Ministry of Mines
National Mineral Exploration and Development Trust
Minutes of the 94th Technical-cum-Cost Committee-1 (TCC-1) Meeting held on 16th, 17th and 18th April 2026 through video conferencing

The 94th Meeting of the Technical-cum-Cost Committee-I (TCC-1) of the National Mineral Exploration and Development Trust (NMEDT) was held via video conferencing under the chairmanship of Dr. S. Ravi, Deputy Director General (DDG), Geological Survey of India Training Institute (GSITI) and Chairman, TCC-1, NMEDT, on 16th, 17th and 18th April 2026. Members of TCC-1, NMEDT and representatives from GSI NR, GSI WR, GSI SR, GSI CR, GSI ER, GSI RSAS, Bengaluru, GSI, PSS CHQ, GSI NMH-IV, CGM Tamil Nadu, DGM MP, CGM Gujarat, DGM Chhattisgarh, DMG Rajasthan, DGM Maharashtra, DMG Odisha, DGM Telangana, DMG Jharkhand, MECL, M/s. Mining Associates and Pvt. Ltd., M/s. PRB Infra Projects Pvt. Ltd., M/s. MMPL Private Limited, FAGMIL, GMMCO, APC Drilling Construction & Pvt. Ltd., Kartikay Exploration and Mining Services Pvt. Ltd., Gemcokati Exploration Pvt. Ltd., Odisha Mining Corporation (OMC) Ltd., M/s. Vardan Environet LLP, M/s. Eartenviro Pvt. Ltd., M/s. Indian Mine Planners & Consultants, M/s. Geovale Services Pvt. Ltd., M/s. Geo Exploration and Mining Solutions, TGMDC, M/s Mining Tech Consultancy Services Limited, M/s Bhushilp Mines & Minerals Pvt. Ltd., have attended the meeting through their respective VC modes.

The list of participants is enclosed in Annexure-39.

Shri S. Dhanendran, Director, GSI and Member Secretary, TCC-1, NMEDT, welcomed Dr. S. Ravi, Dy. Director General, GSI and Chairman, TCC-1, NMEDT, Members of the TCC-1 and participants representing GSI, various Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs).

Dr. S. Ravi, Chairman of TCC-1, NMEDT, extended a warm welcome to all members of TCC-1 and participants representing various NEAs and NPEAs and conducted the proceedings as per circulated agenda.

Agenda 94.1: Technical evaluation of new project proposals

Agenda 94.1.1. Reconnaissance Survey (G4) for REE, Zr and Associated Minerals in Kolaiyanur area (Area: 45.43 Sq Km) District-Ariyalur, Tamil Nadu

[Implementing Agency: MECL]

a. The proposed block falls within Survey of India Toposheet No. 58M/04 and exposes rocks of the Cretaceous Cauvery Basin, comprising shallow marine sedimentary sequences with rich faunal succession of Albian–Maastrichtian age.
b. The Cretaceous succession of the Cauvery Basin is subdivided into the Uttatur, Trichinopoly and Ariyalur Groups on lithological basis. The proposed block is mainly occupied by mottled sandstone in the south, argillaceous sandstone and sand in the east, and Khondalite/Charnockite rocks of the Silakudi Formation

28.04.26 28/04/2026

(Ariyalur Group) in the western part.

c. Geological Survey of India carried out G2 stage exploration for cement-grade limestone in Puthuppalayam and Periyathirukonam blocks during FS 2018–19, and geochemical mapping under the NGCM programme in Toposheet Nos. 58M/04 & 58I/16 during FS 2005–06.
d. Analytical results of 10 stream sediment samples from the proposed Kolaiynur block showed anomalous ΣREE values of 809.20–2851.80 ppm (avg. 1651.90 ppm) with dominant LREE contribution, and Zr values of 2025–5921 ppm (avg. 3340.44 ppm), mainly from mottled sandstone.
e. In view of the above, the agency presented the block for G4 stage exploration to evaluate REE, zirconium and associated minerals through 1:12500 scale mapping, geochemical sampling (bedrock/soil/stream sediment), pitting and exploratory auger drilling under the UNFC G4 category.
f. The Committee reviewed the proposal and observed that the proposed block overlaps with the explored G4 block of Atomic Minerals Directorate for Exploration and Research for uranium and thorium minerals.
g. The Committee enquired about the field visit undertaken by the exploration agency, and the agency informed that no field visit had been carried out and no samples were collected.
h. The Committee also enquired about the development of an REE-enriched clay horizon over sandstone in the proposed block and its relevance to the mineral system for REE enrichment in clays.
i. The committee opined that clay horizons need to be proved which can be locale of REE.
j. The Committee advised the agency to undertake a detailed field visit, examine the development of clay horizons over sandstone, and collect samples for analysis of REE, Zr and associated minerals. The agency was further advised to submit a modified proposal with proper justification.

Sl. No.	Agency	Brief Comments
1	GSI	GSI has carried out General exploration for cement grade limestone in Puthuppalayam and Periyathirukonam Block, Ariyalur district, Tamil Nadu (G2) during the FS 2018-19, in the proposed area, which is under the process of auctioning for ML by the state government. Also, the CL blocks as per the sub rule 7(1)A submitted by various cement companies, which are under the process of auctioning by the state government, fall in the proposed block including, 1) Periyathirukonam & Udaiyavarthiyanu block submitted by M/s. UTCL; 2) PERIYATHRIUKONAM BLOCK 5 – submitted by M/s. Chettinad Cement Ltd. 3) Nagamangalam Block submitted by M/s. UTCL 4) KALPADI SOUTH Block submitted by M/s. Dalmia Cement Ltd. Also, the existing ML for limestone falls within the proposed blocks.
2	MECL	NA
3	AMD	AMD has not carried out worked any exploration / reconnaissance project in the proposed block. However In view of known potentiality for uranium in the

28.04.26

28/04/2026

		area, analysis of uranium and thorium may be included in the analysis list. Further, intimation regarding drilling of the boreholes, if any, during the exploration may be provided to AMD for gamma ray logging.
4	State DMG/DGM/CGM	Not Available
5	NMEDT	One NMEDT funded block and One G3/G2 auctionable block overlaps with the proposed area.

Recommendations of TCC-1:

The Committee deferred the proposal, as the proposed area overlaps with the explored block of Atomic Minerals Directorate for Exploration and Research and with ML and CL blocks submitted by Geological Survey of India to the State DGM. The Committee advised the agency to undertake a field visit, collect samples at regular intervals from the clay horizon, and submit a revised proposal along with analytical results.

Agenda 94.1.2. Preliminary Exploration (G3) for Glauconitic sandstone in Banhari Block, District Satna, Madhya Pradesh (Area 11.26 Sq. Km)
(Proposal ID: ME/DD/G3/MP/MECL/26-27/002)
[Implementing Agency: MECL]

a. The proposed block falls within Survey of India Toposheet No. 63D/09 and exposes sedimentary rocks of the Rewa Series, Vindhyan Supergroup**,** comprising Rohania Sandstone, Pindra Shale, Bhulwa Limestone, Banbiha glauconitic sandstone and Panna Shale.
b. Regional geological mapping of the area was carried out by various workers including Sanyal and Chakraborty (1982), along with earlier studies by Mehta, Mathur, Rao and Soni in adjoining parts.
c. Geological Survey of India carried out exploration during FS 1984–85 in about 12 sq. km of the Pindra North Block and estimated 266 million tonnes proved reserves with 4.90% K_2O**,** indicating large portions containing more than 5% K_2O**.**
d. To the west of Pindra North Block, two cancelled 10A2(b) leases, namely Chitrakoot-2 and Chitrakoot-3, explored by private agencies, reported proved mineable reserves of 50.46 million tonnes and 85.51 million tonnes, respectively.
e. Mineral Exploration and Consultancy Limited carried out reconnaissance and G3 exploration in adjoining blocks, estimating 1918 million tonnes @ 6.96% K_2O in Pindra SW Extension (UNFC 334), 317.04 million tonnes @ 6.80% K_2O in Deulha Block, 104.20 million tonnes @ 6.04% K_2O in Jhari Block (UNFC 333), and 1505.26 million tonnes @ 6.67% K_2O in Kisanpur Block (333+334).
f. The proposed block is upgradation of Kisanpur (G4) block of MECL.
g. In view of the above, the agency presented the proposed block for G3 stage exploration, considering the continuity of glauconitic sandstone and thickness intersected in boreholes drilled by Mineral Exploration and Consultancy Limited in the Kisanpur Block. The proposed work components include 1:4,000 scale detailed geological mapping, pitting/trenching and exploratory drilling to assess resources under the UNFC G3 category.
h. The committee discussed the proposal and agreed for recommendation.

28.04.26 28/04/2026

Sl. No.	Agency	Brief Comments
1	GSI	NA
2	MECL	NA
3	AMD	NA
4	State DMG/DGM/CGM	NA
5	NMEDT	This is upgradation of Reconnaissance survey (G4) for Glauconitic Sandstone in Kisanpur Block, Satna District, Madhya Pradesh. GR of G4 survey has been submitted and uploaded in NGDR.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) For Glauconitic Sandstone in Banhari Block, District: Satna, Madhya Pradesh (Area: 11.26 Sq. Km)" for approval of PSC, NMEDT with an estimated cost of Rs. 119.90 lakhs (including GST) with a timeline of 9 months for carrying out the proposed work and submission of report as per ANNEXURE – 1A & 1B. The item will be reviewed after 3 and 6 months.

28.04.26

28/04/2026

ANNEXURE 1A

Preliminary Exploration (G3) For Glauconitic Sandstone in Banhari Block, District: Satna, Madhya Pradesh (Area: 11.26 Sq. Km)
Drilling: 12 BH (650m); 1 stratigraphic BH upto 100 m, 11 BH upto 50 m; Completion Time- 09 Months, Review after 3 and 6 months.

S. No.	Item of Work	Unit	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item - Sl No.	Rates as per SoC	Qty.	Amount (Rs)	
A	**DETAIL GEOLOGICAL MAPPING with contouring (1:4000 scale)**						
i	**Geological mapping**	Sq.Km	1.1	18,300	11.26	206,058	
B	**OTHER GEOLOGICAL WORK**						
i	Charges for one Geologist- Field	day	1.2.1a	14,500	90	1,305,000	Core logging and sampling
ii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	556	180	100,080	
iii	Core Sampling -1 Samplers Labour charge not included	day	1.2.1b	7,850	41	321,850	
iv	4 labours/ party	day	5.8	556	165	91,740	
v	Demarcation of co-ordinates and Reduced Level (RL) of boreholes by DGPS	Nos.	1.3.2	24,000	16	384,000	12 boreholes + 4 Cardinal points
vi	Charges for one surveyor (1 Party)	day	1.3.1	10,500	30	315,000	Topographical Survey on 1:4000 scale
vii	4 labours/ party (As per rates of Central Labour Commissioner) for survey work	day	5.8	556	120	66,720	
viii	Charges for one Geologist per- HQ	day	1.2.1a	10,500	30	315,000	
					Sub Total- A+B	**3,105,448**	
C	**DRILLING (Outsourced)**						

28.04.26

28/04/2026

i	Drilling - Soft rock	m	2.2.1.1c	5,500	650	3,575,000	Drilling: 12 BH (650m); 1 stratigraphic BH upto 100 m, 11 BH upto 50 m; If the ore body does not encountered, BH may be closed pre-maturely
ii	Land / Crop Compansation	per BH	5.6	30,000	12	360,000	As per actuals
iii	Construction of concrete Pillar (12"x12"x30")	per BH	2.2.7	2,000	12	24,000	
iv	Borehole plugging by cement	per BH	2.2.8	10,000	12	120,000	
v	Core Preservation	m	5.3	1,590	375	596,250	1 stratigraphic BH and remaining mineralised zone
vi	Tendering Cost in case of outsourcing		5.9	2% of approved outsourced component	-	71,500	
vii	Reimbursement of cost in case of outsourced components of project work		6	10% of approved outsourced component		357,500	
					Sub Total- C	**5,104,250**	
D	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
a	i) Primary + Check Sample - 4 radicals viz. K2O, SiO2, Al2O3 & Fe2O3	Nos	4.1.17a	4,200	300	1,260,000	By XRF Method
b	ii) 10% External check samples	Nos	4.1.17a	4,200	30	126,000	
2	**Physical & Petrological Stusies**						

28.04.26

28/04/2026

i	a) Preparation of thin section	Nos	4.3.1	500	10	5,000	
ii	b) Complete petrographic study report	Nos	4.3.4	2,800	10	28,000	
iii	c) Modal analysis of thin section	Nos	4.3.7	4,590	10	45,900	
vi	D) Bulk Density - Dry/Saturated	Nos	4.8.3	2,500	5	12,500	
					Sub Total- D	**1,477,400**	
					Total A to D	**9,687,098.00**	
E	**Geological Report Preparation**		**5.2**	For the projects having cost exceeding Rs. 50 lakhs - Rs. 2.5 lakhs		**250,000**	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) with soft copy
F	**Peer review Charges**		**As per EC decision**			**30,000**	
G	**Preparation of Exploration Proposal (5 Hard copies with a soft copy)**	**5 Hard copies with a soft copy**	**5.1**	2% of the Cost or Rs. 5.00 Lakhs whichever is lower		**193,742**	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.
H	**Total Estimated Cost without GST**					**10,160,840**	
I	**Provision for GST (18% of I)**					**1,828,951**	GST will be reimbursed as per actual and as per notified prescribed rate
J	**Total Estimated Cost with GST**					**11,989,791**	
				or Say Rs. In Lakhs		**119.90**	

28.04.26

28/04/2026

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 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.

28.04.26

28/04/2026

ANNEXURE 1B

Preliminary Exploration (G3) For Glauconitic Sandstone in Banhari Block, District: Satna, Madhya Pradesh (Area: 11.26 Sq. Km)

S.No.	Activities	MONTHS									
		1	2	3	Review	4	5	6	Review	7	8	9
1	Camp setting											
2	Geological mapping											
3	Core drilling (1 rig)											
4	Geologist days (Field)											
5	Sampling days, core sampling											
6	Camp winding											
7	Laboratory studies											
8	Geologist days (HQ)											
9	Report writing/ Peer review											

*** Commencement of project will be reckoned from the day the exploration acreage is available along with all statutory clearances**

***Time loss on account of monsoon/agricultural activity/forest clearance/ local law & order problems will be addition to above time line.**

28.04.26

28/04/2026

Agenda 94.1.3. Preliminary Exploration (G3) for Limestone in Shantipara A Block in Junagadh District, Gujarat

[Implementing Agency: Mining Associates and Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 41K/08 and exposes miliolitic limestone of the Miliolite Series (Pleistocene age).
b. The miliolitic limestone is locally underlain by the Gaj Formation, comprising argillaceous to calcareous clays with gypsum bands, calcareous siltstone, sandstone and thin limestone bands, with laterite patches occurring between the Deccan Trap and Gaj Formation.
c. Regional investigations by Commissionerate of Geology and Mining Gujarat reported miliolitic limestone with average CaO of 43–45% and SiO_2 of 10–13%, indicating suitability for cement and industrial use. Surface exposures and proximity to existing limestone mines in the Shantipura area suggest favourable continuity, though subsurface thickness, grade and continuity remain unestablished.
d. In view of the above, the agency proposed the block for G3 stage exploration through 1:4000 scale mapping and systematic grid-pattern drilling to assess quantity, quality and classify resources under the UNFC G3 category.
e. The proposal was earlier presented during the 92nd TCC-1 meeting, where revision with justified borehole planning was advised.
f. The Committee noted that the proposal has since been modified accordingly and recommended the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	No ongoing/previous reconnaissance or exploration work has been carried out in the proposed area by GSI.
2	MECL	The proposed block by MAPL has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	NA
4	State DMG/DGM/CGM	CGM Gujrat has issued No Objection Certificate (NoC) for Shantipara-A Limestone Block (G3) and Shantipara-B Limestone Block (G3) to MAPL dated 29.01.2026.
5	NMEDT	One Major lease in the influence area (0.34Kms) of the proposed block. The proposed block do not overlap with NMEDT funded project.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for Limestone in Shantipara A Block, Junagadh District, Gujarat" for approval of PSC, NMEDT with an estimated cost of Rs. 66.17 lakhs (including GST) with a timeline of 6 months for carrying out the proposed work and submission of report as per ANNEXURE – 2A & 2B. The item will be reviewed after 3 and 5 months

ANNEXURE 2A

Preliminary Exploration (G3) for Limestone in Shantipara A Block, Junagadh District, Gujarat
Area 1.49 sq. km , Drilling: 210 m, No. of BH: 7 nos., Average borehole depth range: 30 m, Schedule timeline- 6 months, Review: After 3 and 5 Months

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC *	Qty.	Total Amount (Rs)	
A	**Geological Mapping Other Geological Work & Surveying**						
i	Geological mapping, (1:4000 scale) & sampling	Sq. km.	1.1	18,300	1.49	27,267	
ii	Charges for Geologist per day for **Field**	day	1.2.1a	14,500	70	1,015,000	For drilling supervision, core logging and sampling.
iii	Labours Charges	day	5.8	556	140	77,840	
iv	Charges for Geologist per day **(HQ)**	day	1.2.1a	10,500	30	315,000	
v	Charges for one Sampler per day	one sampler per day	1.2.1b	7,850	30	235,500	
vi	Labours Charges (for samplers)	day	5.8	556	120	66,720	
	Sub Total-A					**1,737,327**	
B	**Survey work**						
i	Charges for one surveyor per day (topographic survey 1:4000 Scale)	day	1.3.1	10,500	20	210,000	
ii	Labour (4 Nos.) per party	day	5.8	556	80	44,480	
iii	Demarcation of lease boundary, Fixation of Borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	Per Point of observation	1.3.2	24,000	12	288,000	(5BP+7BH)
	Sub Total-B					**542,480**	
C	**DRILLING (Outsource)**						(after review)

28.04.26

28/04/2026

1	Drilling (Soft Rock)	Per m	2.2.1.1c	5,500	210	1,155,000	No. of BH: 7 nos. with avg. depth of 300 m
2	Construction of concrete Pillars (12" *12" *30")	Per Borehole	2.2.7	2,000	7	14,000	
3	Borehole plugging by cement.	Per Borehole	2.2.8	10,000	7	70,000	Lumpsum
4	Land/Crop compensation	Per Borehole	5.6	30,000	7	210,000	As per actuals
5	Drill Core preservation	Per m	5.3	1,590	200	318,000	
	Sub Total-C					**1,767,000**	
D	**Laboratory Studies**						
1	**Chemical Analysis**						
i	Analysis of Major Oxides by XRF	Nos.	4.1.17a	4,200	220	924,000	20 BRS + 200 Core samples
	External Check samples (10%)	Nos.	4.1.17a	4,200	22	92,400	
2	**Physical, Petrological & Mineralogical studies**						
i	Preparation of thin section	Nos.	4.3.1	500	5	2,500	
ii	Complete Petrographic report of rock sample along with digital photographs	Nos.	4.3.4	2800	5	14,000	
iv	Bulk Density	Nos.	4.8.1	2500	2	5,000	
	Sub Total-D					**1,037,900**	
	Total Outsourced Components					1,155,000	
E	**Tendering Cost**	**5.9**				23,100	
F	**Technical Supervion Cost for outsourced Components**	**6**				115,500	
G	**TOTAL**					**5,223,307**	
H	**Preparation of Exploration Proposal**		**5.1**	2% of approved project cost or 5 lakh whichever is lower		104,466	
I	**Geological Report Preparation**	**5 Hard copies with a soft copy**	**5.2 (ii)**	Total cost exceeding 50 lakh but less than 150 lakh		250,000	
J	**Peer review**	Per review	**--**		**--**	30,000	As per EC decision
K	**Total Estimated Cost without GST**					**5,607,773**	

28.04.26

28/04/2026

L	Provision for GST (18% of K)	1,009,399	
M	Total Estimated Cost with GST	6,617,172	
	or Say Rs. In Lakhs	66.17	
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 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.		

28.04.26

28/04/2026

ANNEXURE 2B

Scheduled Timeline for Preliminary Exploration (G3) for Limestone in Shantipara A Block, Junagadh District, Gujarat

S. No.	Item of Work	1	2	3	REVIEW	4	5	REVIEW	6
1	Camp Setting								
2	Geological Mapping & Sampling								
3	Survey Party days								
4	Pitting/Trenching								
5	Surface Drilling (1 rig)								
6	Geologist Man days (Field)								
7	Geologist Man days (HQ)								
8	Sampler Man days								
9	Camp Winding								
10	Chemical Analysis of Surface samples								
11	Lab analysis of Drill Core Samples								
12	Processing of Analytical Data								
13	Report Writing								
Note:	*** Commencement of the project may be reckoned from the day exploration agency available with all necessary clearances**								
	*** Time loss on account of Forest Clearance, Monsoon, local law and order problems if any may be addition to the above timeline.**								

28.04.26

28/04/2026

Agenda 94.1.4. Preliminary Exploration (G3) for Limestone in Shantipara B Block in Junagadh District, Gujarat
[Implementing Agency: Mining Associates and Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 41K/08 and exposes miliolitic limestone of the Miliolite Series (Pleistocene age).
b. The miliolitic limestone is locally underlain by the Gaj Formation, comprising argillaceous to partly calcareous clays with gypsum bands, calcareous siltstone, sandstone and thin limestone bands, with laterite patches between the Deccan Trap and Gaj Formation.
c. Regional investigations by Commissionerate of Geology and Mining Gujarat reported miliolitic limestone with average CaO of 43–45% and SiO_2 of 10–13%, indicating suitability for cement and industrial applications. Surface exposures and proximity to existing limestone mines in the Shantipura area indicate favourable continuity, though subsurface thickness, depth continuity and grade-thickness relationships remain unestablished.
d. Accordingly, the agency proposed the block for G3 stage exploration through 1:4000 scale mapping and systematic grid-pattern drilling to assess quantity, quality and classify resources under the UNFC G3 category.
e. The proposal was earlier discussed during the 92nd TCC-1 meeting, wherein the Committee advised revision with staggered borehole pattern (800 m × 800 m spacing) maintaining an approximate 200 m influence zone from the block boundary, and enhancement of the proposed area in consultation with Commissionerate of Geology and Mining Gujarat.
f. The Committee noted that the proposal has since been modified accordingly and recommended the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	No ongoing/previous reconnaissance or exploration work has been carried out in the proposed area by GSI.
2	MECL	The proposed block by MAPL has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	NA
4	State DMG/DGM/CGM	CGM Gujrat has issued No Objection Certificate (NoC) for Shantipara-A Limestone Block (G3) and Shantipara-B Limestone Block (G3) to MAPL dated 29.01.2026.
5	NMEDT	4 Major (Limestone) and 2 Minor leases in the influence area of the proposed block (in 500m). Ground Gravity and Magnetic Surveys Carried out by Celestrial Horizon LLP. in Parts of Degree Sheet Nos. 41B, 41F, 41G, 41I, 41J, 41K, 41O, 41P, 46B, 46C Falling in the State of Gujarat, Union Territory of Dadra and Nagar Haveli and Daman and Diu as Part.

28.04.26

28/04/2026

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for Limestone in Shantipara B Block, Junagadh District, Gujarat" for approval of PSC, NMEDT with an estimated cost of Rs. 63.65 lakhs (including GST) with a timeline of 6 months for carrying out the proposed work and submission of report as per ANNEXURE – 3A & 3B. The item will be reviewed after 3 and 6 months.

ANNEXURE 3A

Preliminary Exploration (G3) for Limestone in Shantipara B Block, Junagadh District, Gujarat
Area 1.76 sq. km, Drilling: 180 m, No. of BH: 6 nos., Average borehole depth range: 30 m, Schedule timeline- 6 months, Review: After 3 and 5 Months

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Geological Mapping Other Geological Work & Surveying**						
i	Geological mapping, (1:4000 scale)	Sq. km.	**1.1**	18,300	1.76	32,208	
ii	Charges for Geologist per day for **Field**	day	**1.2.1a**	14,500	70	1,015,000	**For drilling supervision, core logging and sampling.**
iii	Labours Charges	day	**5.8**	556	140	77,840	
iv	Charges for Geologist per day **(HQ)**	day	**1.2.1a**	10,500	30	315,000	
v	Charges for sampler	day	**1.2.1b**	7,850	26	204,100	
vi	Labours Charges	day	**5.8**	556	104	57,824	
	Sub Total-A					**1,701,972**	
B	**Survey work**						
i	Charges for one surveyor per day (topographic survey 1:4000 Scale)	day	**1.3.1**	10,500	30	315,000	
ii	Labours Charges	day	**5.7**	556	120	66,720	
iii	Demarcation of lease boundary, Fixation of Borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	Per Point of observation	**1.3.2**	24,000	16	384,000	(10BP+6BH)
	Sub Total-B					**765,720**	
C	**DRILLING (Outsource)**						(after review)
i	Core Drilling: ~90m, No. of BH: 3 nos. at 800*800m grids	Per m	**2.2.1.1c**	5,500	180	990,000	

28.04.26

28/04/2026

ii	Construction of concrete Pillar (12" *12" *30")	Per Borehole	**2.2.7**	2,000	6	12,000	
iii	Borehole plugging by cement.	Per Borehole	**2.2.8**	10,000	6	60,000	Lumpsum
iv	Land/Crop compensation	Per Borehole	**5.6**	30,000	6	180,000	As per actuals as certified by local authorities subject to a maximum of 30,000 per borehole
v	Drill Core preservation	Per m	**5.3**	1,590	180	286,200	
	Sub Total-C					**1,528,200**	
E	**Laboratory Studies**						
1	**Chemical Analysis**						
i	Analysis of Major Oxides by XRF (BRS + primary + + composite, traces)	Nos.	**4.1.17a**	4,200	190	798,000	170 Core samples+20BRS
	external check (10%)	Nos.	**4.1.17a**	4,200	19	79,800	
2	**Physical, Petrological & Mineralogical studies**						
i	Preparation of thin section	Nos.	**4.3.1**	500	5	2,500	
ii	Complete Petrographic report of rock sample along with digital photographs	Nos.	**4.3.4**	2800	5	14,000	
iv	Bulk Density	Nos.	**4.8.1**	2500	2	5,000	
	Sub Total-E					**899,300**	
	Total Outsourced Components					**990,000**	
	Tendering Cost		**5.9**			**19,800**	
	Technical Supervision Cost		**6**			**99,000**	
F	**TOTAL**					**5,013,992**	
G	**Preparation of Exploration Proposal**		**5.1**	2% of approved project cost or 5 lakh whichever is lower	1	100,280	

28.04.26

28/04/2026

H	**Geological Report Preparation**	**5 Hard copies with a soft copy**	**5.2 (ii)**	Total cost exceeding 50 lakh but less than 150 lakh	1	250,000	
I	**Peer review**	Per review	**--**		**--**	30,000	As per EC decision
K	**Total Estimated Cost without GST**					**5,394,272**	
L	**Provision for GST (18% of M)**					**970,969**	
M	**Total Estimated Cost with GST**					**6,365,241**	
	or Say Rs. In Lakhs					**63.65**	
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 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.**						

28.04.26

28/04/2026

ANNEXURE 3B

Scheduled Time for Preliminary Exploration (G3) for Limestone in Shantipara B Block, Junagadh District, Gujarat

S. No.	Item of Work	1	2	3	REVIEW	4	5	REVIEW	6
1	Camp Setting								
2	Geological Mapping & Sampling								
3	Survey Party days								
4	Pitting/Trenching								
5	Surface Drilling (1 rig)								
6	Geologist Man days (Field)								
7	Geologist Man days (HQ)								
8	Sampler Man days								
9	Camp Winding								
10	Chemical Analysis of Surface samples								
11	Lab analysis of Drill Core Samples								
12	Processing of Analytical Data								
13	Report Writing								
Note:	*** Commencement of the project may be reckoned from the day exploration agency available with all necessary clearances**								
	*** Time loss on account of Forest Clearance, Monsoon, local law and order problems if any may be addition to the above timeline.**								

28.04.26

28/04/2026

Agenda 94.1.5. Preliminary Exploration (G3) for Limestone in Lambora Block, Junagadh District, Gujarat
[Implementing Agency: Mining Associates and Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 41K/04 and exposes calcareous sedimentary rocks of the Gaj and Dwarka Formations, resting unconformably over Deccan Trap basalt**.**
b. The Gaj Formation, comprising fossiliferous limestone interbedded with marl and calcareous clay, forms the main limestone horizon, while the overlying Dwarka Formation consists of white to grey shelly limestone occurring as thin but laterally persistent beds.
c. Miliolitic limestone occurs locally as discontinuous superficial deposits, with thin soil/alluvial cover in low-lying parts of the block. Only the Upper Member of the Dwarka Formation is exposed, comprising white to greyish-white shell limestone of 0.2 m to 0.8 m thickness.
d. Regional investigations by Commissionerate of Geology and Mining Gujarat during FS 1995–97 established the presence of limestone-bearing Gaj and Dwarka Formations and indicated favourable limestone potential in the Lambora region.
e. Geological Survey of India investigations in the Sepa–Sheriyakhan area during FS 1998–99 reported cement-grade limestone within the Gaj Formation with CaO 41–50%, low MgO and permissible silica, with average CaO 49.36% and MgO 2.68%, and recommended further exploration of the Gaj, Dwarka and Miliolitic formations.
f. In view of the above, the agency proposed the block for G3 stage exploration for limestone, involving 1:4000 scale detailed geological mapping, collection and chemical analysis of bedrock samples for grade and quality assessment, and systematic grid-pattern drilling to assess resources under the UNFC G3 category.
g. It was further informed that the agency carried out a field visit in the proposed block area and collected 06 samples (L1 to L6), which analysed CaO values ranging from 41% to 53%, with an average grade of 49.12% CaO.
h. The Committee reviewed the proposal and observed that the agency has judiciously planned the exploration strategy for the proposed block and has also maintained the requisite buffer zone for the area of influence.
i. The committee recommended the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	The proposal is for G4 stage Reconnaissance Survey is overlapping with already covered areas under Investigation for Bf and Chemical Grade Limestone in Sepa and Sheriyakhan area and Sheriyakhan-Deorana Area.
2	MECL	No overlapping
3	AMD	NA
4	State DMG/DGM/CGM	CGM Gujrat has issued No Objection Certificate (NoC) for Lambora Limestone Block to MAPL.
5	NMEDT	One auctionable block of limestone is overlapping with area of influence. No NMEDT funded project is present in the vicinity of the area.

28.04.26

28/04/2026

Recommendations of TCC-1:

The committee recommended the proposal titled "*Preliminary Exploration (G3) for Limestone in Lambora Block, Junagadh District, Gujarat*" for approval of PSC, NMEDT with an estimated cost of Rs. 106.25 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per ANNEXURE – 4A & 4B. The item will be reviewed after 3 and 6 months.

ANNEXURE 4A

Preliminary Exploration (G3) for Limestone in Lambora Block, Junagadh District, Gujarat
Area 9.97 sq. km, Core Drilling:300 m (After Review), No. of BH: 12 , Average borehole depth range: 25 m, Schedule timeline- 10 months, Review: After 3 & 6 Months

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Geological Mapping Other Geological Work & Surveying**						
	Geological mapping and contouring, (1:4000 scale) & sampling	Sq. km.	**1.1**	18,300	**9.97**	182,451	
i	Charges for Geologist per day for **Field**	day	**1.2.1a**	14,500	**90**	1,305,000	
ii	Labours Charges; Base rate (2 labours/Geologist)	day	**5.8**	556	**180**	100,080	
iii	Charges for Geologist per day **(HQ)**	day	**1.2.1a**	10,500	**120**	1,260,000	
iv	Charges for one Sampler per day	one sampler per day	**1.2.1b**	7,850	**60**	471,000	
v	Labours	day	**5.8**	556	**240**	133,440	
	Sub Total-A					**3,451,971**	
B	**Survey work**						
a	Charges for one surveyor per day (topographic survey 1:4000 Scale)	day	**1.3.1**	10,500	**30**	315,000	
b	Labour (4 Nos.) per party	day	**5.7**	541	**120**	64,920	
c	Demarcation of lease boundary, Fixation of Borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	Per Point of observation	**1.3.2**	24,000	**17**	408,000	12 BH + 5 Cardinal Points
	Sub Total-B					**787,920**	
D	**DRILLING (Outsource)**						
1	Core Drilling: 300m – (After Review), No. of BH: 12 nos. at 800*800m grids	Per m	**2.2.1.1c**	5,500	**300**	1,650,000	

28.04.26

28/04/2026

2	Construction of concrete Pillar (12" *12" *30")	Per Borehole	**2.2.7**	2,000	**12**	24,000	
3	Borehole plugging by cement.	Per Borehole	**2.2.8**	10,000	**12**	120,000	Lumpsum
4	Land/Crop compensation	Per Borehole	**5.6**	30,000	**12**	360,000	As per actuals as certified by local authorities subject to a maximum of 30,000 per borehole
5	Drill Core preservation	Per m	**5.3**	1,590	**290**	461,100	
	Sub Total-D					**2,615,100**	
E	**Laboratory Studies (Outsource)**						
1	**Chemical Analysis**						
i	Analysis of Major Oxides by XRF	Nos.	**4.1.17a**	4,200	**320**	1,344,000	290 Core+ 30 BRS
	Analysis of Major Oxides by XRF (external check (10%)	Nos.	**4.1.17a**	4,200	**32**	134,400	
2	**Physical, Petrological & Mineralogical studies**						
i	Preparation of thin section	Nos.	**4.3.1**	500	**5**	2,500	
ii	Complete Petrographic report of rock sample along with digital photographs	Nos.	**4.3.4**	2800	**5**	14,000	
iv	Bulk Density	Nos.	**4.8.1**	2500	**2**	5,000	
	Sub Total-E					**1,499,900**	
	Total Outsourced					**1,650,000**	
	Tendering Cost		**5.9**			**33,000**	
	Technical Supervision Cost		**6**			**165,000**	
F	**TOTAL**					**8,552,891**	
G	**Preparation of Exploration Proposal**		**5.1**	2% of approved project cost or 5 lakh	**1**	171,058	

28.04.26

28/04/2026

				whichever is lower			
H	**Geological Report Preparation**	**5 Hard copies with a soft copy**	**5.2 (ii)**	Total cost exceeding 50 lakh but less than 150 lakh	**1**	250,000	
I	**Peer review**	Per review	**--**	As per EC decision	**--**	30,000	
J	**Total Estimated Cost without GST**					**9,003,949**	
K	**Provision for GST (18% of J)**					**1,620,711**	
L	**Total Estimated Cost with GST**					**10,624,660**	
				or Say Rs. In Lakhs		**106.25**	

Note:	
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**
2	**In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.**
3	**If any part of the project is outsourced, the amount will be reimbursed as per the 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.**

28.04.26

28/04/2026

ANNEXURE 4B

Scheduled Time for Preliminary Exploration (G3) for Limestone in Lambora Block, Junagadh District, Gujarat

S. No.	Item of Work	1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	10
1	Camp Setting												
2	Geological Mapping & Sampling												
3	Survey Party days												
4	Pitting/Trenching												
5	Surface Drilling (1 rig)												
6	Geologist Man days (Field)												
7	Geologist Man days (HQ)												
8	Sampler Man days												
9	Camp Winding												
10	Chemical Analysis of Surface Samples												
11	Lab analysis of Drill Core Samples												
12	Processing of Analytical Data												
13	Report Writing												
14	Final Submission												
Note:	*** Commencement of the project may be reckoned from the day exploration agency available with all necessary clearances**												
	*** Time loss on account of Forest Clearance, Monsoon, local law and order problems if any may be addition to the above timeline.**												

28.04.26

28/04/2026

Agenda 94.1.6. Preliminary Exploration (G3) for Limestone in Mankhetra Block, Junagadh District, Gujarat
[Implementing Agency: Mining Associates and Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 41K/04 and exposes calcareous sedimentary rocks of the Gaj and Dwarka Formations, resting unconformably over the Deccan Trap basalt.
b. The Gaj Formation, comprising fossiliferous limestone interbedded with marl and calcareous clay, forms the main limestone horizon, while the overlying Dwarka Formation consists of white to grey shelly limestone occurring as thin but laterally persistent beds.
c. Miliolitic limestone occurs locally as discontinuous superficial deposits with thin soil/alluvial cover in low-lying parts of the block. Only the Upper Member of the Dwarka Formation is exposed, comprising white to greyish-white shell limestone of 0.2 m to 0.8 m thickness.
d. Regional investigations by Commissionerate of Geology and Mining Gujarat during FS 1995–97 established the presence of limestone-bearing Gaj and Dwarka Formations and indicated favourable limestone potential in the Lambora region.
e. Geological Survey of India investigations in the Sepa–Sheriyakhan area during FS 1998–99 reported cement-grade limestone within the Gaj Formation with CaO 41–50%, low MgO and permissible silica, with average CaO 49.36% and MgO 2.68%, and recommended further exploration of the Gaj, Dwarka and Miliolitic formations.
f. In view of the above, the agency proposed the block for G3 stage exploration for limestone through 1:4000 scale detailed geological mapping, collection and chemical analysis of bedrock samples for grade and quality assessment, and systematic grid-pattern drilling under the UNFC G3 category.
g. It was further informed that the agency carried out a field visit in the proposed block area and collected 03 samples (M1 to M3), which analysed CaO values ranging from 49% to 52%, with an average grade of 50.66% CaO.
h. The Committee reviewed the proposal and observed that the agency has judiciously planned the exploration strategy for the proposed block and has also maintained the requisite buffer zone for the area of influence.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block is completely overlap with Sheriyakhan-Deorana Area in Junagadh District, Gujarat FS 1998-2000 Acc. No. WRO-24096 invetigation area.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	CGM Gujrat has issued No Objection Certificate (NoC) for Mankhetra Limestone Block to MAPL.
5	NMEDT	No ongoing or completed NMEDT funded project in the area.

28.04.26

28/04/2026

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for Limestone in Mankhetra Block, Junagadh District, Gujarat" for approval of PSC, NMEDT with an estimated cost of Rs. 106.31 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per ANNEXURE – 5A & 5B. The item will be reviewed after 3 and 6 months.

ANNEXURE 5A

Preliminary Exploration (G3) for Limestone in Mankhetra Block, Junagadh District, Gujarat
Area 8.903 sq. km, Core Drilling: 375 m (After Review), No. of BH: 14 (1 stratigraphic BH upto 50 m + 13 BH upto 25m), Schedule timeline- 10 months, Review: After 3 & 6 Months

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Geological Mapping Other Geological Work & Surveying**						
	Geological mapping with contouring, (1:4000 scale) & sampling	Sq. km.	**1.1**	18,300	**8.903**	162,925	
i	a. Charges for Geologist per day for **Field**	day	**1.2.1a**	14,500	**90**	1,305,000	
ii	b. Labours Charges; Base rate (2 labours/Geologist)	day	**5.8**	556	**180**	100,080	
iii	c. Charges for Geologist per day **(HQ)**	day	**1.2.1a**	10,500	**30**	315,000	
iv	d. Charges for one Sampler per day (1 Party-2 months i.e. 60 days)	one sampler per day	**1.2.1b**	7,850	**60**	471,000	
v	e. Labours (4 Nos- i.e. 60 days*4 = 240 days)	day	**5.8**	556	**240**	133,440	
	Sub Total-A					**2,487,445**	
B	**Survey work**						
a	Charges for one surveyor per day (topographic survey 1:4000 Scale)	day	**1.3.1**	10,500	**30**	315,000	
b	Labour (4 Nos.) per party	day	**5.7**	556	**120**	66,720	
c	Demarcation of lease boundary, Fixation of Borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	Per Point of observation	**1.3.2**	24,000	**20**	480,000	(6BP+14BH)
	Sub Total-B					**861,720**	

28.04.26

28/04/2026

D	**DRILLING (Outsource)**						(after review)
1	Core Drilling: 350m – (After Review), No. of BH: 14 nos. at 800*800m grids	Per m	**2.2.1.1c**	5,500	**375**	2,062,500	
2	Construction of concrete Pillar (12" *12" *30")	Per Borehole	**2.2.7**	2,000	**14**	28,000	
3	Borehole plugging by cement.	Per Borehole	**2.2.8**	10,000	**14**	140,000	Lumpsum
4	Land/Crop compensation	Per Borehole	**5.6**	30,000	**14**	420,000	As per actuals as certified by local authorities subject to a maximum of 30,000 per borehole
5	Drill Core preservation	Per m	**5.3**	1,590	**365**	580,350	
	Sub Total-D					**3,230,850**	
E	**Laboratory Studies**						
1	**Chemical Analysis**						
i	Analysis of Major Oxides by XRF	Nos.	**4.1.17a**	4,200	**370**	1,554,000	340 core samples + 30 BRS
	Analysis of Major Oxides by XRF (external check (10%))	Nos.	**4.1.17a**	4,200	**37**	155,400	
2	**Physical, Petrological & Mineralogical studies**						
i	Preparation of thin section	Nos.	**4.3.1**	500	**5**	2,500	
ii	Complete Petrographic report of rock sample along with digital photographs	Nos.	**4.3.4**	2800	**5**	14,000	
iv	Bulk Density	Nos.	**4.8.1**	2500	**2**	5,000	
	Sub Total-E					**1,730,900**	
	Total Outsourced					**2,062,500**	
	Tendering Cost					**41,250**	
	Technical Supervision Cost					**206,250**	
F	**TOTAL**					**8,558,415**	
G	**Preparation of Exploration Proposal**		**5.1**	2% of approved project cost or 5 lakh	**1**	171,168	

28.04.26

28/04/2026

				whichever is lower			
H	**Geological Report Preparation**	**5 Hard copies with a soft copy**	**5.2 (ii)**	Total cost exceeding 50 lakh but less than 150 lakh	**1**	250,000	
I	**Peer review**	Per review	**--**	As per EC decision	**--**	30,000	
L	**Total Estimated Cost without GST**					**9,009,583**	
M	**Provision for GST (18% of M)**					**1,621,725**	
N	**Total Estimated Cost with GST**					**10,631,308**	
				or Say Rs. In Lakhs		**106.31**	
Note:							
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**						
2	**In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.**						
3	**If any part of the project is outsourced, the amount will be reimbursed as per the 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.**						

28.04.26

28/04/2026

ANNEXURE 5B

Scheduled time for Preliminary Exploration (G3) for Limestone in Mankhetra Block, Junagadh District, Gujarat

S. No.	Item of Work	1	2	3		4	5	6		7	8	9	10
1	Camp Setting												
2	Geological Mapping & Sampling												
3	Survey Party days												
4	Pitting/Trenching												
5	Surface Drilling (1 rig)												
6	Geologist Man days (Field)												
7	Geologist Man days (HQ)				REVIEW				REVIEW				
8	Sampler Man days												
9	Camp Winding												
10	Chemical Analysis of Surface Samples												
11	Lab analysis of Drill Core Samples												
12	Processing of Analytical Data												
13	Report Writing												
14	Final Submission												
Note:	*** Commencement of the project may be reckoned from the day exploration agency available with all necessary clearances**												
	*** Time loss on account of Forest Clearance, Monsoon, local law and order problems if any may be addition to the above timeline.**												

28.04.26

28/04/2026

Agenda 94.1.7. Preliminary Exploration (G3) for Limestone in Andhariyanes Block (6.88 Sq. km.) Upleta Taluka, Rajkot District, Gujarat (Proposal ID: ME/DD/G3/GJ/25-26/010)

[Implementing Agency: PRB InfraProjects Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 41K/01 and exposes trachyte, granophyre and basalt of the Deccan Traps, along with limestone of the Miliolite Formation. Regionally, numerous rhyolite dykes and massive rhyolite bodies indicate felsic volcanic activity.
b. Miliolitic limestone occurs locally as discontinuous superficial deposits, with thin soil/alluvial cover in low-lying parts of the block.
c. Regional geological investigations by Commissionerate of Geology and Mining Gujarat during FS 1995–97 established the presence of Tertiary limestone-bearing formations such as Gaj and Dwarka and indicated favourable limestone potential in the Saurashtra region.
d. The Committee also noted that the proposed area completely overlaps the Alec Hills Differentiated Complex Block (G4 stage; 692 sq. km), for which NOC was issued by Commissionerate of Geology and Mining Gujarat to Gujarat Mineral Research and Development Society on 11.11.2024 for exploration of Au, HREE, Nb and Zr. However, the representative of CGM present in the meeting clarified that the block was allotted only for G4 level survey and work has not progressed significantly; hence, the present proposal may be considered.
e. Geological Survey of India carried out reconnaissance survey in parts of Saurashtra during FS 1971–72 to study Quaternary sediments along the coast from Okha to Veraval and adjoining inland areas based on palaeontological and lithological characteristics.
f. Further GSI investigations during FS 1998–99 for BF- and chemical-grade limestone in coastal Saurashtra reported cement-grade limestone within the Gaj Formation with CaO 41–50%, low MgO and permissible silica, averaging CaO 49.36% and MgO 2.68%, and recommended further exploration of the Gaj, Dwarka and Miliolitic formations.
g. In view of the above, the agency proposed the block for G3 stage exploration for limestone through 1:4000 scale detailed geological mapping, collection and chemical analysis of bedrock samples for grade and quality assessment, and systematic grid-pattern drilling under the UNFC G3 category.
h. It was further informed that the agency carried out a field visit in the proposed block area and collected 04 samples (AD-01 to AD-04), which yielded average values of CaO 50.5%, MgO 1.06%, and SiO_2 4.93%.
i. The Committee reviewed the proposal and observed that about 50% of the proposed block area is occupied by volcanic rocks. The agency clarified that the elevated parts and hills are occupied by volcanic rocks, whereas outcrops of Miliolitic limestone occur in the valley portions.
j. The Committee also enquired about the limestone thickness and number of boreholes drilled in the adjacent Vadekhan Block explored by the same agency. The agency informed that limestone bands intersected in boreholes vary from 6–8 m in thickness and that the bedded limestone is variable in nature.
k. It was further observed that the proposed borehole plan also covered the rhyolite-bearing part. The Committee advised the agency to first undertake detailed mapping of the entire proposed block along with surface sample collection, and thereafter finalise borehole locations and drilling based on geological mapping and analytical results.

28.04.26 28/04/2026

l. The Committee recommended the proposal with modification of the area, excluding the pre-auction mining lease present within the block.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block is completely overlaped by M-I, GSI Acc. No. WRO-22210, Report title the Study of Volcanics and Associated Rocks of Alech Hills, Jamjodhpur Area; Jamnagar Districts, Gujarat by Dey A. et al., 1992. However, there are no ongoing reconnaissance or exploration projects pertaining to limestone in the proposed area.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	The proposed Andhariyanes Limestone Block (G-3, area: 6.88 sq.km) completely overlaps with the Alec Hills Differentiated Complex Block (G-4 stage; area: 692 sq. km), for which NOC has been issued to GMRDS dated 11.11.2024 for exploration of Au, HREE, Nb, and Zr.
5	NMEDT	One Preauction Mining lease of Limestone overlaps with the proposed block. There is no overlapping with NMEDT funded block in the proposed area.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for Limestone in Andhariyanes Block (3.27 Sq. km.) Upleta Taluka, Rajkot District, Gujarat" for approval of PSC, NMEDT with an estimated cost of Rs. 60.09 lakhs (including GST) with a timeline of 8 months for carrying out the proposed work and submission of report as per ANNEXURE – 6A & 6B. The item will be reviewed after 3 and 6 months.

28.04.26

28/04/2026

ANNEXURE 6A

Preliminary Exploration (G3) for Limestone in Andhariyanes Block (3.27 Sq. km.) Upleta Taluka, Rajkot District, Gujarat (Proposal ID: ME/DD/G3/GJ/25-26/010)
Area-3.27 Sq.km (BH- 6 nos, Total Drilling: 150 m (1 stratigraphic BH of 50 m; 5 BH of 20 m depth) Timeline: 8 months; Review after: 3 and 6 months

Item	Item of Work	Item	SOC Sr No & Rates		Estimated Cost		Remaeks
Sr No.	Item	Unit	Sr.No.	Rates	Qty.	Amount(Rs)	
A	**Survey work**						
1	DGPS Survey BH fixation and RL determination (6 BHP& 9 BP)	Per Point	1.3.2	24,000	**15**	360000	9 Cardinal points + 6 BH points
2	**Topographic Survey with 2m contour interval & Geological Mapping 1:4000 scale**						
i	**A)** Charges of 1 Surveyor for Geological mapping & Topogaphic survey	per day	1.3.1	10,500	**25**	262500	
ii	**B)** 4 Labours for survey work;	day	5.8	556	**100**	55600	
	Sub Total- A					**678100**	
B	**GEOLOGICALWORK (Mapping1:4000scale)**						
i	Large scale Geological Mapping/Traverse mapping/Detailed mapping in Peninsular India	Per sq. km	1.1	18300	**3.27**	59841	
ii	Charges for one Geologist-Field	day	1.2.1a	14,500	**80**	1160000	For Core logging, sampling and other geological work
iii	Charges for one Geologist per-HQ	day	1.2.1a	10,500	**30**	315000	
iv	2 labours / party	day	5.8	556	**160**	88960	
v	Sampling-1Samplers	day	1.5.2	7,850	**40**	314000	
vi	Sampling 4 labours/party	day	5.8	556	**160**	88960	
	Sub Total- B					**2026761**	
C	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
i	A. ChemicalAnalysis;Primary Core samples for 6 radicals i.e. CaO, MgO, Al2O3, SiO2, Fe2O3 and LOI	Nos	4.1.17a	4,200	**100**	420000	100 core samples

28.04.26

28/04/2026

ii	B. Chemical Analysis;Primary(Surface & Pit) samples for 6 radicals i.e. CaO, MgO, Al+K23:K242O3, SiO2, Fe2O3 and LOI	Nos	4.1.17a	4,200	**30**	126000	BRS
iii	C. External Check sample for analysis of 6 radicals i.e.CaO,MgO,Al2O3,SiO2,Fe2O3 and LOI.	Nos	4.1.17a	4,200	**13**	54600	
2	**Physical, Petrological, Mineralogical Studies**						
i	XRD studies for identification of minerals (Random)	Nos	4.5.2	4000	**0**	0	
ii	ICP-OES/ICP-MS(sequential technique) Sample packagee for 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) (Per BH 1 Sample)	Nos	4.1.15	7400	**2**	14800	other than limestone; basement
iii	Preparation of standard thin section of rock	Nos.	4.3.1	500	**5**	2500	
iv	Complete Petrographic / ore microscopic study / minerographic report of rock sample (along with 5Nos. Digitial photo micrographs	Nos	4.3.4	2800	**5**	14000	
3	**Geotechnical Laboratory**						
i	Bulk Density Determinations	Nos	4.8.3	2500	**2**	5000	
	Sub Total- C					**636900**	
D	**DRILLING (In House) (Drilling After Review)**						
i	Core Drilling (BH 6 Nos) (1 stratigraphic BH of 50 m; 5 BH of 20 m depth)	m	2.2.1.1c	5,500	**150**	825000	
ii	Land/Crop Compensation (As Per Requirement)	Per BH	5.6	30,000	**6**	180000	
iii	Construction of concrete Pillar (6 BHP + 9 BP)	Per BH	2.2.7	2,000	**6**	12000	
iv	Borehole plugging by cement	Lumpsum per borehole	2.2.8	10,000	**6**	60000	
v	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp,	Lumpsum	2.2.9	1		206250	

28.04.26

28/04/2026

	Camp Setting and winding, construction of Approach road (25% of total cost of drilling)						
vi	Core Preservation.	m	5.3	1,590	**120**	190800	
	Sub Total- D					**1474050**	
	Total A to D					**4815811**	
E	**Geological Report Preparation (A minimum of Rs. 2.5 lakhs**	**1No.**	**5.2**	Total cost of project up to ₹50 lakh: ₹1.50 lakh		**150000**	
F	**Peer review Charges**	**1No.**		30000		**30000**	
G	**Preparation of Exploration Proposal (2% of the Cost or Rs.5 Lakhs whichever is lower)**	**1No.**	**5.1**			**96316.22**	
H	**Total Estimated Cost without GST**					**5092127**	
I	**Provision for GST (18%)**					**916583**	
J	**Total Estimated Cost with GST**					**6008710**	
K	**Rs. In lacs**					**60.09**	
Note:							
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**						
2	**In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.**						
3	**If any part of the project is outsourced, the amount will be reimbursed as per the 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.**						

28.04.26

28/04/2026

ANNEXURE 6B

Scheduled time for Preliminary Exploration (G3) for Limestone in Andhariyanes Block (3.27 Sq. km.) Upleta Taluka, Rajkot District, Gujarat

Sr. No.	Item of Work	1	2	3		4	5	6		7	8
1	Pre field preparation				REVIEW				REVIEW		
2	Topographic survey and Geological Mapping (1:4000), Bed rock Sampling and Chemical analysis										
3	Drilling & Chemical analysis										
4	Interpretation of analytical data, finalization of litho logs, plates										
5	Review & report preparation / Peer review										
6	Final submission										

28.04.26

28/04/2026

Agenda 94.1.8. Preliminary Exploration (G3) for Limestone in Pransla Block (6.52 Sq. km.) Upleta Taluka, Rajkot District, Gujarat (Proposal ID: ME/DD/G3/GJ/25-26/009)

[Implementing Agency: PRB InfraProjects Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 41K/01 and exposes trachyte, granophyre and basalt of the Deccan Traps, along with limestone of the Miliolite Formation. Regionally, numerous rhyolite dykes and massive rhyolite bodies indicate felsic volcanic activity.
b. Miliolitic limestone occurs locally as discontinuous superficial deposits, with thin soil/alluvial cover in low-lying parts of the block.
c. Regional geological investigations by Commissionerate of Geology and Mining Gujarat during FS 1995–97 established the presence of Tertiary limestone-bearing formations such as Gaj and Dwarka and indicated favourable limestone potential in the Saurashtra region.
d. The Committee also noted that the proposed area completely overlaps the Alec Hills Differentiated Complex Block (G4 stage; 692 sq. km), for which NOC was issued by Commissionerate of Geology and Mining Gujarat to Gujarat Mineral Research and Development Society on 11.11.2024 for exploration of Au, HREE, Nb and Zr. However, the representative of CGM present in the meeting clarified that the block was allotted only for G4 level survey and work has not progressed significantly; hence, the present proposal may be considered.
e. Geological Survey of India carried out reconnaissance survey in parts of Saurashtra during FS 1971–72 to examine Quaternary sediments along the coast from Okha to Veraval, and further investigations during FS 1998–99 reported cement-grade limestone within the Gaj Formation with average CaO 49.36% and MgO 2.68%, recommending further exploration.
f. In view of the above, the agency proposed the block for G3 stage exploration through 1:4000 scale mapping, collection and chemical analysis of bedrock samples, and systematic grid-pattern drilling under the UNFC G3 category. The agency also carried out a field visit and analysed 04 samples (AD-01 to AD-04) yielding average values of CaO 50.5%, MgO 1.06%, and SiO_2 4.93%.
g. The Committee reviewed the proposal and observed that about 50% of the proposed block area is occupied by volcanic rocks. The agency clarified that the elevated parts and hills are occupied by volcanic rocks, whereas outcrops of Miliolitic limestone occur in the valley portions.
h. The Committee also enquired about the limestone thickness and number of boreholes drilled in the adjacent Vadekhan Block explored by the same agency. The agency informed that limestone bands intersected in boreholes vary from 6–8 m in thickness and that the bedded limestone is variable in nature.
i. It was further observed that the proposed borehole plan also covered the rhyolite-bearing part. The Committee advised the agency to first undertake detailed mapping of the entire proposed block along with surface sample collection, and thereafter finalise borehole locations and drilling based on geological mapping and analytical results.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block is completely overlaped by M-I, GSI Acc. No. WRO-22210, Report title the Study of Volcanics and Associated Rocks of Alech Hills, Jamjodhpur Area; Jamnagar

28.04.26

28/04/2026

		Districts, Gujarat by Dey A. et al., 1992. However, there are no ongoing reconnaissance or exploration projects pertaining to limestone in the proposed area.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	The proposed Pransla Limestone Block (G-3 stage; area: 6.52 sq. km) completely overlaps with the Alec Hills Differentiated Complex Block (G-4 stage; area: 692 sq. km), for which NOC has been issued to GMRDS dated 11.11.2024 for exploration of Au, HREE, Nb, and Zr.
5	NMEDT	One Mining lease of Limestone is situated in the vicinity of the proposed block. There is no overlapping with NMEDT funded block in the proposed area.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for Limestone in Pransla Block (6.52 Sq. km.) Upleta Taluka, Rajkot District, Gujarat" for approval of PSC, NMEDT with an estimated cost of Rs. 88.99 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per ANNEXURE – 7A & 7B. The item will be reviewed after 3 and 6 months.

ANNEXURE 7A

Preliminary Exploration (G3) for Limestone in Pransla Block (6.52 Sq. km.) Upleta Taluka, Rajkot District, Gujarat
(Proposal ID: ME/DD/G3/GJ/25-26/009)
(BH- 11 nos, Total drilling meterage: 275; each BH of 25 m depth. Timeline: 10 months Review after: 3 and 6 months

Item	Item of Work	Item	SOR Sr No & Rates		Estimated Cost		Remarks
Sr No.	Item	Unit	Sr.No.	Rates	Qty.	Amount (Rs)	
A	**Survey work**						
1	DGPS Survey BH fixation and RL determination (11 BHP& 6 BP)	Per Point	1.3.2	24,000	**17**	408000	11 BH + 6 cardinal points
2	**Topographic Survey with 2m contour interval & Geological Mapping1:4000 scale**						
i	**A)** Charges of 1 Surveyor for Geological mapping & Topographic survey	per day	1.3.1	10,500	**30**	315000	
ii	**B)** 4 Labours for survey work;	day	5.8	526	**120**	63120	
					Sub Total- A	**786120**	
B	**GEOLOGICALWORK (Mapping1:4000scale)**						
i	Detailed mapping 1:4000 scale with contouring	Per sq. km	1.1	18300	**6.52**	119316	
ii	Charges for one Geologist-Field	day	1.2.1a	14,500	**90**	1305000	
iii	Charges for one Geologist per-HQ	day	1.2.1a	10,500	**30**	315000	
iv	2 labours / party	day	5.8	556	**180**	100080	
v	Sampling-1Samplers	day	1.5.2	7,850	**45**	353250	
vi	Sampling 4 labours/party	day	5.8	556	**180**	100080	
					Sub Total- B	**2292726**	
C	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
i	A. Chemical Analysis; Primary Core samples for 6 radicals i.e. CaO, MgO, Al2O3, SiO2, Fe2O3 and LOI	Nos	4.1.17a	4,200	**250**	1050000	
ii	B. Chemical Analysis; Primary(Surface & Pit) samples for 6 radicals i.e. CaO,	Nos	4.1.17a	4,200	**30**	126000	BRS

28.04.26

28/04/2026

	MgO, Al+K23:K242O3, SiO2, Fe2O3 and LOI						
iii	C. External Check sample for analysis of 6 radicals i.e.CaO,MgO,Al2O3,SiO2,Fe2O3 and LOI.	Nos	4.1.17a	4,200	**28**	117600	
2	**Physical, Petrological, Mineralogical Studies**						
i	XRD studies for identification of minerals (Random)	Nos	4.5.2	4000	**0**	0	
ii	ICP-OES/ICP-MS(sequential technique) Sample packagee for 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th)	Nos	4.1.15	7400	**2**	14800	Other than Limestone; Basement
	Preparation of standard thin section of rock	Nos.	4.3.1	500	**5**	2500	
iii	Complete Petrographic / ore microscopic study / minerographic report of rock sample (along with 5Nos. Digitial photo micrographs	Nos	4.3.4	2800	**5**	14000	
3	**Geotechnical Laboratory**						
i	Bulk Density Determinations	Nos	4.8.3	2500	**2**	5000	
					Sub Total- C	**1329900**	
D	**DRILLING (In house**						
i	Core Drilling (BH 11 Nos) x Each 25Mtr depth =Total 200 Mtrs	m	2.2.1.1c	5,500	**275**	1512500	Drilling after Review
ii	Land/Crop Compensation (As Per Requirement)	Per BH	5.6	30,000	**11**	330000	As per actuals
iii	Construction of concrete Pillar (11 BHP + 6 BP)	Per BH	2.2.7	2,000	**11**	22000	
iv	Borehole plugging by cement	Lumpsum per borehole	2.2.8	10,000	**11**	110000	
v		Lumpsum	2.2.9	-	**-**	378125	

28.04.26

28/04/2026

	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp Setting and winding, construction of Approach road						
vi	Core Preservation.	m	5.3	1,590	**225**	357750	
					Sub Total- D	**2710375**	
					Total A to D	**7119121**	
E	**Geological Report Preparation (A minimum of Rs. 2.5 lakhs**	**1No.**	**5.2**			**250000**	
F	**Peer review Charges**	**1No.**		30000		**30000**	
G	**Preparation of Exploration Proposal (2% of the Cost or Rs.5 Lakhs whichever is lower)**	**1No.**	**5.1**			**142382**	
H	**Total Estimated Cost without GST**					**7541503**	
I	**Provision for GST (18%)**					**1357471**	
J	**Total Estimated Cost with GST**					**8898974**	
K	**Rs. In lacs**					**88.99**	
Note:							
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**						
2	**In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.**						
3	**If any part of the project is outsourced, the amount will be reimbursed as per the 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.**						

28.04.26

28/04/2026

ANNEXURE 7 B

Scheduled time for Preliminary Exploration (G3) for Limestone in Pransla Block (6.52 Sq. km.) Upleta Taluka, Rajkot District, Gujarat

Sr. No.	Item of Work	1	2	3		4	5	6		7	8	9	10
1	Pre field preparation				REVIEW				REVIEW				
2	Topographic survey and Geological Mapping (1:4000), Bed rock Sampling and Chemical analysis												
3	Drilling & Chemical analysis												
4	Interpretation of analytical data, finalization of litho logs, plates												
5	Review & report preparation / Peer review												
6	Final submission												

28.04.26

28/04/2026

Agenda 94.1.9. Preliminary exploration (G3) of Bara Khurd Limestone Block, Maihar District, Madhya Pradesh
[Implementing Agency: M/s MMPL Private Limited]

a. The proposed block falls within Survey of India Toposheet No. 63D/16 The proposed area is geologically and stratigraphically indicated to comprise the Semri Group of the Vindhyan Supergroup, which hosts several limestone bands. The block largely covers these lithologies and is primarily represented by the Rohtas Limestone Formation of the Semri Group.
b. Geological Survey of India carried out General Exploration (G2) in the Riwara Block during 2018–19, located about 3 km southwest of the proposed block, where limestone thickness ranging from 0.57 m to 21.05 m was reported.
c. Geological Survey of India also carried out studies on the Vindhyan Supergroup in the surrounding region.
d. Three distinct limestone horizons have been identified, namely Upper Limestone, Lower Limestone, and Purple to Grey Argillaceous Limestone, of which the Lower Grey Limestone hosts the best quality limestone.
e. Maps prepared from earlier GSI explorations have already established the presence of limestone in this region.
f. MMPL collected one sample from the proposed area, and chemical analysis yielded CaO value of 50.17%.
g. The Committee discussed the proposal and opined that the area is potential. Accordingly, tentative drilling on 800 m spacing, in accordance with MEMC Rules, was also approved.

Sl. No.	Agency	Brief Comments
1	GSI	More than 50% proposed area is overlapping with the earlier Preliminary Investigation of Flux Grade Limestone Deposit G4 explored block. The area is having similar lithological set up as earlier explored block therefore proposed area may be feasible for taking up the further exploration activities.
2	MECL	Bara Khurd Limestone Block, Maihar, Madhya Pradesh proposed by M/s MMPL Private Limited is not overlapping with any of the completed/ongoing/proposed blocks of MECL.
3	AMD	NA
4	State DMG/DGM/CGM	Not Received. Representative present in meeting informed that area is not overlapping with any ongoing project.
5	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for Limestone in Bara Khurd Block, District: Maihar, Madhya Pradesh" for approval of PSC, NMEDT with an estimated cost of Rs. 77.81 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per ANNEXURE – 8A & 8B. The item will be reviewed after 3 and 6 months.

28.04.26 28/04/2026

ANNEXURE 8A

Preliminary Exploration (G3) for Limestone in Bara Khurd Block, District: Maihar , Madhya Pradesh

Total area: 2.07 sq km, Drilling: No. of BH 5, each of 50 m depth. Drilling meterage: 250 m; Period of Completion: 10 months, Review: After 3 and 6 Months

S. No.	SoC-Item No. *	Item of Work *	Unit *	Rates as per SoC * (a)	Original Estimated Cost of the Proposal		Remarks
					Qty. (b)	Total Amount (Rs) (a*b)	
A		**Geological Mapping Other Geological Work & Surveying**					
i	1.1	**Detailed Mapping with contouring on 1:4000 scale**	Per. Sq. km	18300	2.07	**37881**	
ii	1.2.1a. b	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	14500	70	**1015000**	For core logging, sampling and other geological work
iii	1.2.1a. a	c. Charges for Geologist per day (HQ)	day	10500	30	**315000**	
v	5.7	Labours Charges for geological work	day	556	140	**77840**	
		Sub Total- A				**1445721**	
B		**Survey work**					
i	1.3.1	Charges for one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc.	one surveyor/per day	10500	20	**210000**	For Topographical survey
ii	1.3.2	DGPS Survey for BH fixation & RL determination	Per Point of observation	24000	33	**792000**	5 borehole points, 28 boundary points of the block
iii	5.7	Labours Charges for survey work	day	556	80	**44480**	4 labours per day
		Sub-Total B				**1046480**	

28.04.26

28/04/2026

C		**Trenching/Pitting**					
ii	2.1.2	Excavation of Pit upto 2.0 m depth with back filling	per cu.m	4725	20	**94500**	10 pits of 2 cu m (1 x 1 x 2)
		Sub Total C				**94500**	
D		**DRILLING In -house**					(after review)
i	2.2.1.1c	Drilling in soft Rock limestone	per m	5500	250	**1375000**	5 boreholes of 50 m each depth/ 250 m total drilling metergae.
iii	5.6	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	20000	5	**100000**	As per actuals
iv	2.2.7	Construction of concrete Pillar (12"x12"x30")	per borehole	2000	5	**10000**	
v	2.2.8	Borehole plugging by cement	Lumpsum per borehole	10000	5	**50000**	
vi	2.2.9	Miscellaneous charges (Transportation of drilling rig, accomodation of drill camp, camp setting and winding, construction of approach road and drill core preservation)	lumpsum	343750		**343750**	1. For drilling cost less than ₹50 lakhs: 25% of the drilling cost
	5.3	Drill Core Preservation	per m	1590	200	**318000**	
viii	1.2.1b	Sample processing work including marking of samples, core splitting, crushing and powdering of samples, coning and quartering, packing and labelling of samples, preparation of beneficiation samples, etc.	one sampler/per day	7850	32	**251200**	For BRS- 50, and Pits- 40 samples. assuming 40 samples per borehole total samples 200.
ix	5.7	Labours (4 Nos)	day	556	128	**71168**	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State

28.04.26

28/04/2026

							Govt. whichever is higher.
		Sub Total D				**2519118**	
E		**LABORATORY STUDIES**					
1		**Chemical Analysis**					
i)		**Surface Sample (Bedrock/Channel /Soil/Stream sediment)**					BRSs: 10
b	4.1.17a	a. Analysis of major oxides by XRF	per sample	4200	10	**42000**	
ii)		**Surface Check samples (10% External)**					
a	4.1.17a	a. Analysis of major oxides samples by XRF	per sample	4200	1	**4200**	
		Pit sample					
iii)		**Pit**					
a	4.1.17a	a. Analysis of major oxides samples by XRF	per sample	4200	20	**84000**	20 Pit samples
iv)		**Pit Check samples (10% External)**					
	4.1.17a	a. Analysis of major oxides samples by XRF	per sample	4200	2	**8400**	
		Borehole Core Samples					
v)		**BH Core samples**			200		assuming 40 samples per borehole total samples 200 for five boreholes
b	4.1.17a	a. Analysis of major oxides samples by XRF	per sample	4200	200	**840000**	
vi)		**BH Core samples (10%External)**					
a	4.1.17a	a. Analysis of major oxides samples by XRF	per sample	4200	20	**84000**	
vii)		**Physical & Petrological Studies**					
a	4.3.1	Preparation of thin section	Per sample	500	5	**2500**	
c	4.3.4	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Per sample	2800	5	**14000**	
	4.3.7	Modal analysis	per sample	4590	0	**0**	
e	4.8.3	Bulk density analysis	Per sample	2500	2	**5000**	
		Total E				**1084100**	
F		**Total A+B+C+D+E**				**6189919**	

28.04.26

28/04/2026

F	**5.2**	Geological Report Preparation	5 Hard copies with a soft copy	ii		**250000**	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
G	**As per EC decision**	Peer review Charges		30000	1	**30000**	
H	5.1	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	2% of the Cost or Rs. 5.0 Lakhs whichever is less		**123798**	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.
I		**Total Estimated Cost without GST**				**6593717**	
J		**Provision for GST (18% of I)**				**1186869**	GST will be reimburse as per actual and as per notified prescribed rate
K		**Total Estimated Cost with GST**				**7780587**	
				Rs. In Lakhs		**77.81**	
Note:							
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**						

28.04.26

28/04/2026

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 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.

28.04.26

28/04/2026

ANNEXURE 8B

Scheduled Time For Preliminary Exploration (G3) for Limestone in Bara Khurd Block, District: Maihar , Madhya Pradesh

S. No.	Items	Months/Days	1	2	3	4	5	6	7	8	9	10
1	Camp Setting	Days				REVIEW			REVIEW			
2	Geological Mapping & Sampling	Days										
3	Pitting/Trenching	cu. M.										
4	Surface Drilling (1 rigs)	250 m										
5	Geologist Man days (HQ) for data interpretation & Report	days										
6	Sampler Man days	days										
8	Laboratory Studies	Nos.										
9	Report Writing with Peer Review	months										
7	Camp Winding and Report Submission	months										

28.04.26

28/04/2026

Agenda 94.1.10. Preliminary Exploration (G3) for Limestone in Tonga, Morena District, Madhya Pradesh
[Implementing Agency: M/s MMPL Private Limited]

a. The proposed block falls within Survey of India Toposheet No. 54F/8. The proposed area exposes sedimentary lithounits of the Bhander Group, Vindhyan Supergroup, wherein the Ganurgarh Shale is overlain by the Lakheri Limestone.
b. The Lakheri Limestone is divided into two members, namely a lower massive thinly laminated limestone and an upper stromatolitic limestone, separated by a thin blue shale horizon.
c. During 1989 to 1992, Directorate of Geology and Mining Madhya Pradesh carried out limestone investigations in parts of Garhi and Sabalgarh, Morena District, Madhya Pradesh.
d. During 2015–16, Geological Survey of India identified three potential cement-grade limestone blocks, namely Garhi-Upcha, Badretha, and Hirawale.
e. Estimated resources were 159.45 million tonnes with 38.38–47.29% CaO in Garhi-Upcha Block, 129.5 million tonnes with 34.65–46.03% CaO in Badretha Block, and 20.57 million tonnes with 37.68–38.99% CaO in Hirawale Block.
f. The study further recommended that adjoining areas are prospective and may add additional limestone resources.
g. The agency visited the area and collected limestone samples for analysis.
h. Chemical analysis of six samples indicated CaO values of 27.38–44.84%, MgO values of 1.16–17.28%, and SiO_2 values of 3.72–11.02%.
i. Out of the six samples, five samples represent the upper stromatolitic limestone, which is siliceous in character. One sample collected from the lower massive limestone band in the Sabalgarh area analysed CaO 44.84%, MgO 1.169%, and SiO_2 11.02%, and was found comparatively more suitable for cement industry requirements.
j. Based on above background, the agency has proposed for preliminary exploration for limestone.
k. The committee discussed the proposal and opined that the area has potential for limestone. The agency also noted that the northern part of the area is near a Dam. The agency was hence instructed to show the proposed area on Toposheet.
l. The agency showed the area on Toposheet as instructed by agency.
m. The committee agreed upon recommendation of proposal for approval.

Sl. No.	Agency	Brief Comments
1	GSI	On the basis of earlier exploration work in this area three potential blocks were identified with cement grade limestone viz. Garhi Upcha block, Badretha block and Hirawale block. Since the proposed Tonga block is situated in the adjoining areas that may be potential to add to the resources further.
2	MECL	The block proposed by Maheshwari Mining Private Limited is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	No mining lease or quarry lease for major or minor minerals was found to be operating in the area. As per the work carried out during 1978–82,

28.04.26

28/04/2026

		the presence of limestone in the area was confirmed. At present, no exploration work is being conducted in the proposed area.
5	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area as per NGDR portal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) of Limestone in Tonga Block, District: Morena, Madhya Pradesh" for approval of PSC, NMEDT with an estimated cost of Rs. 113.48 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per ANNEXURE – 9A & 9B. The item will be reviewed after 3 and 6 months.

ANNEXURE 9A

Preliminary Exploration (G3) of Limestone in Tonga Block, District: Morena, Madhya Pradesh
Area 6.49 sq. km, No. of BH:9 , Borehole depth range: 50 m; Drilling Meterage- 450 m; Schedule timeline- 10 months Review: After 3 and 6 Months

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Geological Mapping Other Geological Work & Surveying with contouring, (1:4000 scale)**						
1	Detailed Geological mapping with contouring, (1:4000 scale)	Per Sq Km	**1.1**	18,300	**6.49**	118,767	
2	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1 a	14,500	90	1,305,000	
3	b. Labours Charges; Base rate	day	5.8	556	180	100,080	
4	c. Charges for Geologist per day (HQ)	day	1.2.1 a	10,500	30	315,000	
5	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	45	353,250	
6	e. Labours (4 Nos)	day	5.8	556	180	100,080	
	Sub Total- A					**2,292,177**	
B	**Survey work**						
a	DGPS Survey for BH fixation & RL determination and lease boundary demarcation	Per Point of observation	1.3.2	24,000	15	360,000	6 cardinal points + 9 BH points
b	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and	one surveyor per day	1.3.1	10,500	30	315,000	

28.04.26

28/04/2026

	determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc.						
c	Labours Charges for survey work;	day	5.8	556	120	66,720	
	Sub-Total B					**741,720**	
C	**Trenching/Pitting**						
	a) Excavation of Pitting	per cu.m	2.1.2	4,725	20	94,500	
	Sub-Total C					**94,500**	
D	**DRILLING IN HOUSE**						(after review)
1	Systematic Drilling up to 300m (soft Rock)	m	2.2.1.1e	5,500	450	2,475,000	
3	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	9	270,000	As per actuals
4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	9	18,000	
5	Miscellaneous Charges (Drill camp setting / transporation etc.)	Lumpsum	2.2.9			618,750	
6	Drill Core Preservation	per m	5.3	1,590	400	636,000	
	Sub-Total D					**4,017,750**	
E	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
i)	a. Analysis of major oxides by XRF	per sample	4.1.17a	4200	**430**	1,806,000	BRS:10, PIT: 20, BH CORE: 400
ii)	a. Analysis of major oxides by XRF (10% external Check)	**per sample**	4.1.17a	4200	43	180,600	
2	**Physical & Petrological Studies**					-	
i	Preparation of thin section	Nos	4.3.1	500	5	2,500	
ii	Study of thin section	Nos	4.3.4	2,800	5	14,000	
v	Bulk Density	Nos	4.8.3	2,500	2	5,000	
	Sub-Total E					**2,008,100**	
	Total A to E					**9,154,247**	

28.04.26

28/04/2026

G	**Geological Report Preparation**	**5 Hard copies with a soft copy**	**5.2**	**1**		**250,000**	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
H	**Peer review Charges**		**As per EC decision**			**30,000**	
I	**Preparation of Exploration Proposal (5 Hard copies with a soft copy)**	**5 Hard copies with a soft copy**	**5.1**	**2% of the Cost or Rs. 5 Lakhs whichever is lower**		**183,085**	
J	**Total Estimated Cost without GST**					**9,617,332**	
K	**Provision for GST (18%)**					**1,731,120**	GST will be reimburse as per actual and as per notified prescribed rate
L	**Total Estimated Cost with GST**					**11,348,452**	
				or Say Rs. In Lakhs		**113.48**	
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 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.**						

28.04.26

28/04/2026

ANNEXURE 9B

Scheduled time for Preliminary Exploration (G3) of Limestone in Tonga Block, District: Morena, Madhya Pradesh

S. No.	Item of work	Months										
		1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	10
1	Camp Setup												
2	Detailed Mapping (1:4000)												
3	Bed Rock Sampling												
4	Pitting												
5	Chemical analysis of surface samples												
6	Systematic drilling (800X800m)												
7	Core sampling and its preparation												
8	Chemical analysis of Core Samples												
9	Processing of Analytical data												
10	3D ore body modeling												
11	Preparation of geologcial report												
12	Peer review												
13	Final submission												

28.04.26

28/04/2026

Agenda 94.1.11. Preliminary Exploration (G3) for Limestone in Sabalgarh Block, Morena District, Madhya Pradesh
[Implementing Agency: M/s MMPL Private Limited]

a. The proposed block falls within Survey of India Toposheet No. 54F/8. The proposed area exposes sedimentary lithounits of the Bhander Group, Vindhyan Supergroup, wherein the Ganurgarh Shale is overlain by the Lakheri Limestone.
b. The Lakheri Limestone is divided into two members, namely a lower massive thinly laminated limestone and an upper stromatolitic limestone, separated by a thin blue shale horizon.
c. During 1989 to 1992, Directorate of Geology and Mining Madhya Pradesh carried out limestone investigations in parts of Garhi and Sabalgarh, Morena District, Madhya Pradesh.
d. During 2015–16, Geological Survey of India identified three potential cement-grade limestone blocks, namely Garhi-Upcha, Badretha, and Hirawale.
e. Estimated resources were 159.45 million tonnes with 38.38–47.29% CaO in Garhi-Upcha Block, 129.5 million tonnes with 34.65–46.03% CaO in Badretha Block, and 20.57 million tonnes with 37.68–38.99% CaO in Hirawale Block.
f. The study further recommended that adjoining areas are prospective and may add additional limestone resources.
g. The agency visited the area and collected limestone samples for analysis.
h. Chemical analysis of six samples indicated CaO values of 27.38–44.84%, MgO values of 1.16–17.28%, and SiO_2 values of 3.72–11.02%.
i. Out of the six samples, five samples represent the upper stromatolitic limestone, which is siliceous in character. One sample collected from the lower massive limestone band in the Sabalgarh area analysed CaO 44.84%, MgO 1.169%, and SiO_2 11.02%, and was found comparatively more suitable for cement industry requirements.
j. Based on above background, the agency has proposed for preliminary exploration for limestone.
k. The committee discussed the proposal and opined that the area has potential for limestone. The agency also noted that the northern part of the area is near a Dam. The agency was hence instructed to show the proposed area on Toposheet.
l. The agency showed the area on Toposheet as instructed by agency.
m. The committee agreed upon recommendation of proposal for approval. The agency is also instructed that the quarry lease area may be left during mapping work.

Sl. No.	Agency	Brief Comments
1	GSI	On the basis of previous exploration work in this area three potential blocks were identified with cement grade limestone viz. Garhi Upcha block, Badretha block and Hirawale block. Since the proposed Sabalgarh block is situated in the adjoining areas that may be potential to add to the resources further.
2	MECL	The block proposed by Maheshwari Mining Private Limited is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	It is found that, a quarry lease for mineral stone over an area of 2.00 hectares and a quarry lease

28.04.26 28/04/2026

		for mineral soil over an area of 1.00 hectare have been sanctioned. In addition, as per the works carried out during 1978–82, the presence of limestone in the area has been confirmed. At present, no exploration work is being carried out in the proposed area.
5	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area as per NGDR portal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3 Stage) of Limestone in Sabalgarh Block, District: Morena, Madhya Pradesh" for approval of PSC, NMEDT with an estimated cost of Rs. 84.94 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per ANNEXURE – 10A & 10B. The item will be reviewed after 3 and 6 months.

28.04.26

28/04/2026

ANNEXURE 10A

Preliminary Exploration (G3 Stage) of Limestone in Sabalgarh Block, District: Morena, Madhya Pradesh
Area 4.5 sq. km, No.of BH: 6 , Borehole depth range: 50 m; Drilling Meterage- 300 m; Schedule & timeline- 10 months Review: After 3 and 6 Months

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Detailed Mapping with contouring on 1:4000 scale**						
	Detailed Mapping with contouring on 1:4000 scale	Per Sq Km	**1.1**	18,300	**4.5**	82,350	
i	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1 a	14,500	85	1,232,500	For core logging, trenching and other geological work
ii	b. Labours Charges; Base rate	day	5.8	556	170	94,520	
	c. Charges for Geologist per day (HQ)	day	1.2.1 a	10,500	30	315,000	
	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	39	306,150	
	e. Labours (4 Nos)	day	5.8	556	154	85,624	
	Sub Total- A					**2,116,144**	
B	**Survey work**						
a	DGPS Survey for BH fixation & RL determination and lease boundary demarcation	Per Point of observation	1.3.2	24,000	12	288,000	6 cardinal points + 6 BH points

28.04.26

28/04/2026

b	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc.	one surveyor per day	1.3.1	10,500	25	262,500	
c	Labours Charges for survey work;	day	5.8	541	100	54,100	
	Sub-Total B					**604,600**	
C	**Trenching/Pitting**						
	a) Excavation of Pitting	per cu.m	2.1.2	4,725	20	94,500	
	Sub-Total C					**94,500**	
D	**DRILLING IN HOUSE**						(after review)
1	Systematic Drilling up to 300m (soft Rock)	m	2.2.1.1e	5,500	300	1,650,000	
3	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	6	180,000	
4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	6	12,000	
5	Miscellaneous Charges (Drill camp setting / transporation etc.)	Lumpsum	2.2.9			412,500	
10	Drill Core Preservation	per m	5.3	1,590	250	397,500	
	Sub-Total D					**2,652,000**	
E	**LABORATORY STUDIES**						
1	**Chemical Analysis**						

28.04.26

28/04/2026

i)	a. Analysis of major oxides by XRF	per sample	4.1.17a	4200	280	1,176,000	BRS:10, PIT: 20, BH CORE: 250
ii)	a. Analysis of major oxides by XRF (10% external)	per sample	4.1.17a	4200	28	117,600	
2	**Physical & Petrological Studies**					-	
i	Preparation of thin section	Nos	4.3.1	500	5	2,500	
ii	Study of thin section	Nos	4.3.4	2,800	5	14,000	
v	Bulk density	Nos	4.8.3	2,500	2	5,000	
	Sub-Total E					**1,315,100**	
	Total A to F					**6,782,344**	
G	**Geological Report Preparation**	**5 Hard copies with a soft copy**	**5.2**	**5.2 (i/ii/iii/iv)**		**250,000**	
H	**Peer review Charges**		**As per EC decision**			**30,000**	
I	**Preparation of Exploration Proposal (5 Hard copies with a soft copy)**	**5 Hard copies with a soft copy**	**5.1**	**2% of the Cost or Rs. 5 Lakhs whichever is lower**		**135,647**	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**					**7,197,991**	
L	**Provision for GST (18%)**					**1,295,638**	GST will be reimburse as per actual and as per notified prescribed rate

28.04.26

28/04/2026

M	**Total Estimated Cost with GST**				**8,493,629**	
				or Say Rs. In Lakhs	**84.94**	
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 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.**					

28.04.26

28/04/2026

ANNEXURE 10 B

Scheduled time for Preliminary Exploration (G3 Stage) of Limestone in Sabalgarh, Morena District, Madhya Pradesh Area 4.5 sq. km, No.of BH: 6 , Borehole depth range- 300 m; Schedule & timeline- 10 months Review: After 3 Months & 6 months

S. No.	Item of work	Months										
		1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	10
1	Camp Setup	■											
2	Detailed Mapping (1:4000)	■	■	■									
3	Bed Rock Sampling	■	■	■									
4	Pitting		■	■									
5	Chemical analysis of surface samples			■									
6	Systematic drilling (800X800m)					■	■						
7	Core sampling and its preparation						■	■					
8	Chemical analysis of Core Samples							■		■	■		
9	Processing of Analytical data			■		■	■	■		■	■	■	
10	3D ore body modeling										■	■	
11	Preparation of geologcial report									■	■	■	
12	Peer review											■	
13	Final submission												■

28.04.26

28/04/2026

Agenda 94.1.12. Preliminary Exploration (G3) for RM (Li, Cs, Rb, Nb, Ta) & REE in Gharipakhana – Darrabhata Block, District Korba, Chhattisgarh

[Implementing Agency: M/s MMPL Private Limited]

a. The proposed block falls within Survey of India Toposheet No. 64J/10. The study area is located in the south-western marginal part of the Chhotanagpur Gneissic Complex (CGC), in close proximity to the Bilaspur–Raigarh Belt (BR Belt).
b. Previous investigations in the Katghora region have established lithium mineralisation associated with leucogranite and granitic pegmatites, with geochemical mapping and G3 exploration confirming anomalous lithium values and good metallogenic potential.
c. The adjacent Katghora Lithium & REE Block of Maiki South Mining Pvt. Ltd., currently under G3 exploration, has reported significant lithium mineralisation, with >1000 ppm Li in porphyritic granite, higher than associated leucogranite.
d. The proposed Gharipakhana–Darrabhata Block is a geological extension of the same mineralised corridor, and the presence of similar porphyritic granite with encouraging preliminary results indicates strong lithium potential.
e. Geochemical analysis of 10 rock samples from the area returned Li values of 469–1281 ppm, with five samples exceeding 1000 ppm, mainly associated with porphyritic granite.
f. Pathfinder elements are also enriched, with Rb values of 180–1017 ppm and Cs values of 36–949 ppm, indicating a highly fractionated granitic system favourable for lithium mineralisation.
g. Ongoing G3 exploration in the adjacent Katghora Lithium & REE Block indicates that porphyritic granite and quartz–biotite schist host comparatively higher lithium concentrations than leucogranite.
h. In view of the established regional metallogenic framework, favourable lithological continuity, encouraging geochemical results, and proximity to an actively mineralised corridor, the agency has proposed the Gharipakhana–Darrabhata Block for systematic G3 stage exploration for delineation of lithium mineralisation.
i. AMD in their comments have stated that the area is under active exploration by AMD at different stages (G4/G3). The proposed area overlaps with ongoing exploration of AMD.
j. Furthermore, samples from the proposed block have analysed uranium content equal to or above the threshold value notified in Schedule A of AMCR, 2016.
k. Based on the comments of AMD, the committee did not approve the proposal.
l. The agency requested the map from AMD so that in free area MMPL can propose exploration proposal.
m. The committee suggested AMD to share the map of the area with NMEDT which can then be shared with agency.

Sl. No.	Agency	Brief Comments
1	GSI	100% overlapping found in the proposed Block with GSI previous works (Reconnaissance survey for lithium and associated rare metals in Katghora-Garhatra area, Korba district, Chhattisgarh. Stage G-4)
2	MECL	The block proposed by Maheshwari Mining Private Limited is not overlapping with MECL explored block and ongoing blocks.

28.04.26

28/04/2026

3	AMD	The area is under active exploration by AMD at different stages (G4/G3). The proposed area overlaps with ongoing exploration of AMD. Samples from the proposed block have analysed uranium content equal to or above the threshold value notified in Schedule A of AMCR, 2016. In such cases, mineral concessions shall be granted by the State Government as per the provisions of AMCR, 2016. In view of above, the proposed block is not recommended in the interest of ongoing subsurface and future exploration by AMD for uranium and associated element.
4	State DMG/DGM/CGM	Not Received
5	NMEDT	One auctionable G3/G2 block is present within the proposed block for Lithium in Katghora block in Chhattisgarh.

Recommendations of TCC-1:

The committee did not recommend the proposal as the area is overlapping with ongoing exploration of AMD.

Agenda 94.1.13. Preliminary Survey (G3) of Limestone in Kanoi-A Block, Tehsil- Jaisalmer, (3.81 Sq. Km Area), District-Jaisalmer, Rajasthan

[Implementing Agency: FAGMIL]

a. The proposed block falls within Survey of India Toposheet No. 40J/09 and forms part of Jaisalmer Basin.
b. It was informed by NMEDT secretariat that the **area falls in ESZ of Desert National Park as per PM Gatishakti portal**. The representative from DMG, Rajasthan also confirmed ESZ of Desert National Park.
c. The project was not discussed further in view of presence of ESZ in the proposed area.

Sl. No.	Agency	Brief Comments
1	GSI	The block is proposed based on positive outcome of exploration carried out by DMG, Rajasthan and 7 samples collected from field by agency. Based on the values and proven resources in nearby blocks, proposed area seems feasible for taking up the exploration for limestone.
2	MECL	MECL has not carried out exploration in the proposed block
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The area falls in ESZ of Desert National Park.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

28.04.26

28/04/2026

Recommendations of TCC-1:

The committee did not recommend the proposal as the area is under ESZ of Desert National Park.

Agenda 94.1.14. Preliminary Survey (G-3) for Limestone in Kanoi-B Block, Tehsil- Jaisalmer, (5.84 Sq. Km Area), District-Jaisalmer, Rajasthan

[Implementing Agency: FAGMIL]

a. The proposed block falls within Survey of India Toposheet No. 40J/09 and forms part of Jaisalmer Basin.
b. It was informed by NMEDT secretariat that the area falls in **ESZ of Desert National Park as per PM Gatishakti portal**. The representative from DMG, Rajasthan also confirmed ESZ of Desert National Park.
c. The project was not discussed further in view of presence of ESZ in the proposed area.

Sl. No.	Agency	Brief Comments
1	GSI	The block is proposed based on positive outcome of exploration carried out by DMG, Rajasthan and 7 samples collected from field by agency. Based on the values and proven resources in nearby blocks, proposed area seems feasible for taking up the exploration for limestone.
2	MECL	MECL has not carried out exploration in the proposed block
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The area falls in ESZ of Desert National Park.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

Recommendations of TCC-1:

The committee did not recommend the proposal as the area is under ESZ of Desert National Park.

Agenda 94.1.15. Reconnaissance Survey (G4) for Vanadium and Associated Critical Minerals in Lateritic Rocks of Malik Mirzapur Block (100 Sq. Km), Bidar District, Karnataka

[Implementing Agency: GMMCO]

a. The proposed block falls within Survey of India Toposheet No. 56G/05 and comprises basaltic flows of the Deccan Trap with widespread laterite cover and intertrappean beds (chert and cherty marl), providing favourable conditions for concentration of critical minerals during lateritisation.
b. Geochemical mapping identified anomalous V (239–1183 ppm), Co (1–128 ppm), and Sc (25–56 ppm) in laterite zones, with detailed studies further indicating Fe_2O_3 (14.16– 59.88%), Al_2O_3 (10.22–26.90%), TiO_2 (0.97–5.78%) and enrichment of V (up to 4280 ppm) and Sc (up to 104 ppm).
c. Drilling intersected well-developed lateritic profiles over basalt, recording significant

28.04.26 28/04/2026

enrichment of V, Sc, and ΣREE within ferruginous laterite and saprolite zones.

d. In view of the above, the agency proposed the block for G-4 stage exploration for critical mineralisation within lateritic profiles, with work components including large-scale geological mapping (1:12500), geochemical sampling, pitting/trenching, and exploratory drilling under the UNFC G-4 category.
e. The proposal was discussed in 92nd TCC-I meeting and was approved in-principle. The agency was suggested to modify the area and exclude basalt exposed in western part. The agency was further suggested to present the analytical data of collected samples.
f. The agency complied with the suggestion of TCC-I and the area was modified.
g. GMMCO has carried out field visit and confirmed the occurrence of thick aluminum rich laterite profile. Observation on lateritic profiles shows intense chemical leaching and residual enrichment of ferruginous & aluminum rich clays.
h. Handheld – XRF analysis shows significant results with Al2O3: 15.79 to 32.81%, TiO2: 1.4 to 4.8% and Vanadium: 695 to 3135 ppm.
i. The committee discussed the proposal and agreed upon recommendation for approval.

Sl. No.	Agency	Brief Comments
1	GSI	The reconnaitary works carried out in the adjoining area have indicated presence of Vanadium and Scandium mineralization. The NPEA proposed area may be potential for further investigation.
2	MECL	The block proposed by M/s. GMMCO TECHNOLOGY SERVICES LTD (GTS). has no overlapping with the ongoing or explored blocks of MECL.
3	AMD	AMD has not carried out worked any exploration / reconnaissance project in the proposed block. There is no ongoing exploration / reconnaissance project.
4	State DMG/DGM/CGM	Based on the exploration data, the occurrence of Vanadium and Associated Critical Minerals is established by the previous exploration work of GSI. The area is feasible for G4 stage exploration.
5	NMEDT	Proposed block does not overlap with the NMEDT funded projects.

Recommendations of TCC-1:

The committee recommended the proposal titled "Reconnaissance Survey (G4) for Aluminous Laterites with associated Critical Minerals, Malik Mirzapur Area, Bidar District, Karnataka" for approval of PSC, NMEDT with an estimated cost of Rs. 105.38 lakhs (including GST) with a timeline of 8 months for carrying out the proposed work and submission of report as per Annexure – 11A & 11B. The item will be reviewed after 3 and 6 months.

28.04.26

28/04/2026

ANNEXURE 11A

Reconnaissance Survey (G4) for Aluminous Laterites with associated Critical Minerals, Malik Mirzapur Area, Bidar District, Karnataka. Area: 100 Sq.Km. Scout Bore Holes: Total drilling Meterage: 200 m; No. of BH:05 (40m depth each); Schedule timeline: 8 months. Review after: 3 and 6 months

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2025		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Geological Mapping Other Geological Work & Surveying**						
	a.Geological mapping, (1:12,500 scale)	Sq.km	1.1	18,300	100	1,830,000	
	b.Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a	14,500	60	870,000	For core logging, Pitting, Trenching and sampling
	f. Labours for field party	day	5.8	556	120	66,720	
	d. Charges for Geologist per day (HQ)	day	1.2.1a	10,500	30	315,000	
	c. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	63	494,550	
	e. Labours Charges for sampler	day	5.8	556	252	140,112	
	Sub Total- A					**3,716,382**	
B	Survey work						
	a.Charges of Surveyor (1 party) for Geophysical survey layout work & Block boundary demarcation	one surveyor per day	1.3.1	10,500	0	0	
	b.DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24000	5	120,000	
	c.Labours Charges for survey work;	day	5.8	605	0	0	
	Sub-Total B					**120,000**	

28.04.26

28/04/2026

C	Trenching/Pitting						
	a) Excavation of Pit with back filling	per cu.m	2.1.1	4,125	100	412,500	50 pits
	Sub-Total C					**412,500**	
D	DRILLING (In-house)						
	a. Core drilling: 5 borehole points (each 40 m	m	2.2.1.1c	5,500	200	1,100,000	
	b. Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	5	10,000	
	c. Borehole Plugging by cement	per borehole	2.2.8	10,000	5	50,000	
	d. Miscellaneous Charges (Transportation, Accommodation, Camp setting, Camp Winding etc.	Lumpsum	2.2.9	25% of the Drilling cost		275,000	
	Core Preservation	m	5.3	1590	150	238,500	
	Sub Total D					**1,673,500**	
E	LABORATORY STUDIES						
1	Chemical Analysis						
A	Major oxides (WD XRF)- (oxides+ traces -24 elements)						
	a. Bedrock	Per Sample	4.1.17a	4,200	100	420,000	
	b. Drill Core samples	Per Sample	4.1.17a	4,200	200	840,000	
	c. Pit samples	Per Sample	4.1.17a	4,200	50	210,000	
	10% External Check Samples	Per Sample	4.1.17a	4,200	35	147,000	
	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique) including Ga and Sc	Per Sample	4.1.15	7,400	60	444,000	20 BRS + 30 Core Samples + 10 Pit samples
	10% External Check Samples	Per Sample	4.1.15	7,400	60	444,000	
						2,505,000	
2	Physical & Petrological Studies						

28.04.26

28/04/2026

	a.Preparation of polished thin section	Per sample	4.3.2	800	10	8,000	
	b.Study of polished thin section	Per sample	4.3.4	2,800	10	28,000	
	d.SEM Studies	Per day	4.4.1a	8,800	2	17,600	
						53,600	
	Sub Total E					**2,558,600**	
F	**Total A to E**					**8,480,982**	
G	Geological Report Preparation	5 Hard copies with a soft copy	5.2	5.2		250,000	
H	Peer review Charges	As per EC decision				30000	
I	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		169,620	
	(5 Hard copies with a soft copy)						
K	**Total Estimated Cost without GST**					**8,930,602**	
L	Provision for GST (18% of K)					1,607,508	
M	**Total Estimated Cost with GST**					**10,538,110**	
	Say Rs. In Lakhs (INR)					**105.38**	
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 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.**						

28.04.26

28/04/2026

ANNEXURE 11B

Scheduled time for Reconnaissance Survey (G4) for Aluminous Laterites with associated Critical Minerals, Malik Mirzapur Area, Bidar District, Karnataka

S. No	Activity	Unit	Months									
			1	2	3		4	5	6		7	8
1	Camp Establishment	Days				REVIEW				REVIEW		
	Geological mapping and Survey											
2	Geologist Party field Days	Days										
3	Sampling (Pitting & Trenching)	Days										
4	Drilling	Days										
5	Core logging	Days										
6	Camp winding	Days										
7	Laboratory studies	Days										
8	Report preparation and submission	Days										

28.04.26

28/04/2026

Agenda 94.1.16. Reconnaissance Survey (G4) for Bauxite-Aluminous /Ferruginous Laterite and Associated Minerals in Hemal-Barpatoli Block, Amreli District, Gujarat
[Implementing Agency: APC Drilling Construction & Pvt. Ltd.]

a. The area is part of Toposheet No. 41 P/05 & 41 P/01. The geology of the area comprises basalt and andesite of volcanic rocks, along with rhyolite of the Rajula Complex.
b. The area is generally covered by black cotton soil with scattered laterite outcrops.
c. The proposed area was preliminarily investigated during 1965-66 by the Directorate of Geology and Mining, Gujarat. Carried out trenching and drilling and estimated the geological resource of 1.46 million tons of bauxite.
d. The chemical analysis results of samples from boreholes showed average Al2O3 of 53.70 % with SiO2 around 6.76%.
e. During the field season 1975-77, GSI carried out an investigation for concealed bauxite in the Mangrol Keshod area laterite belt in Junagadh district located on the western side of the proposed area. GSI drilled 85 drill holes and based on the surface and subsurface geological data, a total of ten pockets of concealed bauxite/ bauxitic clay deposits were delineated and estimated bauxite resources of around 2.43 million tons.
f. The proposal was discussed in 88th meeting of TCC-I, wherein CGM Gujarat have informed that the proposed Hemal–Barpatoli Block (G4) partially overlaps with GL-45 Hemal Limestone Block (9.88 sq. km), GBAUX-48 Chhelana Bauxite Block (10.7 sq. km), and GCL-42 Kagvadar Clay/Limestone/Sandstone/Silica Sand Block (0.29 sq. km), all linked to the Gujarat's Mineral Wealth workshop held on 17.08.2024. It was further informed that the proposed block also overlaps with four existing mineral leases (two ordinary sand and two natural clay leases), and CGM Gujarat informed that 42 exploration applications, including this block, are presently under process for allocation.
g. During 88th TCC-I, the agency was advised to modify the area as per comments of CGM Gujarat and also instructed CGM to expedite the allocation process.
h. The agency informed that Commissionerate of Geology and Mining Gujarat has allotted this block for G4 stage exploration and granted NOC to them.
i. The agency further apprised the Committee that collected samples yielded analytical results of Al_2O_3:17.55–33.24%, Fe_2O_3: 31.41–43.74%, TiO_2: 1.47–2.63%, V_2O_5: 0.171–0.258%, and LOI: 14.48–18.85%.
j. The committee reviewed the proposal and observed that the instructions given to agency during 88th TCC-I meeting have been complied with. The committee also found the analytical values encouraging enough for reconnaissance survey.
k. NMEDT Secretariat informed the committee that SW part of the modified block is in vicinity of ESZ. The agency was suggested to modify area maintaining the buffer with ESZ.
l. The committee deliberated the proposal and recommended the modified block.

Sl. No.	Agency	Brief Comments
1	GSI	No previous reconnaissance or exploration work has been carried out in the proposed area. There are no ongoing reconnaissance or exploration projects pertaining to Bauxite-Aluminous /Ferruginous Laterite in the proposed area.

28.04.26

28/04/2026

2	MECL	The block proposed by M/s. APC Drilling & Construction Private Limited is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	The proposed Hemal Barpatoli Block (G-4) partially overlaps with the GL-45 Hemal Limestone block (G4, area: 9.88 sq.km) and GBAUX - 48 Chhelana Bauxite block (G4, area: 10.7 sq.km). Both these blocks GL-45 Hemal Limestone and GBAUX - 48 Chhelana Bauxite blocks pertains to the Workshop block on Gujarat's Mineral Wealth held on 17.08.2024. The proposed block also overlaps with the GCL 42 Kagvadar lay/Limestone/Sandstone/Silica Sand Block (G-3, area: 0.29 sq. km), which also pertains to the said workshop. Further, the proposed block overlaps with four existing mineral leases, comprising two ordinary sand leases and two natural clay leases. NoC for this block has been given to APC Drilling & Construction Pvt. Ltd.
5	NMEDT	No NMEDT funded block near the proposed block in NGDR but multiple mining leases are observed within the block.

Recommendations of TCC-1:

The committee recommended the proposal titled "Reconnaissance Survey (G-4) for Aluminous Laterite, Bauxite and associated critical minerals in Hemal-Barpatoli Area, Amreli District, Gujarat" for approval of PSC, NMEDT with an estimated cost of Rs. 99.83 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per Annexure – 12A & 12B. The item will be reviewed after 3 and 6 months.

28.04.26

28/04/2026

ANNEXURE 12A

Reconnaissance Survey (G-4) for Aluminous Laterite, Bauxite and associated critical minerals in Hemal-Barpatoli Area, Amreli District, Gujarat
[Block area-54.70 sq. km; BH-16 Nos (depth 20 m range); Drilling-330 m (15 BH of 20 m and 1 Stratigraphich BH of 30 m); Schedule timeline- 10 months; Review- After 3 and 6 months]

SL No.	Item of Work	Unit	Rates as per NMET SoC		Estimated Cost of the Proposal		Remarks
			SoC-Item - Sl No.	Rates as per SoC	Qty.	Amount (Rs)	
A	**GEOLOGICAL WORK & TOPOGRAPHICAL SURVEY (1:12500 scale)**						
i	Geological Mapping (1:12.500 Scale	sq.km	1.1	18300	54.7	1001010	
ii	Charges for Geologist- Field	day	1.2.1a	14500	60	870000	
iv	2 labours / Party	day	5.8	556	120	66720	
iii	Charges for Geologist - HQ	day	1.2.1a	10500	30	315000	
v	Sampling Party days-1 Samplers Labour charge not included	day	1.2.1b	7850	36	282600	
vi	4 labours/ party	day	5.8	556	144	80064	
vii	Survey Party Days for topographical contour survey, block boundary and borehole points fixation	day	1.3.1	10500	0	0	
viii	Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work)	Nos	1.3.2	24000	16	384000	
ix	4 labours for surveyor	day	5.8	556	0	0	
					Sub Total- A	**2999394**	
B	**SURFACE GEOPHYSICAL SURVEY**						
	Magnetic-Line spacing is 250 meter & station spacing is 50 meter	Per Stations	3.2a	1800	0	0	Targeted area based on Geological Mapping(250m profile

28.04.26

28/04/2026

							spacing, 50 m station Interval; Tentative)
ii	ERT(Electrical Resistivity tomography) upto the depth of 40 meter.	Line km	3.6a	58880	0	0	Targeted area based on Geological Mapping
iii	Charges of one Geophysicist Field	day	3.18	14500	0	0	
iv	Charges of Geophysicist at HQ	day	3.18	10500	0	0	
				Sub Total- B		**0**	
C	**PITTING**						
i	Pitting(1 x1 x2 m)50 No. of Pit	Cu m	2.1.2	4725	100	472500	Pit Samples -50
					Sub Total- C	**472500**	
D	**DRILLING (In House)**						
i	Drilling (Soft Rock)	m	2.2.1.1c	5500	330	1815000	16 BHS @20 m depth
ii	Land / Crop Compensation	per BH	5.6	30000	16	480000	As per actuals
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2000	16	32000	
iv	Miscellaneous charges -Transportation of Drill Rig, Accomodation of Drill Camp, Camo setting & winding,Construction of Approach Road	Lumpsum	2.2.9			453750	If drilling cost is <50 lakhs , then 25% of the drilling cost
	Drill Core Preservation	m	5.3	1590	300	477000	(One complete borehole plus mineralised cores of all the remaining BHs)
					Sub Total- D	**3257750**	
E	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
i	Primary & Check samples BRS/Pit/Chip/Channel/Stream/Soil/BH samples)						
	a. Primary Samples for Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200	230	966000	Core samples 130 , BRS-50, Pit-50

28.04.26

28/04/2026

	b.Check samples(15%) for Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200	23	96600	
2	**Physical,Petrological, Mineralogical Studies**						
i	Preparation of thin polished section	Nos	4.3.2	800	5	4000	
ii	Complete petrographic study report	Nos	4.3.4	2800	5	14000	
iv	Complete mineragraphic study report	Nos	4.3.4	2800	5	14000	
vi	X-RD studies for mineral identification	Nos	4.5.2	4,000	5	20000	
vii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique) including Ga and Sc	Nos	4.1.15	7400	23	170200	
viii	Specific Gravity Determination	Nos	4.8.1	2500	2	5000	From BH
					Sub Total- E	**1289800**	
E					**Total A to E**	**8019444**	
F	Geological Report Preparation - including charges of typing text,, table etc., digitization of maps/ sections etc.,		5.2	Cost per 5 copies of report along with soft copy		250000	2.5 lakhs for Total cost of the project between 50 to 150 lakhs. Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
G	Peer review Charges		As per EC			30000	
H	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs		160389	2% of the approved project cost or 5 lakhs whichever is lower

28.04.26

28/04/2026

				whichever is lower			
I	Total Estimated Cost without GST					**8459833**	
J	Provision for GST (18% of I)					**1522770**	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					**9982603**	
					or Say Rs. In Lakhs	**99.83**	
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 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.**						

28.04.26

28/04/2026

ANNEXURE 12B

Scheduled time for Reconnaissance Survey (G-4) for Aluminous Laterite, Bauxite and associated critical minerals in Hemal-Barpatoli Area, Amreli District, Gujarat

Sl. No.	Activities	Units	Months										
			1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	10
1	Camp Setting	Months												
2	Geological Mapping & Sampling (Bed Rock /Pit/Grab)	Months												
3	Pitting	Cu.m												
4	Coring Drilling	m.												
5	Geological Work (1 Geologist)	Days												
6	Sampling Work -BRS/Pit/Core Samples	Days												
7	Camp Winding	Months												
8	Laboratory Studies	Months												
9	Geological Work, HQ	Days												
10	Geological Report Preparation,Peer Review & Submission	Months												

28.04.26

28/04/2026

Agenda 94.1.17. Reconnaissance Survey (G4) for Bauxite-Aluminous /Ferruginous Laterite and Associated Minerals in Talgajarda-Longadi Block, Bhavnagar District, Gujarat

[Implementing Agency: APC Drilling Construction & Pvt. Ltd.]

a. The area is part of Toposheet No. 41 P/05 & 41 P/01. The geology of the area comprises basalt and andesite of volcanic rocks, along with rhyolite of the Rajula Complex.
b. Directorate of Geology and Mining Gujarat carried out preliminary investigations during 1965–66, including trenching and drilling, and estimated 1.46 million tonnes of bauxite resources. Borehole sample analysis showed average Al_2O_3 of 53.70% with SiO_2 around 6.76%.
c. During FS 1975–77, Geological Survey of India investigated concealed bauxite in the Mangrol–Keshod laterite belt west of the proposed area. Based on 85 drill holes, ten concealed bauxite/bauxitic clay pockets were delineated with estimated resources of about 2.43 million tonnes.
d. The proposal was discussed in 88th meeting of TCC-I, wherein CGM Gujarat have informed that the proposed Hemal–Barpatoli Block (G4) partially overlaps with GL-45 Hemal Limestone Block (9.88 sq. km), GBAUX-48 Chhelana Bauxite Block (10.7 sq. km), and GCL-42 Kagvadar Clay/Limestone/Sandstone/Silica Sand Block (0.29 sq. km), all linked to the Gujarat's Mineral Wealth workshop held on 17.08.2024. It was further informed that the proposed block also overlaps with one existing mineral leases, and CGM Gujarat informed that 42 exploration applications, including this block, are presently under process for allocation.
e. During 88th TCC-I, instructed CGM to expedite the allocation process.
f. The agency informed that Commissionerate of Geology and Mining Gujarat has allotted this block for G4 stage exploration and granted NOC to them.
g. The agency further apprised the Committee that collected samples yielded analytical results of Al_2O_3:16.27–32.46%, Fe_2O_3: 4.01-34.22%, TiO_2: 1.85–6.25%, V_2O_5: 0.123–0.160%, and LOI: 11.14–28.22%.
h. The committee reviewed the proposal and observed that the instructions given to agency during 88th TCC-I meeting have been complied with. The committee also found the analytical values encouraging enough for reconnaissance survey.
i. The committee deliberated the proposal and recommended the proposal for approval. The agency is also instructed that the quarry lease area may be left during mapping work

Sl. No.	Agency	Brief Comments
1	GSI	No previous reconnaissance or exploration work has been carried out in the proposed area. There are no ongoing reconnaissance or exploration projects pertaining to Bauxite-Aluminous /Ferruginous Laterite in the proposed area.
2	MECL	The block proposed by M/s. APC Drilling & Construction Private Limited is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	The proposed Talgajarda-Longadi Block (G4 Stage) fully overlaps with the GBAUX-49 Longadi Bauxite Block (G4 level; area: 10.4 sq.

28.04.26

28/04/2026

		km). GBAUX-49 Longadi Bauxite Block pertains to the Workshop block on Gujarat's Mineral Wealth held on 17.08.2024 and part of 42 blocks for which NOC decision is currently under process. Further, the proposed block overlaps with one existing mineral lease.
5	NMEDT	Proposed block do not overlapped with the NMEDT funded projects but one minor mineral lease is observed within the proposed block.

Recommendations of TCC-1:

The committee recommended the proposal titled "Reconnaissance Survey (G-4) for Aluminous Laterite, Bauxite- and associated critical minerals in Talgajarda-Longadi area, Districts: Bhavnagar, State: Gujarat" for approval of PSC, NMEDT with an estimated cost of Rs. 134.50 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per ANNEXURE – 13A & 13B. The item will be reviewed after 3 and 6 months.

ANNEXURE 13A

Reconnaissance Survey (G-4) for Aluminous Laterite, Bauxite- and associated critical minerals in Talgajarda-Longadi area, Districts: Bhavnagar, State: Gujarat

[Block area- 87.30 sq. km; Scout Drilling, BH-25 Nos (1 Stratigraphic bore hole); Drilling meterage- 500 m; Schedule timeline- 10 months, Review- After 3 and 6 months]

SL No.	Item of Work	Unit	Rates as per NMET SoC		Estimated Cost of the Proposal		Remarks
			SoC- Item - Sl No.	Rates as per SoC	Qty.	Amount (Rs)	
A	**GEOLOGICAL WORK & TOPOGRAPHICAL SURVEY (1:12500 scale)**						
i	Geological Mapping 1:12500 scale	Sq.km	1.1	18300	87.3	1597590	
ii	Charges for Geologist- Field	day	1.2.1a	14500	60	870000	Fore core logging, pitting, sampling and other Geological work
iv	2 labours / Party	day	5.8	556	120	66720	
iii	Charges for Geologist - HQ	day	1.2.1a	10500	30	315000	
v	Sampling Party days-1 Samplers Labour charge not included	day	1.2.1b	7850	50	392500	
vi	4 labours/ party	day	5.8	556	200	111200	
vii	Survey Party Days for topographical contour survey and borehole points fixation	day	1.3.1	10500	0	0	
ix	4 labours for surveyor	day	5.8	556	0	0	
viii	Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (Including Labours)	Nos	1.3.2	24000	25	600000	
					Sub Total- A	**3953010**	
B	**SURFACE GEOPHYSICAL SURVEY**						

28.04.26

28/04/2026

	Magnetic Survey-Line spacing is 250 meter & station spacing is 50 meter	Per Stations	3.2a	1800	0	0	Targeted area based on Geological Mapping(250m profile spacing, 50 m station Interval; Tentative)
ii	ERT(Electrical Resistivity tomography) upto the depth of 40 meter.	Line km	3.6a	58880	0	0	Targeted area based on Geological Mapping
iii	Charges of one Geophysicist Field	day	3.18	14500	0	0	
iv	Charges of Geophysicist at HQ	day	3.18	10500	0	0	
					Sub Total- B	**0**	
C	**PITTING**						
i	Pitting(1 x1 x2 m) 50 No. of Pit	Cu m	2.1.2	4725	100	472500	Pit Samples -50
					Sub Total- C	**472500**	
D	**DRILLING**						
i	Drilling (Soft Rock)	m	2.2.1.1c	5500	500	2750000	1 stratigraphic BH and 24 Scout Boreholes
ii	Land / Crop Compensation	per BH	5.6	30000	25	750000	As per actuals
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2000	25	50000	
iv	Miscellaneous charges -Transportation of Drill Rig, Accomodation of Drill Camp, Camo setting & winding,Construction of Approach Road and Drill Core Preservation	Limpsum	2.2.9	Lumpsum		687500	If drilling cost is <50 lakhs , then 25% of the drilling cost
	Drill Core Preservation	m	5.3	1590	250	397500	(One complete borehole plus mineralised cores of all the remaining BHs)
					Sub Total- D	**4635000**	
E	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
i	Primary & Check samples BRS/Pit/Chip/Channel/Stream/Soil/BH samples)						

28.04.26

28/04/2026

	a. Primary Samples for Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200	330	1386000	BRS 80, PTS 50; Core Samples 200
	b.Check samples(15%) for Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200	33	138600	
2	**Physical,Petrological, Mineralogical Studies**						
i	Preparation of thin polished section	Nos	4.3.3	800	5	4000	
ii	Complete petrographic study report	Nos	4.3.4	2800	5	14000	
iv	Complete mineragraphic study report	Nos	4.3.4	2800	5	14000	
vi	X-RD studies for mineral identification	Nos	4.5.2	4,000	5	20000	
vii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique) including Ga and Sc	Nos	4.1.15	7400	35	259000	
viii	Specific Gravity Determination	Nos	4.8.1	2500	2	5000	From BH sample
					Sub Total- E	**1840600**	
E					**Total A to E**	**10901110**	
F	Geological Report Preparation - including charges of typing text,, table etc., degitization of maps/ sectinons etc.,		5.2	Cost per 5 copies of report along with soft copy		250000	2.5 lakhs for Total cost of the project between 50 to 150 lakhs. Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
G	Peer review Charges		As per EC			30000	
H	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs		218022	

28.04.26

28/04/2026

				whichever is lower			
I	Total Estimated Cost without GST					**11399132**	
J	Provision for GST (18% of I)					**2051844**	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					**13450976**	
				or Say Rs. In Lakhs		**134.50**	
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 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.**						

28.04.26

28/04/2026

ANNEXURE 13B

Scheduled time for Reconnaissance Survey (G-4) for Aluminous Laterite, Bauxite- and associated critical minerals in Talgajarda-Longadi area, Districts: Bhavnagar, State: Gujarat

Sl. No.	Activities	Units	Months											
			1	2	3		4	5	6		7	8	9	10
1	Camp Setting	Months												
2	Geological Mapping & Sampling (Bed Rock /Pit/Grab)	Months												
3	Pitting	Cu.m												
4	Coring Drilling	m.												
5	Geological Work (1 Geologist)	Days												
6	Sampling Work -BRS/Pit/Core Samples	Days												
7	Camp Winding	Months												
8	Laboratory Studies	Months												
9	Geological Work, HQ	Days												
10	Geological Report Preparation,Peer Review & Submission	Months												

REVIEW

REVIEW

28.04.26

28/04/2026

Agenda 94.1.18. Reconnaissance survey (G4) for Aluminous Laterite and associated minerals, Umroli Block, Ratnagiri District, Maharashtra

[Implementing Agency: Kartikay Exploration and Mining Services Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 47G/07 and is predominantly occupied by basaltic lava flows of the Sahyadri Group of the Deccan Trap Supergroup.
b. The basaltic lava pile attains an overall thickness of ~318 m, with individual flows ranging from 20 to 30 m. A Cenozoic lateritic cover is extensively developed over the basalts, exhibiting an undulating contact and wide areal distribution.
c. GSI carried out NGCM (FS 2022–23) over ~1320 sq. km in Toposheet Nos. 47G/07 and 47G/08 (1:50,000 scale), and identified potential zones of aluminous laterite with associated REE and critical minerals (V, Ga, TiO_2, Sc, Ba, Ni, Co, Be, Sn).
d. Further investigation was recommended for tin (Sn) over basalts of the Purandargarh and Diveghat Formations, along with noted elevated vanadium (V) values in the Basani area over alluvium and laterite.
e. In view of the above, the agency proposed the block for G-4 stage exploration for aluminous laterite and associated critical minerals, with work components including large-scale geological mapping (1:12500), pitting/trenching, and resource assessment through systematic grid-pattern drilling under the UNFC G-4 category.
f. The proposal was discussed in 92nd TCC-I meeting, wherein, DGM Maharashtra have informed that out of 127 sq. km of proposed area, 60.81 sq. km falls in ESZ of Sahyadris.
g. The Committee had suggested the agency to modify the area and then present it again.
h. The agency has collected grab samples and the analytical results yielded 25 to 32% Al_2O_3 and 800-900 ppm of Vanadium.
i. The committee reviewed the proposal and observed that the instructions given to agency during 92nd TCC-I meeting have been complied with. The committee also found the analytical values encouraging enough for reconnaissance survey.
j. The committee deliberated the proposal and recommended the proposal for approval.

Sl. No.	Agency	Brief Comments
1	GSI	One M-II (RP) item titled "Regional assessment of Vanadium and associated critical / trace element in lateritic profiles developed over the Deccan Trap basalts in parts of Ratnagiri and Raigad districts, Maharashtra" is under execution.
2	MECL	The block proposed is not overlapping with MECL explored block and ongoing blocks.
3	AMD	AMD has not carried out worked any exploration / reconnaissance project in the proposed block. There is no ongoing exploration / reconnaissance project.
4	State DMG/DGM/CGM	It is submitted that, as per the Ministry of Environment, Forest and Climate Change draft notification dated 31.07.2024. the villages

28.04.26

28/04/2026

		hakmoli and Turambao covered in the said area fall under the Eco-Sensitive Area (ESA).
5	NMEDT	There are no NMEDT funded blocks overlapping with the proposed area

Recommendations of TCC-1:

The committee recommended the proposal titled "Reconnaissance survey (G4) for Aluminous laterite and associated critical minerals in Umroli Block, District: Ratnagiri, State: Maharashtra" for approval of PSC, NMEDT with an estimated cost of Rs. 143.44 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per ANNEXURE – 14A & 14B. The item will be reviewed after 3 and 6 months.

28.04.26

28/04/2026

ANNEXURE 14A

Reconnaissance survey (G-4) for Aluminous laterite and associated critical minerals in Umroli Block, District: Ratnagiri, State: Maharashtra
Block area- 100.63 sq. km; No of BH:20 (20 BH x 25m) Total Drilling : 500 m Schedule timeline- 10 months, Review: after 03 months & 06 months.
[Implementing Agency: Kartikay Exploration And Mining Services Private Limited (KEMSPL)]

			Rates as per NMET SoC 4.12.2025		Estimated Cost of the		
S.No.	**Item of Work**	**Unit**	**SoC-Item-Sl No.**	**Rates as per SoC**	**Proposal**		**Remarks**
A					**Qty.**	**Amount (Rs)**	
1	**SURVEY WORK**						
	Geological mapping (1:12500 scale)	Per sq km	1.1	18300	100.63	1841529	
	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and By DGPS	Nos	1.3.2	24,000	20	480,000	20 Boreholes
2	**GEOLOGICALWORK**						
	Charges for One Geologist for **Geoligcal Mapping**- Field	Per day	1.2.1a	14,500	60	870,000	(Sampling, Corelogging and other Geological Work)
	2 labours / party	day	5.8	556	120	66,720	
	Charges for one Geologist per-HQ Map & GR	Per day	1.5.1a	10,500	30	315,000	
	Sampler for sample preparation	Per day	1.2.1b	7850	61	478,850	
	Labours for sampler	day	5.8	556	244	135,664	
				Sub Total-A		**4,187,763.00**	
B	Pitting	Cu m	2.1.2	4725	100	472,500	Depth 1*1*1 m
	Trenching	Cu m	2.1.1	4125	0	0	Depth 1m
					Sub Total -B	**472,500**	
C	**DRILLING (In House)**						
i	Drilling upto 300m soft rock	m	2.2.1.1c	5,500	500	2,750,000	

28.04.26

28/04/2026

ii	Land/ Crop compensation	Per BH	5.6	30000	20	600,000	Amount will be reimbursed as per actuals or max.Rs.30000 per BH
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	20	40,000	
	Bore hole Plugging by Cement	per borehole	2.2.8	10,000	20	200,000	
v	Miscellaneous Charges- Transportation of Drill Rig & Truck associated per Drill (2 DRILL RIGS)	lumpsum	2.2.9			687,500	
x	Drill Core Preservation	per m	5.3	1590	300	477,000.00	
					Sub Total -C	**4,754,500.00**	
D	**LABORATORYSTUDIES**						
1	**Chemical Analysis**						
i	Major oxides (WD XRF)-(oxides+ traces -24 elements)	Nos	4.1.17a	4200	400	1,680,000.00	PTS :100 + 300 Core samples
i.a	Major oxides (WD XRF)-(oxides+ traces -24 elements) (10% Check samples)	Nos	4.1.17a	4200	40	168,000.00	BRS, Pit and Drilled core
iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique)	per sample	4.1.15	7400	40	296,000.00	
	10% external Check samples for Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element	per sample	4.1.15	7400	4	29,600.00	
2.0	**Petrographic studies**						
a	Preparation of thin polished sections	Per Sample	4.3.2	800	5	4,000	

28.04.26

28/04/2026

b	Study of thin sections	Per Sample	4.3.4	2800	5	14,000	
c	Preparation of polished sections	Per Sample	4.3.2	800	0	0	
d	Study of polished sections	Per Sample	4.3.3	2800	0	0	
e	Bulk Density Analysis	Per Sample	4.8.3	2500	5	12,500	
f	XRD Mineral phase analysis	Nos	4.5.2a	4900	5	24,500	
					SubTotal-D	**2,228,600.00**	
				Total (A+B+C+D)		**11,643,363.00**	
E	**Preparation of Exploration Proposal (5 Hard copies with a soft copy)**	Nos	5.1	2% of the cost or Rs. 5.0 Lakhs whichever is lower	1	232,867	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan a suggested by the TCC-NMET in its meeting while Clearing the proposal.
F	**Geological Report Preparation**	Nos	5.2			250,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
G	**Peer review Charges**	Lumpsum	**As per EC decision**	30000	1	30,000	
H	**Total Estimated Cost without GST**					**12,156,230**	
I	**Provision for GST (18%ofl)**					**2,188,121**	GST will be reimburse as per actual and as per Notified prescribed rate
J	**Total Estimated Cost with GST**					**14,344,352**	
							Or Say Rs. In Lakhs 143.44

28.04.26

28/04/2026

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 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.

28.04.26

28/04/2026

ANNEXURE 14B

Scheduled time for Reconnaissance survey (G-4) for Aluminous laterite and associated critical minerals in Umroli Block, District: Ratnagiri, State: Maharashtra

S.No.	Description	Months/Days	1	2	3	REVIEW	4	5	6	7	REVIEW	9	10
1	Camp Setting	Months											
	Topographical survey	Months											
2	Geological map & Pitting	Months											
5	Drilling(1rig)	Months											
6	Sampling	Months											
7	Laboratory Studies	Months											
8	Report Writing with Review	Months											

28.04.26

28/04/2026

Agenda 94.1.19. Reconnaissance Survey (G4 stage) for Scandium, Gold, Gallium, Silver and Associated Minerals in Serpar-Bhimpuri Block, Mohla, Manpur and Dondi Taluka, Mohla-Manpur-Ambagarh Chowki and Balod District, Chhattisgarh (180 Sq. km)

[Implementing Agency: Gemco Kati Exploration Pvt. Ltd.]

a. The proposed area falls in Survey of India TS No. 64D/14 and exposes rocks of Bailadila and Nandgaon Groups of Chhattisgarh Supergroup.
b. The project is proposed based on NGCM values of Scandium (Sc) reaching up to 1200 ppm, along with a few encouraging values for Silver (Ag), Gold (Au), and other elements, as identified by GSI during the Field Season 2017–18.
c. Geochemical data from the National Geochemical Mapping (NGCM) program, conducted by the Geological Survey of India (FSP 2017–2018), have reported anomalous scandium concentrations of up to 1476 ppm in the soil C horizon derived from basaltic parent rocks present in block area. The regolith samples have also yielded Sc upto 825 ppm.
d. The proposal was discussed in 81st meeting of TCC-1, wherein the proposal was approved in principle and the agency was advised to undertake a field visit, collect samples for analysis, and present the Detailed Project Report (DPR).
e. The agency collected 11 samples and got them analysed; however, the analytical results yielded Sc <50 ppm and Ag <1 ppm. The results are not encouraging enough to warrant further exploration.
f. The Committee noted the significant mismatch between values reported in previous work and the present sample results, and suggested that Geological Survey of India, CR and NMH-I, GSI be requested to carry out recheck analysis of the samples where anomalous values were earlier reported. Those unit cells should also be revisited.

Sl. No.	Agency	Brief Comments
1	GSI	>100% overlapping found in the proposed Block with GSI previous works of FS 1996-97. (Preliminary Prospecting For Gold Mineralisation In Pyriteferous Gabbro And Tuffite In Dangarh-Chauki Areas, Bastar And Rajnandgaon Districts (P-II Stage), MP.
2	MECL	The block proposed is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	The proposed area overlaps with 02 Iron Ore Mining Leases. (block revised thereafter)
5	NMEDT	There is no overlapping with NMEDT funded block with the proposed area.

Recommendations of TCC-1:

The committee did not recommend the proposal as the analytical values are not encouraging.

28.04.26

28/04/2026

Agenda 94.1.20. Preliminary Exploration (G3) for Iron and Manganese in Betajhar block (1.367 sq. km.), District Sundergarh, Odisha
[Implementing Agency: Odisha Mining Corporation (OMC) Ltd.]

a. The proposed block falls in Survey of India TS No. 73 G/5 and forms a part of the Horseshoe synclinorium of Jamda-Koira Valley (Jones., 1934).
b. The Betajhar block forms a part of the Bonai-Keonjhar (B-K) Belt with rocks of the Iron Ore Super Group.
c. The proposal was discussed in 88th TCC – I meeting, wherein the committee deferred the proposal and suggested for the revised proposal after discussion with State DMG to resolve the overlap issue.
d. The agency apprised the committee that Department of Steel & Mines, Government of Odisha, vide their notification No. 4326/S & M, dtd. 21.05.2024, has allotted Betajhar Block to OMC for exploration.
e. Representative of DGM Odisha present in the meeting confirmed that DGM has alloted the Betajhar block to OMC. It was further confirmed by DMG that TATA steel has handed over the block to OMC in agreement with DMG. The committee instructed DGM Odisha to send their consent in writing to NMEDT Secretariat.
f. The proposed area lies on the eastern limb of the Horse-Shoe Synclinorium (B–K Belt), where the Iron Ore Supergroup (IOSG) comprises three BIF horizons (BIF-I, BIF-II and youngest BIF-III), the latter hosting high-grade large ore bodies with distinct structural, stratigraphic, mineralogical and ore-deposit characteristics.
g. The area is extensively lateritised and comprises iron ore, laterite, manganiferous laterite, manganese-bearing laterite, ferruginous shale and shale, with exposures along roads, nala sections and hilltops. Shale beds strike NNE–SSW and dip towards the NW, mainly in the eastern part of the block.
h. Manganese-bearing laterite dominates the central and north-western parts, laterite is prominent in the west, manganese mineralisation occurs in discrete south–north trending patches with a non-working manganese quarry in the western part, while iron ore occurs sparsely in the central part.
i. OMC Ltd. informed committee that a total of 10 bedrock samples from the Betajhar Block have been analysed which has yielded upto 58.3% iron and upto 48.06% Manganese.
j. The agency discussed the proposal and decided that the work will be carried out in two phases. The 1st phase would include Detailed Mapping on 1:2000 scale along with pitting-trenching and analysis of samples. In this phases, iron and manganese bands would be delineated.
k. The second phase would include drilling and associated chemical analysis.

Sl. No.	Agency	Brief Comments
1	GSI	1. As per the available geoscience data, a number of G4 stage exploration activities has been carried out for iron/manganese in the proposed area. The details of the reports are mentioned below and are readily available in OCBIS and NGDR portal for reference. 2. No ongoing exploration/reconnaissance projects related to Iron/Manganese or any other mineral commodity is being carried out by GSI in the proposed area. 3. No Composite License or Mining Lease for either Major or Minor minerals is present in the proposed block.

28.04.26

28/04/2026

		Hence, the proposed block can be taken up at G3 stage.
2	MECL	No overlapping
3	AMD	NA
4	State DMG/DGM/CGM	The major part of proposed block overlaps with surrendered ML of M/s Tata Steel. The Ex-Lessee has already explored the block in detail over an area of 0.322 sq km by drilling 93 boreholes of 3035.10m meterage. DoMG has also explored the area in 2021-22 for manganese deposit. The overlapping area need to be excluded from the proposed G3 block and to cover the balance area where drilling has not been done so far and revise proposal as per the exploration data is available.
5	NMEDT	Overlap with existing Iron ore Lease, Overlap with multiple G2/G3 Projects of Iron Ore in the area (Preliminary exploration (G3) of iron ore in Jaldihi Block, Sundargarh District, Odisha. M2AFGBM-MEP/NC/ER/SU-ODS/2022/40574) and No overlap with NMEDT funded projects.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for Iron and Manganese Ore in Betajhar Block, District: Sundargarh, Odisha" for approval of PSC, NMEDT with an estimated cost of Rs. 358.67 lakhs (including GST) with a timeline of 12 months for carrying out the proposed work and submission of report as per ANNEXURE – 15A & 15B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 15A

Preliminary Exploration (G3) for Iron and Manganese Ore in Betajhar Block, District: Sundargarh , Odisha

[Block Area: 1.367 sq.km, Total Drilling: 1500 m; Nos. of Borehole: 20 Nos. (Tentative), Borehole Depth Range: 75 mtr, Time Schedule: 12 Months; Review after: 3, 6 and 9 months]

Sl No.	Item of work	Unit	Rate as per NMET SOC 2025		Estimated cost of proposal		Remarks
			SOC item Sl. No.	Rate as per SOC (in Rs.)	Quantum of Work	Total Amount (in Rs.)	
PHASE - 1 Detailed Mapping with Contouring and Surface Sampling							
1A	**Geological Mapping with contouring (1:2000) and other Geological Work**						
1	Geological Mapping with contouring (1:2000)	Sq. Km.	1.1	18,300.00	1.367	25,016.10	1.367 Sq. Km.
2	Charges for one Geologist per day at Field	Per day	1.2.1a	14,500.00	60	870,000.00	(For mapping, pitting, sampling)
3	Charges for one Geologist per day at HQ	Per day	1.2.1a	10,500.00	30	315,000.00	(For both phases
4	Labour (2 Nos.) per party	Per day	5.8	556.00	120	66,720.00	
5	Charges for One Sampler per day	Per day	1.2.1b	7,850.00	21	164,850.00	
6	Labour (4 Nos.) per party	Per day	5.8	556.00	84	46,704.00	
7	Charges for one Surveyor per day (Topography Survey)	Per day	1.3.1	10,500.00	40	420,000.00	for both phases
8	Labour (4 Nos.) per party	Per day	5.8	556.00	160	88,960.00	
9	Demarcation of lease boundary, Fixation of Borehole and determination of co-ordinates &	Per point of observation	1.3.2	24,000.00	10	240,000.00	10 Boundary points

28.04.26

28/04/2026

	Reduced Level (RL) of the boreholes by DGPS						
					Sub - Total - 1A	**2,237,250.10**	
1B	**Laboratory Studies**						
i	**Chemical Analysis**						
	Primary Samples(Surface Samples)						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per Sample	4.1.17a	4,200.00	150	630,000.00	Detailed Sampling : 100 Bed Rock Samples and 50 Available Quarry/Pit Samples
	Major oxides (WD XRF)- (oxides+ traces -24 elements) External Check Samples (10%)	Per Sample	4.1.17a	4,200.00	15	63,000.00	
ii	**Physical Analysis**						
1	Preparation of standard thin section of rock	Per Sample	4.3.1	500.00	0	-	
2	Complete Petrographic Studies (alongwith 05 nos. of digital photo micrographs)	Per Sample	4.3.4	2,800.00	5	14,000.00	
3	Preparation of polished thin section of rock/ wafer	Per Sample	4.3.2	800.00	5	4,000.00	
4	Complete Mineragraphic Studies (alongwith 05 nos. of digital photo micrographs)	Per Sample	4.3.4	2,800.00	5	14,000.00	
iii	**Analysis of rock sample for quantitative analysis of REE + 9 trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)**	Per Sample	4.1.15	7,400.00	5	37,000.00	
					Sub - Total - 2B	**762,000.00**	
1C					**PHASE - I TOTAL (1A+1B+1C)**	**2,999,250.10**	

28.04.26

28/04/2026

PHASE - 2 EXPLORATION							
2A	**Drilling Work (Out Sourced)**						
1	Drilling - Hard rock (HQ Size)	Per m	2.2.1.1d	10,000.00	1500	15,000,000.00	1 Stratigraphic BH and 19 planned BH. BH plan to be reviewed after 1st stage of work
2	Construction of concrete Pillar (12"×12"×30")	per borehole	2.2.7	2,000.00	20	40,000.00	
3	Borehole plugging by cement	per borehole	2.2.8	10,000.00	20	200,000.00	
4	Drill core preservation	Per m	5.3	1,590.00	700	1,113,000.00	
					Sub - Total - 2A	**16,353,000.00**	
2B	**Geological Mapping and other Geological Work**						
1	Charges for one Geologist per day at Field	Per day	1.2.1a	14,500.00	60	870,000.00	For core logging
2	Charges for one Geologist per day at HQ	Per day	1.2.1a	10,500.00	20	210,000.00	
3	Labour (2 Nos.) per party	Per day	5.8	556.00	120	66,720.00	
4	Charges for one Surveyor per day (Topography Survey)	Per day	1.3.1	10,500.00	0	-	
5	Labour (4 Nos.)	Per day	5.8	556.00	0	-	
6	Charges for One Sampler per day	Per day	1.2.1b	7,850.00	141	1,106,850.00	
7	Labour (4 Nos.)	Per day	5.8	556.00	564	313,584.00	
8	Demarcation of lease boundary, Fixation of Borehole and determination of co-ordinates &	Per point of observation	1.3.2	24,000.00	20	480,000.00	20 Boreholes

28.04.26

28/04/2026

	Reduced Level (RL) of the boreholes by DGPS						
					Sub - Total - 2B	**3,047,154.00**	
2C	**Laboratory Studies (Out Source)**						
i	**Chemical Analysis**						
	Primary Samples(Core Samples + Check Samples)						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per Sample	4.1.17a	4,200.00	1000	4,200,000.00	
2	Major oxides (WD XRF)- (oxides+ traces -24 elements) 10% Check Samples	Per Sample	4.1.17a	4,200.00	100	420,000.00	10% Check Samples
	Composite samples						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements) 10% Check Samples	Per Sample	4.1.17a	4,200.00	0	-	
ii	**Physical Analysis**						
1	Preparation of standard thin section of rock	Per Sample	4.3.1	500.00	0	-	
2	Complete Petrographic Studies (alongwith 05 nos. of digital photo micrographs)	Per Sample	4.3.4	2,800.00	5	14,000.00	
3	Preparation of polished thin section of rock/ wafer	Per Sample	4.3.2	800.00	5	4,000.00	
4	Complete Mineragraphic Studies (alongwith 05 nos. of digital photo micrographs)	Per Sample	4.3.4	2,800.00	10	28,000.00	
iii	**XRD analysis**	Per Sample	4.5.2	4,000.00	10	40,000.00	
v	**Analysis of rock sample for quantitative analysis of REE + 9 trace elements (U, Ta, Ge, Be, Hf,**	Per Sample	4.1.15	7,400.00	25	185,000.00	

28.04.26

28/04/2026

	Sn, As, Rb, Th) by ICP-MS (sequential technique)						
vi	**Bulk Density**	Per Sample	4.8.3	2,500.00	10	25,000.00	
					Sub - Total - 2C	**4,916,000.00**	
2D					**PHASE - II TOTAL (2A+2B+2C)**	**24,316,154.00**	
	Total Outsourced Components					**15,000,000.00**	
	Tendering Process Cost	One time in case of outsourced component(s) of project work	5.9	2% of the approved project cost or 5 Lakh whichever is lower will be paid one time		**300,000.00**	
	Technical Supervision Fee		6	In case of total outsourcing of work. The technical supervision cost shall be 10% of the sum of all the outsourced work component with maximum ceiling of 20 lakh.		**1,500,000.00**	
	Total Cost					**29,115,404.10**	
3	Preparation of Exploration Proposal		5.1	2% of approved project cost or ₹5 lakh whichever is lower.		500,000.00	
4	Geological Report Preparation	Cost per 5 Hard copies of report	5.2	Total cost of project exceeding 150 lakh.		750,000.00	

28.04.26

28/04/2026

		along with soft copy				
7	Peer Review		As per EC decision		30,000.00	
8	Total Estimated cost without GST (18%) (1D+2D+3+4+5+6+7)				30,395,404.10	
9	GST (18%)				5,471,172.74	
10	**Grand Total (8+9)**				**35,866,577**	***358.67 Lakhs***
11				**Rs. In lacs**	**358.67**	
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 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.**					

28.04.26

28/04/2026

ANNEXURE 15 B

Sl. No.	Activities	Unit	Months														
			1	2	3		4	5	6		7	8	9		10	11	12
			Phase - 1				Phase - 2										
1	Geological Mapping (Scale-1:2000)	Sq. Km				REVIEW				REVIEW				REVIEW			
2	Surface / Quarry / Pit Sampling	Nos.															
3	Chemical Analysis of BRS and Quarry / Pit Samples	Nos.															
4	Physical Analysis and REE Studies	Nos.															
5	Core Drilling	m															
6	Borehole and Topographic Survey	Nos. / Sq. Km															
7	Sampling and Chemical Analysis	Nos.															
8	Laboratory Studies	Nos.															
9	Geological Report Writing and Peer Review	Months															

28.04.26

28/04/2026

Agenda 94.1.21. Preliminary Exploration (G3) for Iron and Manganese in Kenamenta block 0.7009 sq. km.), District Sundergarh, Odisha
[Implementing Agency: Odisha Mining Corporation (OMC) Ltd.]

a. The proposed block falls in Survey of India TS No. 73 G/5 and forms a part of the Horseshoe synclinorium of Jamda-Koira Valley (Jones., 1934).
b. The Betajhar block forms a part of the Bonai-Keonjhar (B-K) Belt with rocks of the Iron Ore Super Group.
c. The proposal was discussed in 88th TCC – I meeting, wherein the committee deferred the proposal and suggested for the revised proposal after discussion with State DMG to resolve the overlap issue.
d. The agency apprised the committee that Department of Steel & Mines, Government of Odisha, vide their notification No. 4326/S & M, dtd. 21.05.2024, has allotted Betajhar Block to OMC for exploration.
e. Representative of DGM Odisha present in the meeting confirmed that DGM has alloted the Betajhar block to OMC. It was further confirmed by DMG that TATA steel has handed over the block to OMC in agreement with DMG. The committee instructed DGM Odisha to send their consent in writing to NMEDT Secretariat.
f. The northern part of the block overlaps the Malda Mn Mining Lease (Block-I) of Tata Steel Ltd. (684 ha), while the central-southern part overlaps the earlier G4 exploration area (2012–13) of Directorate of Mines and Geology Odisha.
g. Block-I is the largest and most mineralised Malda lease block with 5.12 million tonnes resources. Five boreholes of TISCO intersected Mn mineralisation at an average depth of 35 m, with ore thickness ranging from 0.4 m to 4.4 m.
h. The G4 study identified Northern, Middle and Southern Mn-bearing bands and estimated 43,480 tonnes inferred resources from two boreholes, but the mineralisation occurs as discontinuous lenses, pockets, veins and nodules, and the available data is inadequate for reliable resource estimation.
i. OMC Ltd. informed committee that a total of 4 bedrock samples from the Kenamenta Block have been analysed which has yielded upto 69% iron and upto 54% Manganese.
j. The agency discussed the proposal and decided that the work will be carried out in two phases. The 1st phase would include Detailed Mapping on 1:2000 scale along with pitting-trenching and analysis of samples. In these phases, iron and manganese bands would be delineated.
k. The second phase would include drilling and associated chemical analysis.

Sl. No.	Agency	Brief Comments
1	GSI	1. As per the available geoscience data, a number of G4 stage exploration activities has been carried out for iron/manganese in the proposed area. The details of the reports are mentioned below and are readily available in OCBIS and NGDR portal for reference. 2. No ongoing exploration/reconnaissance projects related to Iron/Manganese or any other mineral commodity is being carried out by GSI in the proposed area. 3. No Composite License or Mining Lease for either Major or Minor minerals is present in the proposed block. Hence, the proposed block can be taken up at G3 stage.

28.04.26

28/04/2026

2	MECL	No overlap
3	AMD	NA
4	State DMG/DGM/CGM	A part of proposed block overlaps with surrendered ML of M/s TISCO. The Ex-Lessee has already explored the block in detail over an area of 0.117 sq km by drilling 08 boreholes. DoMG has also explored the area in 2012-13 for iron ore & manganese deposit. The overlapping area need to be excluded from the proposed G3 block and to cover the balance area where drilling has not been done so far and revise proposal as per the exploration data is available.
5	NMEDT	Ongoing Projects of FS 2022-23 (Preliminary exploration (G3) of iron ore in Jaldihi Block, Sundargarh District, Odisha. M2AFGBM-MEP/NC/ER/SU-ODS/2022/40574) and 2024-25 (Characterisation of the Manganese-critical mineral association in the Bonai-Keonjhar Belt of Odisha. M2ASMIF-RP/NC/ER/SU-ODS/2024/50525) have complete overlap and No overlap with NMEDT funded projects.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G-3 stage) for Iron & Manganese Ore in Kenamenta Block, Sundargarh District, Odisha" for approval of PSC, NMEDT with an estimated cost of Rs. 208.35 lakhs (including GST) with a timeline of 12 months for carrying out the proposed work and submission of report as per Annexure – 16A & 16B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 16 A

Preliminary Exploration (G-3 stage) for Iron & Manganese Ore in Kenamenta Block, Sundargarh District, Odisha
[Area: 0.7009 sq. km; Total Drilling: 800 m; No. of BH: 10 nos.; Borehole depth range- 80m (Tentative); Schedule timeline- 12 months. Review after: 3, 6 and 9 months]

S. No.	Item of Work *	Unit	Rates as per NMET SoC 2025		Estimated Cost of the Proposal		Remarks
			SoC-Item No.	Rates as per SoC (a)	Qty. (b)	Total Amount (Rs) (a x b)	
	PHASE - I						
A	**Geological Mapping [Detailed Mapping (DM)] with contouring, Other Geological Work and Surveying**						
	PHASE - 1 Detailed Mappingwith Contouring and Surface Sampling						
1A	**Geological Mapping with contouring (1:2000) and other Geological Work**						
1	Geological Mapping with contouring (1:2000)	Sq. Km.	1.1	18,300.00	0.7009	12,826	
2	Charges for one Geologist per day at Field	Per day	1.2.1a	14,500.00	40	580,000.00	(For mapping, pitting, sampling)
3	Charges for one Geologist per day at HQ	Per day	1.2.1a	10,500.00	30	315,000.00	(For both phases
4	Labour (2 Nos.) per party	Per day	5.8	556.00	80	44,480.00	
5	Charges for One Sampler per day	Per day	1.2.1b	7,850.00	8	62,800.00	
6	Labour (4 Nos.) per party	Per day	5.8	556.00	32	17,792.00	
7	Charges for one Surveyor per day (Topography Survey)	Per day	1.3.1	10,500.00	30	315,000.00	for both phases
8	Labour(4 Nos.) per party	Per day	5.8	556.00	120	66,720.00	
9	Demarcation of lease boundary, Fixation of Borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	Per point of observation	1.3.2	24,000.00	18	432,000.00	18 Boundary points
					Sub - Total - 1A	**1,846,618**	

28.04.26

28/04/2026

1B	**Laboratory Studies**						
i	**Chemical Analysis**						
	Primary Samples(Surface Samples)						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per Sample	4.1.17a	4,200.00	50	210,000.00	Detailed Sampling : 30 Bed Rock Samples; 20 samples from available pit and quarry
	Major oxides (WD XRF)- (oxides+ traces -24 elements) External Check Samples (10%)	Per Sample	4.1.17a	4,200.00	5	21,000.00	
ii	**Physical Analysis**						
1	Preparation of standard thin section of rock	Per Sample	4.3.1	500.00	0	-	
2	Complete Petrographic Studies (alongwith 05 nos. of digital photo micrographs)	Per Sample	4.3.4	2,800.00	0	-	
3	Preparation of polished thin section of rock/ wafer	Per Sample	4.3.2	800.00	5	4,000.00	
4	Complete petrographic and Mineragraphic Studies (alongwith 05 nos. of digital photo micrographs)	Per Sample	4.3.4	2,800.00	5	14,000.00	
iii	**Analysis of rock sample for quantitative analysis of REE + 9 trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)**	Per Sample	4.1.15	7,400.00	5	37,000.00	
					Sub - Total - 2B	**286,000.00**	
1C					**PHASE - I TOTAL (1A+1B+1C)**	**2,132,618.47**	
PHASE - 2 EXPLORATION							
2A	**Drilling Work (Out Sourced)**						

28.04.26

28/04/2026

1	Drilling - Hard rock (HQ Size)	Per m	2.2.1.1d	10,000.00	800	8,000,000.00	1 Stratigraphic BH and 9 planned BH. BH plan to be reviewed after 1st stage of work
2	Construction of concrete Pillar (12"×12"×30")	per borehole	2.2.7	2,000.00	10	20,000.00	
3	Borehole plugging by cement	per borehole	2.2.8	10,000.00	10	100,000.00	
4	Drill core preservation	Per m	5.3	1,590.00	400	636,000.00	
					Sub - Total - 2A	**8,756,000.00**	
2B	**Geological Mapping and other Geological Work**						
1	Charges for one Geologist per day at Field	Per day	1.2.1a	14,500.00	40	580,000.00	For core logging
2	Charges for one Geologist per day at HQ	Per day	1.2.1a	10,500.00	20	210,000.00	
3	Labour (2 Nos.) per party	Per day	5.8	556.00	80	44,480.00	
4	Charges for one Surveyor per day (Topography Survey)	Per day	1.3.1	10,500.00	0	-	
5	Labour (4 Nos.) per party	Per day	5.8	556.00	0	-	
6	Charges for One Sampler per day	Per day	1.2.1b	7,850.00	77	604,450.00	
7	Labour (4 Nos.)	Per day	5.8	556.00	308	171,248.00	
8	Demarcation of lease boundary, Fixation of Borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	Per point of observation	1.3.2	24,000.00	10	240,000.00	20 Boreholes

28.04.26

28/04/2026

					Sub - Total - 2B	**1,850,178.00**	
2C	**Laboratory Studies**						
i	**Chemical Analysis**						
	Primary Samples(Core Samples + Check Samples)						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per Sample	4.1.17a	4,200.00	550	2,310,000.00	
2	Major oxides (WD XRF)- (oxides+ traces -24 elements) 10% Check Samples	Per Sample	4.1.17a	4,200.00	55	231,000.00	10% Check Samples
	Composite samples						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements) 10% Check Samples	Per Sample	4.1.17a	4,200.00	0	-	
ii	**Physical Analysis**						
1	Preparation of standard thin section of rock	Per Sample	4.3.1	500.00	0	-	
2	Complete Petrographic Studies (alongwith 05 nos. of digital photo micrographs)	Per Sample	4.3.4	2,800.00	0	-	
3	Preparation of polished thin section of rock/ wafer	Per Sample	4.3.2	800.00	5	4,000.00	
4	Complete Petrographic/Mineragraphic Studies (alongwith 05 nos. of digital photo micrographs)	Per Sample	4.3.4	2,800.00	5	14,000.00	
iii	**XRD analysis**	Per Sample	4.5.2	4,000.00	5	20,000.00	
v	**Analysis of rock sample for quantitative analysis of REE + 9 trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)**	Per Sample	4.1.15	7,400.00	10	74,000.00	

28.04.26

28/04/2026

vi	**Bulk Density**	Per Sample	4.8.3	2,500.00	10	25,000.00	
					Sub - Total - 2C	**2,678,000.00**	
2D					**PHASE - II TOTAL (2A+2B+2C)**	**13,284,178.00**	
	Total Outsourced Components					**8,000,000.00**	
	Tendering Process Cost	One time in case of outsourced component(s) of project work	5.9	2% of the approved project cost or 5 Lakh whichever is lower will be paid one time		**160,000.00**	
	Technical Supervision Fee		6	In case of total outsourcing of work. The technical supervision cost shall be 10% of the sum of all the outsourced work component with maximum ceiling of 20 lakh.		**800,000.00**	
	Total Cost					**16,376,796.47**	
3	Preparation of Exploration Proposal		5.1	2% of approved project cost or ₹5 lakh whichever is lower.		500,000.00	
4	Geological Report Preparation	Cost per 5 Hard copies	5.2	Total cost of project exceeding 150 lakh.		750,000.00	

28.04.26

28/04/2026

		of report along with soft copy					
7	Peer Review		As per EC decision			30,000.00	
8	Total Estimated cost without GST (18%) (1D+2D+3+4+5+6+7)					17,656,796.47	
9	GST (18%)					3,178,223.36	
10	**Grand Total (8+9)**					**20,835,019.83**	***208.35 Lakhs***
11	**Rs. In Lacs**					**208.35**	
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 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.**						

28.04.26

28/04/2026

Time Schedule for Preliminary Exploration (G-3 stage) for Iron & Manganese Ore in Kenamenta Block, Sundargarh District, Odisha																		ANNEXURE 16B
Sl. No.	Activities	Unit	Months															
			1	2	3		4	5	6		7	8	9		10	11	12	
			Phase - 1				Phase - 2											
1	Geological Mapping (Scale-1:2000)	Sq. Km				REVIEW				REVIEW				REVIEW				
2	Surface / Quarry / Pit Sampling	Nos.																
3	Chemical Analysis of BRS and Quarry / Pit Samples	Nos.																
4	Physical Analysis and REE Studies	Nos.																
5	Core Drilling	m																
6	Borehole and Topographic Survey	Nos. / Sq. Km																
7	Core Sampling and Chemical Analysis	Nos.																
8	Laboratory Studies	Nos.																
9	Geological Report Writing and Peer Review	Months																

28.04.26

28/04/2026

Agenda 94.2: Project Evaluation for In–Principle Approval

Agenda 94.2.1. Preliminary Exploration (G3) for Tin, Tungsten, Copper & associated minerals at Kirawar Block, Bhiwani District, Haryana

[Implementing Agency: MAPL]

a. The proposed block falls within Survey of India Toposheet No. 44 P/13, and the entire block area is covered by approximately 200–250 m of Quaternary alluvium and aeolian sediments, concealing the Proterozoic Tosham granitoids and rhyolitic intrusives that host Sn–W–Cu mineralisation.

b. Geological Survey of India carried out a Reconnaissance Survey (G4 stage) for tin, tungsten, copper and associated mineralisation in the Tosham–Khanak–Jamalpur–Dulhera–Ratera areas, Bhiwani district, Haryana, during FS 2023–24.

c. The survey included integrated magnetic, IP and SP surveys (10 line km each), and a pronounced NE–SW trending magnetic high (H1) was delineated, with the causative source interpreted at approximately 250 m depth and extending up to 460 m. Analytical modelling (RAPS, Euler 3D and SPI) indicates a narrow, steeply dipping magnetic body suggestive of magnetite- or sulphide-bearing granite.

d. Groundwater geochemical data collected from 50 shallow wells (9–36 m) recorded Sn values of 0.15–5.3 ppb, W values of 0.25–6.26 ppb and Cu values of 0.5–16.9 ppb, with comparatively higher values concentrated in the northern sector near the anomaly. Although these shallow samples indicate only indirect enrichment, owing to absence of rock–water interaction through the ~200 m overburden, the combined geophysical and geochemical signatures strongly suggest a concealed extension of the Tosham polymetallic system beneath Kirawar.

e. In view of the above, the agency presented the proposed block for G3 stage exploration to evaluate the mineral potential of tin, tungsten, copper and associated minerals. The proposed work components include detailed geological mapping on 1:2000 scale and exploratory deep drilling to assess the concealed mineral resources under the UNFC G3 category.

f. The Committee reviewed the G3 stage exploration proposal for Kirawar block and observed that the agency had not carried out overlay studies using baseline geoscientific datasets such as NGCM and NGPM. Moreover, the proposed area is covered by thick soil overburden of approximately 200 m.

g. The Committee decided that, in the absence of surficial dispersal values and considering the substantial soil cover, the proposal is not feasible to be taken up at the G3 stage.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block overlaps with "Reconnaissance Survey (G4-stage) for Tin, tungsten, copper and associated mineralization in Tosham–Khanak Jamalpur–Dulhera-Ratera areas, Bhiwani district, Haryana during Field Season: 2023-24". Presently, no G3/ G4 program is underway in the proposed area by GSI.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.

28.04.26

28/04/2026

3	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block. However, G4 and G3 stages of exploration for uranium have been carried out in Tosham area, ~6 km south of the proposed block in different phases. Samples assayed up to 0.067% U3O8 from the area. In view of known potentiality of uranium in the contiguous area, analyses of uranium may be included in the analyses list.
4	State DMG/DGM/CGM	NA
5	NMEDT	No ongoing or completed NMEDT funded project in the area.

Recommendations of TCC-1:

The Committee did not recommend the proposals, as no surficial dispersal values are available and the proposed areas are covered by thick soil overburden. Hence, the proposals are not feasible to be taken up at the G3 stage with the existing database.

Agenda 94.2.2. Preliminary Exploration (G3) for Tin, Tungsten, Copper & associated minerals at Paposa Block, Bhiwani District, Haryana

[Implementing Agency: MAPL]

a. The proposed block falls within Survey of India Toposheet No. 44 P/13, and the entire block area is covered by approximately 200–250 m of Quaternary alluvium and aeolian sediments, concealing the Proterozoic Tosham granitoids and rhyolitic intrusives that host Sn–W–Cu mineralisation.
b. Geological Survey of India carried out a Reconnaissance Survey (G4 stage) for tin, tungsten, copper and associated mineralisation in the Tosham–Khanak–Jamalpur–Dulhera–Ratera areas, Bhiwani district, Haryana, during FS 2023–24.
c. The survey included integrated magnetic, IP and SP surveys (10line km each), and a pronounced NE–SW trending magnetic high (H1) was delineated, with the causative source interpreted at approximately 250 m depth and extending up to 460 m. Analytical modelling (RAPS, Euler 3D and SPI) indicates a narrow, steeply dipping magnetic body suggestive of magnetite- or sulphide-bearing granite.
d. Groundwater geochemical data collected from 50 shallow wells (9–36 m) recorded Sn values of 0.15–5.3 ppb, W values of 0.25–6.26 ppb and Cu values of 0.5–16.9 ppb, with comparatively higher values concentrated in the northern sector near the anomaly. Although these shallow samples indicate only indirect enrichment, owing to absence of rock–water interaction through the ~200 m overburden, the combined geophysical and geochemical signatures strongly suggest a concealed extension of the Tosham polymetallic system beneath Kirawar.
e. In view of the above, the agency presented the proposed block for G3 stage exploration to evaluate the mineral potential of tin, tungsten, copper and associated minerals. The proposed work components include detailed geological mapping on 1:2000 scale and exploratory deep drilling to assess the concealed mineral resources under the UNFC G3 category.

28.04.26

28/04/2026

f. The Committee reviewed the G3 stage exploration proposal for Paposa block and observed that the agency had not carried out overlay studies using baseline geoscientific datasets such as NGCM and NGPM. Moreover, the proposed area is covered by thick soil overburden of approximately 200 m.
g. The Committee decided that, in the absence of surficial dispersal values and considering the substantial soil cover, the proposal is not feasible to be taken up at the G3 stage.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block overlaps with "Reconnaissance Survey (G4-stage) for Tin, tungsten, copper and associated mineralization in Tosham–Khanak Jamalpur–Dulhera-Ratera areas, Bhiwani district, Haryana during Field Season: 2023-24". Presently, no G3/ G4 program is underway in the proposed area by GSI.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block. However, G4 and G3 stages of exploration for uranium have been carried out in Tosham area, ~6km south of the proposed block in different phases. Samples assayed up to 0.067% eU3O8 from the area. In view of known potentiality of uranium in the contiguous area, analyses of uranium may be included in the analyses list.
4	State DMG/DGM/CGM	NA
5	NMEDT	No ongoing or completed NMEDT funded project in the area.

Recommendations of TCC-1:

The Committee did not recommend the proposals, as no surficial dispersal values are available and the proposed areas are covered by thick soil overburden. Hence, the proposals are not feasible to be taken up at the G3 stage with the existing database.

Agenda 94.2.3. Preliminary Exploration (G3) for Gold-Copper and Associated Mineralisation in Bharkundi Area, Dungarpur District, Rajasthan (Proposal ID: ME/IN/G3/RJ/P/25-26/013)
[Implementing Agency: Vardan Environet LLP]

a. The proposed block falls within Survey of India Toposheet No. 46 I/05 and exposes quartz-chlorite muscovite schist, coarse-grained marble, banded dolomite marble and dolomite marble belonging to the Debari Group of the Aravalli Supergroup.
b. The Debari Group rocks have been described in various sectors, namely Ghatol, Jaisamand and Debari sectors by Gupta et al. (1997). The rocks exposed in the

28.04.26 28/04/2026

Bharkundi and adjoining areas fall within the Ghatol Sector and are grouped under the Debari Group of the Aravalli Supergroup.

c. Grover and Verma (1993) carried out Second Generation Geological Mapping on 1:25,000 scale in the Ganora–Ghatol–Narwali area, Banswara district, for base metal evaluation and included the rocks of the area under Pre-Aravallis. They were also the first to report gold mineralisation from Bhukia–Jagpura and adjoining areas.
d. Surface evidences of mineralisation occur in the form of old workings, gossanised/ferruginised zones, limonitic cappings, alteration zones, ore grinding implements, frequent malachite stains and silicification.
e. Reconnaissance survey on 1:10,000 scale for gold mineralisation was carried out in the Hinglaz Mata area during FS 1994–95, wherein anomalous gold values of up to 490 ppb were reported from groove samples collected from old workings and gossans in the Bharkundi area.
f. A G4 stage exploration was carried out in the Bharkundi area for gold and associated base metal mineralisation during FS 2008–09, including detailed geological mapping (1:2000 scale) and channel sampling from gossan/ferruginous zones. A mineralised zone measuring 500 m strike length × 10–20 m width within dolomite marble was delineated. Assay values ranged from <0.05 to 1.06 ppm Au and 17 ppm to 9,000 ppm Cu (0.9%).
g. Preliminary exploration for gold and copper mineralisation was carried out by Geological Survey of India during FS 2012–13, during which two boreholes were drilled. Sulphide mineralisation intersected in boreholes comprised pyrite, pyrrhotite, chalcopyrite and arsenopyrite in decreasing order of abundance.
h. In borehole BKD-3, a gold zone of 5.65 m thickness with an average gold value of 1.005 ppm at 0.5 ppm cut-off and 2.0 m stoping width was intersected. In borehole BKD-2, the gold zones did not qualify the assumed cut-off and lode parameters; however, individual samples of 0.30 m to 0.40 m length yielded gold values ranging from 0.13 ppm to 0.78 ppm, indicating the presence of gold mineralisation.
i. The Committee reviewed the proposal and observed that the proposed area falls within the Aravalli region.

Sl. No.	Agency	Brief Comments
1	GSI	Overlap with one G2 & multiple GSI G3 and G4 Exploration blocks for Gold, Basemetals & Associated minerals. Based on previous exploration carried out by GSI, the block may be prospective for Gold Copper and associated minerals.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	No exploration work has been undertaken by DMGR and there is no on-going mineral exploration in the proposed area. No mineral concession and litigation fall in this proposal area, but this proposal area is falling in FSI Aravali Polygon. As per aforesaid information,

28.04.26

28/04/2026

		consent for exploration for this proposal cannot be given.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

Recommendations of TCC-1:

The Committee did not recommend the proposals, as the proposed area falls within the FSI Aravali zone, which is presently sub judice before the Hon'ble Supreme Court.

Agenda 94.2.4. Preliminary Exploration (G3) of Graphite & Manganese in Balamaska Block, District Raygada, Odisha
[Implementing Agency: Eartnenviro Lab Pvt. Ltd.]

a. The proposed block falls in Survey of India Toposheet Nos. 65M/03 & 65M/04 and comprises graphite-bearing rocks of the Khondalite Suite along with granite gneiss and leptynite of the Eastern Ghat Super Group.
b. Geological Survey of India carried out reconnaissance and detailed investigations during FS 1979–82, delineating graphite-bearing zones at Nishikhal, Kinchikhal and Lakhajorna, besides smaller occurrences at Liligumma, Toldoshi and Bhitardulki.
c. Graphite occurs as disseminations, pockets, lenses and veins within schists, gneisses, quartzites and migmatites, arranged in en-echelon pattern along foliation and fold axial planes over an approximate 9 km strike length.
d. In the Nishikhal mineralised zone (350 m × 150 m), two out of seven graphite bodies were found promising, while in the Kinchikhal zone, four out of eight occurrences appear economically significant; graphite is flaky to amorphous with 10–13% Fixed Carbon.
e. Based on the above, the block has been proposed for G3 stage exploration through 1:2000 scale mapping and exploratory drilling under the UNFC G3 category for graphite and associated manganese resources.
f. The Committee reviewed the proposal and observed that the area is partly covered by Geological Survey of India under G3 stage during FS 2024–25, and also overlaps with mining lease areas and Cluster-61. As a major part of the area is already covered and overlaps with mining leases, the proposal was not considered.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block is partly overlapping with a mining leasehold area. The proposed block is also overlapping with cluster 61. Moreover, no document/map has been provided in the proposal. There is a marginal mismatch in the co-ordinates given in the proposal and the kml file. Considering the overlapping with the above mentioned areas, the proposed block is not recommended for further consideration.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA

28.04.26

28/04/2026

4	State DMG/DGM/CGM	The proposed block overlaps with area explored by GSI u/r-67_F.S 2024-25 & Cluster_61_Allotted to GSI
5	NMEDT	Proposed block is overlapping with the ongoing project of GSI 2024-25 “Preliminary Exploration for Manganese ore in Leliguma Inchikhal Block, in the central sector of Eastern Ghats Granulite Belt, Rayagada district, Odisha (G3)”. Proposed block is not overlapping with any NMEDT funded projects as per NGDR Portal information.

Recommendations of TCC-1:

The Committee did not recommend the proposals, as the proposed area is partly under exploration by Geological Survey of India under G3 stage, while the remaining area overlaps with mining lease areas and Cluster-61 allotted to GSI.

Agenda 94.2.5. Reconnaissance Survey (G4) for REE, Graphite in Chalki area, Balangir District, Odisha

[Implementing Agency: Eartnenviro Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 64P/3 and comprises graphite-bearing rocks of the Khondalite Suite along with granite gneiss and leptynite of the Eastern Ghat Super Group.
b. Geological Survey of India carried out G4 stage reconnaissance survey on 1:10,000 scale during FS 1988–89 over 60 sq. km in the Muribahal–Malisira area, wherein several sporadic graphite occurrences and self-potential anomaly zones were identified near Chusaramunda, Malisira and Tentelakhunti.
c. Graphite occurs as disseminations, pockets, lenses and veins within schists, gneisses, quartzites and migmatites, arranged in en-echelon pattern along foliation and fold axial planes over about 9 km strike length.
d. Surface indications revealed three possible linear graphite mineralised zones, including a 5 m wide × 300 m long zone south of Barabandh, another 100 m strike length zone inside Tikhari Reserved Forest, and additional occurrences near Malisira with old pits, suspended mines and graphite clots associated with laterite.
e. Directorate of Geology and Mining Odisha investigations during 1991–93 examined 88 working/non-working mines and estimated graphite reserves of 0.64 million tonnes (Bolangir), 0.66 million tonnes (Kalahandi) and 8,620 tonnes (Nuapada). Based on the above, the block has been proposed for G4 stage exploration through 1:12500 scale mapping, surface sampling and exploratory drilling under the UNFC G4 category for graphite and associated manganese resources.
f. The Committee reviewed the proposal and observed that a major part of the area has already been covered by Geological Survey of India under G4 stage exploration.
g. The Committee advised the agency to examine all available datasets and identify a potential area that may be taken up under G3 stage exploration. It was further suggested to undertake a field visit, study the pegmatite veins, collect samples, and submit a DPR with adequate database support and justification.

28.04.26

28/04/2026

Sl. No.	Agency	Brief Comments
1	GSI	In view of the spatial overlap with the previously explored G4 graphite block and the absence of geologically conducive host rocks for REE mineralization, the proposed block is not considered suitable and is therefore not recommended for further consideration.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	Preliminary Exploration of Graphite & Manganese in the Balamaska Block was examined over the Group Plan and the block is explored by GSI at G3 level in 2024-25. Further, although a very small overlapping is noticed a ML area of M/s OMC but the entire area is covered by GSI. Hardly any area is left & the area is notified in favor of GSI for 2 years for G3 level exploration. Hence the proposal may be rejected.
5	NMEDT	Proposed block is not overlapping with any NMEDT funded projects as per NGDR Portal information.

Recommendations of TCC-1:

The Committee did not recommend the proposal for G4 stage exploration, as a major part of the area has already been covered by Geological Survey of India under G4 stage. However, the Committee advised the agency to examine all available datasets, undertake fieldwork, and identify a potential area for G3 stage exploration, and to submit a DPR if adequate supporting database is generated.

Agenda 94.2.6. Reconnaissance Survey (G4) for REE and associated Minerals in and around Baunsiapada village, Nayagarh District, Odisha (Proposal ID: ME/IN/G4/OD/P/25-26/051)

[Implementing Agency: Eartnenviro Lab Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet Nos. 73H/4 & 73H/8 and exposes khondalite, leptynite and charnockite of the EGMB, intruded by syenite and pyroxenite, which are known hosts of REE mineralisation.
b. Geological Survey of India studies indicate strong LREE-enriched REE mineralisation within apatite-bearing zones/veins, with ΣREE values up to 52,744 ppm in bedrock and analytical ranges of 902–52,743 ppm (BRS), 102–18,415 ppm (regolith) and 93–5,448 ppm (stream sediment), suggesting primary magmatic origin.
c. Reconnaissance G4 stage exploration during FS 2022–23 in the Notara–Baulasahi area identified three prospective zones: Baulasahi (max ΣREE ~52,744 ppm), Notara (moderate but consistent anomalies), and Nacchipur–Ikiri (high anomalies up to ~33,924 ppm), supported by Th–Nb–Y–Zr association.
d. Preliminary G3 stage exploration during FS 2023–24 in the Khuntapada–Arakhapal block delineated REE-bearing syenite–pyroxenite intrusions (~220 m strike, ~40 m width) with ΣREE up to 67,073 ppm. Seven boreholes (644.95 m) intersected REE lodes of 19 m and 9 m width, and estimated 0.39 million tonnes @ 0.55% TREO (0.2% cut-off) under UNFC 333.
e. In view of the above, the agency presented the proposed block for G4 stage exploration through 1:12500 scale geological mapping, surface sampling and

28.04.26 28/04/2026

exploratory drilling under the UNFC G4 category to assess REE and associated rare metal mineral resources.

f. The Committee reviewed the proposal and observed that a major part of the area has already been covered by Geological Survey of India under G4 stage exploration, except for a small area in the north-western part. Hence, the Committee did not recommend the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	1. The proposed block is overlapping with two G4 blocks of GSI. GSI has conducted one G4-level exploration targeting REE occurences during FS 2021-22 in Khuntapada-Purusottampura area and another G4-level exploration has been approved and which will be initiated shortly as a part of the current FSP i.e. FS 2026-27 (FSP Id.- M2ASMIF-MEP/NC/ER/SUODS/2026/201257). In the surrounding areas GSI is carrying out G4-level and G3-level REE explorations . 2. No Composite License or Mining Lease, either for major or minor minerals, exists within the proposed block. In view of the observation no. 1, as maximum part of the proposed block is overlapping with REE exploration blocks of GSI, hence further G4 level exploration for REE will be a repetition of the work. The block is not recommended for further G-4 level REE exploration.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The proposed area overlaps with NMEDT funded project sanctioned to M/s Karthikay Exploration & Mining Services, hence it is advised to revise the proposed area by excluding the area allocated to M/s Kartikay Exploration & Mining Services.
5	NMEDT	The proposed block is overlapping with the ongoing project with the GSI Mission - 2, of 2022-23 (Reconnaissance Survey for REE & RM) & 2024-25 (Preliminary Survey for REE & RM). Proposed block is not overlapping with any NMEDT funded projects as per NGDR Portal information.

Recommendations of TCC-1:

The Committee did not recommend the proposals, as a major part of the area has already been covered by Geological Survey of India under G4 stage exploration.

Agenda 94.2.7. Reconnaissance Survey (G4) for REE and RM mineralization in Paladugu Block (100 Sq. Km), Khammam District, Telangana [Implementing Agency: GMMCO Technology Services Ltd.]

28.04.26

28/04/2026

a. The proposed block falls within Survey of India Toposheet No. 65C/08 and comprises granitoids and gneissic rocks of the Peninsular Gneissic Complex (PGC-II), including TTG gneisses, granitic gneisses and migmatites.
b. It was noted that younger granites intrude the PGC-II as stocks, lenses and plutons, associated with shear zones and traversed by pegmatite and quartz veins. Pegmatites occur as tabular to lenticular bodies containing quartz, feldspar and mica, with accessory allanite, monazite and zircon, indicating REE enrichment.
c. The pegmatites are structurally controlled, trending NE–SW, with variable thickness. Previous studies reported TREE values of 602.68–2644.46 ppm (avg. ~1531.70 ppm), while geochemical mapping also indicated elevated TREE values confirming REE potential.
d. It was further noted that the proposal had earlier been presented in the 91st TCC-1 meeting, where the Committee advised incorporation of legacy data, field visits and collection of bedrock samples. The agency informed that preliminary field visits have since been carried out and samples from potassic granite and allanite-bearing pegmatites yielded TREE values of 2128–4082 ppm (n=4).
e. In view of the above, the agency has proposed G4 stage exploration involving 1:12500 scale mapping, pitting/trenching, scout drilling (4–5 boreholes) and mineral potential assessment.
f. The committee reviewed the proposal and accorded in-princple approval for the project. The committee advised the agency to bring DPR.

Sl. No.	Agency	Brief Comments
1	GSI	The area proposed by M/s. GMMCO TECHNOLOGY SERVICES LTD (GTS) is overlapping with the ongoing RMT project of SU: Telangana. The RMT project is nearing completion and based on the encouraging values for REE, base metal and associated mineralization, few areas will be carved out for G4/ G3 stage exploration and will be taken up by GSI, SU: Telangana in the ensuing field seasons.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Not received. No representative present in meeting.
5	NMEDT	There is no NMET-funded project or auctionable G3/G2/G4/GM mineral exploration area has been identified within the proposed block there is no other block overlapped with the proposed block.

Recommendations of TCC-1:

The proposal is approved in principle and the agency is suggested to bring DPR within 3 months.

Agenda 94.2.8. Reconnaissance Survey (G4) for REE & RM mineralization in Seetharampuram Block (84 Sq. km), Bhadradri Kothagudem District, Telangana

[Implementing Agency: GMMCO Technology Services Ltd.]

28.04.26

28/04/2026

a. The proposed block falls within Survey of India Toposheet No. 65C/13 and comprises Neoarchaean–Palaeoproterozoic rocks of the Peninsular Gneissic Complex-II (PGC-II) and Palaeoproterozoic rocks of the Bastar Craton.
b. The area occupies a strategic position along the tectonic contact between the Bastar Craton and the Archaean Peninsular Gneissic Complex of the Eastern Dharwar Craton, marked by a prominent NE–SW trending regional shear zone, favourable for emplacement of younger granites and pegmatites and localisation of REE/RM mineralisation.
c. Geological Survey of India carried out Specialized Thematic Mapping (1:25,000 scale) over 350 sq. km, which reported significant TREE enrichment in feldspathic and younger granites with values of 3452 ppm and 3387 ppm, respectively, and recommended detailed exploration.
d. Earlier G4 stage investigations for iron ore, copper and gold in adjoining blocks recorded encouraging values, including Cu up to 10.10%, Zn up to 0.10% / 800 ppm, and Au values of 1.8 ppm and 1.3 ppm from quartz veins. The proposal was also discussed in the 91st TCC-1 meeting, where revision with legacy data and fresh field verification was advised.
e. The agency informed that field visits were subsequently carried out in Reguballi, Narsapuram and Seethrampuram areas, where samples from porphyritic granite, calcsilicate rocks and allanite-bearing pegmatites yielded TREE values of 241 to 4081.8 ppm (n=4). Based on the above, the agency has proposed G4 stage exploration involving 1:12500 scale mapping, geochemical sampling, pitting/trenching, scout drilling (4–5 boreholes) and mineral potential assessment under UNFC G4 category.
f. The Committee reviewed the proposal and accorded in-principle approval for the project. The Committee advised the agency to submit a DPR. It was further advised to exclude the small part of the area overlapping with the G4 work already carried out by Geological Survey of India and to scan the area with a UV lamp for scheelite mineralisation in the calc-silicate rocks.

Sl. No.	Agency	Brief Comments
1	GSI	The area proposed by M/s. GMMCO TECHNOLOGY SERVICES LTD (GTS) is overlapping with the ongoing RMT project of SU: Telangana. The RMT project is nearing completion and based on the encouraging values for REE, base metal and associated mineralization, few areas will be carved out for G4/ G3 stage exploration and will be taken up by GSI, SU: Telangana in the ensuing field seasons.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Not received. No representative present in meeting.
5	NMEDT	No auctionable (G3/G2) blocks, (G4/GM) blocks and no NMEDT funded projects overlap with the proposed block as per NGDR portal information.

28.04.26

28/04/2026

Recommendations of TCC-1:

The proposal is approved in principle and the agency is suggested to bring DPR within 3 months.

Agenda 94.2.9. Reconnaissance survey (G4) for Aluminium Laterites and Associated Minerals in Adavali area, Sindhudurg District, Maharashtra

[Implementing Agency: Kartikay Exploration and Mining Services Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 47H/12 and comprises TTG gneiss of the Dharwar Supergroup and quartzite/shale of the Kaladgi Supergroup, with laterite capping developed mainly over the Kaladgi sediments.
b. Earlier investigations by Directorate of Geology and Mining Maharashtra during FS 1980–81 reported foundry-grade beach sand along the Vayari–Kalethar coast with estimated reserves of 0.90 million tonnes, while ilmenite-magnetite sand at Talasil was considered uneconomic due to poor recovery and limited extent.
c. Geological Survey of India carried out regional assessment of lateritic profiles during FS 2022–24 over 2,400 sq. km, including 321.15 m drilling in 14 boreholes, 93 lateritic profiles and 7 regolith sections, and identified prolific enrichment zones of Ga, V, Cr and Co, leading to delineation of 16 blocks in Ratnagiri and Sindhudurg districts.
d. Reconnaissance survey for bauxite and aluminous laterite in the Achra area was also carried out during FS 2023–24. Three bedrock samples within the proposed block recorded Fe_2O_3: 13.79–42.95%, Al_2O_3: 25.42–30.3%, Ga: 36–64 ppm, and V: 111–996 ppm. Field samples from laterite further yielded Al_2O_3: 23–34%, TiO_2: 1.6–3.7%, and V_2O_5: 0.08–0.2%.
e. In view of the above, the agency has proposed G4 stage exploration involving 1:12500 scale mapping, geochemical sampling, pitting/trenching, scout drilling (4–5 boreholes) and mineral potential assessment under the UNFC G4 category.
f. The Committee reviewed the proposal and accorded in-principle approval for the project. The Committee advised the agency to submit a DPR after removing the overlapping area of Geological Survey of India work and the G3 stage auctionable block.

Sl. No.	Agency	Brief Comments
1	GSI	GSI has carried out one mineral exploration programme (RP- 1. Regional assessment of lateritic profiles developed over the western Dharwar sequences and Deccan Traps in parts of Sindhudurg, Ratnagiri and Kolhapur distrcits, Maharashtra) and one G4 item (partial overlap-2. Reconnaissance survey for bauxite and aluminous laterite in Achra area, Sindhudurg District, Maharashtra) encompassing the proposed block.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	DGM MH has carried out General Survey for Locating Economic Minerals in Sindhudurg District. Toposheet No. 47 H/8 and Part of 47 H/12. in F.S. 1980-81 during which an area of 400.00 Sq km

28.04.26

28/04/2026

		covered under recconaitory mapping on 1:63360 scale in No. 47 H/8 and Part Of 47H/12
5	NMEDT	Proposed Block overlaps with GSI 2023-24 NGPM and Reconnaissance Survey for Bauxite & Aluminous Laterite mineralization project. There is no overlapping with NMEDT funded block in the proposed area.

Recommendations of TCC-1:

The proposal was approved in principle, and the agency was advised to submit the DPR within 3 months. The agency was further advised to remove the overlapping G4 area of Geological Survey of India and the G3 stage auctionable block while submitting the DPR.

Agenda 94.2.10. Preliminary exploration for REE and associated mineralization in Chalivendra-Motupale block, District Prakasam, Andhra Pradesh

[Implementing Agency: Kartikay Exploration and Mining Services Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 57M/09 and comprises metavolcanics, metasediments and basement rocks of the Peninsular Gneissic Complex-II (PGC-II), intruded by younger felsic to alkaline-mafic bodies of the Prakasam Alkaline Province.
b. Geological Survey of India carried out G4 stage reconnaissance survey during FS 2023–24 for REE-RM mineralisation in the Chalivendra–Marlapalem area, wherein encouraging TREE and Nb+Ta values were recorded in hornblende-biotite granite, biotite granite and soil samples.
c. Four potential zones were delineated: Zone-I (13.5 sq. km) recorded TREE up to 3362 ppm and Nb+Ta up to 964 ppm**;** Zone-II (2.55 sq. km) recorded TREE up to 2341 ppm in soils; Zone-III (12 sq. km) recorded TREE up to 4976 ppm in regolith; and Zone-IV (2 sq. km) recorded TREE up to 2969 ppm with all samples showing Nb+Ta >100 ppm**.**
d. Based on the above, the agency proposed G4 stage exploration involving 1:12500 scale mapping, geochemical sampling, pitting/trenching, scout drilling (4–5 boreholes) and mineral potential assessment under the UNFC G4 category.
e. The Committee reviewed the proposal and observed that the entire area overlaps with ongoing G3 stage exploration works of Geological Survey of India and Atomic Minerals Directorate for Exploration and Research presently under execution.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed NPEA block overlaps with the already approved RMT and G3 project of FS 2026-27. One G4 project for REE covering 100 sq km area was already carried out by GSI during FS 2023-24. Therefore, it is not feasible to take up exploration for REE and associated minerals in the area to avoid duplication of work.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	AMD has established potentiality of mineralization in the area for REE & Nb through G4 stages for exploration & propose to carry follow out systematic

28.04.26 28/04/2026

		Preliminary Exploration (G3) in coming Annual Programmes. In view of the above, the proposed block is not recommended in the intrest of the following exploration by AMD.
4	State DMG/DGM/CGM	Not received. No representative present in meeting.
5	NMEDT	One G4 Exploration Blocks for REE-RM mineralization overlaps with the proposed block. There is no overlapping with NMEDT funded block in the proposed area.

Recommendations of TCC-1:

The Committee did not recommend the proposals, as the entire area overlaps with the ongoing G3 stage exploration works of Geological Survey of India and Atomic Minerals Directorate for Exploration and Research currently under execution.

Agenda 94.2.11. Preliminary Exploration (G3) for Graphite and associated minerals in Barwaiya-Irgu Block, Palamu & Latehar Districts, Jharkhand

[Implementing Agency: APC Drilling & Construction Pvt. Ltd.]

a. The proposed block falls in Survey of India Toposheet No. 73A/05 and comprises high-grade metamorphic schists and gneisses of the Chhotanagpur Gneissic Complex, intruded by granitic and basic bodies, with local cover of Lower Gondwana Talchir sediments.
b. Early investigations by Geological Survey of India during FS 1945–53 identified graphite-bearing schist lenses and E–W trending graphite bands associated with quartz-sillimanite schist and calc-granulite, along with old workings in the Ledwakhar–Rabda and Sohri–Ekta sectors.
c. Subsequent prospecting by B.N. Jha (1965–66) confirmed workable graphite lenses with 10–25% Fixed Carbon in Sokra, while later appraisal during 1968–69 delineated 15 graphite occurrences forming the Bohita–Ghutuwa–Siuri–Ekta graphite belt.
d. Recent G4 investigations during FS 2019–20 and FS 2022–23 delineated multiple graphite schist bands and six potential blocks in Parsahi–Satbarwa–Ranki Kalan and Chama–Barwaiya areas, with lenses extending up to 400 m strike length and 10–30 m width. Analytical values ranged from 7.66–37.06% FC in BRS, <1–37.28% FC in trench samples, and 0.58–34.78% FC in pit/trench and bedrock samples, with nearly 70% samples >10% FC.
e. In view of the above, the agency presented the block for G3 stage exploration for graphite and associated vanadium mineralisation through 1:2000 scale mapping, geophysical surveys, pitting/trenching and systematic drilling for resource assessment.
f. The proposal was earlier discussed during the 91st TCC-1 meeting, wherein the Committee observed that the area was large (6.35 sq. km) and included substantial non-graphite-bearing ground. The Committee advised restricting the block to graphite-bearing host rocks, excluding mining lease areas, maintaining a 500 m buffer from mining leases, and noted that comments from Directorate of Geology and Mining Jharkhand were awaited at that time.
g. Directorate of Geology and Mining Jharkhand has furnished its comments; however, the agency has not incorporated the modifications suggested by the Committee, namely removal of non-graphite-bearing areas and maintaining a 500 m buffer from

28.04.26 28/04/2026

mining leases. The analytical results of samples collected by the agency are also awaited.

h. The Committee reviewed the proposal and advised the agency to modify the area as suggested earlier by the Committee, demarcate a potential graphite-bearing area, and submit a DPR along with all supporting data.

Sl. No.	Agency	Brief Comments
1	GSI	100% overlapping found in the proposed Block with GSI previous work namely "Investigation of Bauxite around Jamirapath, Surguja District, Madhya Pradesh".
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	Earlier no Reconnaissance/ Exploration work has been carried out by the DMG, Jharkhand. At present DMG, Jharkhand is not conducting any exploration reconnaissance projects related to Graphite and Associated Minerals and any others minerals/ commodity in the proposed area. "One block of minor minerals is partially overlapping. (Mouza Irgu, Thana – Panki, Khata No. – 08, 09, 10, 25, 05, 06 and 39, Plot No. – 494, 495, 517 (part), 522 (part), 521, 516 (part), 515 (part), Area – 3.70 acres, Stone)"
5	NMEDT	One existing ML for Bauxite overlaps with the proposed block. No NMEDT funded ongoing and completed projects overlap with the proposed block. The proposed block falls under the ongoing GSI MISSION I of the year 2025-26 & Mission II of 2022-23.

Recommendations of TCC-1:

The committee approved the proposal in-principle and advised the agency to modify the area as suggested earlier by the Committee, demarcate a potential graphite-bearing area, and submit a DPR along with all supporting data. the agency was advised to submit the DPR within 3 months.

Agenda 94.2.12. Reconnaissance survey (G4) for Vanadium, Gallium and REE mineralization within the rock units of Proterozoic granite gneissic rock of Chhotanagpur Granite Gneissic formation and Cenozoic Lateritic soil of Cenozoic formation in and around Karamdih, Jariyo, Dumarkholi, Charahat Kalan, Kutkoo, Rajendarprn Taraf and Manjali areas of Balarampur district of Chhattisgarh

[Implementing Agency: Indian Mine Planners & Consultants]

a. The proposed block falls within Survey of India Toposheet 64M/15 along the boundary of Chhattisgarh and Jharkhand, within the Chhotanagpur Granite Gneissic Complex, overlain by Cenozoic laterite cover.

b. Earlier G4 stage explorations in adjacent toposheets 73A/01, 73N/05, 73N/07, and 73D/13 confirmed vanadium mineralization in lateritic and regolith horizons.

28.04.26

28/04/2026

c. Geological Survey of India carried out G4 reconnaissance (2013–15) in the Garha-Hanrup-Kaprapat-Risahattoli-Kurhetola Block under Survey of India Toposheet 73A/17, indicating Ti-V-Ga and REE potential in bauxite through mapping and drilling.
d. Earlier core sample studies reported significant concentrations of TiO_2 (0.01–21.36%), Y_2O_3 (0.01–0.49%) and Ga (7–113 ppm), with enrichment also observed in interbanded and lithomargic clay horizons.
e. STM studies (2017–18) in the Chemi-Kuchli-Basen area recorded vanadium values of 20–272 ppm in bedrock samples, including anomalous values near the proposed block in Toposheet 64M/15.
f. G3 exploration (2021–22) in the Karma Block estimated vanadium resources of 5.84 Mt @ 781 ppm and 5.05 Mt @ 786 ppm (0.14% V_2O_5), indicating favourable regional potential.
g. Based on favourable regional indicators, the agency has proposed G4 exploration with large-scale mapping (1:12500), geochemical sampling, pitting/trenching, 4–5 scout boreholes, and mineral potential assessment under UNFC G4.
h. The Committee reviewed the proposal and observed that a major part of the proposed area falls within the HINDALCO mining lease area, while the northwestern part falls in a Tiger Reserve. The Committee advised the agency to revisit the area and they may submit a modified proposal for in-principle approval.

Sl. No.	Agency	Brief Comments
1	GSI	100% overlapping found in the proposed Block with GSI previous work namely "Investigation of Bauxite around Jamirapath, Surguja District, Madhya Pradesh".
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	AMD has completed G4-stage uranium exploration in and around the proposed block, establishing mineralisation, with grab samples (n=8) analysing up to 0.049% U_3O_8. There is no ongoing exploration, and no baseline data is available for the stated commodities. However, given the area's uranium potential, uranium analysis may be included, and any borehole drilling should be intimated to AMD for gamma ray logging.
4	State DMG/DGM/CGM	During field season 2025–26, a rapid reconnaissance geological survey was carried out in the Puranpani area by the Directorate of Geology & Mining, Bilaspur (C.G.), and samples were collected. A proposal is being prepared for bauxite along with associated vanadium, gallium, titanium, and REE minerals. Hence, the area may not be allotted to NPEA. No ongoing exploration/reconnaissance work exists for vanadium, gallium, titanium, and REE minerals in the proposed area. However, the area is being considered for future exploration of bauxite and associated minerals.

28.04.26

28/04/2026

5	NMEDT	One existing ML for Bauxite overlaps with the proposed block. No NMEDT funded ongoing and completed projects overlap with the proposed block. The proposed block falls under the ongoing GSI MISSION I of the year 2025-26 & Mission II of 2022-23.

Recommendations of TCC-1:

The committee did not approve the proposal as the major part of the area falls within lease area of HINDALCO and the north western part comes under a Tiger Reserve.

Agenda 94.2.13. Reconnaissance survey (G4) for Tungsten Zirconium and REE mineralization in the rock units of Quartz-mica-schist, granite-gneiss of Chhotanagpur Gneissic Complex group of Proterozoic age in and around Virendranagar, Sulsuli Chandi, Shardapur, Basulapath, Gondla, Murkaul and Baiunthur areas of Balrampur district of Chhattisgarh

[Implementing Agency: Indian Mine Planners & Consultants]

a. The proposed block in Survey of India Toposheets 64M/01 and 64M/05 comprises Proterozoic Chhotanagpur Gneissic Complex rocks, including granite gneiss and quartz-mica schist, overlain by Barakar, Raniganj and Panchet formations.
b. Earlier G4 reconnaissance in the Deortri-Buwatola area (FS 2016–17) under similar geological settings reported total REE values of 681–1710.55 ppm and tungsten values up to 283.04 ppm.
c. Geochemical surveys in adjoining areas reported total REE up to 3021 ppm, stream sediment values up to 4718.47 ppm, and multiple nearby G4 blocks for tungsten, zirconium and REE, indicating favourable regional potential.
d. Based on the available background data, the agency proposed G4 exploration comprising large-scale mapping (1:12500), geochemical sampling, pitting/trenching, 4–5 scout boreholes, and mineral potential assessment under UNFC G4.
e. The Committee reviewed the proposal and observed that it is entirely based on NGCM values. The Committee advised the agency to undertake a field visit, collect field evidence and samples from favourable litho-units for REE and tungsten, and submit a DPR with supporting data and justification if results are encouraging.

Sl. No.	Agency	Brief Comments
1	GSI	No overlapping found in the proposed Block with GSI previous works.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	AMD has carried out G4 stage of exploration for uranium in and aroundthe proposed block in different phases, wherein evidence of U mineralisation has been established. Grab samples (n=29) analysed up to 0.26% U3O8 from the area. In view of known potentiality for uranium in the area, analysis of uranium may be

28.04.26

28/04/2026

		included in the analysis list. Further, intimation regarding drilling of the boreholes, if any, during the exploration may be communicated to AMD for gamma ray logging.
4	State DMG/DGM/CGM	No Reconnaissance/Exploration work have been carried by Directorate of Geology & Mining in the proposed area. There is no Ongoing Exploration/Reconnaissance Projects releted to Tungsten, Zrconium & REE bearing minerals in the proposed area. Baseline/Exploration data is not available for the proposed area.
5	NMEDT	No overlap with NMEDT funded block and ongoing projects.No ML and CL blocks

Recommendations of TCC-1:

The Committee did not recommend the proposal, as the agency does not have sufficient database for justification and the proposal is based solely on NGCM data. The Committee advised the agency to undertake a field visit, collect field evidence and samples from favourable litho-units for REE and tungsten, and submit a DPR with supporting data and justification if the results are encouraging.

Agenda 94.2.14. Reconnaissance Survey (G4) for Gold and REE in Vanthli area, Junagadh District Gujrat

[Implementing Agency: Geovale Services Pvt. Ltd.]

a. The proposed block in Survey of India Toposheet 46K/07 comprises Deccan Trap basaltic rocks and peripheral zones of the Girnar Igneous Complex with miliolitic limestone.
b. The Girnar Igneous Complex consists of differentiated alkaline rocks such as foid-bearing syenites, nepheline-bearing rocks, lamprophyres and granophyre/ring dykes, hosting monazite enriched in LREE along with titanite, zirconolite, apatite, nepheline and sodalite.
c. Earlier investigation by DGM Gujarat in the Sonrekh River area analysed 85 samples, with only low gold values (0.3–0.6 g/t), and the area was not considered favourable for gold exploration.
d. Earlier studies by Geological Survey of India (1994) reported several incidences of gold mineralization in the area.
e. Atomic Minerals Directorate for Exploration and Research (2007) reported anomalous HREE, Y (201 ppm), ΣREE (787 ppm), Nb (586 ppm) and Zr (971 ppm) values in the Alech Hill Complex, indicating REE and rare metal potential; NGCM studies also recorded Hg values of 0.15–31 ppm in nearby toposheets 41K/04 and 41K/07.
f. Based on the above background, the agency has proposed G4 exploration comprising large-scale mapping (1:12500), geochemical sampling, pitting/trenching, ground geophysical surveys, scout drilling, and mineral potential assessment under UNFC G4.
g. The Committee reviewed the proposal and observed that the agency has proposed exploration for both primary and inland placer gold and REE mineralization without clarity on the target type of mineralization.

28.04.26 28/04/2026

h. As there is no sufficient database to support the proposal except NGCM data, the Committee advised the agency to undertake a field visit, collect a few samples, and submit a modified proposal for in-principle approval with supporting data and justification if the results are encouraging.

Sl. No.	Agency	Brief Comments
1	GSI	None of any ongoing or past reconnaissance/exploration work carried out in the proposed area. No significant gold or REE anomalies are observed in the NGCM data for the study area
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Not received
5	NMEDT	There are multiple mining leases of Minor Mineral present within the proposed block. No NMEDT funded blocks overlapping with the proposed area.

Recommendations of TCC-1:

The Committee did not recommend the proposal, as the agency does not have sufficient database for justification and the proposal is based solely on NGCM data. The Committee advised the agency to bring clarity on the type of mineralization proposed to be investigated (primary mineralization or inland placers), undertake a field visit, collect a few samples, and submit a modified proposal for in-principle approval with supporting data and justification if the results are encouraging.

Agenda 94.2.15. Reconnaissance Survey (G4) for Inland Placer REE in Zinjva Area in Aravalli and Sabarkantha District, Gujarat [Implementing Agency: Geovale Services Pvt. Ltd.]

a. The proposed block in Survey of India Toposheets 46A/13, 46E/1 and 46E/2 comprises granites and granitoids of the Idar Granite along with metasediments of the Aravalli-Delhi Supergroup.
b. Geological Survey of India carried out Specialized Thematic Mapping during 2013–14 and 2014–15 to assess REE potential in the Sendra-Ambaji granite area and Idar Granite.
c. Reported total REE values range from 277–577 ppm in Sendra-Ambaji granite and up to 603 ppm in Idar Granite, while Atomic Minerals Directorate for Exploration and Research (1995) also reported anomalous Nb (689 ppm), Ta (153 ppm), Y (297 ppm) and Sn (67 ppm) along the Bhenski River.
d. Encouraging TREE values ranging from 433–2304 ppm were reported from bulk stream sediment samples during NGCM work along the Guhavai River.
e. Based on the available background data, the agency has proposed G4 exploration comprising large-scale mapping (1:12500), geochemical sampling, pitting/trenching, and mineral potential assessment under UNFC G4.

28.04.26 28/04/2026

f. The Committee reviewed the proposal and observed that the area overlaps with G4 explored areas of Geological Survey of India and Atomic Minerals Directorate for Exploration and Research.
g. The Committee advised the agency to modify the area, undertake field visits, collect samples from major catchments, carry out heavy mineral analysis including percentage and mineral concentration studies, and focus on a smaller area instead of a large tract.

Sl. No.	Agency	Brief Comments
1	GSI	There are no ongoing reconnaissance or exploration projects pertaining to REE and associated elements in the proposed area. However, past exploaration projects in the the proposed area indicate various granite and thesegranite indicated total REE concentration is not encouraging. It is difficult to assess the feasibility of undertaking REE exploration in the proposed area.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	AMD has taken up reconnaissance project during FS 2023-24 in NW of the proposed block with partial overlap. Analytical results of the samples collected are awaited. In view of above block boundary of M/s Geovale may be modified to avoid duplication of the work.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	Several mining lease are present in and around the proposed area. No NMEDT funded blocks present in and around the proposed area in NGDR Portal.

Recommendations of TCC-1:

The Committee approved proposal in principle. The Committee advised the agency to visit the field, collect a few samples from major catchments, carry out heavy mineral analysis, determine the percentage of heavy minerals, quantify the concentration of different minerals, and focus on a smaller area instead of a large tract.

The in principle approval is subject to comments from CGM Gujarat.

Agenda 94.2.16. Reconnaissance Survey (G4) for REE in the Manpura-Pethapur area, Sabarkantha Districts, Gujarat
[Implementing Agency: Geovale Services Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheets 46A/13 and 46A/14, comprising granites and granitoids of the Jalore Plutonics along with Tertiary sediments of the Matanomadh Formation.
b. Earlier investigations during 1966–67 reported china clay over a 6 km long and 1.5 km wide belt along both banks of the Sabarmati River.
c. Geological Survey of India carried out Specialized Thematic Mapping during 2013–14 and 2014–15 to assess REE potential in the Sendra-Ambaji granite area and Idar Granite.

28.04.26

28/04/2026

d. Total REE values range from 277–577 ppm in the Sendra-Ambaji granite area, while Idar Granite shows moderate enrichment with maximum TREE of 603 ppm.
e. As part of the Strategic Plan (2020), Atomic Minerals Directorate for Exploration and Research and Geological Survey of India identified multiple inland placer projects with HREE and LREE potential in the Eastern Highlands of Gujarat.
f. The agency collected a few stream sediment samples from the proposed block, reporting TREE values of 475–1874.63 ppm, indicating REE enrichment in clay horizons.
g. Based on the available background data, the agency has proposed G4 exploration comprising large-scale mapping (1:12500), geochemical sampling, pitting/trenching, and mineral potential assessment under UNFC G4.
h. The Committee reviewed the proposal and advised the agency to submit a DPR.

Sl. No.	Agency	Brief Comments
1	GSI	There are no ongoing reconnaissance or exploration projects pertaining to REE and associated elements in the proposed area. However, the proposed area comprises Idar granite and Ambaji granite and thesegranite indicated total REE concentration is <600 ppm as mentioned in STM report Acc. no. WRO-24875. It is difficult to assess the feasibility of undertaking REE exploration in the proposed area.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	Several mining lease are present in and around the proposed area. No NMEDT funded blocks present in and around the proposed area in NGDR Portal.

Recommendations of TCC-1:

The Committee approved proposal in principle. The Committee advised the agency to visit the field, collect samples, analyse the data and present the data before committee for further evaluation.

The in principle approval is subject to comments from CGM Gujarat.

Agenda 94.2.17. Preliminary Exploration (G-3 Stage) For Magnesite in Chettichavadi Block (1.1 Sq Km), Salem District, Tamil Nadu
[Implementing Agency: Geo Exploration and Mining Solution]

a. The proposed block falls within Survey of India Toposheets 58I/01 and 58I/02, comprising ultramafic litho-variants such as dunite, peridotite, charnockite, pyroxenite and gabbro.
b. In the Chalk Hills area, magnesite deposits occur within two detached ultramafic belts: a larger northern belt of 26 sq. km and a smaller southern belt of 4 sq. km, separated by gneissic and older ultramafic rocks.

28.04.26 28/04/2026

c. Magnesite-bearing younger ultramafics mainly comprise dunite and peridotite, where magnesite occurs as vein networks, lenses and stringers formed by hydrothermal carbonate solutions along fractures.
d. Geological Survey of India carried out investigations for magnesite in the Chalk Hills area during 1978–79 and estimated about 5.2 million tonnes of probable reserves in the Red Hills block, with an additional 3.8 million tonnes of possible reserves.
e. Based on the available background data, the agency has proposed G3 exploration comprising detailed geological mapping (1:2000), geochemical sampling, pitting/trenching, and exploratory drilling for mineral potential assessment under UNFC G3.
f. The Committee reviewed the proposal and observed that a zoological park exists adjacent to the proposed block, and there may be issues of public objection to mining activities, as informed by DGM Tamil Nadu during the discussion. DGM Tamil Nadu was requested to share the relevant information with the NMEDT Secretariat.

Sl. No.	Agency	Brief Comments
1	GSI	As per the 1:50,000 geological map, the proposed block comprises litho variants of ultramafic rocks including dunite/ peridotite and pyroxenite, which acts as a host rock for magnestite mineralisation. The occurrence of mine/ mine section in the adjoining area to the proposed block indicates favourable/ feasible for G-3 exploration for magnesite. The G-3 proposal as submitted may help in assessing the grade of the magnesite and estimating the resources under G-3 category.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	State DGM representative, present in the meeting, informed that a zoological park exists adjacent to the proposed block, and there may be issues of public objection to mining activities.
5	NMEDT	Mining and lease areas for major minerals within the block (2 blocks i.e Svalavandhi and Selvi limestone block) overlaps within the proposed block. There are no NMEDT funded blocks overlapping in the proposed area (as per NGDR portal).

Recommendations of TCC-1:

The Committee did not recommend the proposal, as a zoological park exists adjacent to the proposed block and there may be issues of public objection to mining activities, as informed by DGM Tamil Nadu.

28.04.26

28/04/2026

Agenda 94.2.18. Preliminary Exploration (G-3) for Limestone in Honnal Block, Kalaburagi District, Karnataka

[Implementing Agency: Geo Exploration and Mining Solution]

a. The proposed block in Survey of India Toposheet 56D/13 comprises horizontally bedded Bhima Series limestone with aggregate thickness exceeding 50 m.
b. Earlier investigations by Geological Survey of India reported limestone in the area to be generally of cement grade and assessed flux grade limestone potential around Wadi.
c. Recent G3 explorations in nearby Kalaburagi district blocks estimated 217.118 MT and 224.31 MT of limestone resources under blast furnace and cement grades.
d. Additional G3 limestone exploration has also been undertaken in the Sedam area of Karnataka by KIOCL during 2024.
e. Based on the favourable background, the agency has proposed G3 exploration with detailed mapping (1:4000), geochemical sampling, pitting/trenching, grid drilling, and mineral potential assessment under UNFC G3.
f. The Committee reviewed the proposal and advised the agency to consult all existing reports, undertake a field visit to the proposed area, visit nearby mining areas, and study the disposition of limestone bands. Based on the database generated, the agency may submit either an in-principle or DPR proposal. In the meantime, the NMEDT Secretariat will obtain comments from DGM Karnataka.

Sl. No.	Agency	Brief Comments
1	GSI	In the proposed area, no exploration/reconnaissance projects are ongoing. The G3 stage of investigation carried out in the nearby areas of the proposed block shows that the area may be feasible for further exploration.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Not received. No representative attended meeting.
5	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area (as per NGDR portal)

Recommendations of TCC-1:

The Committee approved the proposal in principle and advised the agency to consult all existing reports, undertake a field visit to the proposed area, visit nearby mining areas, and study the disposition of limestone bands. Based on the database generated, the agency may submit a DPR.

Agenda 94.2.19. Preliminary Exploration (G-3 Stage) for Limestone in Palappatti and Pillaikalathur Sectors (54 sq. km), Namakkal District, Tamil Nadu

[Implementing Agency: Geo Exploration and Mining Solution]

28.04.26

28/04/2026

a. The proposed block falls within Survey of India Toposheet 58I/04 and comprises charnockite, migmatite, pyroxene granulite, calc-granulite with limestone, and recent alluvium cover.
b. Earlier G4 reconnaissance for REE and associated minerals was carried out in the southern part of the proposed block around Paramathi-Sarkarvalarandi-Kaundanur area during 2013–14.
c. Based on the available background data, the agency has proposed G3 exploration involving detailed geological mapping (1:4000), geochemical sampling, pitting/trenching, grid pattern drilling, and mineral potential assessment under UNFC G3.
d. The Committee reviewed the proposal and observed that the proposed area is too large for G3 stage exploration. The Committee advised the agency to verify the status of earlier G4 exploration work, undertake a field visit, study the disposition of limestone bands, collect a few samples, and submit a revised proposal for G4/G3 stage exploration.

Sl. No.	Agency	Brief Comments
1	GSI	As per the 1:50,000 geological map, the continuous/ discontinuous bands of limestone/ calc granulite with limestone has been mapped for a cumulative strike length of 17km occurring in the form of folded nature. The G-3 proposal as submitted may help in assessing the grade of the limestone and estimating the limestone resources under G-3 category.
2	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3	AMD	NA
4	State DMG/DGM/CGM	Awaited
5	NMEDT	Mining and lease areas for major minerals within the block (2 blocks i.e Svalavandhi and Selvi limestone block) overlaps within the proposed block. There are no NMEDT funded blocks overlapping in the proposed area (as per NGDR portal).

Recommendations of TCC-1:

The Committee deferred the proposal and advised the agency to verify the status of earlier G4 stage exploration work, undertake a field visit, study the disposition of limestone bands, collect a few samples, and submit a proposal for G4/G3 stage exploration work.

94.3: Review of Ongoing Exploration Project & Timeline Extension

Agenda 94.3.1. Preliminary Exploration (G-3) For Limestone in Mattampally Block-1, Mattampally Cluster-2, Suryapet District, Telangana [Implementing Agency: TGMDC]

28.04.26

28/04/2026

a. The committee was informed that the project was approved in the 1st PSC Meeting held on 9th October, 2025. The Sanction Order was issued on 10th November, 2025 with timeline of 10 months (up to 9.9.2026) and approved cost was INR 94,92,01/-.
b. The agency apprised the committee that the Geological Report has been peer reviewed and all the comments and suggestions of peer reviewer has been duly complied with.
c. The agency informed that an area of 3.94 sq. km in the Mattampally Block-1 is considered for resource estimation and has established resources of cement-grade limestone in accordance with the MEMC Rules, 2015 (as amended in 2021).
d. The Net Resources by by TIN Volume Surface Method (Reducing 10% for cavernous nature) is 363.53 million tonnes of cement-grade limestone.
e. The comments and their compliance by agency was discussed.
f. The committee reviewed the work and agreed for submission of GR.

Recommendations of TCC-1:

The committee agreed for submission of Geological Report (GR).

Agenda 94.3.2. Preliminary Exploration(G-3) For Limestone in Mattampally Block-2, Mattampally Cluster-2, Suryapet District, Telangana [Implementing Agency: TGMDC]

a. The committee was informed that the project was approved in the 1st PSC Meeting held on 9th October, 2025. The Sanction Order was issued on 10th November, 2025 with timeline of 10 months (up to 9.9.2026) and approved cost was INR 86,00,567/-
b. The agency apprised the committee that the Geological Report has been peer reviewed and all the comments and suggestions of peer reviewer has been duly complied with.
c. The agency informed that an area of 2.82 sq. km in the Mattampally Block-2 is considered for resource estimation and has established resources of cement-grade limestone in accordance with the MEMC Rules, 2015 (as amended in 2021).
d. The Net Resources by by TIN Volume Surface Method (Reducing 10% for cavernous nature) is 274.4 million tonnes of cement-grade limestone.
e. The comments and their compliance by agency was discussed.
f. The committee reviewed the work and agreed for submission of GR.

Recommendations of TCC-1:

The committee agreed for submission of Geological Report (GR).

Agenda 94.3.3. Preliminary Exploration (G3) For Limestone in Mellacheruvu Block, Mellacheruvu Cluster-1, Suryapet District, Telangana [Implementing Agency: TGMDC]

a. The committee was informed that the project was approved in the 1st PSC Meeting held on 9th October, 2025. The Sanction Order was issued on 10th November, 2025 with timeline of 10 months (up to 9.9.2026) and approved cost was INR 96,06,955/-

28.04.26

28/04/2026

b. The agency apprised the committee that the Geological Report has been peer reviewed and all the comments and suggestions of peer reviewer has been duly complied with.
c. The agency informed that an area of 1.66 sq. km in the Mellacheruvu Block is considered for resource estimation and has established resources of cement-grade limestone in accordance with the MEMC Rules, 2015 (as amended in 2021).
d. The Net Resources by by TIN Volume Surface Method (Reducing 10% for cavernous nature) is 148.0 million tonnes of cement-grade limestone.
e. The comments and their compliance by agency was discussed.
f. The committee reviewed the work and agreed for submission of GR.

Recommendations of TCC-1:

The committee agreed for submission of Geological Report (GR).

Agenda 94.3.4. Preliminary Exploration (G-3) For Limestone in Raghunathpalem Block, Raghunathapalem Cluster-3 Suryapet District, Telangana
[Implementing Agency: TGMDC]

a. The committee was informed that the project was approved in the 1st PSC Meeting held on 9th October, 2025. The Sanction Order was issued on 10th November, 2025 with timeline of 10 months (up to 9.9.2026) and approved cost was INR 98,83,161/-
b. The agency apprised the committee that the Geological Report has been peer reviewed and all the comments and suggestions of peer reviewer has been duly complied with.
c. The agency informed that an area of 4.42 sq. km in the Raghunathapalem Block is considered for resource estimation and has established resources of cement-grade limestone in accordance with the MEMC Rules, 2015 (as amended in 2021).
d. The Net Resources by by TIN Volume Surface Method (Reducing 10% for cavernous nature) is 402.0 million tonnes of cement-grade limestone.
e. The comments and their compliance by agency was discussed.
f. The committee reviewed the work and agreed for submission of GR.

Recommendations of TCC-1:

The committee agreed for submission of Geological Report (GR).

Agenda 94.3.5. Preliminary Exploration (G3) For Limestone in Mallareddygudem Block, Mellacheruvu Cluster-1, Suryapet District, Telangana
[Implementing Agency: TGMDC]

a. The committee was informed that the project was approved in the 1st PSC Meeting held on 9th October, 2025. The Sanction Order was issued on 10th November, 2025 with timeline of 10 months (up to 9.9.2026) and approved cost was INR 88,15,789/-
b. The agency apprised the committee that the Geological Report has been peer reviewed and all the comments and suggestions of peer reviewer has been duly complied with.

28.04.26

28/04/2026

c. The agency informed that an area of 4.67 sq. km in the Raghunathapalem Block is considered for resource estimation and has established resources of cement-grade limestone in accordance with the MEMC Rules, 2015 (as amended in 2021).
d. The Net Resources by by TIN Volume Surface Method (Reducing 10% for cavernous nature) is 452.0 million tonnes of cement-grade limestone.
e. The comments and their compliance by agency was discussed.
f. The committee reviewed the work and agreed for submission of GR.

Recommendations of TCC-1:

The committee agreed for submission of Geological Report (GR).

Agenda 94.3.6. Reconnaissance Survey for gold and associated minerals in Killarhatti area, Koppal & Raichur, Karnataka
[Implementing Agency: Mining Tech Consultancy Services Limited]

a. MTCS Ltd. informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The Sanction Order was issued on 6th January, 2025 with timeline of 10 months (up to 05.12.2025) and approved cost was INR 3,74,34,976/- Timeline was extended upto 05.05.2026 during 3rd PSC meeting.
b. The agency apprised the committee about the progress of work and informed that
c. Geological mapping and sampling commenced in July 2025; 14 sq. km of LSM out of 14 sq. km. is completed. 149 Bedrock samples, out of assigned target of 150 and 23 stream sediment samples, out of assigned target of 25 collected.
d. Magnetic survey is completed (100 line-km of approved 100 line-km), while SP survey is partially completed (12 line-km of approved 100 line-km). Geophysical survey was halted due to stiff resistance from locals.
e. The agency presented the progress of work and apprised the committee that the TMI (Total Magnetic Intensity) map has magnetic intensity varying from 42446 to 42949 nT showing broad magnetic variation (~500 nT). The high magnetic corridors are attributed to magnetically sensitive lithologies (BIF) and structural zones.
f. The agency also presented the analytical (chemical) results received so far (151 samples) and apprised the committee that value of Au ranged from 0.001 to 0.579 ppm, value of Ag ranged from 1.00 to 8.10 ppm. The value of Cu varied from 5.34 to 1215 ppm.
g. The agency apprised that due to strong local resistance, work was halted for 3 months. However, the issue is being amicably resolved by agency and the work has resumed.
h. The committee reviewed the progress and suggested that the geophysical survey should be completed and after interpretation of geophysical anomaly, trenching should be planned.
i. The committee instructed the agency that trench plan alongwith completed geophysical survey may be presented before committee in next meeting.
j. The agency sought timeline extension upto 5th November, 2026 for getting forest clearance, completing trenching, drilling and associated components.
k. The committee discussed the progress of work and agreed for timeline extension.

28.04.26

28/04/2026

Recommendations of TCC-1:

The committee recommended timeline extension of 4 months, upto 31.08.2026 for approval of PSC, NMEDT. Timeline extension is recommended for completion of work and submission of GR.

Agenda 94.3.7. Reconnaissance Survey (G4) for Aluminous laterite and associated critical minerals in Nakhare area, Ratnagiri District, Maharashtra

[Implementing Agency: Bhushilp Mines and Minerals Pvt. Ltd.]

a. Bhushilp Mines and Minerals Pvt. Ltd. informed that the project was approved in the 2nd PSC Meeting held on 4th November, 2025. The Sanction Order was issued on 4th December, 2025 with timeline of 10 months (up to 03.10.2026) and approved cost was INR 1,03,26,771/-.
b. The agency apprised the committee about the progress of work and informed that out of assigned target of 76 sq. km of LSM, 41.63 sq. km has been covered. 28 cu.m out of 50 cu.m of pitting has been completed and 71 out 0f 100 surface samples have been collected.
c. Chemical analytical results received so far have yielded 14.57- 30.33% of Al_2O_3 with an average of 22.32%.
d. The agency further informed that due to hindrance by local people during field sampling on 27th February 2026, the work was temporarily stopped.
e. In this regard, a letter was written to DGM Maharashtra on 16th March 2026 to resolve the issue, and parallel discussions are being held with the Sarpanch for continuation of the work.
f. The committee reviewed the progress of work and suggested the agency to complete mapping first, then get ICPMS-analysis done.
g. It was further suggested that out of 71 surface samples collected, 20 samples distributed over the area may be submitted for ICPMS initially.
h. Analysis of V and Ga may be presented before TCC.

Recommendations of TCC-1:

The committee advised the agency to complete mapping and come again for review next month with complete map and analytical data generated as per instructions.

Agenda 94.3.8. Preliminary Exploration (G-3) for Copper and associated Mineralization in Govindpur Block (0.83 sq.km.), Chandrapur District, Maharashtra

[Implementing Agency: Kartikay Exploration and Mining Services Pvt. Ltd.]

a. The agency informed that the project was approved in the 36th EC Meeting held on 29th July, 2024. The sanction order was issued on 21st August, 2024 with timeline of 8 months (up to 20.04.2025) and approved cost was INR 1,26,07,813/-Timeline extension upto 20.07.2025 and 31.10.2025 was approved in 76th TCC-I and 1st PSC meetings respectively.
b. The item was reviewed in the 83rd TCC meeting, and the project was recommended for pre-closure due to non-receipt of Forest Clearance (FC). However, the

28.04.26 28/04/2026

recommendation of 81st TCC was not approved during 3rd PSC meeting and the agency was suggested to pursue the forest clearance issue along with DGM Maharashtra. During 3rd PSC timeline extension upto 31.03.2026 was approved for completion of work.

c. Pursuant to instruction of 3rd PSC, the agency has sought permission to complete the drilling during 88th meeting of TCC-1, wherein the committee has approved drilling of 2nd Borehole and recommended the agency to propose 3rd bore hole before TCC, only after the results of 2nd borehole is received.
d. However, the agency informed that clearance was sought from Forest Department and DCF also visited the field area. It was communicated that the area falls in ESZ and lies in the 1 km buffer zone of Tadoba- Andhari Tiger Reserve.
e. TCC-I in its 93rd meeting, have recommended for pre-closure of the project. The cost of project is revised.

Recommendations of TCC-1:

The Committee recommended pre-closure of the project and instructed the agency to submit to the NMEDT Secretariat all correspondences made with the competent authorities regarding forest clearance, arranged chronologically.

The project is recommended to PSC, NMEDT for revision of cost from Rs. 126.08 lakh to Rs. 51.42 lakh with a change in amount of (-) Rs. 74.66 lakh (~59.21 % de-escalation) as per Annexure 17.

28.04.26

28/04/2026

Annexure 17

Revised cost for Exploration Work (G-3) for Govindpur block, Chandrapur district, Maharashtra [Block area-0.83 sq.km)

S.No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Approved Quantum		Achieved Quantum		Remarks
			SoC-Item-Sl No.	Rates as per SoC	Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A									
1	**SURVEY WORK**								
	GEOLOGICALWORK					0			
	Charges for One Geologist for-HQ	Per day	1.5.1a	9,000	30	270,000	15	135,000	
	Charges for One Geologist for-Field	Per day	1.5.1a	11,000	90	990,000	35	385,000	
	1 labours / party (Rs 526/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	180	93,960	70	36,540	
	CoreSampling-**1Samplers**	Per day	1.5.2	5,100	25	127,500	7	35,700	
	4 labours/ party (Rs 526/day/labour) (As per rates of Central Labour Commissioner)	Per day	5.7	522	240	125,280	28	14,616	
	SUB TOTAL OF A					**1,606,740**		**606,856.00**	
B	**GEOPHYSICAL SURVEY**								
	IP cum resitivity, SP, Magnetic-10 Lkm	8-10 Lkm	3.4b	1448693	1	1448693	1	1,448,693.00	
	Sub Total B					**1448693**		**1,448,693.00**	
C	**DRILLING**					0			
	Drilling upto 300m (Very hard Rock)(2 rigs) HQ Size	m	2.2.1.5a	11,500	500	5750000	61	701,500	
	Land/ Crop compensation	Per BH	5.6	20,000	4	80000	1	20,000	As per actuals
	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	4	8000	1	2,000	

28.04.26

28/04/2026

	Transportation of Drill Rig & Truck associated per Drill (1 DRILL RIGS)	Km	2.2.8	36	500	18000	260	9,360	The distance to & Fro Nagpur to Govindpur block. As per actuals
	Monthly Accommodation Charges for drilling Camp (upto 1Rigs)	month	2.2.9	50,000	4	200000	1	50,000	
	Drilling Camp Setting Cost	Nos	2.2.9a	250,000	1	250000	1	250,000	
	Drilling Camp Winding up Cost	Nos	2.2.9b	250,000	1	250000	1	250,000	
	Drill Core Preservation	Per m	5.3	1590	200	318000	61	96,990	
	Trenching (8*1*2)	Cu m	2.1.1	3330	160	532800	80	266,400	
	Approach Road Making (Flat Terrain)	Km	2.2.10b	22,020	0.5	11010	0.5	11,010	
	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and By DGPS	Nos	1.6.2	19,200	8	153,600	5	96,000	1 Boreholes and 4 corners of Block
	SUB TOTAL OF C					**7571410**		**1,753,260**	
D	**LABORATORYSTUDIES**								
	Primary and Check samples for AAS method								
1.1a	Primary samples for 8 radicals (Pb,Cu,Zn,Co,Ni,Ag,As,& Au)	Nos.	4.1.7a+7b	3511	180	631980	49	172,039	
1.1b	Check samples (Pb,Cu,Zn,Co,Ni,Ag,As,& Au)	Per Sample	4.1.7a+7b	3511	18	63198	5	17,555	
	Physical & Petrological studies					0			
	Preparation of thin sections	Per Sample	4.3.1	2353	5	11765	3	7,059	
	Complete petrographic study report	Per Sample	4.3.4	4232	5	21160	3	12,696	

28.04.26

28/04/2026

	Preparation of polished sections	Per Sample	4.3.2	1549	5	7745	3	4,647	
	Complete Mineragraphic study report	Per Sample	4.3.3	4232	5	21160	3	12,696	
	Digital photographs			280	5	1400	3	840	
	Whole Rock analysis (Major oxides)	Per Sample	4.8.1	4200	5	21000	2	8,400	
	SUB TOTAL OF D					779408		**235,932**	
	SUB TOTAL OFA- D					9957558		**4,044,741**	
E	**Geological Report Preparation**		**5.2.IV**	For the projects having cost exceeding Rs.50 lakhs and less than Rs.150 lakhs- A minimum of Rs.2.5 lakhs or 5% of the value of work Whichever is more	1	497,878		202,237	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
	Peer review Charges		As per EC decision	30000	1	30000	1	30,000	
	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hardcopies with a soft copy	5.1	199151	1	199151	1	80,895	EA has to submit the Hard Copies and the soft copy of the final proposal along with

28.04.26

28/04/2026

									Maps and Plan a suggested by the TCC-NMET in its meeting while Clearing the proposal.
	SubTotal-A-E							**4,357,873**	
I	**Total Estimated Cost without GST**					**10,684,587.06**		**4,357,873**	
J	**Provision for GST (18%ofl)**					**1923225.67**		**784,417**	GST will be reimburse as per actual and as per Notified prescribed rate
K	**Total Estimated Cost with GST**					**12,607,812.73**		**5,142,290**	
	Or Say Rs. In Lakhs 126.08						**Rs. In Lakhs 51.42**		
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 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.**								

28.04.26

28/04/2026

Agenda 94.3.9. Reconnaissance Survey (G4) for graphite in Khairmal Block (83.34 sq. Km) in Bolangiri district of Odisha
[Implementing Agency: Odisha Mining Corporation (OMC) Ltd.]

a. The OMC informed that the project was approved in the 37th EC Meeting held on 23th September, 2024. The sanction order was issued on 23rd October, 2024 with timeline of 10 months (up to 22.08.2025) and approved cost was INR 85,26,720/- Timeline was extended upto 31.12.2025 and 31.03.2026 during 2nd PSC and 4th PSC meetings respectively.
b. The agency informed that LSM on 1:12,500 scale has been completed and 12 samples of bedrock collected for analysis. The analysis of these 10 samples have yielded F.C. from 0.02% to 2.60%.
c. The agency informed that they have prepared GR and is ready for submission for peer review.
d. The committee enquired that why the targets have not been achieved and only mapping has been done.
e. The agency informed that the analytical results are not promising and so they decided to pre-close the project.
f. The committee noted that hat no progress had been made since the last review during 87th TCC meeting. They enquired why they took timeline extension if the project was to be pre-closed.
g. The committee showed their displeasure about the fact that agency themselves decided to close the project.
h. The committee discussed the project and instructed the agency to complete the targets assigned. They were also suggested to do petrography and ICPMS of 5 samples.
i. The committee also instructed the agency to incorporate the data as generated in Geological Report.

Recommendations of TCC-1:

The committee did not approve GR for peer review and suggested the agency to complete the assigned targets. The committee recommended timeline extension of 3 months, upto 30.06.2026 for approval of PSC, NMEDT. Timeline extension is recommended for completion of work and submission of GR.

Agenda 94.3.10. Reconnaissance Survey (G4) for graphite in Dhourakhaman Block (60 sq. Km) in Bolangiri district of Odisha
[Implementing Agency: Odisha Mining Corporation (OMC) Ltd.]

a. The OMC informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The sanction order was issued on 13th December, 2024 with timeline of 10 months (up to 12.10.2025) and approved cost was Rs. 89,11,129/-. Timeline was extended 31.12.2025 and 31.03.2026 during 2nd PSC and 4th PSC meetings respectively.
b. The agency informed that LSM on 1:12,500 scale has been completed for 60 sq. km., out of assigned 60 sq. km. A total of 11.57 Line km Self Potential survey has been carried out with no such promising anomalous zone in this block.

28.04.26 28/04/2026

c. The agency further informed that very less dissemination of graphite mineralization in Dhourakhaman block is associated with khondalite and granite gneiss where the FC% varies from 0.02 to 5.33.
d. The agency informed that they have prepared GR and is ready for submission for peer review.
e. The committee enquired that why the targets have not been achieved and only mapping has been done.
f. The agency informed that the analytical results are not promising and so they decided to pre-close the project.
g. The committee noted that hat no progress had been made since the last review during 87th TCC meeting. They enquired why they took timeline extension if the project was to be pre-closed.
h. The committee showed their displeasure about the fact that agency themselves decided to close the project.
i. The committee discussed the project and instructed the agency to complete the targets assigned. They were also suggested to do petrography and ICPMS of 5 samples.
j. The committee also instructed the agency to incorporate the data as generated in Geological Report.

Recommendations of TCC-1:

The committee did not approve GR for peer review and suggested the agency to complete the assigned targets. The committee recommended timeline extension of 3 months, upto 30.06.2026 for approval of PSC, NMEDT. Timeline extension is recommended for completion of work and submission of GR.

Agenda 94.3.11. Khandadhar Sub Block - A (4.03 sq.km), Sundargarh District, Odisha
[Implementing Agency: Odisha Mining Corporation (OMC) Ltd.]

a. OMC informed that the project was approved in 11th EC meeting held on 7th February, 2019. The sanction order was issued on 12th February, 2019 with timeline of 14 months (11.04.2020) and approved cost was INR 4,13,81,000/-. The timeline extension upto 31.12.2025 was approved during 2nd PSC.
b. The agency sought further timeline extension upto 31.12.2026 for completion of project.
c. The project was reviewed during 88th meeting of TCC-I, wherein the agency was instructed to send the details of communication made in regard with FC with the authorities to NMEDT. They werw also instructed to write about the progress made in the process of obtaining Forest Clearance.
d. The committee informed that a fresh application for forest clearance has been made, based on the new guidelines of MoEF, on 23rd December 2025.
e. The agency further informed that Government have modified the boundary of Khandadhar Waterfall Catchment area.
f. The committee opined that the project may be force-closed and a fresh project may be taken up with modified schema of exploration, as the project has not been started yet.

28.04.26

28/04/2026

g. However, the committee decided that it may be discussed in next TCC in presence of representative of DMG Odisha.

Recommendations of TCC-1:

The committee deferred the proposal of timeline extension and opined that decision may be made in consultation with DMG Odisha in upcoming TCC meeting.

Agenda 94.3.12. Karnapodikonda Bauxite Block of Koraput District [Implementing Agency: Odisha Mining Corporation (OMC) Ltd.]

a. The project is of 2018-19, however, sanction order was issued on 07.03.2024 with a timeline of 10 months (upto 06.01.2025). The project was approved for a cost of Rs. 1,82,42,000/-.
b. The agency has submitted its GR on 21.11.2024. The agency had some issues regarding clearance of bills submitted to NMEDT.
c. The agency requested for approval of charges incurred towards analysis done at University. Approval was also sought for additional analysis done.
d. The committee discuss the issue and opined that bills would be processed as per approved NQT and SoC of NMEDT.

Recommendations of TCC-1:

The committee did not approve the request of agency for clearance of bills for work carried outside approved NQT. The committee also stated that all the payments to be done only as per SoC of NMEDT.

Agenda 94.3.13. Reconnaissance Survey (G4) for REE & RM mineralization in Bande Saver area (129 Sq.km), District: Uttar Bastar Kanker District, Chhattisgarh
[Implementing Agency: Gemco Kati Exploration Pvt. Ltd.]

a. Gemco Kati Exploration Pvt. Ltd. informed that the project was approved in 1st PSC meeting held on 9th October, 2025. The sanction order was issued on 13th November, 2025 with timeline of 10 months (upto 12.09.2026) and approved cost was INR 1,81,41,611/-.
b. The agency presented the progress of work and informed the committee that LSM on 1:12,500 scale has been completed for 129 sq. km. 130 Surface samples (100 BRS + 30 SS) has been collected.
c. The analytical results received so far have yielded TREE ranging from 280 to >1200 ppm, with majority of the samples falling in the range 400-900 ppm.
d. Based on the outcomes, the agency proposed drilling and trenching in the area.
e. The committee reviewed the progress of work and observed that there is not much difference in 50000 and 12500 scale maps.
f. The committee further instructed that the pegmatite body is not demarcated on map.
g. The committee also instructed the agency to map and sample pegmatite bodies present in the area.
h. The agency was instructed to complete trenching, bring analytical results and then drilling may be planned.

28.04.26 28/04/2026

Recommendations of TCC-1:

The committee suggested the agency to do trenching and bring out analytical results, then drilling plan will be discussed.

Agenda 94.3.14. Preliminary Exploration (G3) for Bauxite in Nittadgi Block, Uttara Kannada district, Karnataka
[Implementing Agency: PRB InfraProjects Pvt. Ltd.]

a. M/s PRB Infraprojects Ltd. informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 12 months (up to 09.02.2026) and approved cost was Rs. 1,40,64,245/-. Timeline extension upto 31.03.2026 was approved in 5th meeting of PSC.
b. The agency apprised the committee that the project was reviewed in 93rd meeting of TCC-I, wherein the agency was advised to bring all the correspondences made in regard with forest clearance with competent authorities for further discussion.
c. The agency further informed the committee that Forest Clearance permission was denied by PCCF as the area lies in the ESZ. The project cannot be executed further.
d. The agency presented all communications made with the competent authorities — namely the Forest Department and DMG — arranged in chronological order.
e. The committee was informed that the agency has carried out DGPS survey for marking the area before submission of application of forest clearance.
f. The committee agreed that the project may be pre-closed. However, regarding the payment of expenditure incurred, they have to communicate to NMEDT secretariat.
g. The committee kept the revision of cost sheet in abeyance and instructed that the matter will be discussed in upcoming TCC meeting.

Recommendations of TCC-1:

The committee kept the decision regarding revision of cost sheet and pre-closure in abeyance and instructed agency to come again in forthcoming TCC.

Agenda 94.3.15. Preliminary exploration (G3) for Bauxite in Barpat Block, Balrampur Ramanujganj District, Chhattisgarh
[Implementing Agency: DGM Chhattisgarh]

a. DGM Chhattisgarh informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The sanction order was issued on 13th December, 2024 with timeline of 12 months (up to 12.12.2025) and approved cost was INR 1,36,83,526/-.
b. The agency informed that Detail Geological Mapping and Topographical Survey of 1.10 sq. km is done on 1:4000 scale against the assigned target of 2.43 sq. km.
c. The agency has also completed 165.80 m of drilling against assigned target of 700 m.
d. The analytical results of 24 surface samples have yielded average 44.75% of Al_2O_3.
e. The agency further informed that exploration work has been suspended due to agitation by local villagers since 15th January 2025. The work was resumed on 06.12.2025; however, on 07.12.2025, villagers obstructed vehicles en route to

28.04.26 28/04/2026

Barpat. On 08.12.2025, one drilling rig was set on fire by unknown persons. All incidents have been reported to higher authorities and an FIR has been lodged. Since then, the work remains temporarily suspended.

f. It was further apprised that No action was taken on the FIR, and despite multiple discussions with district authorities, repeated meetings, and planned restart dates in January–February 2026, the work could not resume due to law and order issues and illegal mining activities at Hanspur village.
g. At present, the situation has improved, and with work resumed in the adjacent Khajari–Surbena block, villagers have agreed to restart the exploration work.
h. As the work has been resumed, the agency sought timeline extension upto 31st July, 2026 for completion of project and submission of GR.
i. The committee discussed the prevailing local conditions in the area and in view of exploration work being resumed, agreed for timeline extension, as sought by agency.

Recommendations of TCC-1:

The committee recommended timeline extension of 7.5 months, upto 31.07.2026 for approval of PSC, NMEDT. Timeline extension is recommended for completion of work and submission of GR.

94.4 Technical Evaluation of Mineral Exploration Proposals of Geological Survey of India

Agenda 94.4.1. Preliminary Exploration(G-3) for Potash and Halite Minerals in Kandhwala- Ramsara Block, District- Fazilka, Punjab
[Implementing Agency: GSI, Northern Region (NR)]

a. The proposed block falls in SOI TS No. 44 J/04 and is mostly covered by Quaternary sediments (Older Alluvium of Middle to Late Pleistocene).
b. The subsurface geology based on borehole data from previous studies suggests that Quaternary sediment is encountered upto ~250 m bgl, Tertiary rocks (Marh/Palana Formation) from 252 m to 346, rocks of Nagaur Group from 346 to 456m and Evaporite Group (Cambrian) starts from 456 m to 786 m. Potash bearing minerals are restricted mostly to pink halite of Evaporite Group and its contact zone with Nagaur Group.
c. The Committee was further informed that earlier exploration in Punjab, Haryana and adjoining Rajasthan established the presence of potash-bearing evaporite horizons through boreholes HP-1, HP-2 and HP-3, with significant evaporite intersections including halite, polyhalite, anhydrite and associated sediments.
d. Subsequent drilling in Qabrwala Block and Sherewala-Shergarh-Ramsra Block indicated encouraging potash mineralisation, with estimated reconnaissance resources of 409.32 million tonnes at 2% K cut-off and 300.15 million tonnes at 3% K cut-off.
e. The Committee was apprised that recent scout drilling in Shergarh-Dalmirkhera Block further confirmed the continuity of potash mineralisation and estimated resources of 202.45 million tonnes at 2% cut-off, along with higher-grade zones of 22.86 million tonnes at 5% cut-off and 4.86 million tonnes at 8% cut-off.

f. Based on the above background, Geological Survey of India has proposed Preliminary Exploration (G-3) for potash and halite minerals in Kandhwala-Ramsara Block in Fazilka District, Punjab.
g. GSI informed that the proposed investigation aims at tracing the lateral continuity of the previously identified area of mineralization (mainly potash) in the Evaporite Basin of Punjab and estimating reconnaissance resources of potash.
h. The project was approved in 65th meeting of CGPB.
i. The proposal envisages a total drilling programme of 4250 m comprising 1650 m of non-core drilling and 2600 m of core drilling in 5 boreholes.
j. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "*Preliminary Exploration (G3) for Potash in Kandhwala- Ramsara Block, Fazilka District, Punjab*" for approval of PSC, NMEDT with an estimated cost of Rs. 384.68 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 18A & 18B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 18A

Preliminary Exploration (G3) for Potash and Halite Minerals in Kandhwala- Ramsara Block, District- Fazilka, Punjab
Timeline: upto 31.03.2027, Review after 3, 6 and 9 months. Total Drilling meterage: 4250 m. No. of Boreholes: 5

		Drilling	**4250 m**						
Item of Work			**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025**		**Estimated Cost**		**Remarks**
							Qty.	**Total Amount (Rs)**	
Drilling - OUT SOURCED									
		Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrese by 20%	m	2.2.1.1d		10,000.00	2600	₹ 26,000,000.00	
		Non coring drilling	m	2.2.4		4,000.00	1650	₹ 6,600,000.00	
		Total Drilling cost						₹ 32,600,000.00	
Total Cost - outsourced								**₹ 32,600,000.00**	
Total								**₹ 32,600,000.00**	
GST 18%								**₹ 5,868,000.00**	
Total Fund Required inclusive of 18% GST								**₹ 3,84,68,000.00**	
								3.85 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 18 B

Preliminary Exploration (G3) for Potash and Halite Minerals in Kandhwala- Ramsara Block, Fazilka District, Punjab

SCHEDULE TIME FOR THE PROPOSED G-3 LEVEL EXPLORATION

S. No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Drilling (330 m non-coring followed by core drilling beyond 330m) (2 rigs)												

*** Time loss on account of monsoon/agricultural activity/forest clearance/local law & order problems will be addition to above time line**

28.04.26

28/04/2026

Agenda 94.4.2. Preliminary Exploration(G-4) for Potash and Halite Minerals in Kera Khera Block, District- Fazilka, Punjab
[Implementing Agency: GSI, Northern Region (NR)]

a. The proposed block falls in SOI TS No. 44 J/04, 44J/08, 44K/01 and 44K/05 and is mostly covered by Quaternary sediments (Older Alluvium of Middle to Late Pleistocene).
b. The subsurface geology based on borehole data from previous studies suggests that Quaternary sediment is encountered upto ~250 m bgl, Tertiary rocks (Marh/Palana Formation) from 252 m to 346, rocks of Nagaur Group from 346 to 456m and Evaporite Group (Cambrian) starts from 456 m to 786 m. Potash bearing minerals are restricted mostly to pink halite of Evaporite Group and its contact zone with Nagaur Group.
c. The Committee was informed that evaporite minerals such as gypsum, anhydrite and halite have been known from Nagaur District and Bikaner District since the 1930s, and subsequent studies by GSI, CGWB and other agencies identified the Nagaur-Ganganagar Basin as geologically favourable for potash-bearing marine evaporite deposits.
d. The Committee was further informed that earlier exploration in Punjab and Haryana through boreholes established the occurrence of evaporite horizons comprising anhydrite, gypsum, halite, dolomite, limestone and marl within the Punjab Evaporite Basin.
e. The Committee observed that reconnaissance drilling during 2019–21 in the Sherewala-Shergarh-Ramsara area established subsurface continuity of potash and halite mineralisation, with estimated resources of 409.32 million tonnes of potash at 2% K cut-off, 300.15 million tonnes at 3% K cut-off, and 1470.88 million tonnes of halite under reconnaissance category.
f. Based on above background, Geological Survey of India has proposed Reconnaissance Survey (G4) for potash and halite minerals in Kera-Khera Block in Fazilka District, Punjab.
g. GSI has proposed the project to establish the sub-surface continuity of potash mineralisation in the Evaporite Basin falling in south-western Punjab.
h. The project was approved in 65th meeting of CGPB.
i. The proposal envisages a total drilling programme of 4250 m comprising 1650 m of non-core drilling and 2600 m of core drilling in 5 boreholes.
j. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "*Reconnaissance Survey (G4) For Potash and Halite Minerals in Kera Khera Block, Fazilka District, Punjab*" for approval of PSC, NMEDT with an estimated cost of Rs. 384.68 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 19A & 19B. The item will be reviewed after 3 , 6 and 9 months

28.04.26

28/04/2026

ANNEXURE 19A

Reconnaissance Survey (G4) For Potash and Halite Minerals in Kera Khera Block, Fazilka District, Punjab
Timeline: upto 31.03.2027, Review after 3, 6 and 9 months. Total Drilling Meterage: 4250 m; No. of BH: 5

	1	**Drilling**	**4250 m**						
Item of Work			**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025**		**Estimated Cost**		**Remarks**
							Qty.	**Total Amount (Rs)**	
Drilling - OUT SOURCED									
		Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrese by 20%	m	2.2.1.1d		10,000.00	2600	₹ 26,000,000.00	
		Non coring drilling	m	2.2.4		4,000.00	1650	₹ 6,600,000.00	
		Total Drilling cost						₹ 32,600,000.00	
Total Cost - outsourced								**₹ 32,600,000.00**	
Total								**₹ 32,600,000.00**	
GST 18%								**₹ 5,868,000.00**	
Total Fund Required inclusive of 18% GST								**₹ 3,84,68,000.00**	
								3.85 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 19B

Reconnaissance Survey (G4) For Potash and Halite Minerals In Kera Khera Block, Fazilka District, Punjab

SCHEDULE TIME FOR THE PROPOSED G-4 LEVEL EXPLORATION

S. No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Drilling (330 m non-coring followed by core drilling beyond 330m) (2 rigs)												

*** Time loss on account of monsoon/agricultural activity/forest clearance/local law & order problems will be addition to above time line**

28.04.26

28/04/2026

Agenda 94.4.3. Preliminary Exploration(G-4) for Potash and Halite Minerals in Saiyadwala Block, District- Fazilka, Punjab

[Implementing Agency: GSI, Northern Region (NR)]

a. The proposed block falls in SOI TS No. 44 J/04 and is mostly covered by Quaternary sediments (Older Alluvium of Middle to Late Pleistocene).
b. The subsurface geology based on borehole data from previous studies suggests that Quaternary sediment is encountered upto ~250 m bgl, Tertiary rocks (Marh/Palana Formation) from 252 m to 346, rocks of Nagaur Group from 346 to 456m and Evaporite Group (Cambrian) starts from 456 m to 786 m. Potash bearing minerals are restricted mostly to pink halite of Evaporite Group and its contact zone with Nagaur Group.
c. The Committee was further informed that earlier exploration in Punjab, Haryana and adjoining Rajasthan established the presence of potash-bearing evaporite horizons through boreholes HP-1, HP-2 and HP-3, with significant evaporite intersections including halite, polyhalite, anhydrite and associated sediments.
d. Subsequent drilling in Qabrwala Block and Sherewala-Shergarh-Ramsra Block indicated encouraging potash mineralisation, with estimated reconnaissance resources of 409.32 million tonnes at 2% K cut-off and 300.15 million tonnes at 3% K cut-off.
e. The Committee was apprised that recent scout drilling in Shergarh-Dalmirkhera Block further confirmed the continuity of potash mineralisation and estimated resources of 202.45 million tonnes at 2% cut-off, along with higher-grade zones of 22.86 million tonnes at 5% cut-off and 4.86 million tonnes at 8% cut-off.
f. Based on above background, Geological Survey of India has proposed Reconnaissance Survey (G4) for potash and halite minerals in Saiyadwala Block in Fazilka District, Punjab.
g. GSI informed that the proposed investigation aims at tracing the lateral continuity of the previously identified area of mineralization (mainly potash) in the Evaporite Basin of Punjab and estimating reconnaissance resources of potash.
h. The project was approved in 65th meeting of CGPB.
i. The proposal envisages a total drilling programme of 4250 m comprising 1650 m of non-core drilling and 2600 m of core drilling in 5 boreholes.
j. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "*Reconnaissance Survey (G4) for Potash and Halite minerals in Saiyadwala Block, Fazilka District, Punjab" *for approval of PSC, NMEDT with an estimated cost of Rs. 384.68 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 20A & 20B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 20A

Reconnaissance Survey (G4) for Potash and Halite minerals in Saiyadwala Block, Fazilka District, Punjab
Timeline: Till 31.03.2027, Review after 3, 6 and 9 months. Total Drilling Meterage: 4250 m; No. of BH: 5

		Item of Work	Unit	SoC-Item -Sl No. NMEDT		Rates as per NMET SoC 2025	Estimated Cost		Remarks
							Qty.	Total Amount (Rs)	
Drilling - OUT SOURCED									
18.b		Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrease by 20%	m	2.2.1.1d		10,000.00	2600	₹ 26,000,000.00	
18.d		Non coring drilling	m	2.2.4		4,000.00	1650	₹ 6,600,000.00	
		Total Drilling cost						₹ 32,600,000.00	
Total Cost - outsourced								**₹ 32,600,000.00**	
Total								**₹ 32,600,000.00**	
GST 18%								**₹ 5,868,000.00**	
Total Fund Required inclusive of 18% GST								**₹ 38,468,000.00**	
								3.85 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 20 B

Reconnaissance Survey (G4) for Potash and Halite minerals in Saiyadwala Block, Fazilka District, Punjab

SCHEDULE TIME FOR THE PROPOSED G-4 LEVEL EXPLORATION

S. No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Drilling (330 m non-coring followed by core drilling beyond 330m) (2 rigs)												

*** Time loss on account of monsoon/agricultural activity/forest clearance/local law & order problems will be addition to above time line**

28.04.26

28/04/2026

Agenda 94.4.4. Preliminary (G-4) Exploration for Potash and Halite Minerals in Sajrana Block, District- Fazilka, Punjab

[Implementing Agency: GSI, Northern Region (NR)]

a. The proposed block falls in SOI TS No. 44 J/03 and is mostly covered by Quaternary sediments (Older Alluvium of Middle to Late Pleistocene).
b. The subsurface geology based on borehole data from previous studies suggests that Quaternary sediment is encountered upto ~250 m bgl, Tertiary rocks (Marh/Palana Formation) from 252 m to 346, rocks of Nagaur Group from 346 to 456m and Evaporite Group (Cambrian) starts from 456 m to 786 m. Potash bearing minerals are restricted mostly to pink halite of Evaporite Group and its contact zone with Nagaur Group.
c. The Committee was further informed that earlier exploration in Punjab, Haryana and adjoining Rajasthan established the presence of potash-bearing evaporite horizons through boreholes HP-1, HP-2 and HP-3, with significant evaporite intersections including halite, polyhalite, anhydrite and associated sediments.
d. Subsequent drilling in Qabrwala Block and Sherewala-Shergarh-Ramsra Block indicated encouraging potash mineralisation, with estimated reconnaissance resources of 409.32 million tonnes at 2% K cut-off and 300.15 million tonnes at 3% K cut-off.
e. The Committee was apprised that recent scout drilling in Shergarh-Dalmirkhera Block further confirmed the continuity of potash mineralisation and estimated resources of 202.45 million tonnes at 2% cut-off, along with higher-grade zones of 22.86 million tonnes at 5% cut-off and 4.86 million tonnes at 8% cut-off.
f. Based on above background, Geological Survey of India has proposed Reconnaissance Survey (G4) for potash and halite minerals in Sajrana Block in Fazilka District, Punjab.
g. GSI informed that the proposed investigation aims at tracing the lateral continuity of the previously identified area of mineralization (mainly potash) in the Evaporite Basin of Punjab and estimating reconnaissance resources of potash.
h. The project was approved in 65th meeting of CGPB.
i. The proposal envisages a total drilling programme of 4250 m comprising 1650 m of non-core drilling and 2600 m of core drilling in 5 boreholes.
j. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "*Reconnaissance Survey (G4) for Potash and Halite Minerals in Sajrana Block, Fazilka District, Punjab" *for approval of PSC, NMEDT with an estimated cost of Rs. 384.68 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 21A & 21B. The item will be reviewed after 3, 6 and 9 months

28.04.26

28/04/2026

ANNEXURE 21A

Reconnaissance Survey (G4) for Potash and Halite Minerals in Sajrana Block, Fazilka District, Punjab
Timeline: till 31.03.2027, Review after 3, 6 and 9 months. Total Drilling Meterage: 4250 m; No. of BH: 5

Item of Work	Unit	SoC-Item -Sl No. NMEDT	Rates as per NMET SoC 2025	Estimated Cost		Remarks
				Qty.	Total Amount (Rs)	
Drilling - OUT SOURCED						
Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrese by 20%	m	2.2.1.1d	10,000.00	2600	₹ 26,000,000.00	
Non coring drilling	m	2.2.4	4,000.00	1650	₹ 6,600,000.00	
Total Drilling cost					₹ 32,600,000.00	
Total Cost -outsourced					**₹ 32,600,000.00**	
Total					**₹ 32,600,000.00**	
GST 18%					**₹ 5,868,000.00**	
Total Fund Required inclusive of 18% GST					**₹ 38,468,000.00**	
					3.85 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 21B

Scheduled Timeline for Reconnaissance Survey (G4) for Potash and Halite Minerals in Sajrana Block, Fazilka District, Punjab

S. No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Drilling (330 m non-coring followed by core drilling beyond 330m) (2 rigs)												

*** Time loss on account of monsoon/agricultural activity/forest clearance/local law & order problems will be addition to above time line**

28.04.26

28/04/2026

Agenda 94.4.5. General Exploration (G-2) For REE and Associated Mineralisation in the East of Gugrot Block, Balotra District, Rajasthan

[Implementing Agency: GSI, Western Region (WR)]

a. The proposed block falls in SOI TS No. 45C/6 and mostly exposes rocks of Malani Igneous Suite of rocks comprising of Siwana Rhyolite and Siwana peralkaline granite with minor outcrops of basalt.
b. The Committee was informed that G4 stage investigations by the Geological Survey of India in and around the Siwana Area reported anomalous REE values in rhyolites and tuffs, with values ranging from 1334–2692 ppm at Bhimgoda Pahar and 1075–3319 ppm at Koiliyasar-Ka-Pahar, along with enrichment of LREE, Zr, Nb, Th, U and Ag in surface samples.
c. It was further apprised that subsequent exploration in the Siwana Ring Complex reported encouraging ΣREE+Y values of 142.3 ppm to 0.85% in the northern plutonic sector, while in the southern sector values ranged from 0.029–0.70% in granites, 0.019–2.66% in younger intrusives, 0.015–0.96% in felsic volcanics and 0.022–1.27% in enclaves/soils.
d. Recent studies in the Sukleswar Ka Mandir and Gugrot areas established promising resources, including TREE 0.0349–0.046 MT, TREE+Y 0.170–0.179 MT, Nb 0.194 MT, Hf 0.351 MT, Zr 0.274 MT, and ΣREE+Y values of 135–74,002 ppm, with estimated ΣREE+Y resources of 1.36–1.63 MT and Ta_2O_5+Nb_2O_5 resources of 3.27–4.07 MT.
e. During FS 2023–24, Geological Survey of India carried out G-3 stage investigation in the proposed block by drilling 19 vertical boreholes, each of 125 m depth, on a 400 m × 200 m grid covering 1.8 sq km.
f. The investigation established inferred resources of ∑REE+Y – 25.52 MT @ 0.29% (cut-off 0.25%), Nb – 27.51 MT @ 0.027% (cut-off 0.02%), and Zr – 47.55 MT @ 0.43% (cut-off 0.30%).
g. Based on the encouraging G-3 results, the block has been proposed for upgradation to G-2 stage with a cumulative drilling target of 5,500 m through 44 vertical infill boreholes (125 m each) on a 200 m × 100 m grid, following MEMC norms for tabular, lithology-hosted (peralkaline granite/rhyolite) REE mineralisation under UNFC 332.
h. The project was approved in 65th meeting of CGPB.
i. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "General Exploration (G-2) For REE and Associated Mineralization in the East of Gugrot Block, Balotra District, Rajasthan" for approval of PSC, NMEDT with an estimated cost of Rs. 649.00 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 22A & 22B. The item will be reviewed after 3, 6 and 9 months

28.04.26

28/04/2026

ANNEXURE 22A

General Exploration (G2) for REE and associated mineralisation in the East of Gugrot Block, Balotra District, Rajasthan
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months. Total Drilling meterage: 5500 m; No. of BH: 44

Item of Work	Unit	SoC-Item - Sl No. NMEDT	Rates as per NMET SoC 2025	Estimated Cost		Remarks
				Qty.	Total Amount (Rs)	
Drilling - OUT SOURCED						
Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrese by 20%	m	2.2.1.1d	10,000.00	5500	₹ 55,000,000.00	
Total Cost - outsourced					**₹ 55,000,000.00**	
Total (Survey Work + Drilling)					**₹ 55,000,000.00**	
GST 18%					**₹ 9,900,000.00**	
Total Fund Required inclusive of 18% GST					**₹ 64,900,000.00**	
					~ 6.49 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 22 B

Scheduled time for General Exploration (G2) for REE and associated mineralisation in the East of Gugrot Block, Balotra District, Rajasthan

S.No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Core drilling												

***Time loss on account of monsoon/agricultural activity/forest clearance/ local law & order problems will be addition to above time line.**

28.04.26

28/04/2026

Agenda 94.4.6. Preliminary (G-3) Exploration for REE and Associated Mineralisation in The East of Thapan Block, Balotra District, Rajasthan

[Implementing Agency: GSI, Western Region (WR)]

a. The proposed block falls in SOI TS No. 45C/6. The proposed block is situated within the Siwana Ring Complex of western Rajasthan, a part of the Neoproterozoic Malani Igneous Suite that has emerged as a promising REE- and rare-metal-fertile peralkaline igneous province.
b. Peralkaline granites, associated felsic volcanics, and younger intrusive phases in the Siwana area are known to host anomalous concentrations of REE together with associated elements such as Nb, Zr, Hf.
c. The present proposal aims to verify the subsurface continuity of mineralised zones identified during earlier studies and to upgrade the block to G-3 level. The proposal, aligned with the annual plan of GSI, focuses on establishing the grade, thickness and continuity of REE and associated mineralization.
d. The Committee was apprised that preliminary sampling of rhyolites and associated tuffs from Bhimgoda Pahar and Koiliyasar-Ka-Pahar in the Siwana Ring Complex recorded anomalous ΣREE values of 1,334–2,692 ppm and 1,075–3,319 ppm, respectively, along with elevated values of LREE, Zr, Nb, Th, U and Ag.
e. Subsequent G4 stage investigations reported encouraging ∑REE+Y values in various lithologies, namely plagioclase-rich granite (0.029–0.70%), K-feldspar granite (0.047–0.66%), younger intrusives (0.019–2.66%), felsic volcanics (0.015–0.96%), and enclave/restite/soil (0.022–1.27%).
f. The Committee noted that REE distribution is characterised by clear dominance of LREE over HREE (approximately 4:1), along with encouraging values of associated elements such as Zr, Nb, Ba, Zn, U, Th and Hf, indicating significant exploration potential of the area.
g. Based on the above background, the agency has proposed Detailed mapping on 1:2000 scale alongwith drilling of 48 vertical boreholes.
h. The spacing of boreholes will be 400m*200m. Tentative depth of each first level boreholes is 100m. Three boreholes will be drilled upto 200m.
i. The project was approved in 65th meeting of CGPB.
j. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary (G-3) Exploration for REE and Associated Mineralisation in The East of Thapan Block, Balotra District, Rajasthan" for approval of PSC, NMEDT with an estimated cost of Rs. 625.38 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 23A & 23B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 23A

Preliminary (G3) exploration for REE and associated mineralisation in the East of Thapan block, Balotra District, Rajasthan
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months. Total Drilling meterage: 5100 m; No. of BH: 48

Item of Work			Unit	SoC-Item -Sl No. NMEDT		Rates as per NMET SoC 2025	Estimated Cost		Remarks
							Qty.	Total Amount (Rs)	
A. SURVEY WORK									
9	a	Demarcation of lease boundary , Fixation of boreholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of laborers deployed for the work)- use of CORS Network system for all DGPS is compulsory	Per Point of observation	1.3.2		**24,000.00**	57	₹ 1,368,000.00	BH points 48 + 9 Cardinal Points
9	b	Charges of one qualified surveyor with Total station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co-ordinates and reduced Level (RL) of the boreholes with total station etc. a) Charges of one surveyor per day (without labour) (Upto 4 labourers will be allowed per survyor)	one surveyor per day	1.3.1		**10,500.00**	30	₹ 315,000.00	
	c	Labour Charges for Survey work	Per day	As per Govt rates		**556.00**	120	₹ 66,720.00	
9	d	Drone Topographic Survey	per sq.km	7b		70,000.00	3.55	₹ 248,500.00	

28.04.26

28/04/2026

Total Cost A (in case of out sourcing)								**₹ 1,998,220.00**	
B. Drilling - OUT SOURCED									
18.b		Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrese by 20%	m	2.2.1.1d		10,000.00	5100	₹ 51,000,000.00	
Total Cost B- outsourced								**₹ 51,000,000.00**	
Total (Survey Work + Drilling)								**₹ 52,998,220.00**	
GST 18%								**₹ 9,539,679.60**	
Total Fund Required inclusive of 18% GST								**₹ 62,537,899.60**	
								~ 6.25 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 23B

Scheduled time for Preliminary exploration (G3) for REE and associated mineralisation in the East of Thapan block, Balotra District, Rajasthan

S.No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Geological Mapping (1:2000)												
2	Drone topographic Survey												
3	Core drilling												

***Time loss on account of monsoon/agricultural activity/forest clearance/ local law & order problems will be addition to above time line.**

28.04.26

28/04/2026

Agenda 94.4.7. Preliminary (G-3) Exploration for REE and Associated Mineralisation in Muthli Block, Balotra District, Rajasthan
[Implementing Agency: GSI, Western Region (WR)]

a. The block forms part of the Siwana Ring Complex of the Malani Igneous Suite, a recognised peralkaline igneous province with encouraging REE and associated rare metal potential.
b. Previously, GSI investigations in Siwana reported anomalous total REE+Y values in rhyolites, felsic dykes, granites and associated rock units, along with encouraging Zr, Nb, U, Th and Hf values.
c. Flow units and felsic dykes in the northern part of the complex, including the proposed area, have yielded strong surface geochemical anomalies and therefore warrant subsurface testing.
d. The Committee was apprised that preliminary sampling of rhyolites and associated tuffs of the Siwana Ring Complex by Geological Survey of India during 2013–14 indicated anomalous REE values, with total REE ranging from 1,334 to 2,692 ppm in Bhimgoda Pahar and 1,075 to 3,319 ppm in Koiliyasar-ka-Pahar.
e. It was further noted that large-scale geological mapping (1:12,500 scale) at the northern periphery of the Siwana Ring Complex from Sainji ki Beri to Meli area identified 32 rhyolitic flows along with several felsic dykes, many of which were found to be highly enriched in total REE concentration.
f. Chemical analysis of rhyolite samples yielded ΣREE+Y values of 91.76 ppm to 9,764.68 ppm (average 1,844.84 ppm) with ΣHREE/ΣLREE ratio of 0.15; 22 BRS samples from felsic/rhyolite dykes yielded 144.77 ppm to 7,678.75 ppm (average 1,400.14 ppm), while channel samples recorded 261.73 ppm to 6,224.81 ppm with ΣHREE/ΣLREE ratio of 0.19.
g. Based on the above background, the agency has proposed Detailed mapping on 1:2000 scale alongwith drilling of 54 vertical boreholes.
h. The spacing of boreholes will be 400m*200m. Tentative depth of each first level boreholes is 100m including few deeper boreholes. The project was approved in 65th meeting of CGPB.
i. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) For REE and Associated Mineralisation in Muthli Block, Balotra District, Rajasthan" for approval of PSC, NMEDT with an estimated cost of Rs. 696.67 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 24A & 24B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 24 A

Preliminary Exploration (G3) For REE and Associated Mineralisation in Muthli Block, Balotra District, Rajasthan
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months. Total Drilling meterage: 5700 m; No. of BH: 54

Item of Work			Unit	SoC-Item -Sl No. NMEDT		Rates as per NMET SoC 2025	Estimated Cost		Remarks
							Qty.	Total Amount (Rs)	
B. SURVEY WORK									
9	a	Demarcation of lease boundary, Fixation of borholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of labourers deployed for the work)- use of CORS Network sstem for all DGPS is compulsary	Per Point of observation	1.3.2		**24,000.00**	58	₹ 13,92,000.00	
	b	Charges of one qualified surveyor with Total station for carrying out topographical survey in different RF and survace contouring at different interval, fixation of borehole and determination of co-ordinates and reduced Level (RL) of the boreholes with total station etc. a) Charges of one surveyor per day (without labour) (Upto 4 labourers will be allowed per survyor)	one surveyor per day	1.3.1		**10,500.00**	30	₹ 315,000.00	
	c	Labour Charges for Survey work	Per day	As per Govt rates		**556.00**	120	₹ 66,720.00	
9	d	Drone Topographic Survey	per sq.km	7b		70,000.00	3.8	₹ 266,000.00	
Total Cost B (in case of out sourcing)								**₹ 2,039,720.00**	
D. Drilling - OUT SOURCED									
18.b		Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrese by 20%	m	2.2.1.1d		10,000.00	5700	₹ 57,000,000.00	
Total Cost D- outsourced								**₹ 57,000,000.00**	
Total (Survey Work + Drilling)								**₹ 59,039,720.00**	

28.04.26

28/04/2026

GST 18%								**₹ 10,627,149.60**	
Total Fund Required inclusive of 18% GST								**₹ 69,666,869.60**	
								6.97 Cr	

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 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.**

28.04.26

28/04/2026

Annexure 24B

Scheduled time for Preliminary Exploration (G3) For REE and Associated Mineralisation in Muthli Block, Balotra District, Rajasthan

S.No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Geological Mapping (1:2000)												
2	Drone topographic Survey												
3	Core drilling												

***Time loss on account of monsoon/agricultural activity/forest clearance/ local law & order problems will be addition to above time line.**

28.04.26

28/04/2026

Agenda 94.4.8. Preliminary Exploration (G-3) For REE and Associated Mineralisation in Northeast of Muthli Block, Balotra District, Rajasthan

[Implementing Agency: GSI, Western Region (WR)]

a. The proposed block falls in SOI TS No. 45C/6. The proposed block is situated within the Siwana Ring Complex of western Rajasthan, a part of the Neoproterozoic Malani Igneous Suite that has emerged as a promising REE- and rare-metal-fertile peralkaline igneous province.
b. The Committee was apprised that preliminary sampling of rhyolites and associated tuffs of the Siwana Ring Complex by Geological Survey of India during 2013–14 indicated anomalous REE values, with total REE ranging from 1,334 to 2,692 ppm in Bhimgoda Pahar and 1,075 to 3,319 ppm in Koiliyasar-ka-Pahar
c. It was further noted that large-scale geological mapping (1:12,500 scale) at the northern periphery of the Siwana Ring Complex from Sainji ki Beri to Meli area identified 32 rhyolitic flows along with several felsic dykes, many of which were found to be highly enriched in total REE concentration.
d. Chemical analysis of rhyolite samples yielded ΣREE+Y values of 91.76 ppm to 9,764.68 ppm (average 1,844.84 ppm) with ΣHREE/ΣLREE ratio of 0.15; 22 BRS samples from felsic/rhyolite dykes yielded 144.77 ppm to 7,678.75 ppm (average 1,400.14 ppm), while channel samples recorded 261.73 ppm to 6,224.81 ppm with ΣHREE/ΣLREE ratio of 0.19.
e. The Committee was apprised that the proposed block contains small rhyolite outcrops, with surface samples yielding ΣREE+Y values ranging from 2,386 ppm to 3,565 ppm.
f. It was further noted that only about 5% of the area is exposed as outcrop, while the remaining area is covered by aeolian sand of variable thickness.
g. Based on the above background, the agency has proposed Detailed mapping on 1:2000 scale alongwith drilling of 26 vertical boreholes with total drilling meterage of 2800 m.
h. The spacing of boreholes will be 400m*200m. Tentative depth of each first level boreholes is 100m with 2 deeper boreholes of 200 m depth. The project was approved in 65th meeting of CGPB.
i. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G-3) For REE and Associated Mineralisation in Northeast of Muthli Block, Balotra District, Rajasthan" for approval of PSC, NMEDT with an estimated cost of Rs. 343.55 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 25A & 25B. The item will be reviewed after 3, 6 and 9months.

28.04.26

28/04/2026

ANNEXURE 25 A

Preliminary Exploration (G3) for REE and associated mineralisation in North East of Muthli Block, Balotra District, Rajasthan
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months. Total Drilling meterage: 2800 m; No. of BH: 26

		Item of Work	Unit	SoC-Item -Sl No. NMEDT		Rates as per NMET SoC 2025	Estimated Cost		Remarks
							Qty.	Total Amount (Rs)	
B. SURVEY WORK									
9	a	Demarcation of lease boundary , Fixation of borholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of labourers deployed for the work)- use of CORS Network sstem for all DGPS is compulsary	Per Point of observation	1.3.2		**24,000.00**	30	₹ 720,000.00	26 BH points + 4 Cardinal points
9	b	Charges of one qualified surveyor with Total station for carrying out topographical survey in different RF and survace contouring at different interval, fixation of borehole and determination of co-ordinates and reduced Level (RL) of the boreholes with total station etc. a) Charges of one surveyor per day (without labour) (Upto 4 labourers will be allowed per survyor)	one surveyor per day	1.3.1		**10,500.00**	20	₹ 210,000.00	
	c	Labour Charges for Survey work	Per day	As per Govt rates		**556.00**	80	₹ 44,480.00	To be checked
9	d	Drone Topographic Survey	per sq.km	7b		70,000.00	2	₹ 140,000.00	
Total Cost B (in case of out sourcing)								**₹ 1,114,480.00**	
D. Drilling - OUT SOURCED									

28.04.26

28/04/2026

18.b		Drilling in Hard rock Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrese by 20%	m	2.2.1.1d		10,000.00	2800	₹ 28,000,000.00	
Total Cost D- outsourced								**₹ 28,000,000.00**	
Total (Survey Work + Drilling)								**₹ 29,114,480.00**	
GST 18%								**₹ 5,240,606.40**	
Total Fund Required inclusive of 18% GST								**₹ 34,355,086.40**	
								~ 3.44 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 25 B

Scheduled time for Preliminary Exploration (G3) for REE and associated mineralisation in North East of Muthli Block, Balotra District, Rajasthan

S.No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Geological Mapping (1:2000)												
2	Drone topographic Survey												
3	Core drilling												

***Time loss on account of monsoon/agricultural activity/forest clearance/ local law & order problems will be addition to above time line.**

28.04.26

28/04/2026

Agenda 94.4.9. Preliminary Exploration (G-3) For REE and Associated Mineralisation in The North of Muthli Block, Balotra District, Rajasthan

[Implementing Agency: GSI, Western Region (WR)]

a. The block forms part of the Siwana Ring Complex of the Malani Igneous Suite, a recognised peralkaline igneous province with encouraging REE and associated rare metal potential.
b. The Committee was apprised that preliminary Geological Survey of India sampling (2013–14) of Bhimgoda Pahar and Koiliyasar-Ka-Pahar rhyolites/tuffs recorded anomalous ΣREE values of 1,075–3,319 ppm, with LREE: HREE ratio of about 4:1. G4 studies further reported encouraging ∑REE+Y values in plagioclase granite (0.029–0.70%), K-feldspar granite (0.047–0.66%), younger intrusives (0.019–2.66%), felsic volcanics (0.015–0.96%), and enclave/soil (0.022–1.27%).
c. The Committee noted significant associated trace and rare metal values, including Zr (0.1–1.1%), Nb (2.5–1,039 ppm), Ba (25–3,948 ppm), Zn (120–1,258 ppm), U (0.61–124 ppm), Th (2–481 ppm) and Hf (4.52–828 ppm). It was further reported that peralkaline–peraluminous (A-type) granites occur across Siwana, with REE-bearing minerals such as parisite, monazite, haematite, ilmenite and zircon identified in plutonic and volcanic rocks.
d. Granite samples yielded 183–8,611 ppm REE (average 2,007 ppm, n=84), volcanic rocks 142–8,503 ppm (average 2,008 ppm, n=116), while Sukleswar Ka Mandir block recorded tREE up to 2,996 ppm. Large-scale mapping of the northern Siwana periphery identified 32 rhyolitic flows and felsic dykes, with rhyolite ΣREE+Y values of 92–9,765 ppm (average 1,845 ppm) and highly enriched flows 14 and 15 recording 6,944–7,528 ppm and 2,213–8,028 ppm, respectively.
e. Based on the above background, the agency has proposed Detailed mapping on 1:2000 scale alongwith drilling of 40 vertical boreholes with total drilling meterage of 4200 m.
f. The spacing of boreholes will be 400m*200m. Tentative depth of each first level boreholes is 100m including few deeper boreholes. The project was approved in 65th meeting of CGPB.
g. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G-3) For REE and Associated Mineralisation in The North of Muthli Block, Balotra District, Rajasthan" for approval of PSC, NMEDT with an estimated cost of Rs. 516.14 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 26A & 26B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 26 A

Proposal for Preliminary Exploration (G3) for REE and associated mineralisation in the North of Muthli Block, Balotra District, Rajasthan
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months. Total Drilling meterage: 4200 m; No. of BH: 40

		Drilling	**4200 m**						
Item of Work			**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025**		**Estimated Cost**		**Remarks**
							Qty.	**Total Amount (Rs)**	
B. SURVEY WORK									
9	a	Demarcation of lease boundary , Fixation of borholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of labourers deployed for the work)- use of CORS Network sstem for all DGPS is compulsary	Per Point of observation	1.3.2		**24,000.00**	50	₹ 1,200,000.00	Cardinal Points: 10 + BH points 40
9	b	Charges of one qualified surveyor with Total station for carrying out topographical survey in different RF and survace contouring at different interval, fixation of borehole and determination of co-ordinates and reduced Level (RL) of the boreholes with total station etc. a) Charges of one surveyor per day (without labour) (Upto 4 labourers will be allowed per survyor)	one surveyor per day	1.3.1		**10,500.00**	26	₹ 273,000.00	
	c	Labour Charges for Survey work	Per day	As per Govt rates		**556.00**	104	₹ 57,824.00	

28.04.26

28/04/2026

9	d	Drone Topographic Survey	per sq.km	7b		70,000.00	3	₹ 210,000.00	
Total Cost B (in case of out sourcing)								**₹ 1,740,824.00**	
D. Drilling - OUT SOURCED									
18.b		Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrese by 20%	m	2.2.1.1d		10,000.00	4200	₹ 42,000,000.00	
Total Cost D- outsourced								**₹ 42,000,000.00**	
Total (Survey Work + Drilling)								**₹ 43,740,824.00**	
GST 18%								**₹ 7,873,348.32**	
Total Fund Required inclusive of 18% GST								**₹ 51,614,172.32**	
								~ 5.16 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 26 B

Scheduled time for Preliminary Exploration (G3) for REE and associated mineralisation in the North of Muthli Block, Balotra District, Rajasthan

S.No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Geological Mapping (1:2000)												
2	Drone topographic Survey												
3	Core drilling												

***Time loss on account of monsoon/agricultural activity/forest clearance/ local law & order problems will be addition to above time line.**

28.04.26

28/04/2026

Agenda 94.4.10. General Exploration (G2) For Gold and Associated Mineralization in Amrapur West Block, Hungund-Kushtagi Schist Belt, Eastern Dharwar Craton, Koppal District, Karnataka

[Implementing Agency: GSI, Southern Region (SR)]

a. The proposed block falls in SOI TS No. 57A/05 and forms part of the Hungund Kushtagi schist belt (HKSB), in the Eastern Dharwar Craton.
b. The Committee was apprised that one of the scout boreholes drilled under the RMT item during FS 2019–22 identified an encouraging gold mineralised zone in the Amrapur Block.
c. Subsequently, a G3 stage investigation taken up during FS 2023–25 delineated a discontinuous mineralised body with an approximate strike length of 2.5 km and maximum width of 6.5 m, intersected in boreholes KKA-1 to KKA-15.
d. It was further noted that a G2 stage investigation in the central part of the G3 block (Amrapur Central Block) was taken up during FS 2025–26, and the western part is now proposed for FS 2026–27 over 0.95 sq. km (Amrapur West Block) to assess depth persistency and strike continuity of the mineralised zones.
e. Based on the above background, the agency has proposed drilling of 19 inclined boreholes with total drilling meterage of 3500 m.
f. Initially 6 first level boreholes will be carried out as an infilling borehole at 100m spacing considering the boreholes drilled during G3 level exploration and 11 second level boreholes will be carried out at 100m interval and two third level boreholes are planned to check the depth persistency.
g. The project was approved in 65th meeting of CGPB.
h. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "General Exploration (G2) For Gold and Associated Mineralization in Amrapur West Block, Hungund-Kushtagi Schist Belt, Eastern Dharwar Craton, Koppal District, Karnataka" for approval of PSC, NMEDT with an estimated cost of Rs. 413.0 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 27A & 27B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 27 A

General exploration (G2) for gold and associated mineralization in Amrapur West block, Hungund-Kushtagi Schist Belt, Eastern Dharwar Craton, Koppal district, Karnataka
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months (G2 Stage) Total Drilling meterage: 3500 m; No. of BH: 19

1	**Drilling**	**3500 m**					
Sl. NO	**Item of Work**	**Unit**	**Rates as per NMET SoC**		**Total Cost of the Project**		**Remarks**
			SoC- Item- S. No.	**Rates as per SoC**	**Qty.**	**Total Amount (Rs)**	
C	**DRILLING**						
a	Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole up to 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrease by 20%	m	2.2.1.1d	₹ 10,000.00	3500	₹ 35,000,000.00	
Sub-Total C						**₹ 35,000,000.00**	
Total (Drilling)						**₹ 35,000,000.00**	
GST 18%						**₹ 6,300,000.00**	
Total Fund Required inclusive of 18% GST						**₹ 41,300,000.00**	
						~ 4.13 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 27 B

Scheduled time for General exploration (G2) for gold and associated mineralization in Amrapur West block, Hungund-Kushtagi Schist Belt, Eastern Dharwar Craton, Koppal district, Karnataka.

S.No.	Activities	Apr-26	May-26	JUN 2026	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Core drilling (2 rig)												

***Commencement of project will be reckoned from the day the exploration acreages is available along with all statutory clearances.**

***Time loss on account of monsoon / agricultural activity/ forest clearance/ local law & order problems will be addittion to above time line.**

28.04.26

28/04/2026

Agenda 94.4.11. Preliminary Exploration (G3) For REE and Associated Mineralization in Carbonatite-Phoscorite in Chintalacheruvu Block, Palnadu District, Andhra Pradesh
[Implementing Agency: GSI, Southern Region (SR)]

a. The investigation area falls within toposheet 57M/09 and comprises rocks belonging to PGC of Archaean to Paleoproterozoic age, Nallamalai Group of Cudappah sediments and Udaigiri Group of Nellore Schist Belt (NSB) of Mesoproterozoic age with presence of rift-related alkaline bodies.
b. The Committee was apprised that in Andhra Pradesh, a few carbonatite bodies have been reported along the contact between the EGMB and Udayagiri–Vinjamuru tectonic domains of the Nellore Schist Belt, of which Chintalacheruvu carbonatite is one of the prominent occurrences.
c. It was further informed that a G4 stage exploration in the Chintalacheruvu area was recently carried out during FS 2023–24, based on anomalous TREE values up to 7,953 ppm recorded within carbonatite/phoscorite bodies near Chintalacheruvu village.
d. The analyses of surface and subsurface samples generated during the G4 investigation indicated significant REE potential of the area, with maximum reported REE values of 7,240 ppm in phoscorite and 7,386 ppm in carbonatite.
e. Considering the potential for carbonatite hosted REE and associated mineralization, Preliminary Exploration (G3) is proposed in Chintalacheruvu block which includes 2600m drilling in 23 boreholes (20 first level and 03 second level).
f. The project was approved in 65th meeting of CGPB.
g. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) For REE and Associated Mineralization in Carbonatite-Phoscorite in Chintalacheruvu Block, Palnadu District, Andhra Pradesh" for approval of PSC, NMEDT with an estimated cost of Rs. 319.52 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 28A & 28B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 28 A

Preliminary Exploration (G3) for REE and associated mineralization in Carbonatite-Phoscorite in Chintalacheruvu block, Palnadu district, Andhra Pradesh
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 2600 m; No. of BH: 23

1	Drilling	2600 m					
Sl. NO	**Item of Work**	**Unit**	**Rates as per NMET SoC**		**Total Cost of the Project**		**Remarks**
			SoC- Item- S. No.	**Rates as per SoC**	**Qty.**	**Total Amount (Rs)**	
1	**DRILLING**						
a	Drilling in/ Drilling in Hard rock/ Strata	m	2.2.1.1d	₹ 10,000.00	2600	₹ 26,000,000.00	
Sub-Total 1						**₹ 26,000,000.00**	
2	**Survey WORK**						
a	Demarcation of lease boundary, Fixation of boreholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of labourers deployed for the work)- use of CORS Network system for all DGPS is compulsory	Per Point atio n	1.3.2	₹ 24,000.00	29	₹ 696,000.00	23 BH point + 6 Cardinal point
b	Charges of one qualified surveyor with Total station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co-ordinates and reduced	one surveyor per day	1.3.1	₹ 10,500.00	30	₹ 315,000.00	
c	Labours Charges for survey work;	day	as per Govt rates	₹ 556.00	120	₹ 66,720.00	To be checked

28.04.26

28/04/2026

Sub-Total 2						**₹ 1,077,720.00**	
Total (Drilling + Survey Work)						**₹27,077,720.00**	
GST 18%						**₹ 4,873,989.60**	
Total Fund Required inclusive of 18% GST						**₹31,951,709.60**	
						~ 3.20 Cr	
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 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.**						

28.04.26

28/04/2026

ANNEXURE 28 B

Scheduled time for Preliminary Exploration (G3) for REE and associated mineralization in Carbonatite-Phoscorite in Chintalacheruvu block, Palnadu district, Andhra Pradesh

S.No.	Activities	Apr-26	May-26	JUN 2026	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Geological mapping												
2	Drilling												

***Commencement of project will be reckoned from the day the exploration acreages is available along with all statutory clearances.**

***Time loss on account of monsoon / agricultural activity/ forest clearance/ local law & order problems will be addittion to above time line.**

28.04.26

28/04/2026

Agenda 94.4.12. Preliminary Exploration (G3) For Tungsten and Associated Mineralization in Ghattihosahalli Area, Chitradurga District, Karnataka

[Implementing Agency: GSI, Southern Region (SR)]

a. The proposed area falls under Survey of India toposheet numbers 57B/04, 57B/08, 57C/01 and 57C/05 and lies within the Western Dharwar Craton (WDC).
b. The committee was informed that earlier reconnaissance surveys has identified four interpreted gold incidence zones, while quartz veins near Ghattihosahalli recorded encouraging molybdenum values up to 7,707 ppm.
c. Large-scale mapping in Ghattihosahalli during FS 2022–23 delineated three mineralised zones over about 100 sq. km, with significant Cu up to 0.45%, Mo up to 0.27%, W up to 1,559 ppm, Ni up to 1,400 ppm, and BaO up to 18.17 wt.%.
d. G4 investigations during FS 2024–25 identified an approximately 2.5 km long scheelite-bearing tungsten zone, with values up to 0.91 wt.% WO_3 (9,100 ppm), indicating structurally controlled hydrothermal tungsten mineralisation.
e. The Committee was further apprised that the proposed G3 level exploration in the Ghattihosahalli Block is planned to be executed in two systematic phases.
f. Phase-I will include detailed geological mapping on 1:2000 scale, topographic survey, systematic bedrock and channel sampling, pitting/trenching, and integrated ground geophysical investigations to delineate lithological contacts, structural features, alteration zones, and surface manifestations of tungsten mineralisation.
g. Based on Phase-I results, Phase-II will involve systematic exploratory drilling, core logging, and detailed sampling to assess subsurface continuity, grade, and thickness of mineralisation, with 12 first-level boreholes targeting about 30 m vertical depth (60–70 m borehole depth) and 2 second-level boreholes targeting around 60 m vertical depth (110–120 m borehole depth), spaced at approximately 200 m intervals as per G3 norms.
h. The project was approved in 65th meeting of CGPB.
i. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) For Tungsten and Associated Mineralization in Ghattihosahalli Area, Chitradurga District, Karnataka" for approval of PSC, NMEDT with an estimated cost of Rs. 118.0 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 29A & 29B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

							ANNEXURE 29 A
Preliminary exploration (G3) for tungsten and associated mineralization in Ghattihosahalli area, Chitradurga District, Karnataka. Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 1000 m; No. of BH: 14							
1	**Drilling**	**1000 m**					
Sl. NO	**Item of Work**	**Unit**	**Rates as per NMET SoC**		**Total Cost of the Project**		**Remarks**
			SoC- Item- S. No.	**Rates as per SoC**	**Qty.**	**Total Amount (Rs)**	
C	**DRILLING**						
a	Drilling in/ Drilling in Hard rock/ Strata	m	2.2.1.1d	₹ 10,000.00	1000	₹ 10,000,000.00	
Sub-Total C						**₹ 10,000,000.00**	
Total (Drilling)						**₹ 10,000,000.00**	
GST 18%						**₹ 1,800,000.00**	
Total Fund Required inclusive of 18% GST						**₹ 11,800,000.00**	
						~ 1.18 Cr	
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 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.**						

28.04.26

28/04/2026

ANNEXURE 29 B

Scheduled time for Preliminary exploration (G3) for tungsten and associated mineralization in Ghattihosahalli area, Chitradurga District, Karnataka.

S.No.	Activities	Apr-26	May-26	JUN 2026	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Core drilling (2 rig)												

***Commencement of project will be reckoned from the day the exploration acreages is available along with all statutory clearances.**

***Time loss on account of monsoon / agricultural activity/ forest clearance/ local law & order problems will be addittion to above time line.**

28.04.26

28/04/2026

Agenda 94.4.13. General Exploration (G2) For Molybdenum and Associated Mineralization in Marudipatti South Block, Harur-Uttangarai Molybdenum Belt, Dharmapuri District, Tamil Nadu (G2), T.S. 57 L/8

[Implementing Agency: GSI, Southern Region (SR)]

a. The proposed area falls under Survey of India toposheet number 57L/08 and is part of well-established 28 km strike length of Harur-Uthangarai Molybdenum Belt (HUMB) and geologically forms within 200 km long NNE trending Dharmapuri Shear Rift Zone (DSRZ), Southern Granulite Terrain.
b. Earlier exploration in Marudipatti South Block involving geological mapping, geochemical surveys, trenching and drilling recorded significant molybdenum anomalies, with soil samples up to 80 ppm Mo, termite mound samples up to 125 ppm, trench samples up to 1,300 ppm, litho-geochemical samples up to 4,600 ppm, and boreholes intersecting Mo lodes of 1.4–5.8 m thickness grading 0.017–0.077% Mo.
c. Based on previous drilling, earlier reserves were estimated at 0.49 million tonnes @ 0.026% Mo (indicated) and 3.06 million tonnes @ 0.025% Mo (inferred). Subsequent G3 exploration during FS 2024–25 estimated inferred molybdenum resources of 2.307 million tonnes @ 291.96 ppm Mo at 100 ppm cut-off, with higher-grade resources of 0.4276 million tonnes @ 569.32 ppm at 300 ppm cut-off and 0.2354 million tonnes @ 720.63 ppm at 500 ppm cut-off.
d. Additional gold resource estimation at 500 ppb cut-off indicated 0.0532 million tonnes @ 758.44 ppb Au by cross-section method and 0.0515 million tonnes @ 666 ppb Au by L-V section method, indicating associated gold potential in the block.
e. Based on the outcome of G-3 exploration in the Marudipatti South block, GSI has proposed the block for G-2 stage of exploration.
f. The block is proposed with drilling target of 2200m for eight second level boreholes (155±5m for each) at 100m vertical depth with 100m spacing and four third level boreholes (210±10m for each) at 150m vertical depth with 200m spacing.
g. The project was approved in 65th meeting of CGPB.
h. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "General Exploration (G2) For Molybdenum and Associated Mineralization in Marudipatti South Block, Harur-Uttangarai Molybdenum Belt, Dharmapuri District, Tamil Nadu (G2), T.S. 57 L/8" for approval of PSC, NMEDT with an estimated cost of Rs. 266.38 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 30A & 30B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 30 A

General Exploration (G2) for Molybdenum and associated mineralization in Marudipatti South Block, Harur-Uttangarai Molybdenum Belt, Dharmapuri District, Tamil Nadu.
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 2200 m; No. of BH: 12

1	Drilling	2200 m					
Sl. NO	**Item of Work**	**Unit**	**Rates as per NMET SoC**		**Total Cost of the Project**		**Remarks**
			SoC- Item- S. No.	**Rates as per SoC**	**Qty.**	**Total Amount (Rs)**	
1	**DRILLING**						
a	Drilling in/ Drilling in Hard rock/ Strata: HQ size borehole up to 400m Depth and NQ Size beyond 400m depth in case of NQ size drilling is done before 400m depth, the rate shall decrease by 20%	m	2.2.1.1d	₹ 10,000.00	2200	₹ 22,000,000.00	
Sub-Total 1							
2	**Survey WORK**						
a	Demarcation of lease boundary, Fixation of boreholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of labourers deployed for the work)- use of CORS Network system for all DGPS is compulsory	Per Point ation	1.3.2	₹ 24,000.00	16	₹ 384,000.00	12 BH point + 4 Cardinal points
b	Charges of one qualified surveyor with Total station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co-ordinates and reduced	one surveyor per day	1.3.1	₹ 10,500.00	15	₹ 157,500.00	
c	Labours Charges for survey work;	day	as per Govt rates	₹ 556.00	60	₹ 33,360.00	To be checked
Sub-Total G						**₹ 574,860.00**	
Total (Survey Work + Drilling)						**₹ 22,574,860.00**	
GST 18%						**₹ 4,063,474.80**	
Total Fund Required inclusive of 18% GST						**₹ 26,638,334.80**	
						~ 2.66 Cr	

28.04.26

28/04/2026

	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 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.**

28.04.26

28/04/2026

ANNEXURE 30 B

Scheduled time for General Exploration (G2) for Molybdenum and associated mineralization in Marudipatti South Block, Harur-Uttangarai Molybdenum Belt, Dharmapuri District, Tamil Nadu.

S.No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Core drilling (2 rig)												

***Commencement of project will be reckoned from the day the exploration acreages is available along with all statutory clearances.**

***Time loss on account of monsoon / agricultural activity/ forest clearance/ local law & order problems will be addittion to above time line.**

28.04.26

28/04/2026

Agenda 94.4.14. Preliminary Exploration for Coal in Dahegaon Sector, Wardha Valley Coalfield, Yavatmal District, Maharashtra
[Implementing Agency: GSI, Central Region (CR)]

a. The proposed area falls under Survey of India toposheet number 55L/12 and 16 and is situated in the northwestern part of Wardha Valley Coalfield.
b. The Committee was apprised that in the Dahegaon area during FS 2024–25, two regional Barakar coal seams/zones, namely Middle and Bottom, were intersected at depths ranging from 201.60 m to 577.20 m.
c. Individual seam thickness varied from 0.50 m to 3.95 m, with cumulative coal thickness of 8.85 m in borehole WDH-1 and 5.36 m in borehole WDH-3.
d. Coal quality studies indicated ash content of 21.23%–38.07%, moisture of 5.09%–8.52%, and GCV of 3961–5704 kcal/kg corresponding to G-6 to G-12 grade, with total reconnaissance resources estimated at 191.98 million tonnes.
e. Based on encouraging results of Dahegaon Area (FS 2024–25), GSI has been proposed to upgrade the Dahegaon Area (G4) to Dahegaon Sector (G3) for establishing strike and dip continuity of the Barakar coal seams already identified and for assessing the coal potentiality of the area.
f. Under the proposed Dahegaon Sector programme (FS 2026–27), five boreholes are planned with inter-borehole spacing of 800 m to 1,600 m.
g. The proposed boreholes are expected to range from 500 m to 750 m depth, targeting regional Barakar seams/zones anticipated at depths of 200 m to 650 m within the Barakar Formation. A total of 2400 m of drilling is proposed across 6 Boreholes.
h. The project was approved in 65th meeting of CGPB.
i. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration for Coal in Dahegaon Sector, Wardha Valley Coalfield, Yavatmal District, Maharashtra" for approval of PSC, NMEDT with an estimated cost of Rs. 225.85 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 31A & 31B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 31 A

Preliminary exploration (G3) for coal in Dahegaon Sector, Wardha Valley Coalfield, Yavatmal District, Maharashtra
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 2400 m; No. of BH: 6

	1	**Drilling**	**2400 m**						

Item of Work	**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025-26**	**Estimated Cost**		**Remarks**
				Qty.	**Total Amount (Rs)**	
B. SURVEY WORK						
Item of Work	**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025-26**	**Estimated Cost**		
				Qty.	**Total Amount (Rs)**	
Drilling for Coal	m	2.2.1.1b	7,975.00	2400	₹ 19,140,000.00	
Mechanised Auger Drilling for soft strata upto 30m depth	m	2.2.2.1	4,760.00	0	₹ 0.00	
Total Cost D- outsourced					**₹ 19,140,000.00**	
Total (Survey Work + Drilling)					**₹ 19,140,000.00**	
GST 18%					**₹ 3,445,200.00**	
Total Fund Required inclusive of 18% GST					**₹ 22,585,200.00**	
					~ 2.26 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 31 B

Scheduled Time for Preliminary exploration (G3) for coal in Dahegaon Sector, Wardha Valley Coalfield, Yavatmal District, Maharashtra

		April 2026	May 2026	June 2026	July 2026	Aug 2026	Sep 2026	Oct 2026	Nov 2026	Dec 2026	Jan 2027	Feb 2027	Mar 2027
S. No.		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
1	Surface Drilling (1 rigs)												

28.04.26

28/04/2026

Agenda 94.4.15. Preliminary Exploration (G3) For Coal in Deshwari Sector, Kanhan Valley Coalfield, Chhindwara District, Madhya Pradesh
[Implementing Agency: GSI, Central Region (CR)]

a. The proposed area falls under Survey of India toposheet number 55J/11 and is situated in the northern part of Kanhan Valley Coalfield.
b. The Committee was apprised that the proposed Deshwari Sector lies in the eastern strike extension of the Gorakhghat Sector explored during FS 2023–24 and 2024–25.
c. In Gorakhghat Sector, four regional Barakar coal seams (Seam-IV, Seam-III, Seam-II and Seam-I) along with one local seam were identified between depths of 527.35 m and 711.00 m, with cumulative seam thickness ranging from 0.55 m to 6.15 m, while total coal thickness in individual boreholes varied from 1.00 m to 11.70 m.
d. The coal is predominantly moderate to good quality with GCV of 4017–7219 kcal/kg (G11 to G1 grades) and a significant proportion of coking coal; total inferred coal resource (UNFC 333) within 300–1200 m depth has been estimated at 105.54 million tonnes, comprising 93.67 million tonnes coking coal and 11.87 million tonnes non-coking coal over 14.674 sq. km.
e. Against this backdrop, the Deshwari Sector, covering about 9 sq. km, has been proposed for G3 stage coal exploration with borehole spacing of 800 m to 1,600 m and anticipated borehole depths of 850 m to 900 m.
f. Three Boreholes with total drilling meterage of 2600 m has been proposed by GSI to establish the strike and dip continuity of Barakar coal seams to the east of Gorakhghat Sector.
g. The project was approved in 65th meeting of CGPB.
h. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) For Coal in Deshwari Sector, Kanhan Valley Coalfield, Chhindwara District, Madhya Pradesh" for approval of PSC, NMEDT with an estimated cost of Rs. 244.67 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 32A & 32B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 32 A

Preliminary exploration (G3) for coal in Deshwari Sector, Kanhan Valley Coalfield, Chhindwara District, Maharashtra
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 2600 m; No. of BH: 3

	1	Drilling	2600 m						

Item of Work	Unit	SoC-Item -Sl No. NMEDT	Rates as per NMET SoC 2025	Estimated Cost		Remarks
				Qty.	Total Amount (Rs)	
B. SURVEY WORK						

Item of Work	Unit	SoC-Item -Sl No. NMEDT	Rates as per NMET SoC 2025	Estimated Cost		
				Qty.	Total Amount (Rs)	
D. Drilling - OUT SOURCED						
Drilling for Coal	m	2.2.1.1b	7,975.00	2600	₹ 20,735,000.00	
Total Cost D- outsourced					**₹ 20,735,000.00**	
Total (Survey Work + Drilling)					**₹ 20,735,000.00**	
GST 18%					**₹ 3,732,300.00**	
Total Fund Required inclusive of 18% GST					**₹ 24,467,300.00**	
					~ 2.45 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 32B

Scheduled Time for Preliminary exploration (G3) for coal in Deshwari Sector, Kanhan Valley Coalfield, Chhindwara District, Maharashtra

		April 2026	May 2026	June 2026	July 2026	Aug 2026	Sep 2026	Oct 2026	Nov 2026	Dec 2026	Jan 2027	Feb 2027	March 2027
S. No.		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
1	Surface Drilling (1 rigs)												

28.04.26

28/04/2026

Agenda 94.4.16. Preliminary Exploration (G3) For Coal in Sajari Sector, Kanhan Valley Coalfield, Chhindwara District, Madhya Pradesh
[Implementing Agency: GSI, Central Region (CR)]

a. The proposed area falls under Survey of India toposheet number 55J/8 and is situated in the northwestern part of Kanhan Valley Coalfield.
b. The Committee was apprised that exploration in the Tandsi–Nonkharak area during 1965 to 1971 involved drilling of 4,260.55 m in 10 boreholes (PKT-1 to PKT-10).
c. Three regional Barakar coal seams/zones, namely Top Seam (Seam-III), Second Seam (Seam-II), and Third Seam (Seam-I), were established with continuity along strike and dip, occurring at depths of 10.55 m to 341.79 m and seam thickness ranging from 0.50 m to 5.80 m.
d. The Top Seam (Seam-III), being the youngest and most economic seam, contains Grade I to Grade II coal with medium caking properties, ash content of 18.6%–25%, moisture generally below 2%, and total proved plus indicated reserves of 86.9 million tonnes.
e. To check the depth continuity, grade and thickness of coal seam/zone drilling in 3 vertical boreholes with borehole spacing between 800m to 1600m and depths ranging from 750m to 900m is proposed. Total proposed Drilling meterage is 2600 m.
f. The project was approved in 65th meeting of CGPB.
g. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) For Coal in Sajari Sector, Kanhan Valley Coalfield, Chhindwara District, Madhya Pradesh" for approval of PSC, NMEDT with an estimated cost of Rs. 244.67 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 33A & 33B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 33 A

Preliminary exploration (G3) for coal in Sajari Sector, Kanhan Valley Coalfield, Chhindwara District, Maharashtra
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 2600 m; No. of BH: 3

	1	Drilling	2600 m					
Item of Work			Unit	SoC-Item -Sl No. NMEDT	Rates as per NMET SoC 2025		Estimated Cost	
							Qty.	Total Amount (Rs)
D. Drilling - OUT SOURCED								
18.e		Drilling for Coal	m	2.2.1.1b		7,975.00	2600	₹ 20,735,000.00
Total Cost D- outsourced								**₹ 20,735,000.00**
Total (Survey Work + Drilling)								**₹ 20,735,000.00**
GST 18%								**₹ 3,732,300.00**
Total Fund Required inclusive of 18% GST								**₹ 24,467,300.00**
								~ 2.45 Cr

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 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.**

28.04.26

28/04/2026

ANNEXURE 33 B

Scheduled Time for Preliminary exploration (G3) for coal in Sajari Sector, Kanhan Valley Coalfield, Chhindwara District, Maharashtra

		April 2026	May 2026	June 2026	July 2026	Aug 2026	Sep 2026	Oct 2026	Nov 2026	Dec 2026	Jan 2027	Feb 2027	March 2027
S. No.		1	2	3	4	5	6	7	8	9	10	11	12
1	Surface Drilling (1 rigs)												

28.04.26

28/04/2026

Agenda 94.4.17. Reconnaissance Survey for Coal in Tohogaon Area, Wardha Valley Coalfield, Chandrapur District, Maharashtra
[Implementing Agency: GSI, Central Region (CR)]

a. The Tohogaon Area is situated in the north-eastern part of Wardha Valley Coalfield and falls in parts of SOI Toposheet no. 55M/5, 6, 9 & 10.
b. The Committee was apprised that the proposed Tohogaon Area is located east of the already explored Wihirgaon Area (FS 2024–25), where the regional strike is NW–SE with dip of 2° to 4° towards the north-east.
c. Subsurface data of Wihirgaon indicated the presence of Kamthi, Barren Measures and Barakar Formations, with one coal seam comprising top, middle and bottom splits. Coal seam/zone thickness ranges from 5.27 m to 16.19 m, while individual seams vary from 0.50 m to 4.12 m, occurring within depths of 337.20 m to 752.40 m.
d. Coal quality analysis indicated moisture of 4.71%–9.03%, ash content of 16.07%–52.40%, and GCV of 2515–6277 kcal/kg corresponding to G4 to G16 grades, with total reconnaissance coal resources estimated at 846.86 million tonnes.
e. Against this backdrop, the Tohogaon Area, covering about 57 sq. km, has been proposed for G4 stage coal exploration with borehole spacing of more than 2,000 m.
f. The proposed boreholes are expected to range from 700 m to 900 m depth, targeting regional Barakar seams/zones anticipated between 700 m and 850 m within the Barakar Formation. Total drilling meterage is 1800 m.
g. The project was approved in 65th meeting of CGPB.
h. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Reconnaissance Survey for Coal in Tohogaon Area, Wardha Valley Coalfield, Chandrapur District, Maharashtra" for approval of PSC, NMEDT with an estimated cost of Rs. 169.39 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 34A & 34B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 34 A

Reconnaissance survey(G4) for coal in Tohogaon Area, Wardha Valley Coalfield, Chandrapur district, Maharashtra.
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 1800 m; No. of BH: 2

	1	**Drilling**	**1800 m**						
Item of Work			**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025**		**Estimated Cost**		**Remarks**
							Qty.	**Total Amount (Rs)**	
B. SURVEY WORK									
18.e		Drilling for Coal	m	2.2.1.1b		7,975.00	1800	₹ 14,355,000.00	
Total Cost D- outsourced								**₹ 14,355,000.00**	
Total (Survey Work + Drilling)								**₹ 14,355,000.00**	
GST 18%								**₹ 2,583,900.00**	
Total Fund Required inclusive of 18% GST								**₹ 16,938,900.00**	
								~ 1.69 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 34 B

Scheduled Time for Reconnaissance survey(G4) for coal in Tohogaon Area, Wardha Valley Coalfield, Chandrapur district, Maharashtra.

		April 2026	May 2026	June 2026	July 2026	Aug 2026	Sep 2026	Oct 2026	Nov 2026	Dec 2026	Jan 2027	Feb 2027	March 2027
S. No.		1	2	3	4	5	6	7	8	9	10	11	12
1	Surface Drilling (1 rigs)												

28.04.26

28/04/2026

Agenda 94.4.18. Preliminary (G-3) Exploration for Graphite in Dalipadar Block, Nayagarh District, Odisha

[Implementing Agency: GSI, Eastern Region (ER)]

a. The proposed area falls in Toposheet No. 73D/15, in parts of Nayagarh district, Odisha, and forms part of the Daspalla Graphite Belt.
b. The Committee was apprised that the present exploration block lies within the Central Migmatite Zone (CMZ) of the Eastern Ghats Mobile Belt (EGMB), south of the Mahanadi Shear Zone, comprising migmatitic charnockite and granitoids with khondalite enclaves hosting graphite mineralisation.
c. It was further informed that the block is a spin-off item of the G4 stage investigation in the Dalipadar–Kaiandiha block (FS 2024–26), wherein one graphite band was delineated in the proposed Dalipadar G3 block with N30°E–S30°W strike and low to moderate northwesterly dip. BRS samples recorded FC values of 4.14% to 13.06%, while five trenches yielded 2.75% to 17.13% FC.
d. The Committee also noted that 12 line km of SP geophysical survey carried out in the proposed Dalipadar G3 block strongly corroborated the positive BRS and trench locations, with SP values ranging from -149 mV to -240 mV.
e. The Committee was apprised that a total of 1,200 m drilling is proposed through 12 boreholes, comprising 6 first-level boreholes of about 80 m depth and 6 second-level boreholes of about 120 m depth, all planned at 200 m strike intervals.
f. The first-level boreholes are proposed to intersect the graphite body at 30 m vertical depth and the second-level boreholes at 60 m vertical depth; additionally, a couple of third-level boreholes may be taken up, if required, to assess depth continuity of graphite mineralisation.
g. The project was approved in 65th meeting of CGPB.
h. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary (G-3) Exploration for Graphite in Dalipadar Block, Nayagarh District, Odisha" for approval of PSC, NMEDT with an estimated cost of Rs. 150.63 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 35A & 35B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 35 A

Preliminary Exploration(G3) for Graphite in Dalipadar Block, Nayagarh District, Odisha.
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 1200 m; No. of BH: 12

	1	Drilling	1200 m						
Item of Work			**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025**		**Estimated Cost**		**Remarks**
							Qty.	**Total Amount (Rs)**	
B. SURVEY WORK									
In case of outsourced									
9	a	Demarcation of lease boundary , Fixation of borholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of labourers deployed for the work)- use of CORS Network sstem for all DGPS is compulsary	Per Point of observation	1.3.2		**24,000.00**	16	₹ 384,000.00	12 BH + 4 Cardinal points
9	b	Charges of one qualified surveyor with Total station for carrying out topographical survey in different RF and survace contouring at different interval, fixation of borehole and determination of co-ordinates and reduced Level (RL) of the boreholes with total station etc. a) Charges of one surveyor per day (without labour) (Upto 4 labourers will be allowed per survyor)	one surveyor per day	1.3.1		**10,500.00**	30	₹ 315,000.00	

28.04.26

28/04/2026

	c	Labour Charges for Survey work	Per day	As per Govt rates		**556.00**	120	₹ 66,720.00	
Total Cost B (in case of out sourcing)								**₹ 765,720.00**	
D. Drilling - OUT SOURCED									
18.b	**DRILLING**	Drilling in/ Drilling in Hard rock/ Strata	m	2.2.1.1d		10,000.00	1200	₹ 12,000,000.00	
Total Cost D- outsourced								**₹12,000,000.00**	
Total (Survey Work + Drilling)								**₹12,765,720.00**	
GST 18%								**₹ 2,297,829.60**	
Total Fund Required inclusive of 18% GST								**₹ 15,063,549.60**	
								~ 1.51 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 35 B

Scheduled time for Preliminary Exploration(G3) for Graphite in Dalipadar Block, Nayagarh District, Odisha.

		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
S.No.	Activities	2026	2026	2026	2026	2026	2026	2026	2026	2026	2027	2027	2027
		1	2	3	4	5	6	7	8	9	10	11	12
1	Detailed Mapping (1:2000)												
2	Drilling (1200m)												

***Time loss on account of monsoon/agricultural activity/forest clearance/ local law & order problems will be addition to above time line.**

28.04.26

28/04/2026

Agenda 94.4.19. Preliminary Exploration for Nickel and Associated Metals to The South of Kansa Village, Sukinda Ultramafic Complex of Jajpur District, Odisha (G3)

[Implementing Agency: GSI, Eastern Region (ER)]

a. The proposed area falls in Toposheet No. 73G/16, and is a part of Ultramafic complex which holds about 98% of country's chromite reserve.
b. The Committee was apprised that during FS 2023–25, the area was explored under G4 stage, wherein nickel concentration up to 1.0% was reported in limonite and laterite horizons; further exploration in the western part during FS 2024–25 reported nickel concentration up to 1.5% in limonite and 0.35% in laterite.
c. A scout borehole intersected an 18 m thick nickeliferous limonite zone averaging 5,648 ppm Ni, along with a 5.0 m cobalt mineralized zone above 500 ppm cut-off with average 1,035 ppm Co.
d. In view of the encouraging results, the area has been proposed for G3 stage investigation through drilling and resource estimation to assess subsurface continuity and nickel potentiality.
e. The major work component of the proposed block comprises surface exploration by means of pitting/trenching and sampling and sub-surface exploration by means of drilling, core logging and sampling.
f. Total 22 nos. (1st/2nd levels) of bore holes will be drilled over an area of 3.1 sq.km. to find out the depth continuity of laterite-limonite horizon and their Nickel potentiality. A total of 2000 m of drilling is proposed.
g. The project was approved in 65th meeting of CGPB.
h. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration for Nickel and Associated Metals to The South of Kansa Village, Sukinda Ultramafic Complex of Jajpur District, Odisha (G3)" for approval of PSC, NMEDT with an estimated cost of Rs. 245.06 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 36A & 36B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 36 A

Preliminary Exploration(G3) for Nickel and associated metals to the South of Kansa Village, Sukinda Ultramafic Complex of Jajpur District, Odisha
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 2000 m; No. of BH:22

	1	Drilling	2000 m					
Item of Work			Unit	SoC-Item - Sl No. NMEDT	Rates as per NMET SoC 2025	Estimated Cost		Remaks
						Qty.	Total Amount (Rs)	
B. SURVEY WORK								
9	a	Demarcation of lease boundary , Fixation of borholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of labourers deployed for the work)- use of CORS Network sstem for all DGPS is compulsary	Per Point of observation	1.3.2	**24,000.00**	32	₹ 768,000.00	22 BH points + 10 Cardinal points
Total Cost B (in case of out sourcing)							**₹ 768,000.00**	
Item of Work			Unit	SoC-Item - Sl No. NMEDT	Rates as per NMET SoC 2025	Estimated Cost		
						Qty.	Total Amount (Rs)	
D. Drilling - OUT SOURCED								
18.b		Drilling in/ Drilling in Hard rock/ Strata	m	2.2.1.1d	10,000.00	2000	₹ 20,000,000.00	
Total Cost D- outsourced							**₹ 20,000,000.00**	
Total (Survey Work + Drilling)							**₹ 20,768,000.00**	
GST 18%							**₹ 3,738,240.00**	
Total Fund Required inclusive of 18% GST							**₹ 24,506,240.00**	
							~ 2.45 Cr	
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**							

28.04.26

28/04/2026

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 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.

28.04.26

28/04/2026

ANNEXURE 36 B

Scheduled time for Preliminary Exploration(G3) for Nickel and associated metals to the South of Kansa Village, Sukinda Ultramafic Complex of Jajpur District, Odisha

S.No.	Activities	Apr-26	May-26	JUN 2026	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Drilling				Rainy Season								

28.04.26

28/04/2026

Agenda 94.4.20. Preliminary Exploration for Graphite and Vanadium in Charwadih Block, Palamu and Latehar Districts, Jharkhand (G3 Stage)

[Implementing Agency: GSI, Eastern Region (ER)]

a. The proposed area falls in Toposheet No. 73A/05, and is a part of CGGC.
b. The Committee was apprised that earlier G4 exploration identified a graphite band in the Charwadih block trending NNW–SSE, with an approximate strike length of 800 m and moderate SW dip (50°–65°).
c. An additional graphite band measuring about 250 m length and 25 m width was later identified in the northern part of the block as the southeastern extension of Graphite Schist Band-I.
d. Bedrock samples from Charwadih recorded encouraging Fixed Carbon (FC) values of 8.20% to 15.10% and vanadium values of 736 ppm to 2,132 ppm, while trench samples yielded FC values of 2.34% to 18.66% with vanadium up to 650 ppm.
e. To establish the subsurface continuity and estimate the resources of graphite and vanadium subsurface exploration by drilling of 800 m is proposed through 8 inclined boreholes at an approximate spacing of 200 m, along with detailed mapping on 1:2000 scale with 2 m contour interval.
f. Out of the proposed boreholes, 6 boreholes are planned to intersect the graphite mineralisation at the first level (30 m), while the remaining 2 boreholes are proposed to intersect the mineralised zone at the second level (60 m).
g. The project was approved in 65th meeting of CGPB.
h. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration for Graphite and Vanadium in Charwadih Block, Palamu and Latehar Districts, Jharkhand (G3 Stage)" for approval of PSC, NMEDT with an estimated cost of Rs. 104.94 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 37A & 37B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 37 A

Preliminary Exploration (G3) for Graphite and Vanadium in Charwadih Block, Palamu District, Jharkhand
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 800 m; No. of BH:8

	1	Drilling	800 m						
Item of Work			**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025**		**Estimated Cost**		**Remarks**
							Qty.	**Total Amount (Rs)**	
B. SURVEY WORK									
9	a	Demarcation of lease boundary , Fixation of borholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of labourers deployed for the work)- use of CORS Network sstem for all DGPS is compulsary	Per Point of observation	1.3.2		**24,000.00**	16	₹ 384,000.00	8 BH points + 8 Cardinal Points
9	b	Charges of one qualified surveyor with Total station for carrying out topographical survey in different RF and survace contouring at different interval, fixation of borehole and determination of co-ordinates and reduced Level (RL) of the boreholes with total station etc. a) Charges of one surveyor per day (without labour) (Upto 4 labourers will be allowed per survyor)	one surveyor per day	1.3.1		**10,500.00**	40	₹ 420,000.00	

28.04.26

28/04/2026

	c	Labour Charges for Survey work	Per day	As per Govt rates		**556.00**	160	₹ 88,960.00	
Total Cost B (in case of out sourcing)								**₹ 892,960.00**	
Item of Work			**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025**		**Estimated Cost**		
							Qty.	**Total Amount (Rs)**	
D. Drilling - OUT SOURCED									
18.b	**DRILLING**	Drilling in/ Drilling in Hard rock/ Strata	m	2.2.1.1d		10,000.00	800	₹ 8,000,000.00	
Total Cost D- outsourced								**₹ 8,000,000.00**	
Total (Survey Work + Drilling)								**₹ 8,892,960.00**	
GST 18%								**₹ 1,600,732.80**	
Total Fund Required inclusive of 18% GST								**₹ 10,493,692.80**	
								~ 1.04 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 37 B

SCHEDULED TIME FOR G-3 LEVEL EXPLORATION FOR GRAPHITE AND VANADIUM IN CHARWADIH BLOCK, PALAMU AND LATEHAR DISTRICTS, JHARKHAND (G3 STAGE)

S.No.	Activities	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27
		1	2	3	4	5	6	7	8	9	10	11	12
1	Geological Mapping (1:2000)												
2	Drone topographic Survey												
3	Core drilling												

***Time loss on account of monsoon/agricultural activity/forest clearance/ local law & order problems will be addition to above time line.**

28.04.26

28/04/2026

Agenda 94.4.21. Preliminary Exploration for Graphite and Vanadium in the Bhang and Mahugain Block, Palamu District, Jharkhand
[Implementing Agency: GSI, Eastern Region (ER)]

a. The proposed area falls in Toposheet No. 72D/08, and is a part of CGGC.
b. The Committee was apprised that graphite occurrence in the Parasia–Bhang area of Toposheet No. 72D/8 was first reported during FS 1957–58, and subsequent investigations during FS 1965–66 confirmed disseminated graphite within schists and gneisses occurring as discontinuous patches.
c. During FS 2025–26, a G4 stage investigation in the Parasia–Bhang–Mahugain–Kusri areas of Palamu district led to delineation of three graphite-bearing bands/lenses associated with granite gneiss, with individual bodies ranging from 20 m to 100 m in length and 2 m to 15 m in width.
d. In the presently proposed G3 block near Bhang village, four significant graphite bands were delineated and confirmed through trenching, with graphite mineralisation being flaky and disseminated in nature. Fixed Carbon (FC) values from BRS, channel and trench samples range from 12% to 28%, with an average of 17.7%, indicating encouraging graphite potential.
e. To establish the subsurface continuity and estimate the resources of graphite and vanadium, surface exploration through detailed mapping, systematic collection of bedrock/channel samples, pitting and trenching, along with subsurface exploration by 900 m drilling through 9 inclined boreholes at an approximate spacing of 200 m is proposed.
f. The committee was apprised that out of the proposed boreholes, 7 boreholes are planned to intersect graphite mineralisation at the first level (30 m), while the remaining 2 boreholes are proposed to intersect the mineralised zone at the second level (60 m). A total of 900 m of drilling is proposed.
g. The project was approved in 65th meeting of CGPB.
h. The committee deliberated the proposal and recommended for approval of PSC, NMEDT for funding of outsourced components of the proposal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration for Graphite and Vanadium in the Bhang and Mahugain Block, Palamu District, Jharkhand" for approval of PSC, NMEDT with an estimated cost of Rs. 114.39 lakhs (including GST) within time schedule till 31.03.2027 for carrying out the proposed work and submission of report as per Annexure – 38A & 38B. The item will be reviewed after 3, 6 and 9 months.

28.04.26

28/04/2026

ANNEXURE 38 A

Preliminary Exploration(G3) for Graphite and Vanadium in Bhang-Maugan Block, Palamu District, Jharkhand
Timeline: Till 31.03.2027; Review after 3, 6 and 9 months, Total Drilling meterage: 900 m; No. of BH:9

	1	Drilling	900 m						
	Item of Work		Unit	SoC-Item -Sl No. NMEDT		Rates as per NMET SoC 2025	Estimated Cost		Remarks
							Qty.	Total Amount (Rs)	
	B. SURVEY WORK								
9	a	Demarcation of lease boundary , Fixation of borholes and determination of coordinates and reduced level (RL) of the boreholes by DGPS (including charges of labourers deployed for the work)- use of CORS Network sstem for all DGPS is compulsary	Per Point of observation	1.3.2		**24,000.00**	13	₹ 312,000.00	9 BH points + 4 Cardinal points
9	b	Charges of one qualified surveyor with Total station for carrying out topographical survey in different RF and survace contouring at different interval, fixation of borehole and determination of co-ordinates and reduced Level (RL) of the boreholes with total station etc. a) Charges of one surveyor per day (without labour) (Upto 4 labourers will be allowed per survyor)	one surveyor per day	1.3.1		**10,500.00**	30	₹ 315,000.00	
	c	Labour Charges for Survey work	Per day	As per Govt rates		**556.00**	120	₹ 66,720.00	

28.04.26

28/04/2026

Total Cost B (in case of out sourcing)								**₹ 693,720.00**	
Item of Work			**Unit**	**SoC-Item -Sl No. NMEDT**	**Rates as per NMET SoC 2025**		**Estimated Cost**		
							Qty.	**Total Amount (Rs)**	
D. Drilling - OUT SOURCED									
18.b	**DRILLING**	Drilling in/ Drilling in Hard rock/ Strata	m	2.2.1.1d		10,000.00	900	₹ 9,000,000.00	
Total Cost D- outsourced								**₹ 9,000,000.00**	
Total (Survey Work + Drilling)								**₹ 9,693,720.00**	
GST 18%								**₹ 1,744,869.60**	
Total Fund Required inclusive of 18% GST								**₹ 11,438,589.60**	
								~ 1.14 Cr	

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 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.**

28.04.26

28/04/2026

ANNEXURE 38 B

Scheduled time for Preliminary Exploration(G3) for Graphite and Vanadium in Bhang-Maugan Block, Palamu District, Jharkhand

Sl. No.	Activities	Apr., 2026	May., 2026	Jun., 2026	Jul., 2026	Aug., 2026	Sept., 2026	Oct., 2026	Nov., 2026	Dec., 2026	Jan., 2027	Feb. 2027	Mar. 2027
1	Detailed Mapping												
2	Core Drilling												

* Time loss on account of monsoon / agricultural activity / forest clearance / local law & order problem will be addition to above time line.

28.04.26

28/04/2026

94.5 Technical Evaluation of New Procurement Proposal of Geological Survey of India

Agenda 94.5.1. Establishment of Data Processing, Interpretation and Integration Centre (DPIIC) at GSI, RSAS, Bangalore
[Implementing Agency: GSI, RSAS, Bengaluru]

a. The Committee was apprised that datasets generated under GSI's programmes such as NAGMP, NGCM, NGPM, SGM, STM, Remote Sensing and Mineral Exploration, covering geological, geochemical, geophysical and remote-sensing domains, are proposed to be integrated and utilised through the Data Processing, Interpretation & Integration Centre (DPIIC) at RSAS, Bengaluru.
b. The Committee was further apprised that the DPIIC will function as a national facility for integrated geoscientific data analysis using conventional methods and AI/ML/DL, to enhance mineral targeting and exploration planning.
c. The Committee was apprised that an MoU with Digital India Corporation (DIC) was signed on 27th September 2024, and ₹4.07 crore towards PMU cost, inclusive of taxes, has been pre-sanctioned by NMEDT.
d. The Committee was apprised that the core objective of the DPIIC is to integrate and analyse multi-domain geoscientific data using advanced digital tools and AI/ML/DL for mineral targeting, resource assessment, and improved exploration decision-making.
e. The Committee was apprised that the DPIIC will undertake integrated geoscientific data management and AI/ML-based mineral prospectivity modelling, supported by secure cloud and High Performing Computing infrastructure under Meghraj 2.0.
f. It was further noted that the Centre will be equipped with advanced hardware/software, analytical tools, 2D/3D modelling, GIS, remote sensing and visualisation facilities, including a dedicated laboratory and 3D visualisation centre for mineral targeting and decision-making.
g. GSI also informed that 12 specialised teams will undertake project execution and capacity building of about 700 geoscientists, with outputs validated by GSI and uploaded on DPIIC/NGDR portals.
h. The Committee was apprised that 8.5 lakh sq. km has been prioritised through overlay analysis of NGCM, NAGMP, NGPM, low-altitude aerogeophysical and geological mapping datasets for mineral targeting, and during the five-year period the area will be analysed for various commodities with emphasis on critical minerals through about 8 cratons to sub-craton scale projects, each covering 20,000 sq. km to over 1,00,000 sq. km, with outputs in the form of reports, maps and connected datasets.
i. The Committee was apprised that the DPIIC is expected to deliver a unified geoscientific data analytics platform, AI/ML-based mineral targeting models, enhanced stakeholder data access and visualisation, and institutional capacity building, along with at least 90 regional-scale geoscience reports over five years (10 in Year-1 and 20 annually thereafter) and 8 craton/sub-craton scale reports (2 per year from Year-2 to Year-5) covering 20,000 to >1,00,000 sq. km, besides on-demand technical reports for decision-making and policy support.

28.04.26

28/04/2026

j. GSI sought necessary approvals and budget provisioning as per the yearly phasing of project cost mentioned in Table 1, as per approved DIB Memorandum.

k. GSI further informed that the proposal for financial sanction will be submitted on completion of the technical and financial bid evaluation process and identification of the successful bidder with the highest composite score.

l. The TCC deliberated the proposal and recommended the proposal as per details mentioned in Table 1.

Table 1

S. No	Cost Component	Nature Of Expenditure	Scope/ Description	Cost Estimate (In ₹ Cr)	Cost (inclusive of 18% Taxes)	% of grand total budget
A	Domain and Application Management					
1	Domain Expert	Recurring	Skilled personnel across geoscience, AI/ML	28.68	33.84	18.49%
2	Application and Infra Management	Recurring	Application Management, Installation and lifecycle management for geophysical techniques, Web portal & mobile application development	15.05	17.76	9.70%
B	Cloud Services and Software Licenses					
1	NGC Cloud	Recurring	Provisioned by NIC/ Meghraj 2.0 (PAY-G)	53.48	63.11	34.48%
2	Software	Recurring	Software Licenses for Geophysics, Gravity, Radiometric etc.	22.82	26.93	14.71%
C	Other Services					
1	Training and Capacity Building	Recurring	Content Creation, Capacity of building of GSI resources, Workshop, Specialized Trainings	3.13	3.69	2.02%
2	ISP Bandwidth	Recurring		5.40	6.37	3.48%
3	PMU	Recurring	Budget For PMU(DIC)	5.99	7.07	3.86%
4	Travel Budget	Recurring	Project activities and emergency visits	1.50	1.77	0.97%

28.04.26

28/04/2026

5	On-Prem Hardware cost	Capital	Lab Setup, Systems for the Team	3.90	4.60	2.51%
6	Installation & Fabrication Lab	Capital	Fabrication of lab and other infra setup	3.00	3.54	1.93%
7	3D Visualization Laboratory	Capital	Setup of 3D Visualization Lab	1.93	2.28	1.24%
	I. Subtotal excluding taxes			**144.88**		
	II. Subtotal including taxes				**170.96**	
D	Miscellaneous & Contingency (@5% recurring expenditure)				8.027	4.38%
E	Pre-investment Expenditure					
	Budget For PMU (DIC) Sanctioned amount including tax (Existing MoU)				4.07	2.22%
Grand Total Budget Estimate, including tax (In Cr.)					**₹183.057 Cr**	100%

Recommendations of TCC-1:

The committee recommended the proposal titled "Establishment of Data Processing, Interpretation and Integration Centre (DPIIC) at GSI, RSAS, Bangalore" for administrative approval of EC, NMEDT and necessary budget provisioning with an estimated cost of Rs. 183.06 Crore (including GST).

The proposal for financial sanction will be submitted by GSI on completion of the technical and financial bid evaluation process and identification of the successful bidder with the highest composite score.

Agenda 94.5.2. Procurement of Time Domain Electromagnetic Survey Data Processing and Inversion Software
[Implementing Agency: GSI, RSAS, Bengaluru]

a. The Committee was apprised that Geological Survey of India through its RSAS Division is undertaking heliborne TDEM and magnetic surveys over selected blocks identified from NAGMP and legacy datasets, including acquisition of high-resolution TDEM data over approximately 3,354 sq. km with 24,595 line km through an outsourced agency.
b. It was further informed that Atomic Minerals Directorate for Exploration and Research has covered more than 42 blocks and shared TDEM data for 10 areas covering about 30,000 sq. km with GSI, while Central Ground Water Board has also shared raw TDEM data from surveys in parts of Rajasthan, Gujarat and Haryana.
c. The Committee was apprised that dedicated software is required at RSAS for processing, inversion and interpretation of Heliborne TDEM data to generate subsurface conductivity models for improved geological interpretation, mineral targeting and resource evaluation.
d. Dedicated TDEM software is required for QA/QC, processing, modelling, 2D/3D inversion, and derivation of subsurface parameters such as depth, thickness and layer geometry.
e. The Committee was apprised that the proposed software will enhance GSI operations through improved QA/QC, visualization, subsurface conductivity

28.04.26 28/04/2026

analysis, better mineral targeting, reduced interpretational ambiguity, and cost-effective drilling guidance.

f. The Committee was apprised that a market survey of industry-standard TDEM processing and inversion software has been carried out, and based on the quotation obtained from M/s Datacode Geoscience Pvt. Ltd., Nagpur, the estimated cost of the proposed software package, inclusive of specified services, is approximately ₹1.98 crore.

Table 2

Sl. No.	Description	Cost in Rs.
1	Basic software with one-year mandatory warranty (excluding tax)	1,00,98,200/-
2	3 years additional extended warranty (excluding tax)	66,85,400/-
3	Statutory tax (18% GST)	30,21,084/-
	Total cost	**1,98,04,684/-**

g. Administrative approval has been sought by GSI for procurement of Time Domain EM data processing, inversion and interpretation software, along with installation, training, mandatory one-year warranty and additional three-year extended warranty, at an estimated cost of ₹1.98 crore inclusive of 18% GST.

h. The TCC deliberated the proposal and recommended the proposal as per details mentioned in Table 2.

Recommendations of TCC-1:

The committee recommended the proposal titled "Procurement of Time Domain Electromagnetic Survey Data Processing and Inversion Software" for approval of PSC, NMEDT with an estimated cost of Rs. 198.05 lakh (including GST) within a timeline of 12 months.

94.6 Review of Ongoing Procurement Projects of Geological Survey of India

Agenda 94.6.1. Procurement of 4 No. EPMA Instruments [Implementing Agency: GSI]

a. The proposal has reference to the procurement of four Electron Probe Micro Analyser along with required accessories and spares including 05 years warranty and 05 years of post-warranty CAMC required for four offices of GSI at Hyderabad, Bengaluru, Jaipur & Faridabad.

b. The Committee was apprised that approval has been received by Geological Survey of India vide letter No. 6/2/2015-NMET/265 dated 14.08.2024 from NMEDT for procurement of four EPMA instruments at an estimated cost of ₹62.40 crore (based on erstwhile USD exchange rate of ₹84), along with required accessories, spares, 5-year warranty, and 5-year post-warranty CAMC.

c. The Committee was further apprised that pursuant to MoM approval dated 07.01.2025, a Global Tender Enquiry for procurement of four EPMA instruments

28.04.26 28/04/2026

costing ₹62.40 crore was floated on the CPP portal on 28.01.2025; however, only one bid was received from M/s Jeol India Pvt. Ltd. despite extension of the submission date.

d. After evaluating the technical bid followed by practical demonstration of the offered instrument, the offer of M/s Jeol India Pvt. Ltd. was accepted. The firm quoted their

BOQ	Final Price offered in USD	BOQ	Final Price offered in INR
BOQ1	51,00,000.00	BOQ2	1,32,23,898.00
BOQ3	13,50,992.00	BOQ4	7,40,87,404.00
(Total in USD)	**64,50,992.00**	**(Total in INR)**	**8,73,11,302.00**

offer in USD for BOQ1 & BOQ3 & in INR BOQ2 & BOQ4. Two price negotiation meetings were held with the firm and the firm has submitted their final offer as follows:

e. The Committee was apprised that the firm has quoted the required items in USD and INR, with the USD component (BOQ-1 & BOQ-3) amounting to USD 64,50,992, equivalent to ₹55.39 crore at an exchange rate of ₹85.86/USD.

f. It was further noted that considering possible exchange rate variation of 10% on the USD component, an additional provision of about ₹5.54 crore may be required, while the INR component (BOQ-2 & BOQ-4) of ₹8.73 crore would remain unaffected.

g. Accordingly, the total procurement cost may work out to ₹69.66 crore, and the firm has extended the bid validity from 31.03.2026 to 30.08.2026, keeping the quoted price valid up to 30.08.2026.

h. The final price offered is only about 0.84% more than the approved cost by NMEDT i.e. Rs. 62,39,52,000/-.

i. The Committee was apprised that the current cost escalation is mainly due to exchange rate variation, and re-tendering may further increase costs owing to higher base price and stronger USD, while the possibility of receiving a single bid again cannot be ruled out due to limited availability of EPMA manufacturers for earth science applications.

j. The Committee was apprised that administrative approval has been sought for procurement of four EPMA instruments from M/s Jeol India Pvt. Ltd. at a total cost of ₹69.66 crore, including required accessories, spares, 5-year warranty, and 5-year post-warranty CAMC.

k. The Committee was further informed that after getting administrative approval, Geological Survey of India will approach NMEDT for seeking the requisite financial sanction of ₹69.66 crore.

l. The committee discussed the issue and recommended the proposal for approval of EC.

Recommendations of TCC-1:

The committee recommended the proposal titled "Procurement of 4 No. EPMA Instruments" for administrative approval of EC NMEDT for procurement of four EPMA instruments from M/s Jeol India Pvt. Ltd. at a total cost of ₹69.66 crore, including required accessories, spares, 5-year warranty, and 5-year post-warranty CAMC.

After getting administrative approval, Geological Survey of India will approach NMEDT for seeking the requisite financial sanction of ₹69.66 crore.

Agenda 94.6.2. Procurement of 01 no. of Digital Core Logger for the establishment of Digital core library by GSI

[Implementing Agency: GSI]

28.04.26

28/04/2026

a. The Executive Committee, in its 35th meeting held on 16.05.2024, approved the proposal of GSI for procurement of 01 Digital Core Logger for the establishment of Digital Core Library at a cost of Rs. 43,24,70,000/ inclusive of 18% GST and exclusive of custom duties, IGST and other statutory government levies/taxes with an estimated timeline of 24 months.
b. Subsequently, GSI vide letter no. 162/DCL/DDGNM-II/GSI/2026 dated 13.04.2026 has submitted a revised proposal for procurement of 01 Digital Core Logger at an estimated cost of Rs. 33.70 crore including GST and CAMC for 4 years covering the complete instrument(s), consumables, hardware, compulsory yearly maintenance and repair visits with a reduced timeline of 18 months.
c. GSI has further informed that the specifications of the previously approved Digital Core Logger have been modified, and the proposed installation site has been changed from GSI, CR, Nagpur to GSI, SR, Hyderabad.
d. The modification in specification is specified below

Table 3

S. No	Earlier Indent	Present proposal (revised) Indent
1	RGB Photography a. Spatial Resolution: 40 pixel/mm (25µm) or higher b. Color depth: 24bit or more c. Sensor Type: Line scan	White and UV light core imaging sensors. True colour separation of line scan images to output RGB data at sub -mm resolution
2.	3D Profiling a. Spatial resolution: < 1 mm b. Height resolution: <0.1mm	3D Profiling a. Spatial resolution: < 1 mm b. Height resolution: <0.1mm
3.	IR sensor/ Hyperspectral a. Spatial Resolution: VNIR-100µm or higher, SWIR: 300µm or higher b. Spectra Per meter: 960,000 c. Spectral bandwidth resolution of approximately 10 nm d. The scanning should be able to capture visible and near-infrared (VNIR) (VNIR:0.4-1.0 µm), short- wavelength infrared (SWIR) (SWIR 1.0-2.5 µm). and long wavelength (LWIR) spectral images as well as a high-resolution optical RGB image, all in a single scan, directly in the drill core box covering more than 400 bands.	Hyperspectral Imaging Sensors. It should include broadly: White and UV light core imaging sensors. VNIR and SWIR infra-red camera for wavelengths from 400nm to 2500nm. Onboard spectral library and interpretation software.
4. a.	Should have integrated X-Ray Fluorescence (XRF): i. Elements to be detected: Sodium (Na) to Uranium (U) elements ii. Analytical range: 20ppm (or better) to 100% iii. Detection limit: 100ppm or better iv. Sensor type: Point scan/Continuous profile	XRF instrument with broad specifications as follows: Radiation Shielding: Insulation on all sides with safety interlocks on doors XRF elemental composition for detection of Mg to U at ppm level (with latest and best available lower limits of elemental analysis)

28.04.26

28/04/2026

		X-ray tube with application-optimized anode material preferably Rhodium (Rh) and air-cooled or better. X-Ray tube voltage: 50KV/4W or better. X-Ray current range from 5 to 200 micro ampere. Closed coupled geometry for high efficiency at low X-ray tube power Primary Beam Filtration: Max and core: 8-position auto selected filter per beam per mode. Should be able to off a stable and repeatable measurement geometry. Optional collimation 3mm diameter beam spot Detector Max: Large area silicon drift detector with graphene window. Detector resolution should be <140 eV FWHM at 5.95 keV. Inline aiming camera for focusing collimation area (8mm). Fail safe proximity sensor to ensure that the analyser is in contact with the sample before starting the measurement. Should have Radiation safety certificate from AERB. Calibration: Instrument must be able to analyse Geological samples (preferable automated and user selectable calibrations for oxides and sulphide matrices. One set of SRM's must be supplied along with the instrument.
4. b.	Laser Induced Breakdown Spectroscopy (LIBS): i. Elements to be detected: Hydrogen (H) to Uranium (U) elements. ii. Analytical range: ppb level to 100% iii. Detection limit: detect down up to 500 ppb or better	----------
4. c.	Geophysical Characterization tools like Density, Magnetic susceptibility.	Capability to measure Physical properties of Cores. It should include broadly: Instrument to measure Core Density, P-Wave Velocity (Vp); S-wave Velocity (Vs); magnetic susceptibility etc. Core Gamma Logger with following broad specifics: Detector: Sodium iodide (NAI) crystal with integral spectral acquisition system interfaced into the computer.

28.04.26

28/04/2026

		Core motion: Fully automate motion, liner precision0.1mm Detection over 1024 channels to correspond to 0-3 MeV energy range. Should be capable of relative elemental yields of K, U and Th along with total count in continuous mode.
5.	Software be able to a. Generate 3D visualization of the drill core's interior, revealing planar structures (foliations, beddings, veins, and faults) and linear structures. b. Mineral classification and quantification, USGS MICA mineral mapping c. Spectral interactive machine learning & AI tools for supervised and unsupervised classification also should be able to do quantification d. Integrated computer/laptop (inside instrument) – intel i7 13 generation with Window 11 Pro, 64 GB RAM, 2 TB SSD M.2, 24" LCD Monitor, keyboard and mouse. e. Tower computer intel i9 12th generation with windows 11 Pro, 128 GB RAM, 4 TB SSD M.	Software and workstation/Laptop/PC. The broad specifications are as follows: The system should be equipped with work station(s)/computer system/laptop along with all necessary licenced softwares with following features. It should be capable of operation, control and calibration of the instrument, data acquisition, data processing, graphic display data storage (including cloud based data storage), visualisation, integration and report generation. Capable of acquiring data in predefined increments. The system to provide live screen plot of raw data acquisition from multichannel analyzer, background and density correction. Software for interpretation of VNIR/SWIR data. Software for interpretation of the XRF data in order to derive chemical composition. Additional software for bringing all layers of acquired data into one data base after integration. Licensed version of all latest operating software should be provided. The file output data type as RAW images, Raw CSV files, ASCII file, XML format for later processing and plotting. The system should be compatible for loading on to any cloud network using suitable compatible software for seamless data integration and uploading/retrieving from Cloud storage-Cloud based data storage facility and visualisation software.
6.	General a. Core tray length: 1.50 Mtrs or more b. Core tray width: 500 mm or more c. Scanning Speed: 25 mm or better per second.	Capable of measuring physical properties of whole core or half-split/slabbed core Core length up to 1.50 m (approx.). Core diameter up to 86 mm (approx.). Anti-vibration mountings option All sensor data is to be depth co-registered Real -time display of acquired sensor data
7.	Core logger Instrument size:	Core logger Instrument size:

28.04.26 28/04/2026

	Dimension: as per bidder specification Weight: as per bidder specification	Dimension: as per bidder specification Weight: as per bidder specification
8.	Automated conveyor for core tray in and out for scan though cameras/sensors.	Automated conveyor for core tray in and out for scan though cameras/sensors.
9.	Delivery: Machine with all ancillaries should be delivered and installed at GSI, SR, Hyderabad within 1 year from issuing of Purchase order.	Delivery: Machine with all ancillaries should be delivered and installed at GSI, CR, Seminary Hills, Nagpur within 1 year from issuing of Purchase order.
10.	Training of Equipment, Software and Operation: On-site operational training for 20 working days (for approximately 10 nos. of officers) which will include 1-week training on maintenance and three-weeks training on data acquisition and data analysis at GSI, Hyderabad by trained professionals and foreign engineers of the OEM after installation of the instrument at GSI, Hyderabad.	Familiarisation, handholding and training for 5 geoscientists.
11.	Installation, testing and commissioning of the equipment: To be carried out by the bidder within 60 days from the date of receipt of instrument at consignee place. All user & operation manual should be in English and need to be supplied during delivery.	Shipping, transportation, installation, commissioning, pre-installation site checkup, upgradation for 5 years;
12.	Warranty: Period of 1 year from the date of installation and commissioning. During the Warranty period, complaints should be attended properly within 7 Calendar days by the OEM engineers. If a single frame integration of XRF and LIBS is not possible, then sub-frames or cascading analysis or some other assembly may be thought by the firms to customize the instrument for GSI.	Warranty: 1 year of warranty from the date of installation and commissioning.
13.	<u>COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) FOR INTEGRATED DIGITAL CORE LOGGER SYSTEM</u>: CAMC of 5 years after 1 year of warranty of the main instrument and all its ancillaries.	CAMC for 4years covering the complete instrument(s), consumables, hardware, compulsory yearly maintenance and repair visits.
14.	<u>Delivery, installation & commissioning of Items at:</u> Geological Survey of India, Hyderabad, India. – 1 no.	Geological Survey of India, Central Region, Seminary Hills, Nagpur-440006

28.04.26

28/04/2026

15.	Approved proposal is of "Procurement of 01 no. of Digital Core Logger for GSI for an amount of Rs.43,24,70,000/- (18% GST) with a timeline of 2months upto 02.06.2026.	The estimation of the approximate purchase price of the instrument is as follows: Hyperspectral Imaging Sensors: Rs13.20 Cr Core Gamma Logger: Rs 0.30Cr XRF…Rs 1.50 Cr. Software and annual licences 6yr period…Rs 3.37Cr. Shipping, transportation, Installation, commissioning, trainings foreign and onsite, handholding by specialists etc…Rs 3.90 Cr. CAMC …. 6.29 Cr Total: Rs 28.56Cr (approx.) GST@18%= Rs. 5.14Cr Gross total including GST=Rs 33.70 Cr (Rs. 34.00 Cr)
		Requested timeline is additional 18 months

e. The committee evaluated the revised proposal of Digital Core Logger and recommended the revised specification of the instrument with a cost of Rs. 33.70 crore including GST and CAMC for 4 years covering the complete instrument(s), consumables, hardware, compulsory yearly maintenance along with additional timeline of 18 months.

Recommendations of TCC-1:

The committee recommended procurement of 1 Digital Core logger with revised specification of the instrument with a cost of Rs. 33.70 crore including GST and CAMC for 4 years covering the complete instrument(s), consumables, hardware, compulsory yearly maintenance for approval of EC, NMEDT.

The committee also recommended timeline extension for procurement upto 02.12.2027 (18 months from approved time period).

28.04.26

28/04/2026

Annexure 39

List of participants who attended the 94th Meeting of Technical-cum-cost Committee (TCC-I) of NMEDT held on 16th, 17th and 18th April 2026 through video conferencing mode

S.no	Name	Designation	Email ID	Contact No	Organization
1	Dr. S. Ravi	Dy. Director General, GSITI, Hyderabad	s.ravi1@gsi.gov.in	9441138834	Chairman, TCC-1
2	Shri. I.R. Kirmani	ADG (Retd.), GSI	irkirmani@yahoo.com	9414014723	Member TCC-1
3	Shri. M. Mohan	Dy. Director General (Retd.), GSI	mariappan.mohan@gmail.com	9423686547	Member TCC-1
4	Shri. K. Koteswara Rao	Dy. Director General (Retd.), GSI	kkrao1957@gmail.com	9000117969	Member TCC-1
5	Dr. S. K. Kulshrestha	DDG-RMH-III, NER, GSI, Shillong	s.kulshrestha@gsi.gov.in	9413330658	Member TCC-1
6	Shri A. R. Mukundhan	Regional Director, AMD, South Central Region	mukuagaram@rediffmail.com	6303606347	Member TCC-1
7	Dr. E.V.S.S.K. Babu	Scientist (G), NGRI	evsskbabu@ngri.res.in	9441535852	Member TCC-1
8	Sh. S K Adhikari	Chief Mining Geologist, IBM, Nagpur	skadhikari@ibm.gov.in	7588690545	Member TCC-1
9	Smt. Vandana	Cost Accounts Officer, RSAS, Bangalore, GSI	vandana@gsi.in	8660939235	Member TCC-1
10	Shri S Dhanendran	Director, GSITI & Member Secretary, TCC-I	s.dhanendran@gsi.gov.in	9944882204	Member Secretary TCC-1
11	Shri Siladitya Sengupta	Deputy Director General, PSS: P&M	ddgpss.gsi@gov.in	8585089352	Geological Survey of India, CHQ, Kolkata
12	Shri K K Behera	Deputy Director General & RMH-II	rmh2.cr@gsi.gov.in	9989701608	Geological Survey of India, Central Region, Nagpur
13	Shri Sudeep Bhattacharya	Deputy Director General	ddg.nenr@gsi.gov.in	7980588077	Geological Survey of India, NEnR, Kolkata
14	Dr. P. S. Misra	DDG & RMH-II	rmh2.nr@gsi.gov.in	9450652157	Geological Survey of India, Northern Region, Lucknow
15	Shri LMS Maura	DDG, RMH-II & HoD WR	l.s.maura@gsi.gov.in	9461666503	Geological Survey of India, Western Region, Jaipur
16	Shri Vishal V Sakhare	DDG SU: Rajasthan	vishal.sakhare@gsi.gov.in	7276651013	Geological Survey of India, Western Region, Jaipur
17	Shri S.K Guru	DDG & RMH-II, ER , Kolkata	s.guru@gsi.gov.in	8074158520	Geological Survey of India, Eastern Region, Kolkata

28.04.26

28/04/2026

18.	Shri Saibal Ghosh	DDG & NMH-IV, Kolkata			Geological Survey of India, CHQ, Kolkata
19	Shri Anindya Bhattacharya	DDG & HoD, RSAS	anindya.bhattacharya@gsi.gov.in	9477773047	GSI, RSAS
20	Shri C.S.Verma	DDG, Geophysics, RSAS	chattar.verma@gsi.gov.in	9990962880	GSI, RSAS
21	Smt Deepali Kapoor	Director	rmh2.cr@gsi.gov.in	9935134715	Geological Survey of India, Central Region, Nagpur
22	Shri Sanjay Singh	Director	sanjay.singh3@gsi.gov.in	9414045873	Geological Survey of India, Western Region, Jaipur
23	Shri Prashant Kalpande	Director	p.kalpande@gsi.gov.in	7898282055	Geological Survey of India, Central Region, Nagpur
24	Shri Shashank Rangari	Director	shashank.rangari@gsi.gov.in	8003173479	Geological Survey of India, Central Region, Nagpur
25	Shri Abhishek Verma	Director	abhishek.verma.gsi@gov.in	9599558280	Geological Survey of India, Central Region, Nagpur
26	Shri Parvathy R. Krishnan	Director	dir.mon8@gsi.gov.in	9959399406	Geological Survey of India, CHQ, Kolkata
27	Shri. Vinay Singh	Director, TC, RM-II	rmh2.nr@gsi.gov.in	7607755553	Geological Survey of India, Northern Region, Lucknow
28	Shri Pankaj Vaidya	Director, RMH-II, SR	pankaj.vaidya@gsi.gov.in	9420249036	Geological Survey of India, Souther Region, Hyderabad
29	Smt Sujata Pattnaik	Director, RM-II, ER	sujata.pattnaik@gsi.gov.in	7894426264	Geological Survey of India, Eastern Region, Kolkata
30	Smt Praseetha Sugathan	Director, RM-II, ER	praseetha.sugathan@gsi.gov.in	9676081560	Geological Survey of India, Eastern Region, Kolkata
31	Shri H. Rajaram	Director, RSAS	h.rajaram@gsi.gov.in	8762227740	GSI,RSAS
32	Shri A.Selin Raj	Director, RSAS	antony.selinraj@gsi.gov.in	9551177036	GSI,RSAS
33	Shri D.S.Jeere	Director, RSAS	dattatreya.jeere@gsi.gov.in	94234 00302	GSI, RSAS
34	Shri A. Srinivas	Superintending Engineer	a.srinivasu@gsi.gov.in	9989862597	Geological Survey of India, Souther Region, Hyderabad
35	Shri Anshuman Bakshi	Sr. Geophysicist, RSAS	anshuman.bakshi@gsi.gov.in	7004883796	GSI,RSAS
36	Shri Nandeswar Hiralal Borkar	Senior Geologist	borkar.hiralal@gsi.gov.in	9604654467	Geological Survey of India, Central Region, Nagpur
37	Binu Sharma	Senior Geologist	dir.mon8@gsi.gov.in	7697464361	Geological Survey of India, CHQ, Kolkata
38	Shri Siddhartha Karmakar	Senior Geologist, RMH-II, SR	siddartha.karmakar@gsi.gov.in	8667752858	Geological Survey of India, Souther Region, Hyderabad

28.04.26

28/04/2026

39	Shri Kishor B Deshmukh	Senior Geologist, RMH-II, SR	kishore.deshmukh@gsi.gov.in	9765690776	Geological Survey of India, Souther Region, Hyderabad
40	Smt. K. Deepa	Joint Director	tndgmmm11@gmail.com	9444682998	Dept. of Geology and Mining, Tamilnadu.
41	Shri Shrikant Sharma	HOD (Exploration)	shrikant.mecl@gmail.com	9131229758	MECL
42	Shri Naveen Kumar Pala	Sr. Manager (Geology)	naveenpala@mecl.gov.in	7738368657	MECL
43	Shri Dileep Kumar	Sr. Geologist	dileep.kumar@kartikay.co.in	8956919711	Kartikay Exploration And Mining Services Private Limited
44	Shri K.Rajasekhar Reddy	GM Mining	tsmdcltdmines@gmail.com	8008558580	Telangana Mineral Development Corporation Limited
45	Shri P S, Ranga Reddy	GM Exploration	tsmdcltdmines@gmail.com	9866295219	Telangana Mineral Development Corporation Limited
46	Shri Subrata Sarkar	V. P. (Projects & Planning)	subrata.sarkar@gemcokati.com	7044208900	Gemcokati Exploration Private limited
47	Shri Vinay Sahay	Sr. Manager (Geology)	vinay.sahay@geologist.com	97305 14284	Gemcokati Exploration Private limited
48	Shri Chinmay Rout	Geologist	chinmay2007rta@gmail.com	8260086563	Gemcokati Exploration Private limited
49	Shri Kaustav Bhattacharjee	Geologist	kaustav25698@gmail.com	863 784 8584	Gemcokati Exploration Private limited
50	Ms. Devika Nagpure	Jr. Geologist	devikanagpure45@gmailcom	8408986492	Gemcokati Exploration Private limited
51	Shri Aman Kumar Dash	Jr. Geologist	amankumar43216@gmail.com	9439072123	Gemcokati Exploration Private limited
52	Shri Nirupam Tikader	Jr. Geologist	nirupamtikader1711@gmail.com	7029636965	Gemcokati Exploration Private limited
53	Smt Anchal Khatke	Jr. Geologist	akhatke2001@gmail.com	9607225787	Gemcokati Exploration Private limited
54	Dr. Raj Narayan Yadav	Consultant (Geology)	impcon.kolkata@gmail.com	9831107623	Indian Mine Planners and Consultants
55	Shri Jagannath Rawani	Sr. Manager (Geology)	jagannathtexture007@gmail.com	8292106391	Indian Mine Planners and Consultants
56	Shri Prembabu	Technical Area Experts	prembabu_singh@yahoo.com	9422477401	Prb Infraprojects Private Limited
57	Dr. Suparna Goswami	Sr. Project Manager (Exploration)	suparna.goswami@geovale.com	9874320018	Geovale Service Pvt. Ltd., Kolkata
58	Dr. Tuasha Majumder	Sr. Project Manager (Exploration)	tuasha.majumder@geovale.com	90072 15397	Geovale Service Pvt. Ltd., Kolkata
59	Shri Moulipriya Bhakta	Dy. Manager (Exploration)	moulipriya.bhakta@maheshwaree.com	7890631970	MMPL Pvt Ltd
60	Dr. Suman Krishna Sit	Sr. Vice President (Exploration)	suman.krishna@maheshwaree.com	7763807475	MMPL Pvt Ltd
61	Dr Sunil Kumar Panday	Senior Geologist	sunil.panday@maheshwaree.in	9399694242	MMPL Pvt Ltd
62	Smt Shravya Mehta	Geologist	shravya.mehta@maheshwaree.in	8349962239	MMPL Pvt Ltd
63	Shri Saikat Bhattacharyya	Sr. Consultant (Exploration)	saikat@mapl.in	6289339388	Mining Associates Pvt. Ltd.

28.04.26

28/04/2026

64	Shri Subhayan Neogi	Deputy Manager (Geology)	subhayan@mapl.in	9046721363	Mining Associates Pvt. Ltd.
65	Shri Bharat Chandra Sahoo	CGM (Geo)	bharat.sahoo@odishamining.in	9438887784	Odisha Mining Corporation Ltd.
66	Shri Pinaki Mallick	GM (Geo)	pinaki.mallick@odishamining.in	9238087064	Odisha Mining Corporation Ltd.
67	Dr. Prasanta Kumar Nayak	DGM (Geo)	pknayak@odishamining.in	9438039323	Odisha Mining Corporation Ltd.
68	Shri Tripati Narayan Panigrahi	DGM (Geo)	tripati.panigrahi@odishamining.in	7008831604	Odisha Mining Corporation Ltd.
69	Dr. Lingaraj Sahoo	DGM (Geo)	lingaraj.sahoo@odishamining.in	9437603370	Odisha Mining Corporation Ltd.
70	Smt. Shibani Mahanta	Sr. Manager (Geo)	smahanta@odishamining.in	9437637292	Odisha Mining Corporation Ltd.
71	Shri Vinod RV	Sr. Manager (Geo)	vinod.rv@odishamining.in	9995901357	Odisha Mining Corporation Ltd.
72	Shri Rajdeep Behera	Manager (Geo)	rajdeep.behera@odishamining.in	9438786086	Odisha Mining Corporation Ltd.
73	Shri Manorama Mohapatra	PC, ELPL	explorationnabet@gmail.com	9668511831	Eartnenviro Lab Pvt. Ltd., Bhubaneswar
74	Mallikarjun BL	Chief General Manager(Exploration)	apcdrilling@gmail.com	9422801575	APC Drilling & Construction Pvt. Limited
75	Shri C.S.Ramesh	General Manager(Exploration)	apcdrilling@gmail.com	9980544027	APC Drilling & Construction Pvt. Limited
76	Shri Atul Rathore	Deputy General Manager(Exploration)	apcdrilling@gmail.com	7011884417	APC Drilling & Construction Pvt. Limited
77	Shri Bhubham Nimbulkar	Geologist	shubhamnimbulkar238@gmail.com	9579211021	Bhushilp Mines and Minerals Private Limited
78	Dr.Debashish Padhi	Junior Professional (Geo)	debashishomecl@gmail.com	6383505139	Odisha Mining Corporation Ltd.
79	Dr. R.K. Sharma	Project Coordinator	rajsuman87@gmail.com		Vardan Environet LLP
80	Shri BB Sharma	TAE- Geology	bbsharma.gsi@gmail.com		Vardan Environet LLP
81	Shri Anshul Yadav	Managing Partner	anshul@vardan.co.in		Vardan Environet LLP
82	Shri Sagar Ranjan Satpathy	Sr. Geologist	exploration@vardan.co.in		Vardan Environet LLP
83	Shri Nani Babu M	Dy. Manager (Exploration & Geology)	nanibabu.m@gts-india.com	8919213290	GMMCO Technology Services Ltd
84	Shri Ramulu M	Dy. Manager (Exploration & Geology)	ramulu.m@gts-india.com	9052391710	GMMCO Technology Services Ltd
85	Dr. Pundarika Rao D	Head (Exploration & Geology)	pundarikarao.d@gts-india.com	9440723239	GMMCO Technology Services Ltd
86	Smt Suman Aich	Sr. Project Consultant (Mineral Resource & Exploration)	suman.aich@mtcspl.com	7227038405	M/s Mining Tech Consultancy Services Limited
87	Shri Santosh Kr. Sadangi	Sr. Project Consultant (Mineral	santoshkumar.sadangi@mtcspl.com	7486025037	M/s Mining Tech Consultancy Services

28.04.26

28/04/2026

		Resource & Exploration)			Limited
88	Shri Ritwik Ganguly	Geospatial Data Analyst (Mineral Resource & Exploration)	ritwik.ganguly1@mtcspl.com	7908626708	M/s Mining Tech Consultancy Services Limited
89	Shri Basavaraj Bogone	Sr. Project Consultant (Mineral Resource & Exploration)	basavaraj.bogone@mtcspl.com	9113063952	M/s Mining Tech Consultancy Services Limited
90	Shri Ankush Saxena	Project Head	dgm-min@fagmil.nic.in	9413221576	FAGMIL
91	Shri Saransh Srivastav	Geologist			FAGMIL
92	Dr Nafisa Begum	Geologist			FAGMIL
93	Shri Pawan Kumar	Geologist			FAGMIL
94	Shri Anhsul Harsh	Geologist			FAGMIL
95	Smt Priyanshi Parihar	Geologist			FAGMIL
96	Shri Ravi Chauhan	Geologist			FAGMIL
97	Representatives from DGM Chhattisgarh				
98	Representatives from DGM Maharashtra				
99	Representatives from DGM Rajasthan				
100	Representatives from CGM Gujarat				
101	Representatives from DGM Odisha				
102	Representatives from DGM Madhya Pradesh				
103	Representatives from MAPL				
104	Representatives from Geo Exploration and Mining Solution				
105	Ms. Bishakha	Senior Geologist	sr.geologist1-nmet@gov.in	8126541605	NMEDT
106	Smt. Palak Kapoor	Senior Geologist	sr.geologist4-nmet@gov.in	8851742488	NMEDT

28.04.26

28/04/2026