that these blocks may be combined and presented for review.

Recommendation TCC

The committee did not recommend the proposal for approval of PSC.

Agenda 13.1.15 Preliminary exploration for Graphite in Rajakata-Taalgora block, Bankura District, West Bengal.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed preliminary exploration block, covering an area of 2.00 sq. km, falls in Survey of India Toposheet No. 73J/13 and lies within parts of Bankura District, West Bengal. The table of contents is as under

S.N.	Agency	Comment
1	GSI	As per the comments received from GSI, there is no overlapping of the proposed block with GSI's block.
2	AMD	

3	DMM West Bengal	Comments and observations from AMD, DMM West Bengal, and MECL were awaited at the time of the meeting, as their inputs had not been received.
4	MECL	

- b) The TCC-II suggested some limited field work along with grab sampling in the proposed area by the agency itself for getting more mineral evidences and control of target lithology for G3 level of exploration.

Recommendation TCC

The committee did not recommend the proposal for approval of PSC.

Agenda 13.1.16 Reconnaissance survey for Graphite in Sirka area, Purulia District, West Bengal.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed reconnaissance survey area of 90.17 sq. km falls in Survey of India Toposheet No. 73J/5 & 73J/9 and lies within parts of Purulia District, West Bengal. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. The proposed Sirka Block is showing 58% overlap with GSI FS 2023-24 G4 item.
2	AMD	Comments and observations from AMD, DMM West Bengal, and MECL were awaited at the time of the meeting, as their inputs had not been received.
3	DMM West Bengal	
4	MECL	

- b) As per the comments received from GSI, the proposed Sirka Block is showing 58% overlap with GSI FS 2023-24 item titled "Reconnaissance Survey for Gold mineralization in and around Sirisgora, Laupal and Kalapati area, Purulia, Bankura and Jhargram districts, West Bengal (G4)". Although the commodity of the above-mentioned item was Gold, graphite analysis was carried out during the study and report submitted. Based on the above report, a G3 stage exploration item on Graphite has already been approved for FS 2026-27 for SU: WB-AN. The block boundary of the G3 item has 100% overlap with a part of the proposed Sirka Block.
- c) In view of the above facts the TCC-II did not recommend the proposal for approval.

Recommendation of TCC-II

The committee did not recommend the proposal for approval of PSC.

Agenda 13.1.17 Reconnaissance survey for Nickel Chromium, Gold and PGE in Pasubera-Chetansika, West Singhbhum District, Jharkhand.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed reconnaissance survey area of 50.00 sq. km, is located on Survey of India Toposheet No. 73F/10 and falls within parts of West Singhbhum District, Jharkhand. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments and observations from GSI, AMD, DMG Jharkhand, and MECL were awaited at the time of the meeting, as their inputs had not been received. The committee decided that further consideration of the proposal would be taken up after receiving comments from these organizations.
2	AMD	
3	DMG Jharkhand	
4	MECL	

- b) The TCC-II opined that GSI's comments are required prior to review of the proposal.

Recommendation of TCC-II:

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

13.2 Review of Ongoing Procurement Projects & Timeline Extension

Agenda 13.2.1 Financial Assistance from NMET funds to procure Machinery Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DGM Mizoram]

- DGM Mizoram informed that 3 projects for procurement were approved by NMET as given below:
- Project -1: Approval of ₹309.32 Lakh in the 27th EC of NMET held on 10th January 2023 for 12 months period. 35th EC approved the proposal for procurement of one bomb calorimeter amounting to ₹2 lakhs/- to DGM, Mizoram. Time extension up to 31st March 2025 was approved in 37th EC held on 23rd September 2024.
- Project 2: In 29th EC meeting, the revised cost of WD- XRF (₹40,000,00 to ₹1,50,000,00) per unit for one item and GIS (₹13,000,00 to ₹15,33,000) per unit for three items was approved and removed from Project 1 and taken as new approved items in Project 2 with timeline of 12 months with total cost of ₹195.99 Lakh. The meeting was held on 31st March 2023 for 12 months period. Additionally, ₹2 Lakhs were approved for purchase of bomb calorimeter in the 35th EC of NMET held on 16th May 2025. Time extension up to 31st March 2025 was approved in 37th EC held on 23rd September 2024.
- Project 3: 39th EC accorded approval of ₹29,50,000/- with a timeline of 12 months for procurement of 01 DGPS. Additional cost of ₹4,39,200/- for procurement of 10 handheld GPS was approved in 39th EC of NMET (Project 1) to DGM, Mizoram.
- As informed by the implementing agency, ₹36,61,999 Lakh in project-1, ₹47,90,000 in Project-2, have been utilised so far. The agency further requested for timeline extension for these projects.

- f) DGM Mizoram informed the committee that they have placed purchase order on 27th March 2025 for WD-XRF and requested timeline extension for project 1 and project 2 upto 31st March 2026.
- g) The TCC-II expressed its concern about the slow progress of this procurement project. The committee asked the agency for submission of utilization certificate to NMET along with the detailed justification for delay of procurement process.

Recommendation TCC-II;

The TCC-II recommended proposal for time line extension up to 31st 2025 approval of EC for cost enhancement.

Agenda 13.2.2 Financial Assistance from NMET funds to procure Machinery Laboratory/Equipment/instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DGM Ladakh]

- a) **DGM Ladakh** informed that the procurement project was approved in the 28th EC meeting held on 10th January 2023. The sanction order was issued on 16th March, 2023 with timeline of 12 months and approved cost was ₹ 2,05,96,000 as shown in the table below

S. No.	Item	Qty.	Estimated Cost per unit ₹	Total estimated cost (Rs.)
1.	Hydrostatic truck mounted drill machine with 600 m to 1000 m capacity (600m truck mounted hydrostatic rig without CAMC, without operator and without accessories. Without spare and lubricants however pump is the integral part of the rig.	1	80,00,000	80,00,000
2.	Bits, drill rod, casing and core barrel	For 1 year requirement	80,00,000	80,00,000
3.	Portable XRF for chemical analysis of Minerals/ rock samples	1	10,00,000	10,00,000
4.	GIS Software	1	13,00,000	13,00,000
5.	DGPS	1	16,00,000	16,00,000
6.	Total Station	1	6,96,000	6,96,000
Total				₹ 2,05,96,000

- b) **DGM Ladakh** informed that ₹ 82,38,400 /- was released by NMEDT as 1st instalment. It further informed that during the 42nd EC meeting dated 2nd June 2025, the committee approved the surrender of drilling equipment amounting to ₹ 1,60,00,000. Additional cost of ₹ 27,000,00 was approved for the procurement of Portable XRF for

chemical analysis and ArcGIS software with enhanced costs. In addition to above procurement items four new items amounting to ₹ 5,70,000 (Digital Camera, Handheld GPS, Brunton Compass, Geological Hammer) was approved by the committee. The updated approved item table is shown below

S. No.	Item	Qty.	Estimated Cost per unit ₹	Total estimated cost (Rs.)
1.	Portable XRF for chemical analysis of Minerals/ rock samples	1	2500000	2500000
2.	GIS Software	1	2500000	2500000
3.	DGPS	1	1600000	1600000
4.	Total Station	1	696000	696000
5.	Digital Camera	2	300000	300000
6.	Handheld GPS	2	190000	190000
7.	Brunton Compass	4	40000	40000
8.	Geological Hammer	4	40000	40000
Total				₹ 78,66,000

- DGM Ladakh highlighted the issues faced by it hindering the utilization of funds which includes technical constraints, administrative and financial compliance challenges.
- DGM Ladakh requested for the approval for procurement of these items and a timeline extension up to 31st March 2026.
- The committee recommended the request of procurement and timeline extension up to 31st March 2026 subject to condition that the DGM Ladakh will have to surrender the amount if procurement is not done within timeline extension period.

Recommendation TCC-II;

The TCC-II recommended the proposal of procurement of instrument/Laboratory items and timeline extension up to 31st March 2026 for approval of PSC.

Agenda 13.2.3 Financial Assistance from NMET funds to procure Machinery Laboratory/Equipment/instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DMG Rajasthan]

- DMG Rajasthan informed that the project was approved in the 27th EC meeting held on 10th January, 2023. The sanction order was issued on 24th March, 2023 with timeline of 12 months and approved cost was ₹470.20 Lakh.
- DMG Rajasthan informed that ₹1,88,08,000/- was released by NMET as 1st instalment, against which ₹1,83,61,200/- has been utilised until 23 July 2025. Utilization certificates were submitted to NMET on 16th June 2025 & 23rd July 2025. Details are given in the table below

Sl. No.	Name of item	Number of items	Amount (in ₹)
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1	GIS software	2	29,86,580/-
2	Digital Camera	5	2,49,400/-
3	Brunton Compass	20	88,500/-
4	Geological Hammer	20	1,18,000/-
5	Handheld GPS	20	6,99,740/-
6	Handheld XRF	5	1,42,19,000/-
Total			1,83,61,220/-

- c) DMG Rajasthan requested to release the 2nd instalment of ₹2,82,12,000/- of the procurement project. Below is the list of items to be procured further by DMG Rajasthan

Sl. No.	Name of item	No. of items	Tentative amount (in ₹)	Remarks
1	Research Polarising Microscope with software attached camera for Transmitted and Reflected Light with accessories & CAMC (Mixing of Two things) 18.57 & 25 Lakhs	Earlier 5, but revised to 1 high-end Microscope	Earlier 5 lac per no. but revised to 25 lakhs for high end	As per NMET upper Ceiling price
2	Pulverizer	1	Price revision from 50,000 to 5 lakhs	As per NMET upper Ceiling price
3	Ball Mill	1	20,00,000	As approved in EC
4	WD-XRF with accessories & CAMC	1	5 Cr. (2.20 Cr. + 2.80 Cr.)	As per NMET upper Ceiling price and NMET incentive fund scheme
5	Core splitter	6	12,00,000	As per NMET upper Ceiling price

D) DMG Rajasthan requested for the time line extension upto 31st March 2026.

E) The TCC-II agreed for release of the 2nd instalment of ₹2,82,12,000/- for the procurement project and time line extension upto 31st March 2026.

Recommendation TCC-II;

The TCC-II recommended the proposal for approval of PSC for release of the 2nd instalment of ₹2,82,12,000/- and time line extension up to 31st March 2026.

Agenda 13.3 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 13.3.1 Preliminary Exploration of Ion-Adsorption Clay and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block, East Khasi Hills, Meghalaya

[Implementing Agency: DMR Meghalaya]

- a) The DMR Meghalaya informed that the project was approved in the 32nd EC Meeting held on 06th December, 2023. The sanction order was issued on 12th December, 2023 with timeline of 15 months and approved cost was ₹ 3.00 crore.
- b) The Committee referred to the 6th TCC-II recommendation, which states that for carrying out chemical analysis of PGE (ICP-MS Ni-S Fire Assay technique) be used for 15 additional samples in place of EPMA analysis. Committee advised that wherever Ni values are more than 0.1% analyse for Pt-Pd.
- c) DMR Meghalaya informed the committee about the progress of the project, where the geological mapping on 1:4000 scale has been partially completed, and total station survey is in progress. Collection of soil samples (Pit samples, Bed rock samples, Surface sampling) for geochemical analysis of REE and associated critical minerals has been completed. The work associated with identifying the REEs phases present and mineralization pattern in the laterite, bauxite and weathering profile is in progress. The work associated with Identifying location and carrying out drilling to demarcate REEs enriched zone at subsurface level, based on geochemical signatures for REEs enrichment in Ion-Adsorption and Laterite hosted REEs deposits is in progress.
- d) DMR Meghalaya requested to shift the two borehole location points from the approved location to new locations based on the observed highest concentration of REE in the regoliths of Lateritic bauxite with TREE up to 11,081 ppm and a minimum of 326 ppm from 35 samples with average value of 1122 ppm. It further requested to carryout SEM and EPMA studies in addition to earlier approved PGE analysis for 15 samples for identifying the major REE phases and quantitatively assessing the study rock types.
- e) The Committee accepted proposal of shifting one BH on Lateritic body which has given significant REE values. Total of proposed 6 BHs, 4 BHs on Perovskite Pyroxenite body, 1 BH on laterite & 1 BH over alkaline granite to be planned for drilling.

Recommendation of TCC-II:

The TCC-II recommended the proposal for approval of PSC for additional SEM and EPMA studies in addition to earlier recommended PGE analysis for 15 samples with an estimated revised cost of ₹ 305.14 Lakh (including GST) Annexure 6.



Estimated cost for Preliminary Exploration of Ion-Adsorption Clay and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block, East Khasi Hills, Meghalaya

Total Area - 7.1 sqkm; Nos. of Borehole - 6 ; Completion Time -15 Months, Average depth - 40m

Implimenting Agency: DMR Meghalaya

S.N	Item of Work	Unit	Rates as per NMET SoC		Rate for exploration 3.35 times higher	Estimated Cost of the Proposal		Remark
			SoC-Item -SI No.	Rates as per SoC		Qty.	Total Amount (Rs)	
A	GEOLOGICAL WORK							
1	Geological mapping (1:4000) & sampling							
a	Charges for one Geologist per day at HQ	one Geologist per day	1.3	9,000	9,000.00	30	2,70,000	
b	Charges for two Geologist per day at field (2 Nos)	one Geologist per day	1.3	11,000	36,850.00	120	44,22,000	
c	Labour (2Nos/ geologist)	per Labor day	5.7	494	1,654.90	240	3,97,176	Amount will be reimburse as per the notified rates by the Central Labour Commission or respective State Govt. - whichever is higher
e	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5,100	17,085.00	75	12,81,375	

f	Labour (4 Nos/ sampler)	per Labor day	5.7	494	1,654.90	300	4,96,470	Amount will be reimburse as per the notified rates by the Central Labour Commission or respective State Govt. - whichever is higher
2	Trenching				-		-	
a	Excavation of Trenches upto 2m depth	per cu m	2.1.2	3,800	12,730.00	200	25,46,000	infilling pits
	Sub-Total -A						94,13,021	
B	Petrological samples (Surface & Bh Core Samples)							
i	Preparation of standard thin sections	Nos	4.3.1	2,353		20	47,060	
ii	Complete Petrographic/Ore microscopy Study/Mineragraphic	Nos	4.3.4	4,232		20	84,640	
iii	Preparation of unmounted polished section of rock	per sample	4.3.3	1,185		20	23700	
	Sub-Total -B						1,55,400	
C	Digital Photograph of thin polished section							
i	Digital Photographs	Nos	4.3.7	280		20	5,600	
	Sub-Total -C						5,600	
D	LABORATORY STUDIES							

1	<u>Chemical Analysis</u>							BH depth more than 100m has been considered for deviation.
a	Samples for REE and Trace using ICP-MS (34 elements) 48 radicals	Nos	4.1.14	7,731		500	38,65,500	
b	Samples for Major Oxide by XRF	Nos	4.1.15a	4,200		50	2,10,000	
c	Samples for Mineral identification using XRD	per sample	4.5.1	4000		50	200000	After review
d	PGE Analysis using ICP-MS Ni-S Fire Assay technique	per sample	4.1.5d	11,800		15	177000	Recommended by TCC for 15 samples
e	EPMA Studies per hour	per hour	4.4.1	8540		15	128100	Placed to the 13th TCC-NMET for approval
f	SEM Studies per hour	per hour	4.4.2	2940		15	44100	Placed to the 13th TCC-NMET for approval
	Sub-Total -D						46,24,700	
F	DRILLING (Outsourced)							
i	Drilling up to 240m (Hard Rock)	m	2.2.1.4a	11,500	38,525	240	92,46,000	40 m average depth, 6 boreholes
ii	Drilling camp setting cost	per drill	2.2.9a	2,50,000		0	-	
iii	Drilling camp winding cost	per drill	2.2.9b	2,50,000		0	-	

iv	Approach road making for rugged-Hilly terrain	per km	2.2.10b	32,000		0	-	Extreme hilly terrain, road will be made maintaining gradient for safe transportation
v	Transportation of drill rig & truck associated per drill	per km	2.2.8	36		0	-	
vi	Monthly accomodation charges for drilling camp	Monthly basis	2.2.9	50,000		0	-	
vii	Drill core preservation	per m	5.3	1,590		100	1,59,000	
viii	Land/crop compensation	per BH	5.6	50,000		0	-	
	Sub Total F						94,05,000	
	Total -(A to F)						2,36,03,721	
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 subject to a maximum of Rs. 5 lakh			4,72,074	This amount will be reimburse 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.

I	Geological Report Preparation	5 Hard copies with a soft copy	5.2	For the projects having cost exceeding Rs. 150 lakhs but less than Rs. 300 lakh - A minimum of Rs. 7.5 lakhs or 3% of the value of work whichever is more.			7,50,000	This amount will be reimburse after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET by the EA.
J	Tendering cost	One time in case of component of Project work is outsourced	2.3	2% of the Cost subject to a maximum of Rs. 5 lakh			1,84,920	
M	Peer review Charges		As per EC decision				30,000	
N	Operational Charges		6 (ii)				8,18,450	




N	Total Estimated Cost without GST			2,58,59,165	
O	Provision for GST @ 18%			46,54,650	GST will be reimbursed as per actual and as per the applicable notified rate
P	Total Estimated Cost with GST			3,05,13,815	
			or Say in Lakhs (Rs.)	305.14	
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				
7	Estimated cost is tentative and subject to approval of revised SoC Rates				

Agenda 13.3.2 Reconnaissance survey for nickel- cobalt, PGE and Chromium in and around Phangrai area, Kherul District, Manipur

[Implementing Agency: M/s UEIPL]

- a) The project was approved in 35th EC meeting held on 16th May 2024 with time period of 12 months. The sanction order was issued on 6th June 2024 with approved cost was ₹ 1.16 crore.
- b) The agency requested for change in the project title of the citing the local issue related to name 'Phangrai' by two local villages and requested for timeline extension.
- c) The TCC-II agreed to recommend the proposal to EC for approval of change of project title and timeline extension of 12 months up to 5th June 2026. The committee advised the agency to submit a formal requisition to NMEDT for timeline extension with proper justifications.

Recommendation of TCC-II:

The committee recommends the proposal for approval of EC for “change of project title as ‘Reconnaissance survey for nickel- cobalt, PGE and Chromium in and around Lungher and Sihai area, Ukhul district, Manipur’ and timeline extension of one year up to 5th June 2026 for final GR submission”.

Agenda 13.3.3 Reconnaissance survey for Limestone in Bhatiya-Gokalpur area, Devbhumi Dwarka District, Gujarat

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

- a) The project was approved in 40th EC meeting held on 21st February 2025 with time period of 8 months. The sanction order was issued on 3rd March 2025 with approved cost was ₹69.61 Lakh.
- b) The agency informed that the project was initiated immediately, and field work commenced on 18.3.2025. The study area represents Tertiary rocks mainly belonging to the Gaj and Miliolite Formations. The Gaj Formation is composed of limestone and marl, with exposures being moderately massive, yellowish to off white, fine to medium grained, fossiliferous, and effervescent with dilute hydrochloric acid. On weathered surfaces the limestone appears greyish to greenish and contains abundant fossils such as bryozoans, pelecypods, and gastropods. Bedding is generally obscure though observed outside the study area as stratified units with moderately thick beds (30–50 cm) trending from north south to N50°W–S50°E and showing very shallow westerly dips of 3–7°. In addition, bands of gypsum within clayey soil are noticed at some localities. Indirect evidence from the northeastern part of the study area indicates the presence of greyish white limestone of the Miliolite Formation though bedding is not well defined. Overall rock exposures are scanty and the surface is largely covered with sandy or stony calcareous soil and alluvium with bedding being appreciable only near Ismailshah Mazar and in the southwestern part of the area.



- c) The agency informed that the geological mapping on 1:12500 scale was achieved along with collection of 60 bedrock samples and chemical analysis of 60 bedrock samples was achieved of the total quantum. The chemical analysis shows average 47.64 percent of Cao with maxima at 53.48 percent and minima at 22.08 percent. The agency informed that the DGPS survey for boundary points and borehole points has been completed.
- d) The agency requested for two months timeline extension for completion of the project.
- e) The committee accepted the proposal of the timeline extension of two months for completion of the project.

Recommendation of TCC-II:

The committee recommended the proposal for approval of PSC for timeline extension of 2 months up to 2st January 2026.

Agenda 13.3.4 Reconnaissance Survey for mineral-Rock Phosphate in Randha, Jaisalmer district, Rajasthan.

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

- a) The project was recommended in 36th EC meeting held on 29th July 2024 with time line of 12 months. The sanction order was issued on 13th September 2024 with approved cost was ₹ 1.37 crore.
- b) The agency informed that geological mapping on 1:12500 scale has been completed along with 300 cubic meters of trenching as against the approved 200 cubic meters, chemical analysis of 178 samples. P₂O₅ value in trench samples ranges from 1.2 percent to 1.6 percent.
- c) The agency informed the committee that the primary reason of delay in exploration work is due to the time taken for the procurement and commissioning of the ED-XRF equipment at FAGMIL laboratory. The 1st tender was floated on 20.10.2024 and after re-tendering the machine was delivered on 31.07.2025.
- d) The delay in completion of laboratory analysis was primarily due to non-delivery by the first vendor leading to cancellation and re-tendering, regulatory compliance processes, including AERB Certification. Installation, calibration, and validation with CRM standards to ensure reliability of results.
- e) The delay was beyond the reasonable control of FAGMIL and arose out of procurement and regulatory factors, in conformity with GFR provisions
- f) The agency informed the committee that the surface P₂O₅ grades appear subdued due to weathering and dilution; however, subsurface drilling has confirmed comparable grades (5–12% P₂O₅) in the Birmania block, as evident from the Birmania borehole data.
- g) The agency requested for timeline extension and for carrying out 50 m each may be drilling at boreholes BH1 and BH2 on the exposed phosphorite beds.
- h) The TCC-II agreed to recommend the proposal to PSC for approval of timeline extension of 4 months up to 13th January 2026 and carrying out drilling at boreholes BH1 and BH2.

Recommendation of TCC-II:

The committee recommended the proposal for approval of PSC for timeline extension of 4 months up to 13th January 2026 for final GR submission. Drilling in two test boreholes BH1 and BH2 will be done.

Agenda 13.3.5 Reconnaissance survey for Copper and associated Minerals in Sitapur area, Balaghat District, Madhya Pradesh.

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

- a) The project was recommended in 32nd EC meeting held on 8th December 2023 with time-line of 12 months. The sanction order was issued on 12th December 2023 with approved cost was ₹ 2.70 crore.
- b) The agency informed the committee about the completion of the project and that the Peer Review comments of Geological Report have been received. It informed to the committee about the recommendation of the report whereby the present the present exploration traced the eastward extension of the NE-SW trending low magnetic intensity shear zone into the Sitapur block. Test drilling of four boreholes upto 50-90 m depth did not intersect any significant copper mineralization. It is recommended to undertake deep earth imaging methods such as magnetotelluric/TDEM and high resolution deep IP surveys to identify favourable structures for potential deep-seated mineralization, if any.
- c) The agency further informed that they have received comments from Peer reviewer by email. Hard copy is awaited. Peer reviewer comments shall be attended and incorporated in the Geological Report. Final Report will be submitted by agency by 30th September 2025.
- d) The TCC-II committee agreed for final submission of final report after incorporation of peer reviewer comments.

Recommendation of TCC-II:

The committee agreed for submission of final Geological report.

Agenda 13.3.6 Preliminary exploration for Glauconitic Sandstone in Deulha block, Satna District, Madhya Pradesh.

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

- a) The project was recommended in 35th EC meeting held on 20th May 2024 with time-line of 12 months. The sanction order was issued on 4th June 2024 with approved cost was ₹ 1.05 crore.
- b) The agency informed the committee that the rocks of the area belong to the Semri, Kaimur, and Rewa Groups of the Vindhyan Supergroup, which unconformably overlies the Bundelkhand Granite basement. The Vindhyan succession is divided into the Lower Vindhyan (Semri Series) and the Upper Vindhyan (Kaimur, Rewa, and Bhandar Groups). The Rewa Series is exposed prominently in the Son Valley and consists of sandstone and shale, subdivided into the Panna Shale, Itwa Sandstone, Jhiri Shale, and Gahadra Sandstone. Several workers, including Mehta (1942), Mathur (1954), Rao (1972, 1980), Soni (1981), and others, have carried out geological studies in the adjoining regions, with particular attention given to glauconite-bearing horizons. Detailed exploration in the Pindra North Block by GSI (1980–1987) involved 23 drillholes totaling 456.90 m, intersecting glauconitic sandstone bands 10–19.4 m thick,

with an average thickness of 15.89 m. The exploration established about 266 million tonnes of proved reserves with an average grade of 4.90% K₂O, with large portions exceeding 5%. Subsequently, MECL conducted reconnaissance drilling in the Pindra South-West extension block over 39.23 sq. km, where 10 boreholes (472 m total) confirmed a continuous glauconitic sandstone horizon averaging 24.65 m in thickness. This work established about 1918 million tonnes of reconnaissance resources with an average grade of 6.96% K₂O.

- c) The agency informed the committee that it has completed G-3 Level of exploration over 8.5 sq km glauconitic sandstone has intersected in all 11 boreholes drilled, the thickness of the glauconitic sandstone varies from 20.50 mt. with 6.16% K₂O in borehole MDLH-04 to 24.00 mt. with 7.13% K₂O in borehole MDLH-01 borehole.
- d) The agency informed that a total 310 million tonnes with 6.78% of K₂O of resources have been estimated by cross sectional method in UNFC 333 category. The agency informed based on this exploration data it is recommended that the state government may auction the block.
- e) The agency further informed that GR (Geological Report) is finalised and ready for submission for peer review by 24th September 2025. The agency requested for one month that is up to Oct 2025.
- f) The TCC-II committee agreed for submission of report to peer review and timeline extension upto 31st October 2025.
- g) The TCC-II committee further suggested to Carry out model analysis of Glauconite grains, classify the glauconitic resources whether it is sandstone hosted or within shale. Submit the GR.

Recommendation of TCC-II:

The committee agreed for peer review of the geological report and recommended the proposal for approval of PSC for timeline extension of one month up to 31st October 2025.

Agenda 13.3.7 Preliminary exploration for Glauconitic Sandstone in Jhari block, Satna District, Madhya Pradesh.

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

- a) The project was recommended in 35th EC meeting held on 16th May 2024 with time-line of 9 months. The sanction order was issued on 4th June 2024 with approved cost was ₹ 74.40 lakhs.
- b) The agency informed the committee that it has completed G-3 Level of exploration over 5.1 sq km glauconitic sandstone has intersected in all 6 boreholes drilled, the thickness of the glauconitic sandstone varies from 19.25 mt. with 6.02% K₂O in borehole MJHR-04 to 20.20 mt. with 6.3% K₂O in borehole MJHR-05 borehole.
- c) The agency informed the committee that Geological report is finalized and will be ready for peer reviewer by first week of October, 2025. The agency requested for the timeline extension of one month up to 31st October, 2025.
- d) The TCC-II agreed for submission of final geological report to peer reviewer and recommended for the timeline extension up to 31st October, 2025.

Recommendation of TCC-II:



The committee agreed for peer review of the geological report and recommended the proposal for approval of timeline extension of one month up to 31st October 2025 to PSC.

Agenda 13.3.8 Preliminary exploration for Bauxite, Titanium and associated minerals in Anvrapat block, Lohardaga District, Jharkhand.

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

- a) The project was recommended in 37th EC meeting held on 23rd September 2024 with time-line of 8 months. The sanction order was issued on 23rd October 2024 with approved cost was ₹1.75 crore.
- b) The agency informed that it has carried out preliminary exploration over 1.02 sq.km. Bauxite deposit occurs on Pakhar plateau one of the main topographic unit in the area with altitudes between 760m to 1060m MSL. Laterite/bauxite is developed over the gneissic country rock belonging to Chotanagpur Gneissic Complex (CGC).
- c) The agency informed the committee that the resources to the tune of 12.52 MT of Bauxite and 7.00 MT of Aluminous laterite, 20.07 MT of Aluminous clay along with 27.05 MT of TiO₂ are estimated by polygon method at IBM cutoff.
- d) The agency informed the committee that the area under investigation falls under 332 category of resources under MEMC. This report will facilitate the Department of Mines & Geology (DMG), Government of Jharkhand for auctioning of the Bauxite Blocks as per the Minerals (Evidence of Mineral Contents) Rules, 2015.
- e) The agency informed the committee that the additional analysis for elements (Ga, V) need to be completed for 313 samples. In context of external check analysis, 34 elemental analysis results are awaited. The agency requested for timeline extension up to 20 October, 2025.
- f) The committee discussed about for the commercial viability of the resource estimated due to presence of high percentage of Fe content and advised the agency to specifically add Chapter on suitability of Bauxite resource in GR, indicating Fe₂O₃ content which is much higher & its commercial viability.
- g) The TCC-II committee agreed for the timeline extension up to 20th October, 2025.

Recommendation of TCC-II:

The committee recommended for approval of PSC for timeline extension up to 20th October 2025.

Agenda 13.3.9 Reconnaissance survey for Iron, Manganese and Associated Minerals in Jauli-Sailwara area, Jabalpur District, Madhya Pradesh.

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

- a) The project was recommended in 38th EC meeting held on 29th November 2024 with time-line of 10 months. The sanction order was issued on 13th December 2024 with approved cost was ₹1.35 crore.
- b) The agency informed the committee that the Jauli-Sailwara block is the part of Agori formation of Mahakoshal Greenstone belt. The block comprises of litho-units including Phyllites, Dolomite, BIF, Ferruginous quartzites. It further informed that geological mapping is completed, 60 percent trenching is completed. Analysis of collected

channel samples, chip samples, whole rock analysis samples results indicate Fe content greater than 35 percent. Primary samples Au by Fire Assay does not values above threshold.

- c) The agency requested for timeline extension up to 12th April 2026 for six months from its scheduled date of completion for remaining work completion.
- d) The committee asked the agency about the type of Iron formation and asked for the structural data of the mapped Iron formation to decipher their attitude that is required for planning the boreholes. The committee further inquired about the analysis and presence of Manganese in results. The committee suggested to carryout Manganese and associated minerals analysis and preparing interpolated map of Iron formation to understand its attitude.
- e) The TCC-II committee advised continuation of project work as per the approved quantum of work agreed for the timeline extension up to 12th April, 2026.

Recommendation of TCC-II:

The committee recommended the proposal for approval of PSC for timeline extension up to 12th April, 2026.

Agenda 13.3.10 Reconnaissance survey for Diamond in adjacent area of Angira-B and Angira-A area, Chhatarpur District, Madhya Pradesh.

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

- a) The project was recommended in 32th EC meeting held on 6th December 2023 with time-line of 10 months. The sanction order was issued on 12th December 2023 with approved cost was ₹6.16 crore.
- b) The agency discussed about the interpretation of completed magnetic and TDEM surveys regarding approval of the drilling quantum in the block. It further informed that the block is located within the Meso-Proterozoic Kaimur group platformal sediments. overlying on semri group of platformal sediments. The Ultramafic (Kimberlite / Lamproite Intrusions are younger to Kaimur Group of rocks and older to Rewa group of rocks. Small Limestone outcrops of middle to Upper Cretaceous Lameta group is also located in the block.
- c) The agency informed that it presented the results of magnetic data in 69th TCC meeting whereby low magnetic zones were demarcated for further detailed work. Further the detail magnetic and TDEM survey have been conducted to decipher the target for drilling. Based on the results it has identified the anomalous zones.
- d) The committee opined that the targeted zones dimensions are higher as compared to expected dimensions of Kimberlite / Lamproite Intrusions. Therefore, it suggested for the Keating analysis and of magnetic data and Stack analysis of magnetic data and TDEM data for identification of Kimberlite / Lamproite Intrusions and Get the susceptibility of host rocks /surrounding rocks. The committee suggested to do the analysis and show borehole plan in upcoming TCC meeting.
- e) The TCC-II recommended for timeline extension of 6 months.

Recommendation of TCC-II:

The committee advised continuation of project work as per the approved quantum of work.

Agenda 13.3.11 Reconnaissance survey for Glauconite, Phosphorite and REE in Ambara-Marū Block, Kachchh District, Gujarat.

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

- a) The project was recommended in 39th EC meeting held on 24th January 2025 with time-line of 10 months. The sanction order was issued on 24th February 2025 with approved cost was ₹2.29 crore.
- b) The agency informed the committee that the proposed block area consists of Cretaceous age to Jurassic age lithounits of Katrol and Bhuj Formations. Late Jurassic - Early Cretaceous age, Katrol formation covers maximum part of the study area and is characterized by the presence of Sandstone, Shale with Trigonina Fossils, Glauconitic Sand Stone, Oolitic Limestone, Conglomerate, Shale with Plant Fossils. Regional strike of the bedding plane is NW-SE. Rock beds are horizontal to gently dipping (5° to 20°) with general dip towards SW and exhibit gradational contact.
- c) The agency informed that the phase-I exploration results indicate the presence of Glauconite mineralization within the block, with lithological boundaries delineated at a 1:12500 scale. The agency requested for carrying out the scout borehole drilling at 1600x1600 grid spacing.
- d) The committee reviewed the outputs and suggested to do drilling of 04 boreholes each 30 m depth at 1600x1600 grid spacing on the exposed Glauconite formation.
- e) The TCC-II advised continuation of project work as per the approved quantum of work and

Recommendation of TCC-II:

The committee advised continuation of project work as per the approved quantum of work.

Agenda 13.3.12 Reconnaissance survey for Glauconite in Ambara West area, Kachchh District, Gujarat.

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

- a) The project was recommended in 38th EC meeting held on 24th November 2024 with time-line of 12 months. The sanction order was issued on 13th December 2024 with approved cost was ₹1.07 crore.
- b) The agency informed that the proposed block comprises Cretaceous to Jurassic lithounits of the Katrol and Bhuj Formations, with the Late Jurassic–Early Cretaceous Katrol Formation dominating the area and characterised by shale with calcareous sandstone, sandstone, shale containing Trigonina fossils, glauconitic sandstone, oolitic limestone, conglomerate and shale with plant fossils; regional bedding strike parallels the Guneri dome and trends NE–SW to E–W and NW–SE, while rock beds are horizontal to gently dipping—generally toward the SE (locally SW)—and display gradational contacts.
- c) The agency informed that the phase-I exploration results indicate the presence of Glauconite mineralization within the block, with lithological boundaries delineated at a

1:12500 scale. The agency requested for carrying out the scout borehole drilling at 1600x1600 grid spacing.

- d) The committee reviewed the outputs and opined that value of K₂O percentage (average value 3 percent for 74 BRS) is not encouraging and suggested for the complete analysis of BRS and Pit samples.
- f) The TCC-II advised continuation of project work as per the approved quantum of work.

Recommendation of TCC-II:

The committee advised continuation of project work as per the approved quantum of work.

Agenda 13.3.13 Preliminary exploration for Tin in Kangra block, Garhwal District, Uttarakhand.

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

- a) The agency did not present this project.

Agenda 13.3.14 Reconnaissance survey for Graphite in Korapara East Area, Bankura District, West Bengal.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The project was recommended in 39th EC meeting held on 24th January 2025 with time-line of 10 months. The sanction order was issued on 10th February 2025 with approved cost was ₹1.25 crore.
- e) The agency informed that geological mapping on 1:12,500 scale has been done and graphite bands have been mapped. The results of seven groove line samples shows average FC percentage value greater than 5 to maximum of 8 percent. Similarly, the results of the trench samples show FC average greater than 5 to maximum of 10.48.
- f) The agency shows geophysical Self potential survey has picked up the graphitic band and shows corroboration of geological and geophysical data.
- g) The agency presented their proposed drilling boreholes plan. The agency requested for the additional quantum in different fields of approved work plan based on the results.
- h) The committee opined that the proposed quantum of borehole plan is to optimized and suggested to add the proposed *Kaitam area (agenda item 13.1.12)* to the east of this block area targeting the north and south limbs of appear to be folded graphitic bands in Korapara east block.
- i) The committee suggested to submit the revised cost sheet with further additional borehole point to target the new carved out area.
- j) The committee recommended the merger of proposed Kaitam area with the Korapara east block to optimize the drilling cost and to check the subsurface continuity of mapped graphitic bands.

Recommendation of TCC-II:

The committee recommended the merger of proposed Kaitam area with the Korapara east block and with an estimated revised cost of ₹ 173.19 Lakh (including GST) Annexure 7 for the approval of PSC.

**Revised Cost of Reconnaissance survey for Graphite in Korapara East Area, Bankura District, West Bengal
Implementing Agency: MMPL**

Total Revised area: 30.68 sq km, Revised Period of Completion: 10 months, Revised No. of Bh:5

Total Revised area: 35.61 sq km, Revised Period of Completion: 15 months, Revised No. of Bh:12

Sl. Nos.	Item of work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Revised quantum for running block	Ruantit y for additional area of Katiam block	Cumulative revised quantity	Revised Cost	Justification for additional quantum
			SoC-Item-SI No	Quantity	Rates as per SoC	Total					
1	Geological Mapping (on 1:12,500) (16 sq km)										
	(a) Charges for Geologist in field (without labourer)	per day per Geologist	1.2. b	180	11,000	1980000	180	20	200	2200000	19 mandays for geological mapping, 23 mandays for trenching and bed rock sampling, 58 mandays for drilling
	(b) Charges for Geologist at Headquarters	per day per Geologist	1.2. a	60	9,000	540000	60		60	540000	
	(c) Wages for 2 labourers for geologist	per day	5.7	360	526	189360	360	40	400	210400	
2	Land/Crop compensation	per borehole	5.6	5	20000	100000	7	5	12	240000	Review after geological

											mapping is completed
3	Geochemical sampling (Bedrock sampling)	150nos (BRS :50 & PT:100)							0	0	
4	Geophysical survey (SP survey 5 L.km)	10 L.km						0	0	0	
	(a) Charges for 1 Geophysicist in field (without labourer)	per day	3.18b	0	11000	0	0	0	0	0	
	(b) Charges for 1 Geophysicist at Headquarters	per day	3.18a	30	9000	270000	30		30	270000	
	(c) Wages for 4 labourers in field with geophysicist	per day	5.7	0	504	0	0		0	0	
	(d) Charge for Gravity survey	per station	3.1a.i	0	3800	0	0		0	0	
	(e) Charge for Magnetic survey	per station	3.2a.i	0	1800	0	0		0	0	
	(f) Charge for SP survey(8-20 Line km)	per L.km	3.3a	1.25	29600	37000	1.25	0.5	1.75	51800	35 profile line of 150 m length to cover a strike length of 3500 m(Total 5250 line Km)
5	Survey work								0	0	
	(a) Surveyor Charges (without labourer)	per day	1.6.1a	0	8300	0	0		0	0	
	(b) Labour(4nos) charges for survey work	per day	5.7	0	504	0	0		0	0	

6	Technological Survey						0		0	0	
	(a) Pitting (Where BRS are not available)	per cu m	2.1.2	0	3800	0	0		0	0	
	(a) Trenching	per cu m	2.1.1	100	3330	333000	100	80	180	599400	8 number of trenches of 10m×1m × 1m
	(b) Drilling	per m in soft rock	2.2.1.3a	350	10100	3535000	400	100	500	5050000	5 borehole of 60 m legnth each
	(c) Borehole pillaring (construction of concrete pillar) 12 inches x12 inches x 30 inches	per borehole	2.2.7a	5	2000	10000	7	5	12	24000	
	(d) Transportation of Drill Rig and truck(to and from Headquarter s or Previous drill site)	per km	2.2.8	250	36	9000	250	250	500	18000	
	(e) Drilling camp setting cost	per drill	2.2.9a	1	250000	250000	1	1	2	500000	
	(f) Drilling camp winding cost	per drill	2.2.9a	1	250000	250000	1	1	2	500000	
	(g) Monthly accommodation charges for drilling camp	per month	2.2.9	2	50000	100000	2	2	4	200000	
	(h) Approach road making to drill site (as per actual)	per km	2.2.10a	5	22020	110100	5	2	7	154140	
	I) DGPS Survey for BH fixation & RL determination	Per Point of observation	1.6.2	-	19,200	-	7	5	12	230400	
7	Laboratory Studies								0	0	

	(a) Proximate analysis for graphite (BRS: 100; PT: 75; BH Core: 120)	per sample	4.1.16	295	3000	885000	340	125	465	1395000	BRS/channel samples= 100+20 nos, Trench samples=100+80, Core samples=140+100
	(b) Proximate analysis for graphite 10% external check	per sample	4.1.16	30	3000	90000	34	13	47	141000	
	c) Analysis of one rock/ soil sample for determination of a package by 34 elements by ICPAES / ICPMS (sequential technique)+10 % Check	per sample	4.1.14	22	7731	170082	22	11	33	255123	
8	Petrographic studies								0	0	
	(a) Preparation of thin sections	per sample	4.3.1	10	2353	23530	10	3	13	30589	
	(b) Study of thin sections	per sample	4.3.4	10	4232	42320	10	3	13	55016	
	Whole Rock Analysis by XRF	per sample	4.1.15a	10	4200	42000	10	3	13	54600	
	Sampler		1.5.2	45	5100	229500	45	30	70	357000	
	Labour		5.7	180	526	94680	180	120	280	147280	
9	Density	per sample	4.1	5	3540	17700	5	0	5	17700	
10	Drill core preservation (1 bh+ mineralised zone : as per actual)	per m	5.3	200	1590	318000	250	0	250	397500	
	TGC (Total Graphitic Carbon)	per sample	-		2500	0	20	0	20	50000	As per Actual
	Total					9626272				13688948	

11	Geological Report preparation (5 hard copies with a soft copy)	cost per 5 hard copies along with soft copy	5.2		As the exploration cost is exceeding 50 lakh but less than 150 lakh: a minimum of 2.5 lakh or 5% of the work whichever is more	481314				684447	686248.4
12	Peer Review	lumpsum	as per EC decision	1	30000	30000				30000	
13	Preparation of exploration proposal (5 hard copies with a soft copy)	one number (5 hard copies) along with soft copies	5.1	1	2% of approved project cost or 5lakh, whichever is lower	192525				273779	
	Grand Total of estimated cost:					₹ 1,03,30,111.04				₹ 1,46,77,174.36	
	Grand Total including 18%GST					₹ 1,21,89,531.03				₹ 1,73,19,065.74	52.50 Lakh increases from the previously approved cost
Note:							Total Estimated Cost with GST (in Lacs)			₹ 173.19	
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




Agenda 13.3.15 Preliminary exploration of Iron ore in Bamuri area, Sidhi District, Madhya Pradesh

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The project was recommended in 38th EC meeting held on 24th November 2024 with time-line of 12 months. The sanction order was issued on 6th January 2025 with approved cost was ₹2.86 crore.
- b) The agency informed the committee that topographic has been completed along with seven boundary point survey. Geological mapping has been completed on 1:4000 scale along with ten trenches across the strike along with the collection of structural data. Mapped lithology includes BHQ, BHJ, Phyllite and minor quartz intrusions. Channel sampling results show greater than 50 percent values for 95 samples out of total 200 samples. Fire assay sample analysis results were not encouraging. The agency discussed the magnetic anomaly data which had helped in demarcation of concealed BHQ, BHJ bands. The agency presented the borehole plan for 1st level (7 BHs) and 2nd level (2 BHs).
- c) The TCC-II reviewed the work and suggested to target the area where Fe content percentage is observed to be greater than 35 in a 400x400 grid spacing for 1st level boreholes.
- d) The committee advised continuation of project work as per the approved quantum of work. (Committee DISCUSSED THE POINT OF FEES PAID BY AGENCY FOR FOREST CLEARANCE)

Recommendation of TCC-II:

The committee advised continuation of project work as per the approved quantum of work.

Agenda 13.3.16 Reconnaissance survey Iron ore in Amhawa area, Sidhi District, Madhya Pradesh

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The project was recommended in 39th EC meeting held on 24th January 2025 with time-line of 12 months. The sanction order was issued on 10th February 2025 with approved cost was ₹4.08 crore.
- b) The agency informed the committee that topographic has been completed along with seven boundary point survey. Geological mapping has been completed on 1:4000 scale along with ten trenches across the strike along with the collection of structural data. Mapped lithology includes BHQ, BHJ, Phyllite and minor quartz intrusions. Channel sampling results show Fe₂O₃ percentage between 35 and 67 and BRS samples analysis shows Fe₂O₃ values greater than 42 for majority of samples. Fire assay sample analysis results were not encouraging. The agency completed the magnetic survey and show the results whereby bipolar magnetic feature indicate presence of Iron content and six trench sampling. The agency presented the borehole plan for 1st level and 2nd level boreholes.

- c) The committee reviewed the progress of project and suggested to start with 6 boreholes at 800m grid of 1st level to cover the strike of the BIF/BMQ and where values are above threshold.
- d) The committee advised continuation of project work as per the approved quantum of work.

Recommendation of TCC-II:

The committee advised continuation of project work as per the approved quantum of work.

Agenda 13.3.17 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 41th EC meeting held on 11th March 2025 with time-line of 10 months. The sanction order was issued on 23rd March 2025 with approved cost was ₹1.28 crore.
- b) The agency informed the committee that the LSM (Large Scale Mapping) on 1:12500 scale has been completed and geologically this area comprises of 4 basaltic flows based on the presence of Redbole beds in the contact of successive lava flows. Chemical analysis of 95 pit samples and elemental analysis of Ni, Cr, Co and Nb had been done. The agency requested for the initiation of boreholes drilling work.
- c) The committee reviewed the results and opined that the geochemical and elemental analysis results (Ni values not promising, Co, PGE content also negligible) are not encouraging. The committee advice that the closure of the project and submit the Geological report.

Recommendation of TCC-II:

The committee recommended the proposal for approval of PSC for pre-closure of the project and submission of Geological report.

Agenda 13.3.18 Reconnaissance survey for Graphite and Vanadium in and around Lalpani area, Lohit District, Arunachal Pradesh.

[Implementing Agency: M/s Kartikay Exploration and Mining Services Private Limited]

- a) The project was recommended in 38th EC meeting held on 29th November 2024 with time-line of 15 months. The sanction order was issued on 6th January 2025 with approved cost was ₹5.6 crore.
- b) DGM Arunachal Pradesh further briefed that new block has been identified with the help of GSI and also consent from NHPC has been obtained.
- c) The TCC-II Committee advised the agency to complete the geological mapping work in the project area and subsequently present the findings for review.

Recommendation of TCC-II:

The committee advised continuation of the project in new block in the adjacent area.

Agenda 13.3.19 Reconnaissance survey for Limestone in Sheelveta area, Karbi Anlong District, Assam

[Implementing Agency: DGM Assam]

- a) The project was recommended in 36th EC meeting held on 29th July 2024 with time-line of 12 months. The sanction order was issued on 29th August 2024 with approved cost was ₹2.67 crore.
- b) DGM requested for converting outsource components to inhouse components in the approved project.
- c) The committee agreed with the request and asked DGM to submit justification for converting outsource components to inhouse to NMEDT and submit the revised costsheet.

Recommendation of TCC-II:

The committee recommended the proposal for approval of PSC for “converting outsource components to inhouse components” in the approved project with an estimated revised cost of ₹ Rs 218.18 Lakh (including GST) as per Annexure 8.



Estimate Cost for Reconnaissance survey for Limestone in Sheelveta area, Karbi Anlong District, Assam
Area: 25 sq.km, Bhs. 8 nos (50 m), Spacing 1600, Timeline : 12 months, Review : after 5 months
Implementing Agency: DGM Assam

Schedule of Charges for Limestone in Sheelveta area, Karbi Anglong district, Assam							Schedule of Charges for Limestone in Sheelveta area, Karbi Anglong district, Assam			
SI No.	Work Activity	Item no as per SOC	Unit	Charges / Cost (in Rs)	Qty	Total (In Rs)	SI No.	Charges / Cost (in Rs)	Qty	Total (In Rs)
A. Geological Mapping							A. Geological Mapping			
1	Charges for Geologist (Field)	1.3	Days	11000	120	1320000	1	11000	120	1,32,0000
3	Labour charges for geological mapping	5.7		522	240	125280	3	522	240	1,25,280
4	Charges for Sampler	1.5.2		5100	48	244800	4	5100	26	1,32,600
5	Labour charges for sample work	5.7.0		522	192	100224	5	522	104	54,288
6	Borehole fixation and Determination of Coordinate & RL	1.6.2		19200	8	153600	6	19200	8	1,53,600
Sub Total A						1943904	Sub Total A			17,85,768
B. Pitting & Trenching							B. Pitting & Trenching			
1	Pitting and Trenching	2.1.1/2.1.2	per cu m	3800	75	285000	1	3800	75	2,85,000
Sub Total B						285000	Sub Total B			2,85,000
C. Core Drilling (As Approved by NMET to be outsourced)							C. Core Drilling (As required by NMET)			

1	Drilling – Soft rock	2.2.1.1b	Mtr	7168	400	2867200	1	5242	300	15,72,600
2	Land/Crop compensation in case BH falls in agricultural land	5.6	Per BH	20000	0	0	2	20000	6	1,20,000
3	Construction of concrete pillar (12" x 12" x 30")	2.2.7a	Per BH	2000	0	0	3	2000	6	12,000
4	Transportation of Drill rig & truck associated per drill	2.2.8	Km	36	0	0	4	36	420	15,120
5	Monthly accommodation charges for drilling camp (upto 2 Rigs)	2.2.9	Month	50000	0	0	5	50000	3	1,50,000
6	Drilling camp setting cost	2.2.9.a	Nos.	250000	0	0	6	250000	1	2,50,000
7	Drilling camp winding up cost	2.2.9.b	Nos.	250000	0	0	7	250000	1	2,50,000
8	Road making (Hilly terrain)	2.2.10.a	Km	32200	0	0	8	32200	15	4,83,000
9	Drill core preservation	5.3	Per m	1590	250	397500	9	1590	300	4,77,000
Total						3264700	Sub Total C			33,29,720
As the area falls in remote and inaccessible terrain in NE states and Hilly terrain, the amount is 3.35 times higher than the normal SoC.							As the area falls in remote and inaccessible terrain in NE states and Hilly terrain, the amount is 3.35 times higher than the normal SoC.			

Sub Total A+B+C (X3.35)						18403573.4	Sub Total A+B+C (X3.35)			1,80,91,634.80
D. Laboratory Studies (As Approved by NMET)							D. Laboratory Studies (As required by NMET)			
a) Chemical Analysis							a) Chemical Analysis			
1	Primary samples -190 core samples (CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ & LOI)	4.1.15.a	Per Sample	4200	350	1470000	1	4200	190	7,98,000
2	Check (10%) Primary sample-19 core samples (CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ & LOI)	4.1.15.a	Per Sample	4200	35	147000	1	4200	19	79,800
TOTAL						1617000	TOTAL			8,77,800
b) Physical Analysis							b) Physical Analysis			
1	Preparation of thin section	4.3.1	No.	2353	10	23530	1	2353	10	23,530
2	Bulk density determination	4.1.0	No.	3540	2	7080	2	3540	2	7,080
3	Petrographic Studies	4.3.4	No.	2353	10	23530	3	4232	10	42,320
4	Charges of one Geologist per day at HQ	1.3.a	Day	9000	30	270000	4	9000	90	8,10,000
TOTAL						324140	TOTAL			8,82,930
Sub Total D						1941140	Sub Total D			17,60,730
Total of A+B+C+D						20344713	Total of A+B+C+D			1,98,52,364.80
E Miscellaneous Charges							E Miscellaneous Charges			

1	Preparation of Exploration proposal	5.1	5 Hard Copies and Soft Copies	2% of the Total A+B+C+D		406894.26	1	2% of the Total A+B+C+D		3,97,047.30
2	Geological Report Preparation	5.2	5 Hard Copies and Soft Copies			750000	2			500000
3	Peer review charges		As per EC decision			30000	3			30000
	Tendering cost					218735				
	Operational Charges	6	9			921837				
Sub Total of E						2327466.26	Sub Total of E			9,27,047.30
Total of A+B+C+D+E						22672179.26	Total of A+B+C+D+E			2,07,79,412,.10
Provision for GST (18%)						4080992.267	Provision for GST (5%)			10,38,970,60
Total estimated Cost (With GST 18%)						26753171.53	Total estimated Cost (With GST 18%)			2,18,18,382.70
Rs 267.53 Lakhs							Rs 218.18 Lakhs			
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									

Agenda 13.3.20 Reconnaissance survey for Limestone in Dikurumetron area, Upper Deopani of Karbi Anglong District, Assam

[Implementing Agency: DGM Assam]

- a) The project was recommended in 36th EC meeting held on 29th July 2024 with time-line of 12 months. The sanction order was issued on 29th August 2024 with approved cost was ₹2.21 crore.
- b) DGM requested for converting outsource components to inhouse components in the approved project.
- c) The committee agreed with the request and asked DGM to submit justification to NMEDT and submit the revised cost sheet.

Recommendation of TCC-II:

The committee recommended the proposal for approval of PSC for “converting outsource components to inhouse components” in the approved project with an estimated revised cost of ₹ 170.69 Lakh (including GST) as per Annexure 9.



Estimate cost for Reconnaissance survey for Limestone in Dikurumetron area, Upper Deopani of Karbi Anglong District, Assam
Area_ 20 sq.km, BH. 6 nos (50m depth), spacing 1600, Schedule : 12 months , Review : after 5 months
Implimenting Agency: DGM Assam

Schedule of Charges for Limestone in Upper Deopani, Karbi Anglong District, Assam

SI No.	Work Activity	Item no as per SOC	Unit	Charges / Cost (in Rs)	Qty	Total (In Rs)	Charges / Cost (in Rs)	Qty	Total (In Rs)
A. Geological Mapping									
1	Charges for Geologist (Field)	1.3	Days	11000	120	1320000	11000	120	13,20,000
3	Labour charges for geological mapping	5.7		522	240	125280	522	240	1,25,280
4	Charges for Sampler	1.5.2		5100	34	173400	5100	10	51,000
5	Labour charges for sample work	5.7.0		522	136	70992	522	40	20,880
6	Borehole fixation and Determination of Coordinate & RL	1.6.2		19200	6	115200	19200	6	1,15,200
Sub Total A						1804872			16,32,360
B. Pitting & Trenching									
1	Pitting and Trenching	2.1.1/2.1.2	per cu m	3800	75	285000	3800	75	2,85,000
Sub Total B						285000			2,85,000
C. Core Drilling (As Approved by NMET to be outsourced)									
1	Drilling – Soft rock	2.2.1.1b	Mtr	7168	300	2150400	7168	150	10,75,200
2	Land/Crop compensation in case BH falls in agricultural land	5.6	Per BH	20000	0	0	20000	3	60,000

3	Construction of concrete pillar (12" x 12" x 30")	2.2.7a	Per BH	2000	0	0	2000	3	6,000
4	Transportation of Drill rig & truck associated per drill	2.2.8	km	36	0	0	36	600	21,600
5	Monthly accommodation charges for drilling camp (upto 2 Rigs)	2.2.9	Month	50000	0	0	50000	2	1,00,000
6	Drilling camp setting cost	2.2.9.a	Nos.	250000	0	0	250000	1	2,50,000
7	Drilling camp winding up cost	2.2.9.b	Nos.	250000	0	0	250000	1	2,50,000
8	Road making (Hilly terrain)	2.2.10.a	Km	32200	0	0	32200	15	4,83,000
9	Drill core preservation	5.3	Per m	1590	200	318000	1590	150	2,38,500
Total						2468400			24,84,300
As the area falls in remote and inaccessible terrain in NE states and Hilly terrain, the amount is 3.35 times higher than the normal SoC.									
Sub Total A+B+C (X3.35)						#REF!			1,47,45,561.00
D. Laboratory Studies (As Approved by NMET)									
a) Chemical Analysis									
1	Primary samples -190 core samples (CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ & LOI)	4.1.15.a	Per Sample	4200	250	1050000	4200	75	3,15,000
2	Check (10%) Primary sample- 19 core samples (CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ & LOI)	4.1.15.a	Per Sample	4200	25	105000	4200	8	33,600
TOTAL						1155000			3,48,600
b) Physical Analysis									
1	Preparation of thin section	4.3.1	No.	2353	10	23530	2353	10	23,530
2	Bulk density determination	4.1.0	No.	3540	2	7080	3540	2	7,080

3	Petrographic Studies	4.3.4	No.	2353	10	23530	2353	10	23,530
4	Charges of one Geologist per day at HQ	1.3.a	day	9000	30	270000	9000	30	2,70,000
TOTAL						324140			3,24,140
Sub Total D						1479140			6,72,740
Total of A+B+C+D						16354386			1,54,18,301.00
E Miscellaneous Charges									
1	Preparation of Exploration proposal	5.1	5 Hard Copies and Soft Copies			334987	2% of the Total A+B+C+D		3,08,366.02
2	Geological Report Preparation	5.2	5 Hard Copies and Soft Copies			750000			5,00,000
3	Peer review charges		As per EC decision			30000			30,000
	Tendering cost					165383			
	Operational Charges	6				745186			
Sub Total of E						2025556			8,38,366.02
Total of A+B+C+D+E						18774907			1,62,56,667.02
Provision for GST (18%)						3379483.26			8,12,833.35
Total estimated Cost (With GST 18%)						22154390.26			1,70,69,500.37
Rs 221.54 Lakhs							Rs 170.69 Lakhs		
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




Agenda 13.4 Project Evaluation for In-Principle Approval

Agenda 13.4.1 Reconnaissance survey for Bauxite and associated mineralization in Chakdipapat-Dokapat area, Gumla District, Jharkhand.

[Implementing Agency: M/s Gems Project Private Limited]

- a) The proposed area for reconnaissance survey (G4) of 20.82 sq. km. falls in Survey of India Toposheet numbers 73A/7 & 73A/8 in parts of Gumla district, Jharkhand. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received from GSI 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
2	AMD	As per the comments received, it has been informed that the proposed block does not overlap with any existing exploration area, and there is no ongoing exploration project within the proposed block
3	DMG Jharkhand	Director in the meeting informed that the proposed block may be overlapped with the three proposed blocks of DMG
4	MECL	No overlap with previously explored and currently explored block.

- b) The committee opined that chemical analysis of samples is not shown by the agency and suggested to carry out more work and come up with better results and presentation and modified area. The committee ask the DMG Jharkhand to send written reply within a week.
- c) The TCC-II did not agree for in-principle-approval to the proposed area and deferred the project proposal.

Recommendations of TCC-II

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

Agenda 13.4.2 Reconnaissance survey for Bauxite and associated mineralization in Manatu area, Gumla District, Jharkhand

[Implementing Agency: M/s Gems Project Private Limited]

- a) The proposed area for reconnaissance survey (G4) of 25.25 sq. km. falls in Survey of India Toposheet number 73A/8 in parts of Gumla district, Jharkhand. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received from GSI 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
2	AMD	As per the comments received, it has been informed that the proposed block does not overlap with any existing exploration area, and there is no ongoing exploration project within the proposed block
3	DMG Jharkhand	Director in the meeting informed that the proposed block may be overlapped with the three proposed blocks of DMG
4	MECL	No comments received

b) The committee opined that chemical analysis of samples is not shown by the agency and suggested to carry out more work and come up with better results and presentation and modified area. The committee ask the DMG Jharkhand to send written reply within a week.

c) The TCC-II did not agree for in-principle-approval to the proposed area and deferred the project proposal.

Recommendations of TCC-II

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

Agenda 13.4.3 Reconnaissance survey for Zirconium, RM/REE and associated mineralization in Kerakona-Manjhatoli area, Jashpur District, Chhattisgarh.

[Implementing Agency: M/s Gems Project Private Limited]

a) This project was not taken up as it pertained to 81st TCC-I.

Agenda 13.4.4 Preliminary exploration for REE and associated minerals in Jaldaji block, Barmer District, Rajasthan.

[Implementing Agency: M/s Geo Marine Solutions Private Limited]

a) The proposed block for preliminary exploration (G3) of 4.60 sq. km. falls in Survey of India Toposheet numbers 45C/5 & 45C/6 in parts of Barmer district, Rajasthan. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. Partial overlap with proposed FS 2026-27 proposed G3 project.
2	AMD	The comments had not been received at the time of the meeting.
3	DGM Rajasthan	
4	MECL	

b) As per the comment received from GSI there was a partial overlap with GSI proposed FSP 2026-27 G3 item.

c) The TCC-II committee discussed the proposal and agreed for in-principle-approval of the project.

d) The renotification of the agency is pending and therefore the approval cannot be accorded.

Recommendations of TCC-II

The committee did not agree for in-principle-approval of the proposal since the re-notification of the agency is still pending.

Agenda 13.4.5 Reconnaissance survey for Basemetal in Jaurasi-Tilari area, Pithoragarh District, Uttarakhand.

[Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed block for preliminary exploration (G4) of 127 sq. km. falls in Survey of India Toposheet numbers 62C/1, 62C/2, 62C/5 and 62C/6 in parts of Pithoragarh district, Uttarakhand. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. No ongoing exploration work is proposed in the study area. G4 stage exploration conducted in FS-2019-20 overlaps with the southern part of the proposed block.
2	AMD	The comments had not been received at the time of the meeting.
3	DMG Uttarakhand	
4	MECL	No overlap with current or previous exploration work of MECL

- b) The committee is of view that its execution to be after the outcome/result of ongoing G4 Project in Askot area by agency. Deferred for upcoming TCC-II meeting.
- c) The renotification of the agency is pending and therefore the approval cannot be accorded.

Recommendations of TCC-II

The committee did not agree for in-principle-approval of the proposal since the re-notification of the agency is still pending.

Agenda 13.4.6 Reconnaissance survey for REE in Nosar area, Barmer District, Rajasthan.

[Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed area for reconnaissance survey (G4) of 300 sq. km. falls in Survey of India Toposheet number 40O/13 & 40O/14 in parts of Barmer district, Rajasthan. The table of comments is as under

S.N.	Agency	Comment
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1	GSI	Comments received. Slight overlap with the proposed GSI FS 2024-25 G4 project. Overlap of Geomarine Pvt. Ltd G3 block with the Geovale Pvt. Ltd proposed block.
2	AMD	Comments received. No exploration work in the proposed area. No ongoing exploration.
3	DMG Rajasthan	The comments had not been received at the time of the meeting.
4	MECL	

- b) As per the comment received from GSI, RMT project was carried out by GSI in this area in FS 2020-21 & 2021-22. There is an overlap of the proposed block with the proposed exploration block of Geo Marine Solutions Private Limited.
- c) The TCC-II opined that in-principle-approval cannot be accorded for this proposal. NMET secretariat needs to verify the proposals of both NPEAs for avoiding any duplicity of work in the proposed area, until then the proposal will be kept on hold.
- d) The renotification of the agency is pending and therefore the approval cannot be accorded.

Recommendations of TCC-II

The committee did not agree for in-principle-approval of the proposal since the re-notification of the agency is still pending.

Agenda 13.4.7 Reconnaissance survey for Basemetal in Surat Singh Ji Ka Khera area, Chittorgarh District, Rajasthan.

[Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed area for reconnaissance survey (G4) of 207 sq. km. falls in Survey of India Toposheet number 45K/12 in parts of Chittorgarh district, Rajasthan. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. 60 % overlap with the completed GSI G4 project a GM report was submitted to State DMG
2	AMD	No comments received
3	DMG Rajasthan	Comments available. Representative from DMG informed that GM block was not auctioned
4	MECL	The comments had not been received at the time of the meeting.

- b) M/s Geovale Services Private Limited informed that the area is occupied by Meta-volcanics of Sujanpura Formation belonging of Hindoli Group. There are several large intrusive bodies of later generations having doleritic composition. Surface evidence of base metal mineralization has been observed in the form of malachite stains, limonitization and ferruginous encrustation, specks of primary sulphides like chalcopryrite, pyrite, and bornite in the quartzite of the Lassaria Formation. Cu ore deposits are associated with arsenopyrite and chalcopryrite minerals, mainly hosted in graphitic mica schist. Field observations from adjacent areas and ore petrography suggest that sulfide bearing phases occur as disseminations along fracture planes in

quartzite. Iron minerals, primarily hematite (with martitization) and specularite, are present in silicic rocks, which show signs of pulverization of constituent minerals. Different features indicate a possible epigenetic, hydrothermal type of mineralization in this area. No significant mineralized zone has been identified so far; hence, further detailed exploration is required.

- c) The TCC-II observed that the area proposed for the reconnaissance survey is excessively large and should be reduced to approximately 100 sq. km. As no mineralisation has been reported or established within the Berach Granite, this portion may be excluded from the proposed area. The Committee recommended in-principle approval for the proposal, subject to the reduction of the survey area to around 100 sq. km. The agency was advised to submit a Detailed Project Report (DPR) accordingly.
- d) The renotification of the agency is pending and therefore the approval cannot be accorded.

Recommendations of TCC-II

The committee did not agree for in-principle-approval of the proposal since the re-notification of the agency is still pending.

Agenda 13.4.8 Reconnaissance survey for Basemetal in Bamarda area, Sikar District, Rajasthan.

[Implementing Agency: M/s Geovale Services Private Limited]

Not reviewed. Deferred for next TCC-II meeting.

Agenda 13.4.9 Reconnaissance survey for REE in Kodki area, Kachchh District, Gujarat. [Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed area for reconnaissance survey (G4) of 221 sq. km. falls in Survey of India Toposheet numbers 41E/11, 41E/12, 41E/15 and 41E/16 in parts of Kachchh district, Gujarat. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received form GSI 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
2	AMD	Comments received. No exploration work in the proposed area. No ongoing exploration.
3	CMG Gujarat	The comments had not been received at the time of the meeting.
4	MECL	Comments Received. Overlapping with ongoing Sumarasar block for REE and proposed Bhuj Nirona Alkaline Plug block

- b) M/s Geovale Services Private Limited informed that Geovale's ongoing Bhuj projects (in adjacent area) reveal high potentials for REE in the clayey and sandy units of both

Bhuj and Katrol formations. Similar lithology is continuing in this block also. High total REE values from NGCM data (up to 1200 ppm) have been noted from this block.

- c) The TCC-II opined that the area proposed for reconnaissance survey is too large and needs to be reduced to around 100 sq. km. The committee noted that two more similar proposals in the adjacent areas have been proposed by the agency for REE. Considering these facts, the committee opined that initially only one proposal of Geovale may be recommended for the approval of EC and based on the positive outcomes subsequent proposals will be taken up. This proposal will be kept on hold till review of one approved project of Geovale for REE in this area.
- d) The renotification of the agency is pending and therefore the approval cannot be accorded.

Recommendations of TCC-II

The committee did not agree for in-principle-approval of the proposal since the re-notification of the agency is still pending.

Agenda 13.4.10 Reconnaissance survey for REE in Vandhay area, Kachchh District, Gujarat.

[Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed area for reconnaissance survey (G4) of 240 sq. km. falls in Survey of India Toposheet numbers 41E/8 & 41E/12 in parts of Kachchh district, Gujarat. The table of comments is as under.

S.N.	Agency	Comment
1	GSI	Comments received. Partial overlap with G4 Phosphorite block FS 2019-20. Area not encouraging for P ₂ O ₅ , REE
2	AMD	Comments received from AMD 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
3	CMG Gujarat	No comments received
4	MECL	Comments Received. Completely overlaps with the Nakhatrana Alkaline Plug block and partial overlap with Samatra Devpura Block

- b) As per the comment received from GSI, there is partial overlap with GSI's exploration areas. Also, at present there is no ongoing project of GSI in this area.
- c) M/s Geovale Services Private Limited informed that Geovale's ongoing Bhuj projects (in adjacent area) reveal high potentials for REE in the clayey and sandy units of both Bhuj and Katrol formations. Similar lithology is continuing in this block also. Geovale has conducted a field survey in potential areas, focusing on the lithological extension of the ongoing Bhuj block. During the survey, three bedrock samples were collected from this block: two from the ferruginous shale of the Katrol Formation and one from the ferruginous sandstone of the Chari Formation. The highest Total REE content recorded among these bed rock samples is 788 ppm.

- d) The TCC-II opined that the area proposed for reconnaissance survey is too large and needs to be reduced to around 100 sq. km. The committee noted that two more similar proposals in the adjacent areas have been proposed by the agency for REE. Considering these facts, the committee opined that initially only one proposal of Geovale may be recommended for the approval of EC and based on the positive outcomes subsequent proposals will be taken up. This proposal will be kept on hold till review of one approved project of Geovale for REE in this area.
- e) The renotification of the agency is pending and therefore the approval can not be accorded.

Recommendations of TCC-II

The committee did not agree for in-principle-approval of the proposal since the re-notification of the agency is still pending.

Agenda 13.4.11 Reconnaissance survey for REE in Vehro area, Kachchh District, Gujarat.

[Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed area for reconnaissance survey (G4) of 313 sq. km. falls in Survey of India Toposheet numbers 41E/7, 41E/8, 41E/11 and 41E/12 in parts of Kachchh district, Gujarat. The table of comments is and under

S.N.	Agency	Comment
1	GSI	Comments received. No exploration of REE in the area. Partial overlap with STM block of fs 2004-2006
2	AMD	The comments had not been received at the time of the meeting.
3	CMG Gujarat	
4	MECL	Comments Received. Completely overlaps with the Nakhatrana Alkaline Plug block and partial overlap with Samatra Devpura Block

- b) As per the comment received from GSI, there is no overlap with GSI's exploration areas. Also, at present there is no ongoing project of GSI in this area.
- c) M/s Geovale Services Private Limited informed that Geovale's ongoing Bhuj projects (in adjacent area) reveal high potentials for REE in the clayey and sandy units of both Bhuj and Katrol formations. Similar lithology is continuing in this block also. Also, high Σ REE values up to **680 ppm** are shown from NGCM data.
- d) The TCC-II opined that the area proposed for reconnaissance survey is too large and needs to be reduced to around 100 sq. km. The committee noted that two more similar proposals in the adjacent areas have been proposed by the agency for REE. Considering these facts, the committee opined that initially only this proposal of Geovale will be recommended for the approval of EC and based on the positive outcomes subsequent proposals will be taken up.
- e) The renotification of the agency is pending and therefore the approval cannot be accorded.

Recommendations of TCC-II

The committee did not agree for in-principle-approval of the proposal since the re-notification of the agency is still pending.

Agenda 13.4.12 Reconnaissance survey for Vanadium, Graphite, Barium and associated mineral in Chamdewal-Madlak area, Champawat District, Uttarakhand.

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

- a) The proposed area for reconnaissance survey (G4) of 51.00 sq. km. falls in Survey of India Toposheet numbers 62C/3 & 62C/7 in parts of Champawat district, Uttarakhand. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received from GSI 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
2	AMD	The comments had not been received at the time of the meeting.
3	DGM Uttarakhand	
4	MECL	Comments Received. No overlap. No exploration in the proposed area.

- b) As per the comment received from GSI, there is no overlap with GSI's exploration areas. Also, at present there is no ongoing project of GSI in this area.
- c) M/s Ocean Drilling & Exploration Private Limited informed that the analytical results of composite stream sediment/slope wash samples from NGCM show V content varies from 43 ppm to 569 ppm. Ba content varies from 272 ppm to 6901 ppm. A G-4 stage reconnaissance survey was conducted in the western part of toposheet number 62C/3 over an area of 50 sq. km. Total 50 nos. of bedrock samples, 50 nos. channel samples, 15 nos. pitting and trenching samples, 11 nos. petrochemical samples, 15 nos. petrographic samples, 05 nos. XRD samples and 30 nos. fixed carbon and sulphur samples were collected. The BRS and channel samples (total 100 nos.) show Vanadium values range of 33 to 5212 ppm. Barium values range from 164 to 40518 ppm. The Yttrium values range from 23 to 444 ppm. The Molybdenum values range from 0.85 to 288 ppm. The BRS and channel samples (total 30 nos.) Shows Fixed Carbon values ranges from 1.21% to 7.06%.
- d) The TCC-II opined that the agency itself should do some limited sampling in the proposed area for more mineral evidences in the proposed area. The committee agreed for in-principle-approval of the proposal.

Recommendations of TCC-II

The committee accorded in-principle-approval of the proposal.

Agenda 13.4.13 Reconnaissance survey for Phosphorite and associated minerals in Bhinyad, Dharvi Kalan block, Udaipur District, Rajasthan.

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

- a) The proposed area for reconnaissance survey (G4) of block A 12.00 sq. km. & block B 13.00 sq. km. falls in Survey of India Toposheet numbers 40N/7 in parts of Udaipur district, Rajasthan. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. No overlap. No exploration. G4 Exploration and G3 exploration. Identified lean zones.
2	AMD	The comments had not been received at the time of the meeting.
3	DMG Rajasthan	
4	MECL	

- b) As per the comment received from GSI, G4 and G3 level exploration work has been done by GSI in this area. GSI report indicates very low P_2O_5 , high Fe_2O_3 & high SiO_2 in this area. The area was not recommended by GSI for any further exploration work.
- c) The TCC-II opined that there are no significant values of P_2O_5 present in the area.

Recommendations of TCC-II

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

Agenda 13.4.14 Preliminary exploration for Fluorite, Nb, Mo, Sn and associated minerals in Chatwara block, Jalore District, Rajasthan.

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

- a) The proposed area for preliminary exploration (G3) of 3.67 sq. km. falls in Survey of India Toposheet numbers 45D/1 in parts of Jalore district, Rajasthan. The table of the comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. No overlap. No exploration. G4 Exploration and G3 exploration. Identified lean zones.
2	AMD	The comments had not been received at the time of the meeting.
3	DMG Rajasthan	Comments received
4	MECL	The comments had not been received at the time of the meeting.

- b) As per the comment received from GSI, G4 level exploration has been done by GSI in this area and further exploration was recommended.
- c) DMG Rajasthan informed that a block has been auctioned in adjacent area for Fluorite.
- d) The TCC-II asked DMG, Rajasthan to submit the details of the auctioned block to NMEDT. The proposal to be kept on hold till status of the auctioned block is received by NMEDT.

Recommendations of TCC-II

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

Agenda 13.4.15 Reconnaissance survey for REE and RM mineralization in part of Akadara-Santara-Jhund area, Balotra District, Rajasthan.

[Implementing Agency: M/s Virden Environet LLP]

- a) The proposed area for reconnaissance survey (G4) of 83.18 sq. km. falls in Survey of India Toposheet numbers 40N/16 & 40O/13 in parts of Balotra district, Rajasthan.

The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received from GSI 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
2	AMD	The comments had not been received at the time of the meeting.
3	DMG Rajasthan	
4	MECL	

- b) As per the comment received from GSI, RMT has been done by GSI in this area and the proposed area was not recommended for further exploration. Comments from DMG, Rajasthan were pending during the meeting.
- c) M/s Vardan Environet LLP informed that the geologist's team of Vardan Environet LLP has carried out field work in the area and it is observed that the proposed area has a sufficient exposure of varied volcanics exposed, with profuse iron and carbonate venation hence providing a better chance of striking mineralisation in the area. Total 10 samples were collected during the field visit but REE results are awaited.
- d) The TCC-II opined that the proposal may be kept on hold till the receipt of chemical analysis of the samples.

Recommendations of TCC-II

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

Agenda 13.4.16 Preliminary exploration for Low grade Iron and associated mineralization in Sitla Ki Khoh and Khoh block, Gwalior District, Madhya Pradesh.

[Implementing Agency: M/s Vardan Environet LLP]

- a) The proposed area for preliminary exploration (G3) of 5.42 sq. km. falls in Survey of India Toposheet numbers 54J/4 in parts of Gwalior district, Madhya Pradesh. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. Falls in G4 exploration fs 2022-23
2	AMD	The comments had not been received at the time of the meeting.
3	DMG Madhya Pradesh	
4	MECL	

- b) As per the comment received from GSI, G4 level exploration has been done by GSI in this area. Presently a G3 level exploration is ongoing in the adjacent part of the proposed block.
- c) M/s Vardan Environet LLP informed that the area has been identified and recommended for iron exploration by GSI in FS 2022-23. Fe values in BRS are between 30 to 40%, while 5 samples have values more than 40%.
- d) The TCC-II did not agree to recommend the proposal as the values of Fe are not so encouraging for G3 stage of exploration.

Recommendations of TCC-II

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

Note: Agenda 13.4.17, 13.4.18, 13.4.19, 13.4.20, 13.4.22, 13.4.23 & 13.4.24 were not discussed in the meeting due to time constraint. These agenda will be discussed in next TCC-II meeting.

Agenda 13.4.21 Reconnaissance survey for Graphite in Popo area, Purulia District, West Bengal.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed area for reconnaissance survey (G4) of 52.84 sq. km. falls in Survey of India Toposheet numbers 73J/5 & 73J/9 in parts of Purulia district, West Bengal.

S.N.	Agency	Comment
1	GSI	Comments received from GSI that indicating that the proposed area does not overlap with FS 2021-22 project. It was also informed that no exploration activities have been undertaken within the proposed area.
2	AMD	The comments had not been received at the time of the meeting.
3	DMM West Bengal	
4	MECL	

- b) As per the comments received from GSI, the proposed Popo Block is showing 52% overlap with GSI FS 2021-22 item titled "Reconnaissance survey for basemetal (Cu, Pb, Zn) and Au mineralization in and around Kunchia, Purulia district, West Bengal and East Singhbhum district, Jharkhand (G4)". Although the commodity of the above-mentioned item was basemetal and Gold, graphite analysis was carried out during the study.
- c) The TCC-II opined that the proposal may not be taken up as GSI has already done G4 level exploration in more than 50% of the proposed area.

Recommendations of TCC-II

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

Agenda 13.4.25 Reconnaissance surveys (G4) for Manganese and associated minerals in Wajwana Kushalpura Talwara area District, Banswara, Rajasthan.

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

- a) The proposed area for reconnaissance survey (G4) of 42.40 sq. km. falls in Survey of India Toposheet numbers 46I/6 in parts of Banswara district, Rajasthan. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. Falls within FS 2016-17 G4 project area and partially overlap with a GM submitted by GSI to state govt. from the G4 project.
2	AMD	The comments had not been received at the time of the meeting.
3	DMG Rajasthan	Representative informed the approval by DMG
4	MECL	The comments had not been received at the time of the meeting.

- b) M/s APC Drilling & Construction Private Limited informed that, during FS 2020-21 GSI has done G4 level exploration for manganese in Kalinjara-Kasoomba area in Banswara District. The analytical results of BRS samples show significant MnO values up to 65.83%. In FS 2024-25 GSI carried out G4 level exploration for manganese in Partapur-Gopinath ka Gara in Banswara District. Total 15 BRS and 30 channel samples were collected from the manganese body. The analytical results are awaited. The proposed area is a further northern extension of the Manganiferous Phyllite body of GSI investigated area (FS 2020-21) and located to the east of GSI reconnaissance survey area of FS 2024-25.
- c) The TCC-II advised to carry out limited field visit and some sampling by the agency itself for more mineral evidences.

Recommendations of TCC-II

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

Agenda 13.4.26 Preliminary exploration (G3) for Graphite and associated Minerals in Jamdoli-Saloli Block, District, Alwar, Rajasthan.

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

- a) The proposed area for preliminary exploration (G3) of 9.10 sq. km. falls in Survey of India Toposheet numbers 54A/12 in parts of Alwar district, Rajasthan. The table of the comments is as under

S.N.	Agency	Comment
1	GSI	Comments received. Overlap with proposed two G3 blocks of GSI (IPR, September, 2025) based on G4 fs: 2019-20
2	AMD	The comments had not been received at the time of the meeting.
3	DMG Rajasthan	
4	MECL	

- b) As per the comments received from GSI, the proposed area is overlapping with GSI's proposed blocks for FS 2026-27. Internal Peer Review has been done for GSI's proposed blocks.
- c) In view of the above the TCC-II did not agree for recommendation of the proposed block.

Recommendations of TCC-II

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

Agenda 13.4.27 Reconnaissance survey for targeting possible KCR bodies in Sunwaha area, Chhatarpur District, Madhya Pradesh.

[Implementing Agency: M/s Gemcokati Private Limited]

- a) The proposed area for reconnaissance survey (G4) of 95.00 sq. km. falls in Survey of India Toposheet numbers 54P/4 in parts of Chhatarpur district, Madhya Pradesh. The table of comments is as under

S.N.	Agency	Comment
1	GSI	Comments received from GSI 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.
2	AMD	The comments had not been received at the time of the meeting.
3	DMG Rajasthan	
4	MECL	

- b) As per the comments received from GSI, there is no overlapping with any ongoing projects or previous areas of GSI.
- c) M/s Gemcokati Private Limited informed that the area is known for repeated occurrences of KIM i.e. 3 grains of Chrome Diopside at location no 303 from small nala within agricultural land. Ground geophysical survey is recommended in the soil covered catchment area by Authors. The area falls in the western margin of extended NE-SW Panna Diamond Field south of Bunder and Saptarshi cluster of Rio-Tinto. The area falls between two NE-SW parallel lineaments along the high Bouguer Gravity anomaly. High gravity anomaly is due to emplacement of ultra-basic/ basic rocks along the interface of BGC/ Vindhyan basin or tectonic thrust on the area or combined effect of both. Distribution of elements in the study area corresponds well with the lithology of the area. All rare Earth Elements and some trace elements like Ba, Rb, Sr, Zr, Y and Co show elevated concentration in the stream sediments over Vindhyan and Deccan Traps. Consistent presence of Kimberlite path finder elements viz Nb, Ce, La & Zr (LREE) were observed in soil & regolith samples of this area. The area is strongly recommended and further detailed study for delineating the prospective zone of mineralization. The reported occurrence of Chrome Diopside, geophysical anomaly (High gravity zone), distribution of Path finder trace elements suggests a potential area for KCR exploration. The area was ground validated and found to be suitable for taking up exploration work.

- d) The TCC-II advised use of aeromagnetic and remote sensing data for making alteration map. Geochemical prospecting was suggested by the committee in the proposed area.

Recommendations of TCC-II

The committee accorded in-principle-approval of the proposal.



List of participants attended 13th meeting of Technical-cum-cost Committee (TCC-II) of NMET held on 22nd, 23rd, 24th September, 2025 through video conferencing mode

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