

Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 23rd meeting of Technical-cum-Cost Committee - II (TCC - II)
held on 16th and 17th February 2026

The 23rd meeting of Technical-cum-Cost Committee-II (TCC-II) of National Mineral Exploration and Development Trust (NMEDT) was convened through video conferencing under the Chairmanship of Shri Pradeep Singh, Deputy Director General (DDG), Geological Survey of India (GSI) and Chairman, TCC-II, NMEDT held on 16th and 17th February 2026.

Members of TCC-II, NMEDT and representatives from Mineral Exploration and Consultancy Limited (MECL), M/s Natural Resources Division-Tata Steel Limited (NRD-Tata), M/s Critical mineral trackers (CMT), FCI Aravali Gypsum and Minerals India Limited (FAGMIL), Central Mine Planning & Design Institute Limited (CMPDI), Department of Mines, Minerals & Geology, Sikkim (DMMG, Sikkim), M/s Eartnenviro Lab Private Limited, M/s Bhushilp Mines and Minerals Private Limited, M/s Maheshwari Mining Private Limited (MMPL), M/s My World Consultancy Services Private Limited (WCS), M/s Kartikay Exploration and Mining Services Private Limited, M/s PRB Infra projects Limited, Madhya Pradesh State Mining Corporation Limited (MPSMCL), M/s Geo Marine Solutions Private Limited, M/s Ocean Drilling and Exploration Private Limited, M/s Mining Tech Consultancy Services Limited (MTCS), M/s Geovale Services Private Limited, M/s APC Drilling & Construction Private Limited, M/s Enkay Enviro Services Private Limited, M/s Vibrant Techno Lab Private Limited, M/s S and S Geological Consultants, M/s. GeoExpOre Private Limited, M/s GEMS Project Private Limited, DMG Rajasthan, DGM Jharkhand, etc. have attended the meeting through video conferencing mode. The list of participants is at **Annexure-1**.

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

23.1 Technical Evaluation of New Project Proposals

Agenda 23.1.1 Preliminary Exploration (G-3) for Iron and Manganese in Rivona block (5.70 sq.km) District- South Goa, Goa.

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

- a) DGM Goa informed that the Village Rivona, Sanguem Taluka, South Goa District (now Kushavati District), has been included in the draft notification issued vide S.O. 3060(E) dated 31/07/2024 by the Ministry of Environment, Forest and Climate Change, Government of India (Extraordinary Gazette, Part II, Section 3(ii)), as the village falling within the Western Ghats Ecologically Sensitive Area.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	Work in 1996 showed Iron ore deposits consisting of haematite, magnetite, limonite and goethite occur as lenticular bodies of varying dimensions within the pink phyllite horizon along the crests and slopes of hills. A total indicated reserves of 24.077 M. tonnes of iron ore with about 58 percent iron content, of which about 21.395 M. tonnes are lumpy and smalls and 2.682 M, tonnes of friable and powdery ore are estimated to be available in the area. Presently, GSI is not carrying out any exploration.

2	DMG Goa	The village Rivona in Taluka Sanguem, South Goa (now Kushavati District), is enlisted in draft Notification No. S.O. 3060(E) dated 31/07/2024 issued by MoEF&CC as a village falling in Western Ghats Ecologically Sensitive Area (ESA).
3	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c) The TCC-II observed that, as Rivona village being situated within the Western Ghats Ecologically Sensitive Area, the promotion of mineral exploration activities in the proposed area is inappropriate, as mining operations would not be permissible in the said area.

Recommendation TCC-II

The Committee did not recommend the proposal in view of Rivona village being situated within the Western Ghats Ecologically Sensitive Area.

Agenda 23.1.2 Preliminary Exploration (G-3) for REE and associated Minerals in Koliyasar-East block (5.76 sq.km), District- Balotra, Rajasthan.

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

- a. The proposed block of 5.76 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet No. 45 C/6 and lies within parts of Balotra District, Rajasthan.
- b. The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	UNFC G4 stage investigation for REE and rare metal mineralisation was carried out in the Siwana area, Barmer district, Rajasthan, during Field Season 2014–15 by Geological Survey of India, Western Region, Jaipur (Code No. ME/WR/RAJ/2014/045, Item 56), with the objective to assess REE and rare metal potential. The work comprised large-scale geological mapping over 115 km ² on 1:12,500 scale, collection of 148 bedrock grab samples, 53 channel samples, and pitting of 50 m ³ . In Bhimgoda ka Pahar, 55 rhyolite samples yielded Σ REE+Y values ranging from 215.86 to 4938.30 ppm and 22 tuff samples showed 129.92 to 3793.72 ppm. In Koiliyasar ka Pahar, 30 rhyolite samples recorded Σ REE+Y values between 231.24 and 4295.33 ppm, while 2 tuff samples yielded 309.66 to 9103.41 ppm. Additionally, 6 rhyolite samples collected near Indrana and Guranal villages showed Σ REE+Y values ranging from 1076.69 to 3908.11 ppm, indicating significant enrichment of REE in felsic volcanic lithounits of the Siwana area. At present no exploration/reconnaissance projects is going on for REE, RM and associated elements.
2	AMD	AMD has planned Reconnoitre core drilling (G-3 Stage) in Rebariyon ki Dhani (Koliyasar) for Uranium and REE mineralisation during ensuing Annual Programme 2025-26. The block is not recommended for avoiding duplication of work.
3	DMG	Consent for exploration is given in the said area and MECL be advised to get necessary permissions/clearances from Forest department, Government of Rajasthan
4	NMEDT	Shows partial overlap with GSI FS 2026-27 ongoing block

- c. As per the comments received from AMD, the entire proposed block has an overlap with the AMD's exploration area.

- d. In view of the above, to avoid duplication of exploration work, the TCC-II did not recommend the proposal.

Recommendation TCC-II

The Committee did not recommend the proposal based on AMD work to avoid duplication of work.

Agenda 23.1.3 Preliminary Exploration (G-3) for chromite and associated minerals around Patna-Chinguripal Chromite Block, Jajpur District, Odisha.

[Implementing Agency: M/s Natural Resources Division-Tata Steel Limited (NRD-Tata)]

- a) The proposed block for preliminary exploration (G3), covers 8.37 sq. km area which falls within Survey of India Toposheet no. 73G/16, in parts of Jajpur District, Odisha.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The proposed block has been allotted allotted to NPEAs, by the JWG of TCC-I & II of NMEDT. The proposed block can be taken up at G3 stage.
2	DMG	The proposed block is overlapping with Kaliapani Chromite Mine of OMC Ltd and Ostapal Chromite Mines of M/s FACOR Ltd which are subsisting leases and overlaps with the proposed exploration block. Hence, the overlapping area needs to be excluded.
3	MECL	The block proposed is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c) NRD-Tata informed that in the 3rd Joint meeting of Technical Cum-Cost Committees (both TCC-I & TCC-II) of NMEDT, held on 4th September, 2025, two (2) blocks from the legacy reports of state DGM (CN-187 & CN-446) were allocated to them for upgradation through NMEDT Fund. The agency informed (As per NGCM data soil and stream sediment sampling was carried out in nearly regular grid of 2 km X 2 km spacing in toposheet 73G/16. In the block samples near to the Chinguripal-IMFA mine showed the most anomalous value of chrome (≈ 15000 ppm) and then it decreases away towards western end of the block.) and the block lies within a relatively high gravity zone (≈ 2 mGal) compared to surrounding areas. The agency informed NRD-Tata has also carried out some field traverses and collected 15 bed rock samples/grab samples which showed Cr₂O₃ values from 0.02% to 1.2% and Ni values up to 0.22%.
- d) The TCC-II advised modification in the proposed block by excluding the northern hilly terrain and the areas occupied by quartzites. Accordingly, the area of the proposed block has been reduced to 3.9 sq. km.
- e) DGM, Odisha, informed that the Chinguripal Mining Block has not been taken over by the Government of Odisha. Accordingly, it was advised to amalgamate the proposed block with the Chinguripal Mining Block after obtaining a No Objection Certificate (NOC) for exploration, from the Government of Odisha.
- f) Cost evaluation was done for the proposal. The TCC-II advised Drone Topographic Survey in place of Survey with Total Station. It was agreed that, in Phase-I, five boreholes shall be drilled in Band-III to a vertical depth of 50 metres each, with a total drilling meterage of 400 metres; and in Phase-II, five boreholes shall be drilled in Band-III to a vertical depth of 100 metres each, with a total drilling meterage of 650 metres. Based on the results of Geophysical Survey in northern parts of the block, additional 500m drilling, if required, shall be undertaken to intersect the Band-IV.

Recommendation TCC-II




The committee recommended the proposal for approval of PSC for “Preliminary Exploration (G-3) for chromite and associated minerals around Patna-Chinguripal Chromite Block, Jajpur District, Odisha.” with an estimated cost of ₹417.81 Lakh (including GST) within the time schedule of 12 months and submission of the report as per Annexures 2A & 2B. The item will be reviewed after 03 months & 08 months. In Phase-I, five boreholes shall be drilled in Band-III to a vertical depth of 50 metres each, with a total drilling meterage of 400 metres; and in Phase-II, five boreholes shall be drilled in Band-III to a vertical depth of 100 metres each, with a total drilling meterage of 650 metres. Additional 500m drilling to intersect the Band-IV, will be decided after review of the results of Geophysical Survey.



Estimated Cost for Preliminary Exploration (G3) for Chromite and associated minerals around Patna-Chinguripal village

District: Jajpur, State: Odisha

Total Area - 3.90 sq. km; No. of Boreholes - 15 (Phase-I : 5 bhs & Phase-II : 10 bhs); Drilling meterage 1455m;

Completion Time - 12 Months; Reviews: 3 months, 8 months,

Implementing Agency : Natural Resources Division-Tata Steel Limited

Sl. No	Item of Work	Unit	Per Unit Cost as per SOC (2025)		Estimated Cost of the Proposal		Remarks
			SoC Item SI No	Rates as per SoC (Rs)	Quantity	Amount (Rs.)	
A	Geological Mapping						In-house
2	Geologist: Field work	Mandays	1.2.1a	14500	150	2175000	
3	Geologist: Project Manager at HQ	Mandays	1.2.1a	10500	60	630000	
4	Labour charges (for sample collection, packaging, carrying)	Mandays	5.8	541	300	162300	As per rates prescribed by Central Labour Commission rates or respective State Governments, whichever is higher. All statutory contributions and taxes, shall be reimbursed separately subject to production of receipts
5	Excavation of Pit between 2.0m to 5.0 m with backfilling	per cu m	2.1.3	6662	15	99930	

6	Charges for one sampler per day (for sample preparation)	Mandays	1.2.1b	7850	78	612300	
7	Labour charges (for sample preparation)	Mandays	5.8	541	312	168792	
8	Drone Topographic survey	pert sq.km	7b	70000	4	273000	
10	Demarcation of block boundary, Fixation of borehole	Per Point Observation	1.3.2	24000	27	648000	10 boreholes + 17 Boundary pillars
Sub Total - A						4769322	
B	Mineral Investigation						Outsourced (B2 to B5)
1	Trenching	per cu m	2.1.1	4125	100	412500	
2	Drilling in hard rock (HQ size)	per m	2.2.1.1d	10000	1550	15500000	HQ size; Core drilling Phase-I: 400m: 5 nos of 50m vertical depth (Band-III) Phase-II: 650m: 5 nos of 100m vertical depth(Band-III) Scout- 500m : 5 nos (Band IV)
3	Borehole deviation survey by multi shot survey tool	Per Shot	2.2.5	330	108	35750	Only for Phase-II borholes
4	Borehole pillaring	per borehole	2.2.7	2000	15	30000	
5	Drill core preservation	per m	5.3	1590	450	715500	One full core + skeletonized part of mineralization
6	Land/ Crop compensation	per borehole	5.6	30000	15	450000	Amount will be reimbursed as per actuals or max. Rs. 30000 per BH with certification from local authorities.
Sub Total - B						17143750	

C	Geophysical Survey						Outsourced (C1 to C3)
1	Magnetic Surveys	Per station	3.2a	1800	400	720000	100m x100m grid
2	Gravity Method-Regional/Detailed	Per station	3.1a	3800	560	2128000	100m x30m grid (1.52 Sq. Km.)
3	Induced Polarization (Dipole-Dipole)	Line km	3.4a	69950	10	699500	
4	Field monitoring charges for the outsourced activity	Charges for one Geophysicist per day	3.19b	14500	60	870000	Inhouse
	Sub Total - C					4417500	
D	Laboratory Studies						Outsourced (D2, D3)
1	Analysis of chrome-ore sample by wet chemical method (12 determinations)	Per sample	4.1.4	6760	510	3447600	BRS: 30 Pit+Trench: 30 Borehole: 450
2	External 10% Check (Analysis of chrome-ore sample by wet chemical method (12 determinations)	Per sample	4.1.4	6760	51	344760	
3	Analysis of one rock sample/ soil sample for quantitative analysis of 14 REE elements +9 trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th, Ni, Sc, Ti, V) by ICP-MS	Per sample	4.1.15 & 4.1.15a	9084	40	363360	BRS:-20, Soil sample -20 (pit and trench)
						4155720	
E	Physical and Petrographic Studies						Outsourced (E1 to E5)
1	Preparation of standard thin section of rock	Per sample	4.3.1	500	10	5000	
2	Complete petrographic study	Per sample	4.3.4	2800	10	28000	
3	Preparation of polished thin section of rock	Per sample	4.3.2	800	10	8000	
4	Complete mineragraphic studies	Per sample	4.3.4	2800	10	28000	
5	XRD analysis for identification of minerals (Random)	Per sample	4.5.2	4000	15	60000	

6	Bulk density - Dry/ Saturated	Per sample	4.8.3	2500	5	12500		
	Sub Total - E						141500	
F	Other Studies						Outsourced	
1	Beneficiation study (lab scale)	Per sample	4.7.2	500000	2	1000000	Actual expenses at IBM rate	
	Sub Total - F						1000000	
	TOTAL (A+F)						31627792	
G	Miscellaneous Charges	lump sum	2.2.9			2000000		
1	Preparation of exploration proposal		5.1			500000		
2	Geological report preparation		5.2			750000		
3	3D Ore body modelling using SURPAC		5.4			500000	as per actual	
4	Peer Review					30000		
	Sub Total - G						3780000	
H	Total Estimated Cost without GST						35407792	
I	Provision for GST (18%)						6373403	
J	Total Estimated Cost with GST						41781195	
K	Total Estimated Cost with GST (in Lacs)						417.81	
Note:								
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.							
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In							
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.							
5	Any item of work not mentioned above shall be added as per SoC.							
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.							

Time Schedule/ Action Plan for Preliminary Exploration (G3) for Chromite and associated minerals in Patna- Chinguripal Chromite Block, Jajpur District, Odisha
Name of the Exploration Agency - Natural Resources Division-Tata Steel Limited
Total Area – 3.90 Sq. Km; Completion Time - 12 Months; Reviews: 3 months, 8months.

Sl. No.	Activity Plan	M1	M2	M3	Review-1	M4	M5	M6	M7	M8	Review-2	M9	M10	M11	M12		
1	Lithological Mapping (1:4000 scale), Topographical Survey by DGPS	█	█														
2	Pitting		█														
3	Sample preparation for chemical analysis		█														
4	Sample analysis		█	█													
1st Review by TCC on progress and Outcome																	
5	Geophysical survey (Magnetic, Gravity and Electrical Resistivity) over potential areas						█	█	█	█							
6	Processing and interpretation of Geophysical survey data								█	█		█					
7	Synthesis of all data, interpretation and review											█					
2nd Review by TCC on progress and Outcome																	
8	Trenching											█					
9	Exploratory drilling, borehole collar survey etc													█	█	█	█
10	Logging, sampling, sample preparation, interpretation resource assessment													█	█	█	█
11	Petrographic, trace element study											█	█	█	█		
Final Review by TCC on progress and Outcome																	
12	Peer Review													█	█		
13	Final Report preparation and submission													█	█		

Agenda 23.1.4 Reconnaissance Survey (G-4) for Limestone in Shumnag Block (Deckchur Ridge), Trehgam, Kupwara District, Kashmir.

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

- The proposed area of 42.43 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet No. 43 J/2 and lies within parts of Kupwara District, Kashmir.
- The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The entire proposed block is covered by STM and G-4 stage (FSP 2019-20) investigations by GSI. Therefore, there will be a complete overlap and duplicity in work in area/block proposed by NPEA
2	DGM	The area has been already covered for G4 and G3 investigation for the mineral commodity of Limestone and Marble.
3	MECL	The block proposed is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- As per the comments received from GSI, in this area, a G4 stage of exploration work for Marble and Calc-Silicate has already been done during FS 2019-20.
- In view of the above the TCC-II did not recommend the proposal.

Recommendation TCC-II

The Committee did not recommend the proposal to avoid duplication of exploration work, as informed by DGM and GSI.

Agenda 23.1.5 Reconnaissance Survey (G-4) for Tin and associated minerals in parts of Sharadputa-Kyang-udaygiri and Padampur-Padmagiri block, Malkangiri District, Odisha.

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

- The proposed area of 172.19 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet No. 65J/2 and 65F/15 and lies within parts of Malkangiri District, Odisha.
- The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	As per the available data, G4 stage investigation for Tin has been carried out by GSI from FS: 1978-79 to 1985-86 in the proposed area. During FS 2024-25, a G4 stage exploration was also carried out for Tin and REE.
2	DMG	Written Comments not received
3	MECL	The block proposed is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- Comments from DGM, Odisha were pending during the meeting.
- As per the comments received from GSI, the proposed Sharadputa-Kyang-udaygiri part has complete overlap with already explored G4 area of GSI in FS 2024-25. However, there is no overlap with the Padampur-Padmagiri area.

- e) In view of the above the TCC-II deferred the evaluation of this DPR till receipt of comments/consent from State Government.

Recommendation TCC

The Committee deferred the proposal (for 15 days) till receipt of comments/consent from State Government.

Agenda 23.1.6 Reconnaissance Survey (G-4) For Copper and Associated minerals in Palla Block, Panchmahal District, Gujarat.

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

- a) The proposed area of 51.63 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet No. 46 F/10 and lies within parts of Panchmahal District, Gujarat.
 b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	None of any ongoing exploration/reconnaissance projects related to Copper and any other mineral projects were carried out in the proposed area
2	CGM	Written comment not received
3	MECL	Proposed block has partial overlapping with the CGM consented Vadodra Phosphorite and Phosphorite hosted REE block
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c) Comments from CGM, Gujarat were pending during the meeting.
 d) The TCC-II advised limited field work along with collection of samples by the agency itself for more mineral evidences. All available data from previous works to be incorporated in the detailed project report (DPR).

Recommendation TCC

The Committee deferred the proposal (15 days) till receipt of comments/consent from State Government. Limited field work along with collection of samples to be done and all available data from previous works to be incorporated in the DPR.

Agenda 23.1.7 Preliminary Survey (G-3) for Graphite mineralization in Saloli block, Alwar District, Rajasthan.

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

- a) The proposed preliminary exploration (G3) block, covering an area of 1.5 sq. km, is located in Survey of India Toposheet No. 54A/12 and falls within parts of Alwar districts, Rajasthan.
 b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	G4 stage reconnaissance for graphite mineralisation was carried out in the Rajgarh–Saloli block (Topo sheet 54A/12), covering ~100 sq. km through large-scale mapping. A total of 80 bedrock samples from carbon phyllite yielded fixed carbon values ranging from 0.3% to 17.35%, with an average of ~7%. Additionally, 50 trench samples (SLTR-01 & SLTR-02) were analysed, indicating low Cu (10–40 ppm) and Fe (1.06–3.0%). Five amphibolite samples were analysed for base metals, of which two recorded 840 ppm and 0.1% Cu. Detailed ground geophysical surveys (SP, IP-chargeability, resistivity and magnetic) over 2 sq. km potential blocks at Jamdoli and Saloli revealed distinct positive SP and IP anomalies, suggesting promising subsurface graphite mineralisation.




		The proposed NPEA G-3 block showing nearly 60-65% overlapping with the GSI approved Buchpuri-Saloli G-3 block for FS 2026-27
2	DMG	The area falls within the FSI Aravalli Polygon. Since the proposed exploration area falls within the FSI Aravalli Polygon, any consent/permission for exploration shall be governed by and subject to compliance with the directions/orders of the Hon'ble Supreme Court issued in respect of the Aravalli Hills, as amended from time to time.
3	MECL	Has not carried out exploration in the proposed area
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

c) As per the comments received from GSI, about 60-65% of the proposed area has an overlap with the GSI's G3 stage exploration block for FS 2026-27.

d) In view of the above the TCC-II did not recommend the proposal.

Recommendation TCC

The Committee did not recommend the proposal as the proposed area falls within FSI Aravalli polygon and subject to compliance with the directions/orders of the Hon'ble Supreme Court issued in respect of the Aravalli Hills, as amended from time to time.

Agenda 23.1.8 Preliminary Survey (G-3) for Graphite mineralization in Jamdoli block, Alwar District, Rajasthan.

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

a) The proposed preliminary exploration (G3) block, covering an area of 3.0 sq. km, is located in Survey of India Toposheet No. 54 A/12 and falls within parts of Alwar districts, Rajasthan.

b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	G4 stage reconnaissance for graphite mineralisation was carried out in the Rajgarh-Saloli block (Topo sheet 54A/12), covering ~100 sq. km through large-scale mapping. A total of 80 bedrock samples from carbon phyllite yielded fixed carbon values ranging from 0.3% to 17.35%, with an average of ~7%. Additionally, 50 trench samples (SLTR-01 & SLTR-02) were analysed, indicating low Cu (10-40 ppm) and Fe (1.06-3.0%). Five amphibolite samples were analysed for base metals, of which two recorded 840 ppm and 0.1% Cu. Detailed ground geophysical surveys (SP, IP-chargeability, resistivity and magnetic) over two 1 sq. km potential blocks at Jamdoli and Saloli revealed distinct positive SP and IP anomalies, suggesting promising subsurface graphite mineralisation. The proposed NPEA G-3 block showing entirely overlapping with the GSI approved Jamdoli G-3 block for FS 2026-27
2	DMG	The area falls within the FSI Aravalli Polygon. Since the proposed exploration area falls within the FSI Aravalli Polygon, any consent/permission for exploration shall be governed by and subject to compliance with the directions/orders of the Hon'ble

		Supreme Court issued in respect of the Aravalli Hills, as amended from time to time.
3	MECL	Has not carried out exploration in the proposed area
4	NMEDT	There are no NMEDT funded block and auctionable block in the proposed area.

- c) As per the comments received from GSI, there is a complete overlap of the proposed area with the GSI's G3 stage exploration block for FS 2026-27.
- d) In view of the above the TCC-II did not recommend the proposal.

Recommendation TCC

The Committee did not recommend the proposal as the proposed area falls within FSI Aravalli polygon and subject to compliance with the directions/orders of the Hon'ble Supreme Court issued in respect of the Aravalli Hills, as amended from time to time.

Agenda 23.1.9 Reconnaissance Survey (G-4) For Graphite in Gokhra Area (Cluster 16) (72 sq.km), District: Kalahandi, Odisha.

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

- a) The proposed area of 72 sq. km for Reconnaissance Survey (G4), is located in Survey of India Toposheet No. 64 P/7 and 64 P/8 and falls within parts of Kalahandi districts, Odisha.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	No ongoing exploration/reconnaissance projects related to Graphite or any other mineral commodity is being carried out by GSI in the proposed area.
2	DMG	Notification under rule 67 of MC Rules 2016 for allotment of two mineral blocks of Kalahandi District in favour of Central Mine Planning and Design Institute Ltd. for carrying out exploration dated 24 th February 2025
3	MECL	No ongoing exploration/reconnaissance projects related to Graphite or any other mineral commodity is being carried out by MECL in the proposed area.
4	NMEDT	No overlapping with NMEDT funded projects

- c) The agency informed that they have carried out field work and collected 3 samples from the proposed area. Analytical result showed Fixed Carbon (FC) value of 30.10%, 26.90% and 34.60% from these samples.
- d) Cost evaluation for the proposal was done. The TCC-II accorded its approval for drilling in five boreholes, each to a vertical depth of 30 metres, with a total drilling meterage of 350 metres. Initially, SP survey will be undertaken covering 20-line kilometres; however, the exact extent shall be finalized after review.

Recommendation TCC

The committee recommended the proposal for approval of PSC for "Reconnaissance Survey (G-4) For Graphite in Gokhra Area (Cluster 16) (72 sq.km), Districts: Kalahandi, Odisha." with an estimated cost of ₹123.60 Lakh (including GST) within the time schedule of 10 months and submission of the report as per Annexures 3A & 3B. The item will be reviewed after 05 months. Five boreholes will be drilled, each to a vertical depth of 30 metres, with a total drilling meterage of 350 metres.

Estimated cost for Reconnaissance Survey (G-4) For Graphite in Gokhra Block (Cluster 16) (72 Sq.Km), Districts: Kalahandi, State: Odisha
Total Area -72 Sq.Km; No. of Boreholes - 5 (Scout Borhole: 5 bhs); Drilling meterage 350m
Implementing Agency : Central Mine Planning & Design Institute Limited (CMPDI)

S.N	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks/ Assumptions
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	
A	GEOLOGICAL WORK						
1	Large Scale Geological mapping (1:12500 scale)						
a	Charges for Geologist per day at field	day	1.2.1a	14,500	90	13,05,000	
b	Geologist HQ Charges	day	1.2.1a	10,500	30	3,15,000	
c	Geological Mapping Charges	per sq km	1.1	18,300	72	13,17,600	
d	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	28	2,19,800	
	Labour charges (for sample preparation)	Mandays	5.8	541	112	60,592	
e	Trenching	Cu.meter	2.1.1	4,125	70	2,88,750	
	Sub Total A					35,06,742	
B	DRILLING (Outsourced)						
a	Drilling -Hard rock	m	2.2.1.1d	10,000	350	35,00,000	Scout Borhole 5 bhs, 30m vertical depth each

c	Land / Crop Compansation (in case the BH falls in agreecultural Land)	per BH	5.6	30,000	5	1,50,000	
d	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	5	10,000	
j	Drill Core Preservation	per m	5.3	1,590	70	1,11,300	
k	Borehole plugging	per borehole	2.2.8	10,000	5	50,000	
	Sub Total B					38,21,300	
C	Survey Work						
a	DGPS Survey of Block Boundary cardinal points by DGPS + BH fixation & RL determination	Per Point of observation	1.3.2	24,000	5	120000	
	Sub Total C					1,20,000	
D	Geophysical investigation						
a	Self Potential	Line km	3.3a	62,140	20	12,42,800	Exact quantum to be decide after review
	Sub-Total D					12,42,800	
E	LABORATORY STUDIES (Outsourced)						
	<u>BRS Samples</u>						
a	Proximate Analysis of Graphite	per sample	4.1.18	3,614	160	5,78,240	BRS:-50, Trench:-60, BH-50
b	Check samples for Proxiamte analysis (external 10%)	per sample	4.1.18	3,614	16	57,824	

c	For Major Oxides by XRF Method	per sample	4.1.17a	4,200	20	84,000	BRS:-10, Trench:-10
d	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique)	Nos	4.1.15	7,400	15	1,11,000	
	<u>Pit/Trench Samples</u>						
	Petrographic & Mineragraphic samples (Surface+Bh Core Samples)						
l	Preparation of thin section	Nos	4.3.1	500	15	7,500	
m	Complete petrographic study report	Nos	4.3.4	2,800	15	42,000	
n	Preparation of polished section	Nos	4.3.2	800	10	8,000	
o	Complete mineragraphic study report	Nos	4.3.4	2,800	10	28,000	
p	SEM/EDX	hr	4.4.1a	8,800	5	44,000	
	Total - E					9,60,564	
	Sub Total - (A to E)					96,51,406	
F	Geological Report Preparation (5 Hard copies with a soft copy)		5.2			2,50,000	

G	Preparation of Exploration Proposal		5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is lower		1,93,028	
H	Outsourced Supervision cost	10% of total Outsourced component	6			3,50,000	
L	Peer review Charges					30,000	
I	Total Estimated Cost without GST					1,04,74,434	
K	Provision for GST (18% of H)	%				18,85,398	GST will be reimburse as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					1,23,59,832	
				or Say Rs. In Lakhs		123.60	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

**Time Schedule for Reconnaissance Survey (G-4) For Graphite in Gokhra Area (Cluster 16), Districts: Kalahandi, Odisha.
Completion Time - 10 Months; Reviews :-5 months**

S. No	Activities													
		Months	1	2	3	4	5		6	7	8	9	10	
1	Mobilising	Months						Review						
2	Geologist Party days, Field (1 Party)	Days												
3	Survey Party days (1 Party)	Days												
4	Sampling (1Party)	Days												
5	Laboratory Studies	Nos.												
6	Geologist Party days, HQ (1 Party)	Days												
7	Report Writing & Peer Review	Months												
Note	Please add activities accordingly and timeline (months)													
	Total Time Period of Completion of Project-10 months from Sanction of Project													




Agenda 23.1.10 Reconnaissance Survey (G-4) For Copper in Jiawan Area (45 sq. km), District: Singrauli, Madhya Pradesh.

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

- a) The proposed area of 45 sq. km for Reconnaissance Survey (G4), is located in Survey of India Toposheet No. 63L/3 and 63L/7 and falls within parts of Kalahandi districts, Odisha.
- b) The agency informed that the proposal was presented in 21st meeting of TCC-II held on 19th and 22nd January 2026. The TCC-II had advised the agency to exclude areas overlapping with exploration items of GSI, as well as those areas that have already been explored by MECL. Accordingly, the proposed area has been modified to 45 sq. km.
- c) Further, the agency informed that, consequent upon modification of the initially proposed area, the prospective zone for graphite mineralisation and the Rehi village now fall outside the exploration area. Accordingly, the agency requested a change in the project title by removing the name of Rehi village and deleting graphite as a listed commodity.
- d) Cost evaluation for the proposal was done. The TCC-II agreed for change in the project title as "Reconnaissance Survey (G-4) For Copper in Jiawan Area (45 sq. km), District: Singrauli, Madhya Pradesh". The TCC-II accorded its approval for drilling in five boreholes, with a total drilling meterage of 300 metres.

Recommendation TCC

The committee recommended the proposal for approval of PSC for "Reconnaissance Survey (G-4) For Copper in Jiawan Area (45 sq. km), District: Singrauli, State: Madhya Pradesh." with an estimated cost of ₹92.36 Lakh (including GST) within the time schedule of 10 months and submission of the report as per Annexures 4A & 4B. The item will be reviewed after 05 months. Five boreholes will be drilled with a total drilling meterage of 300 metres.



Annexure-4A

**Estimate Cost for Reconnaissance Survey (G4) for Copper & associated minerals in Jiawan Area approx (45 Sq.Km), Districts:
Singrauli, State: MP
Total Area -45 Sq.Km; No. of Boreholes - 5 (Scout Borehole: 5 bhs); Drilling meterage 300m
Completion Time - 10 Months; Reviews: 5 months
Implementing Agency : Central Mine Planning & Design Institute Limited (CMPDI)**

Sl. No	Item Work	Item no in SoC	Unit	Rates as per SoC of NMET	Total		Remarks
					Qty.	Amount (Rs) In Lakh	
A	GEOLOGICAL WORK						
	Large Scale Geological mapping (1:12500 scale)	1.1	Per Sq .km	18300	45	823500	
1a	Geological Party days (1 party) Field mapping 1:12500	1.2.1a	Day	14500	75	1087500	
1b	Geological Party days (1 party) HQ	1.2.1a	Day	10500	30	315000	
1c	2 labours/ party (Rs 541/day/labour), As per rates of Central labour Commission)	5.8	Day	541	150	81150	As per rates prescribed by Central Labour Commission rates or respective State Governments, whichever is higher. All statutory contributions and taxes, shall be reimbursed separately subject to production of receipts
	Sub Total A					2307150	
B	Drilling & Sampling						

2a	Core drilling (outsourced)	2.2.1.1d	per meter	10000	300	3000000	BH-5
2b	Charges for one Sampler per day (1 Party)	1.2.1b	Day	7850	31	243350	
2c	Labour charges (for sample preparation)	5.8	Day	541	124	67084	
	Sub Total B					3310434	
C	SURVEY WORK						
3c	Fixation of BH Point	1.3.2	Per point	24000	5	120000	
	Sub Total C					120000	
D	PITTING- TRENCHING						
4b	Trenching	2.1.1	per Cu m	4125	50	206250	
	Sub Total D					206250	
E	Laboratory Studies						
	Chemical Analysis						
I	BRS Samples						
7a	Primary Sample for 6 radicals (Cu, Pb, Zn, Cr, Co & Ni) By AAS	4.1.8a & 4.1.8b	Per sample	3106	160	496960	BRS:-50, Trench:50, BH:-60
7b	External (10%) Check samples of 6 radicals	4.1.8a & 4.1.8b	Per sample	3106	16	49696	
7c	Analysis For Gold & Ag by Fire assay	4.1.5a	Per sample	5000	25	125000	BRS:-10, Trench:5, BH:-10
	(10%) Check samples	4.1.5a	Per sample	5000	3	15000	

7d	Whole rock analysis of Major Oxides	4.1.17a	Per sample	4200	15	63000	BRS:-10, Trench:5
	(10%) Check samples	4.1.17a	Per sample	4200	2	8400	BRS:-01, Trench:01
7e	Quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)	4.1.15	Per sample	7400	25	185000	
	(10%) Check samples	4.1.15	Per sample	7400	3	22200	
7f	Proximate Analysis for Graphite	4.1.18	Per sample	3614	5	18070	
	Sub Total E					9,83,326	
F	Physical & Petrological Studies						
8a	Preparation of thin section	4.3.1	per sample	500	10	5,000	
8b	Complete Petrographic studies	4.3.4	per sample	2800	10	28,000	
8c	Preparation of polished section	4.3.2	per sample	800	10	8,000	
	Sub Total F					41,000	
	Sub Total (A+B+C+D+E+F+G)					69,68,160	
G	Miscellaneous Charges						

9a	Tendering process cost	5.9	2% or 5 lakh whichever is lower			1,39,363	
9b	Reimbursement of cost in case of outsourced components of project work	6				3,00,000	
9c	Preparation of Exploration Proposal (2% of approved Project cost or 3.8 lakh whichever is lower)	5.1	lump sum	380000		1,39,363	
9d	Geological Report Preparation (1.5 lakh or 5% of total work value whichever is more)	5.2				2,50,000	
9e	Peer Review Charges			30000	1	30,000	
	Sub Total G					8,58,726	
	Sub Total (A+B+C+D+E+F+G)					78,26,886	
	GST (@18%)					14,08,840	
	Grand Total					92,35,726	
	or Say Rs. In Lakhs					92.36	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

Time Schedule for Reconnaissance Survey (G-4) For Copper in Jiawan Area (45 sq. km), District: Singrauli, State: Madhya Pradesh
Completion Time - 10 Months; Reviews: 5 months

S. No	Activities							Review						
			Months	1	2	3	4		5	6	7	8	9	10
1	Mobilising	Months												
2	Geologist Party days, Field (1 Party)	Days												
3	Survey Party days (1 Party)	Days												
4	Sampling (1 Party)	Days												
5	Laboratory Studies	Nos.												
6	Geologist Party days, HQ (1 Party)	Days												
7	Report Writing & Peer Review	Months												
Note	Please add activities accordingly and timeline (months)													
	Total Time Period of Completion of Project-10 months from Sanction of Project													




Agenda 23.1.11 Reconnaissance Survey (G-4) for graphite in Dhupidhara Block in Gyalshing and Namchi district, Sikkim.

[Implementing Agency: Department of Mines, Minerals & Geology, Sikkim (DMMG, Sikkim)]

- a) The proposed reconnaissance survey (G4), covering an area of 32.72 sq. km, is located on Survey of India Toposheet No. 78A/7 and falls within parts of Gyalshing and Namchi districts, Sikkim.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The proposed NMEDT block does not overlap with earlier GSI exploration blocks; however, it partly falls within the STM block of FS 2014–16. The STM study documented complex polyphase deformation (D1–D3) and progressive to retrograde metamorphism associated with thrust tectonics within the Lesser to Higher Himalayan metasedimentary sequences. A pegmatite mapping project has been taken up for FS 2026-27 with an aim to target critical mineral bearing pegmatite bodies in the block area which shows partial overlap with the proposed block.
2	MECL	The Modified proposed block does not overlap with MECL explored block and ongoing blocks.
3	NMEDT	There are no completed or ongoing NMEDT-funded projects in and around the proposed block

- c) The agency informed that previous geological exploration has been carried out by GSI in the nearby areas in 1970, 1977 and 2022. In the geological report by Singh G. 2022 the values for Fixed Carbon (FC) ranges from 2% to 39.37%.
- d) A comprehensive presentation incorporating all previous data of NGCM, NGPM, STM works, was not adequately detailed by the agency. The Committee advised that details of all adjacent blocks be included in the detailed project report. Agency should identify the host geology, structural features and further, emphasis may be placed on the calc-granulite portion of the area.

Recommendation TCC

The Committee deferred the proposal to the next TCC-II meeting (after 15 days), as the submission lacked proper integration and presentation of the available geological data in a comprehensive and coherent manner.

Agenda 23.1.12 Reconnaissance Survey (G-4) for basemetal and graphite in Phalidanda-Perbing-Bhanjyang Block in Namchi district, Sikkim.

[Implementing Agency: Department of Mines, Minerals & Geology, Sikkim (DMMG, Sikkim)]

- a) The proposed reconnaissance survey (G4), covering an area of 35.30 sq. km, is located on Survey of India Toposheet No. 78A/08 and falls within parts of Namchi district, Sikkim.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
		Specialized Thematic Mapping (FS 2024–25) delineated the Gorubathan Formation (Daling Group), Lingtse Granite Gneiss, and Rangit Pebble Slate, and assessed base-metal and ultrapotassic alkaline potential. The area

1	GSI	<p>comprises low-grade Proterozoic quartzite–phyllite/schist assemblages affected by three deformation phases (D₁–D₃), hosting structurally controlled sulphide mineralization (pyrite–chalcopyrite–arsenopyrite).</p> <p>Geochemical data indicate significant V (≤621 ppm) and As (≤2482.86 ppm) enrichment in carbonaceous phyllite. Ultrapotassic alkaline intrusives near Simik Gompa show notable REE enrichment (LREE ~1340 ppm; TREE ~1445 ppm). The formation represents passive-margin Proterozoic sedimentation subsequently modified by multiphase Himalayan deformation, controlling strain localization and mineralization</p> <p>The proposed NMEDT block shows partial overlapping with the earlier explored block of GSI, FS 1991-92 carried out for potential sulphide mineralization, in Pamphukhani, area. Further, the proposed NMEDT block shows overlap with the GSI's 65th CGPB approved G4 exploration block of FS 2026-27 for REE around Perbing-Poklok-Chumlok area.</p>
2	MECL	Overlap with proposed block Maniram-Bhanjyang area in 68th TCC meeting where the committee did not recommend the item to prevent any duplication as the item was already taken up by AMD.
3	NMEDT	There are no completed or ongoing NMEDT-funded projects in and around the proposed block

- c) As per the comments received from GSI, there is a complete overlap of the proposed area with the GSI's G4 stage exploration block for FS 2026-27.
The proposed NMEDT block shows overlapping with the GSI's 65th CGPB approved G4 exploration block of FS 2026-27 for REE around Perbing-Poklok-Chumlok area.
- d) The committee observed that a G4 project proposal of the Bhanjyang Area (70.42 sq. km) was discussed in 68 TCC meeting. The committee did not recommend the item to prevent any duplication as the item was already taken up by AMD annual programmed 2024-25.
- e) In view of the above the TCC-II did not recommend the proposal.

Recommendation TCC

The Committee did not recommend the proposal as proposed NMEDT block shows overlapping with the GSI's 65th CGPB approved G4 exploration block of FS 2026-27 for REE around Perbing-Poklok-Chumlok area and the area was taken up for study by AMD as per minutes of 68th TCC meeting.

Agenda 23.1.13 Reconnaissance Survey (G4) for Graphite and associated Minerals around Mankota Area, West Siang District, Arunachal Pradesh.

[Implementing Agency: Eartnenviro Lab Private Limited]

- a) The proposed reconnaissance survey (G4), covering an area of 50.00 sq. km, is located on Survey of India Toposheet No. 82 P/1 and falls within parts of West Siang district, Arunachal Pradesh.
- b) The agency informed that a project for G4 stage of reconnaissance survey around Mankota Area (adjacent to the present area) was evaluated and recommended in 13th TCC-II meeting held on 22nd, 23rd & 24th September 2025 after in-principle approval in 12th TCC-II meeting. However, comments from State DGM were pending during the meeting. Further, the proposal was deferred in 2nd PSC meeting held on 4th November 2025 for re-evaluation of the cost as per revised Schedule of Charges (SoC) of NMEDT. The proposal was again presented in 18th meeting of TCC-II held on 4th & 8th December 2025. Meanwhile, DGM Arunachal Pradesh informed through mail, dated 4.12.2025, that the proposed area may overlap with other

planned projects of the State Government or the Central Government and requested that the proposal to be verified appropriately before further processing. Considering the scenario, TCC-II kept the proposal on hold until receipt of comments from DGM Arunachal Pradesh and other state/central agencies.

- c) NMEDT secretariat informed that, as per the suggestions from State DGM, the implementing agency has carved out a new area and proposed for evaluation in the northern part of the earlier proposed area.
- d) Eartnenviro Lab Private Limited informed that they have visited the field area and collected 3 samples. Analytical result of these samples has shown values of Fixed carbon (FC) 6.28%, 7.17% and 10.24%.
- e) Based on the above facts, the TCC-II agreed to recommend the proposal and its cost evaluation was done as per the revised SoC of NMEDT. Since, there is not much information about lithological/structural control over mineralisation, the TCC-II opined that prior to drilling activities, geological mapping and results of sample analysis must be reviewed. So, initially in first phase, only geological mapping, trenching, sampling and chemical analysis were agreed and recommended. Drilling will be decided after review and if required, the same will be recommended in 2nd Phase of the project.

Recommendation TCC

- ***The committee recommended the proposal for approval of PSC for “Reconnaissance Survey (G4) for Graphite and associated Minerals around Mankota Area, West Siang District, Arunachal Pradesh.” with an estimated cost of ₹71.45 Lakh (including GST) within the time schedule of 6 months and submission of the report as per Annexures 5A & 5B. The item will be reviewed after 04 months***
- **The cost sheet is applicable only to Phase-I activities of the proposed project. The cost sheet shall be reviewed after evaluation of the work completed under Phase-I.**



Estimated cost for Reconnaissance Survey (G4) for Graphite and associated minerals in Mankota North Area, District: Upper Siang, Arunachal Pradesh.
Total Area - 79.4sq. km; [First Phase -Schedule timeline- 6 months, Reviews: 4]
Implementing Agency: Eartnenviro Lab Pvt. Ltd.

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI	Rates as per SoC	Qty.	Total Amount (Rs)	
Phase-I							
A	Geological Mapping, other Geological Work and Topographical Survey(1:12,500)						
	LSM	Per Sq.Km	1.1	18300	79.4	29,06,040	
i	Charges for one Geologist - HQ	Man days	1.2.1a	10500	15	1,57,500	
ii	Charges for two Geologist- Field	Man days	1.2.1a	14500	40	11,60,000	
viii	Demarcation of Block Boundary point by DGPS including Labour deployed for work	Per Point of Observation	1.3.2	24000	4	1,92,000	
	Sub Total- A					44,15,540	
B	Trenching						
ii	Trenching	Cu m	2.1.1	4,125	80	6,60,000	
	Sub Total B					6,60,000	
E	LABORATORY STUDIES (Primary & Check samples)						
1a	Primary Samples (Trench/BRS) for Proximate Analysis for Graphite (Pr)	No.	4.1.18	3614	160	578240	BRS: -80 Trench: -80
1b	Proximate Analysis for Graphite (Ch) External check samples from NABL Lab	No.	4.1.18	3614	16	57824	10%
2a	Whole rock analysis (Oxide and trace) by XRF	No.	4.1.17a	4200	20	84000	BRS: -10 Trench: -10
2b	Whole rock analysis External check (Oxide and trace) by XRF	No.	4.1.17a	4200	2	8400	
3	HR-ICPMS (34 elements) REE & Trace	No.	4.1.15	7400	20	148000	

4	ICPMS (External check samples)	per sample	4.1.15	7400	2	14800		
5	XRD Analysis for identification of Minerals	No.	4.5.2	4000	10	40000		
6	Physical & Petrographic studies							
i	Preparation of polished thin sections	No.	4.3.2	800	10	8000		
ii	Complete Petrographic/Ore Microscopic study/ Mineragraphic Report of Rock Sample	No.	4.3.4	2800	10	28000		
iii	Determination of Bulk Density	PerSample	4.8.3	2500	5	12500		
	Sub Total - E					979764		
	Total-A+B+C+D+E						60,55,304	
L	Provision for GST (18%)						10,89,955	
M	Total Estimated Cost with GST						71,45,259	
N	Rs. In Lakhs						71.45	
Note:	**The cost sheet is subject to Phase-I activities of the proposed project							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.							
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In							
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.							
5	Any item of work not mentioned above shall be added as per SoC.							
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.							

Time Schedule/Action Plan for Reconnaissance Survey (G4) for Graphite and associated Minerals around Mankota Area, West Siang District, Arunachal Pradesh.

S.No	Activity Plan (Months)	1	2	3	4	REVIEW-1	5	6	
1	Topographical Survey								
2	Lithological Mapping (1:4000 scale) and Sampling								
3	Pitting, Trenching								
4	Sample Preparation for chemical analysis								
First Review by TCC on progress and outcome									
Note	Please add activities accordingly and timeline (months)								
	Total Time Period of Completion of Project-10 months from Sanction of Project								

Agenda 23.1.14 Reconnaissance Survey (G4) for aluminous laterite and associated critical minerals in Dhaulvali-Barsu area, Ratnagiri District, Maharashtra.

[Implementing Agency: M/s Bhushilp Mines and Minerals Private Limited]

- a) The proposed reconnaissance Survey (G4), covering an area of 60 sq.km, is located on Survey of India Toposheet No. 47H/6 and falls within parts of Ratnagiri district, Maharashtra.
- b) The project was recommended in 81st TCC-I meeting held on 25th-26th and 29th September 2025. However, the project was deferred in 2nd PSC meeting held on 4th November 2025 as a similar project in Nakhare area (in the adjacent area) was approved by the PSC in favour of Bhushilp Mines and Minerals Private Limited and it was decided that this proposal (Dhaulvali-Barsu area) will be considered after review of the approved project (Nakhare area), because both the areas have same geological setting.
- c) In view of the above, the TCC-II opined that the proposed area will be considered after review of the ongoing project by the agency in adjacent Nakhare area by 15th April 2026.

Recommendation TCC

The Committee kept the proposal on hold until review of the ongoing project by the agency in adjacent Nakhare area by 15th April 2026.

Agenda 23.1.15 Reconnaissance survey for Nickel Chromium, Gold and PGE in Pasubera West, West Singhbhum District, Jharkhand.

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

- a) The proposed reconnaissance survey (G4), covering an area of 12.60 sq.km, is located on Survey of India Toposheet No. 73F/10 and falls within parts of West Singhbhum district, Jharkhand.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	In the 12 th TCC-II meeting, as per the comment received from GSI, the proposed block overlaps with G-4 stage investigation carried out by the GSI in FS 2016-17 for Cr, Ni & PGE. It also overlaps with the earlier exploration blocks of GSI carried out in FS 1961-62 and 1962-63 for chromite.
2	DMG	Not Received
3	MECL	The block proposed not overlapping with MECL explored block and ongoing blocks.
4	AMD	Not Received
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c) The agency informed that previously the detailed project report (DPR) for this proposal was presented in 12th meeting of TCC-II held on 22nd, 25th, 26th & 27th August, 2025. In the meeting, as per the comment received from GSI, the proposed block had overlap with G-4 stage investigation carried out by the GSI in FS 2016-17 for Cr, Ni & PGE. It also had overlaps with the earlier exploration blocks of GSI carried out in FS 1961-62 and 1962-63 for chromite. GSI also informed that they have proposed a G3 stage of exploration in the area for FS 2026-27. In view of these facts, the TCC-II did not agree for recommendation of the project proposal.
- d) Further, the agency informed that they have excluded the overlapping area with the GSI.

- e) The TCC-II opined that after the exclusion of GSI's overlapping exploration area the remaining part is quite small for reconnaissance survey (G4). So, the committee advised the agency to explore the adjacent areas for mineral potential and to extend the proposed area. The extended area may be resubmitted for evaluation.

Recommendation TCC

The Committee did not recommend the proposal, as the proposed area overlaps with the G4 stage project carried out by the Geological Survey of India for Cr, Ni & PGE. in FS 2016-17.

Agenda 23.1.16 Preliminary Exploration for Graphite & Vanadium in Angu Block, West Siang District, Arunachal Pradesh.

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

- a) The proposed preliminary exploration (G3) block, covering an area of 3.51 sq.km, is located on Survey of India Toposheet No. 82L/12 and falls within parts of West Siang District Arunachal Pradesh.
- b) The agency informed that previously reconnaissance survey (G4) has been carried out in this area by GSI during FS 2022-23, and the proposed block has been carved out from that G4 area. The agency has also visited the field and collected 2 samples which gave values for Fixed Carbon (FC) from 0.61% to 5.87% and V 170ppm to 667ppm.
- c) DGM Arunachal Pradesh informed that the proposed block overlaps with the ongoing Quartzite block of State DGM for FS 2025-26.
- d) The TCC-II agreed for recommendation of the proposal. Cost evaluation for the proposal was done. The committee advised Drone Topographic Survey and SP survey in 15 Line km However, drilling will be decided after review of geological mapping, outcomes of SP survey and chemical analysis results.

Recommendation TCC

- **The committee recommended the proposal for approval of PSC for "Preliminary Exploration for Graphite & Vanadium in Angu Block, West Siang District, Arunachal Pradesh" with an estimated cost of ₹104.26 Lakh (including GST) within the time schedule of 12 months and submission of the report as per Annexures 6A & 6B. The item will be reviewed after 06 months. Drilling will be decided after review of geological mapping, outcomes of SP survey and chemical analysis results.**
- **The cost sheet is applicable only to Phase-I activities of the proposed project. The cost sheet shall be reviewed after evaluation of the work completed under Phase-I.**

Estimated Cost for Preliminary Exploration (G3) For Vanadium & Graphite in Angu Block, West Siang District, Arunachal Pradesh
Total Area - 3.51 sq. km;
Completion Time - 12 Months; Reviews: After 6 Month (Geological mapping and Geophysical work)
Implementing Agency: MMPL Pvt. Ltd.

SL.No	Item Of Work*	Unit*	Rate As Per NMEDT SOC		MF	Estimated Cost of the Proposal		Remarks
			SOC. Item No	Rate As Per SOC		Qty	Total Amount	
A	Detailed Geological Mapping Other Geological Work & Surveying							
	Geological mapping (1:4000), Trenching & Drilling work							
i	a. Charges for Geologist per day (Field)	day	1.2.1a	₹ 14,500.00	2x	60	₹ 17,40,000.00	
ii	b. Labours charges; Base rate (for 2 labours per geologists)	day	5.8	₹ 541.00	2x	120	₹ 1,29,840.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iii	c. Charges for Geologist per day (HQ)	day	1.2.1a	₹ 10,500.00		15	₹ 1,57,500.00	
iv	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	₹ 7,850.00	2x	47	₹ 7,37,900.00	
v	Charges for Labour	day	5.8	₹ 541.00	2x	188	₹ 2,03,416.00	
	Sub Total- A						₹ 29,68,656.00	
B	Trenching/Pitting							
i	Trenching	per cu.m	2.1.1	₹ 4,125.00	2x	150	₹ 12,37,500.00	

	Sub Total- B							₹ 12,37,500.00	
C	Survey work								
i	Dron Topographic survey, surface contouring at specific interval)	per sq. km.	7b	₹ 70,000.00	2x	3.51	₹ 4,91,400.00		
ii	DGPS Survey for BH fixation and Cardinal Points of block	Per Point of observation of observation	1.3.2	₹ 24,000.00	2x	6	₹ 2,88,000.00	6 Cardinal Points of block boundary.	
	Sub Total- C							₹ 7,79,400.00	
D	Ground Geophysical Survey (in- house)								
i	Charge for SP survey	Line km	3.3a	₹ 1,55,350.00		15	₹ 23,30,250.00	Rate already taken for hilly terrain (2.5 times from normal rate)	
	Sub Total- D							₹ 23,30,250.00	
F	Laboratory Studies								
1	Chemical Analysis								
i)	Geochemical Sampling-Surface samples (Groove/Channel)								
a	Proximate analysis for graphite (BRS, Trench Samples)	Nos	4.1.18	₹ 3,614.00		200	₹ 7,22,800.00	BRS/Channel-50, Trench S-150,	
b	Check samples (10% External) (BRS/Groove/Channel, Trench, & Core Samples)	Nos	4.1.18	₹ 3,614.00		20	₹ 72,280.00		
c	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, +V) by ICP-MS (sequential technique)	Per Sample	4.1.15 & 4.1.15 a	₹ 7,821.00		50	₹ 3,91,050.00		
d		Per Sample	4.1.15	₹ 7,400.00		5	₹ 37,000.00		

	Check samples (10% External) IC PMS (REE & Trace elements)							
2	Physical & Petrological Studies							
i	Preparation of Standard thin section of rock	Nos	4.3.1	₹ 500.00		10	₹ 5,000.00	
ii	Complete petrographic/ ore microscopic study/ mineragraphic report of rock sample (along with 5 nos. digital photomicrographs)	Nos	4.3.4	₹ 2,800.00		10	₹ 28,000.00	
v	Total graphitic carbon (TGC)	Nos	-	₹ 2,500.00		100	₹ 2,50,000.00	As per actuals. The cost is given based on market research
vi	Raman Spectroscopy	Hrs.	4.5.1	₹ 2,700.00		5	₹ 13,500.00	As per actuals. The cost is given based on market research
	Sub Total- F						₹ 15,19,630.00	
G	Total A to G						₹ 88,35,436.00	
L	Total Estimated Cost without GST						₹ 88,35,436.00	
M	Provision for GST (18%)						₹ 15,90,378.48	GST will be reimbursed as per actual and as per notified prescribed rate
N	Total Estimated Cost with GST						₹ 1,04,25,814.48	
	Rs. In Lakhs						₹ 104.26	
Note:	**The cost sheet is subject to Phase-I activities of the proposed project							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.							
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In							
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.							
5	Any item of work not mentioned above shall be added as per SoC.							
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.							

Table-4 Time Schedule/Action Plan for Preliminary Exploration (G3) For Vanadium & Graphite in Angu Block, West Siang District, Arunachal Pradesh
Total Area - 3.51sq. km;
Completion Time - 12 Months; Reviews: After 6 Month (Geological mapping and Geophysical work)
Implementing Agency: MMPL Pvt. Ltd.

S. No	Nature of Work	Months (Phase-I)						Phase -II (Drilling) will start after review and approval by TCC						
		1	2	3	4	5	6	7	8	9	10	11	12	
1	Camp Set up													
2	Geological mapping (DM) (sq km)													
3	Topographic survey- DGPS/ Total station/Drone													
4	Geophysical survey (SP survey) (L.km)													
5	Surface exploration-Trenching (cu. m)													
6	Bed rock samples (nos.)													
7	Trench samples (nos.)													
8	DGPS survey for fixation of borehole and cardinal points													
9	Sub surface exploration – Drilling (m)													
10	Receipt of analyses and processing of analytical data													
11	Ore body modelling and GR preparation													
Note	Please add activities accordingly and time lime (months)													
	Total Time Period of Completion of Project-12 months from Sanction of Project													

Agenda 23.1.17 Preliminary Exploration for Copper and Associated Minerals in Langdang Block, Papum Pare District, Arunachal Pradesh.

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

- a) The proposed preliminary exploration (G3) block, covering an area of 4.0 sq.km, is located on Survey of India Toposheet No. 83 E/08 and falls within parts of Papum Pare district, Arunachal Pradesh.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The proposed Langdang block falls within the G4 stage exploration on copper and associated gold mineralisation of Bubiya-Laporiang, FS 2017-18.
2	DGM	Overlaps with ongoing G3 exploration for REE in and around the Sulung area.
3	MECL	The block proposed is not overlapping with MECL explored block and ongoing blocks.
4	AMD	G4 U exploration has been carried out adjacent to Angu block. No ongoing exploration in proposed block.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c) During FS 2014–16, thematic mapping established Rilo Granite–Bomdila Group contact; Σ REE up to 1128 ppm (Khetabari Formation) and Cu up to 3234 ppm indicating initial REE–Cu anomalies.
- d) During FS 2017–18 (NGCM & G4), stream sediments showed Σ REE up to 703 ppm; Bubiya–Laporiang G4 delineated 750 m–1 km shear zone with Cu up to 1.35%, Au up to 850 ppb and Σ TREE up to 18,811 ppm.
- e) During FS 2019–20 (G4, Dedollo), 22 m thick sulphide zone traced over ~320 m strike; Cu up to 3056 ppm, limited Au–Ag values, and Σ TREE up to 395 ppm.
- f) During FS 2019–21 (G3, Lodoso East): 1000 m strike REE mineralised zone (40–50 m thick) delineated; max 3.0% TREE; inferred resource 2.15 MT @ Σ 1.08% REE (0.2% cut-off), with Cu up to 2790 ppm and Au up to 280 ppb.
- g) The agency informed they team of geologists visited the proposed block and carried out a reconnaissance traverse, followed by the collection of additional BRS samples from phyllite of the Khetabari Formation. Analytical results of four BRS samples have shown 468 ppm, 970 ppm, 42,640 ppm, and 62,568 ppm, respectively. The sampled locations define a strike extension of approximately 1.8 km in the NE–SW direction.
- h) The committee observed that these samples values appear to be spot values and show high deviations. The committee asked the agency to focus on the litho-contact between biotite-rich granite gneiss and garnetiferous phyllite in line with the work carried already carried out GSI in the same area.
- i) The TCC-II opined that the proposed block to be shifted in line with the positions of nearby GSI's exploration blocks in that area. For G3 stage of proposal, few groove/channel samples to be collected by the agency itself to prove the mineral potential in the proposed block. The proposal may be resubmitted after modifications as suggested by the committee.

Recommendation TCC

The Committee deferred the proposal (15 days) since the results of BRS samples collected by the agency showed spot values and lacks the control of mineralization at G3 Stage proposal.

Agenda 23.1.18 Preliminary Exploration (G3 Stage) for Graphite and associated metals in Brahmantal - Mutipali Block, Bargarh District, Odisha.

[Implementing Agency: M/s My World Consultancy Services Private Limited (WCS)]

- a) The proposed preliminary exploration (G3) block, covering an area of 9.47 sq.km, is located on Survey of India Toposheet No. 64L/13 and falls within parts of Bargarh district, Odisha.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	No ongoing exploration/reconnaissance projects related to Graphite or any other mineral commodity is being carried out by GSI in the proposed area
2	DGM	The proposed block is in proximity to the Gandhamardan Biodiversity Heritage Site and lies in an Ecologically Sensitive Area.
3	MECL	The block proposed is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There are no completed or ongoing NMEDT-funded projects in and around the proposed block

- c) As per the comments received from DGM Odisha, the proposed block is in proximity to the Gandhamardan Biodiversity Heritage Site and lies in an Ecologically Sensitive Area. Hence, the block may not be allowed for exploration activity.
- d) In view of the above the TCC-II did not agree for recommendation of the proposal.

Recommendation TCC

The Committee did not recommend the proposal as the proposed block is in proximity to Gandhamardan Biodiversity Heritage Site and lies in an Ecologically Sensitive Area.

23.2 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 23.2.1 Reconnaissance Survey (G-4) for Graphite & Vanadium in and around Lalpani area, Lohit District, Arunachal Pradesh.

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

- a) The project was recommended in 2nd TCC-II held on 22nd and 23rd October 2024 and was approved in 38th EC meeting held on 29th November 2024. The sanction order was issued on 6th January 2025 with timeline of 15 months up to 05th April 2026 with approved cost of ₹ 563.27 Lakh. The project was reviewed in 13th meeting of TCC-II held on 22nd, 23rd and 24th September 2025. Further, during the review in 20th meeting of TCC-II held on 2nd & 5th January 2026, the Committee undertook detailed deliberations on the SP survey conducted by the agency and observed that the data generated therefrom may contain certain inconsistencies or errors. The Committee further recommended that the presentation of the findings be suitably improved, particularly with respect to the geological and geophysical data.
- b) The agency informed that SP survey was executed exclusively over the southern portion of the area. Strike continuity of negative anomaly was confirmed over an area >500m. The consistent anomaly amplitude ranges between -500 to -700 mV. The anomaly is elongated and parallel to regional NNW-SSE trending foliation. Further, the agency proposed drilling in 2-3 inclined boreholes along the anomaly axis and flanks.

- c) The TCC-II agreed for drilling in one borehole PBH1 only. Further drilling will be decided after review. The committee also advised sampling of peridotite bodies present in the area and to analyse these samples for Ni, Co and PGE.

Recommendation TCC-II

The committee agreed for commencement of drilling in one borehole (PBH-1). Also, Peridotite bodies present in the area to be sampled and analysed for Ni, Co and PGE.

Agenda 23.2.2 Reconnaissance Survey (G4) for Limestone in Bhatiya Area in the Village Bhatiya-Gokalpur, District- Devbhumi Dwarka, Gujarat.

[Implementing Agency: M/s PRB Infraprojects Limited]

- a) The project was recommended in 5th TCC-II meeting held on 27th, 28th and 29th January 2025 and approved in 40th EC meeting held on 21st February 2025. The sanction order was issued on 3rd March 2025 for schedule time of 8 months up to 2nd November 2025. The approved cost of the project was ₹69.61/- lakh. The project was reviewed in 13th meeting of TCC-II held on 22nd, 23rd and 24th September 2025, and a timeline extension was recommended for 2 months up to 2nd January 2026 for project completion. The proposed timeline extension was approved in 2nd PSC meeting held on 4th November 2025. Again, the project was reviewed in 21st meeting of TCC-II held on 19th and 22nd January 2026 and timeline extension was recommended for 2 months up to 2nd March 2026.
- b) The agency informed that geological mapping of 10.11 sq. km. area in 1:12,500 scale has been completed. Average value of CaO from bed rock samples (BRS) is 47.65%. Out of 3 approved boreholes, there was difficulty in drilling in one borehole (BH2) due to borehole collapse. So, drilling in BH2A was done to achieve the target. Average CaO value in core samples is about 43%.
- c) The TCC-II opined that, as evident from the drill core logs, thickness of the limestone bands are very less and not encouraging in this area. In view of this, the committee suggested closure of the project and advised no further work in this project.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for "Timeline extension of 3 month up to 2nd April 2026 for completion of the project".

Agenda 23.2.3 Preliminary Exploration (G3) for Limestone in Vadekhan block in Rajkot district, Gujarat.

[Implementing Agency: M/s PRB Infraprojects Limited]

- a) The project was recommended in 9th TCC-II meeting held on 29th & 30th May 2025 and approved in 43rd EC held on 14th August 2025. The sanction order was issued on 4th September 2025 for scheduled time of 10 months up to 3rd July 2026. The approved cost of the project was ₹ 68.61/- Lakh.
- b) The agency informed that the NOC approval was given by CGM Gujarat for this exploration block of 6.19 sq. km. area. However, after demarcation of the block boundaries by using DGPS, it was found that the actual area is only 3 sq. km. Geological mapping have been completed along with collection of 40 nos. of bed rock samples (BRS).
- c) The TCC-II agreed for commencement of drilling in this project.

Recommendation TCC-II

The committee agreed for commencement of drilling in this project.

Agenda 23.2.4 Preliminary Exploration (G-3) for Bauxite, Titanium and associated minerals in Anvrapat Block, Lohardaga District, Jharkhand.

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

- a) The project was recommended in 68th Meeting of TCC of NMET in 28th, 29th and 30th August 2024 & it was approved in 37th EC meeting held on 23rd September 2024 with approved cost of ₹175.63/- Lakh (including GST) for the scheduled time of 8 months up to 22nd June 2025.
- b) The project was reviewed in 17th meeting of TCC-II held on 17th November 2025 where the agency was directed for additional assessment and reporting of the resource potential for Gallium (Ga) and Vanadium (V) within the project area and submission of the report to NMEDT by 30th November 2025. Revised cost for the project from ₹175.63/- lakh to ₹180.81/- lakh due to additional elemental analysis for primary samples (V & Ga) was recommended in 20th TCC-II meeting held on 2nd & 5th January 2026 and approved in 4th meeting of PSC held on 13th January 2026.
- c) The agency requested for revision in cost sheet of this project for inclusion of check samples against the additional elemental analysis for primary samples (V & Ga), which was approved in 4th meeting of PSC held on 13th January 2026.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “revised cost of ₹175.63/- Lakh to ₹181.33/- Lakh for analysis of check samples against the approved additional elemental analysis for V & Ga.-Annexure-7



COST ESTIMATE FOR PRELIMINARY EXPLORATION (G-3) FOR BAUXITE, TITANIUM & ASSOCIATED MINERALS IN ANVRAPAT BLOCK (1.00 SQ.KM)
DISTRICT- LOHARDAGA, STATE- JHARKHAND
Total Area - 1.00 sq km; Nos. of Boreholes- 18 (Depth 30m Drilling 600m) ; Completion Time - 08 Months; Review- After 04 Months

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

2	Survey (on 1:2000 Scale)						-	
a	Topographical survey & surface contouring at 2m interval	day	1.6.1a	8,300	30	2,49,000	2,49,000	
b	Bore Hole Fixation and determination of co-ordinates & Reduced Level (RL) of the boreholes and demarcation of lease hold boundary points by DGPS	Per Point of observation	1.6.2	19,200	83	15,93,600	15,93,600	18 BH point & 65 Boundary points
c	Labours (4 Nos)	day	5.7	522	120	62,640	62,640	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	SUB-TOTAL A					42,17,124	42,17,124	
B	MINERAL INVESTIGATION							
1	Pitting & Trenching							
a	Pitting for determination of bulk density (1mx1mx1m)- 3 nos.	per cu. m	2.1.2	3800	3	11,400	11,400	
2	DRILLING						-	
a	Dry Core Drilling up to 30-50 m (18 BHs, NQ size)	m	2.2.1.1b	7,168	600	43,00,800	43,00,800	Out of 18 BHs, 15 BHs of 30 m depth to be drilled up to lithomarge and 03 boreholes are proposed to be drilled upto 50m or basement (whichever is earlier)

b	Land / Crop Compensation (in case the BH falls in agricultural Land)	per borehole	5.6	20,000	18	3,60,000	3,60,000	Amount will be reimbursed as per actuals or max. Rs. 20000 per BH with certification from local authorities.
c	Construction of concrete Pillar (12"x12"x30")	per point	2.2.7a	2,000	83	1,66,000	1,66,000	18 BH points, 65 Boundary points.
d	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	1,700	61,200	61,200	1 Rig
e	Monthly Accommodation Charges for drilling Camp	month	2.2.9	50,000	4	2,00,000	2,00,000	
f	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	2,50,000	
g	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	2,50,000	
h	Road Making (Rugged/Hilly Terrain)	per km	2.2.10b	32,200	3	96,600	96,600	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed accordingly.
i	Drill Core Preservation	per m	5.3	1,590	540	8,58,600	8,58,600	
	SUB-TOTAL B					65,54,600	65,54,600	
C	LABORATORY STUDIES							
1	Chemical Analysis							
i)	Primary samples							
a	Analysis for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	540	22,68,000	22,68,000	

ii)	Check samples External (10%)						-	
a.	Analysis for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	54	2,26,800	2,26,800	
iii)	Analysis for Bauxite						-	
a.	Combined determination of Tri hydrate Alumina (THA- 40°C) and Mono hydrate Amumina (MHA- 240°C) & Reactive Silica	Nos.	4.1.17a	6,700	36	2,41,200	2,41,200	
	Sub-Total -1					27,36,000	27,36,000	
2	Physical & Petrological Studies							
i)	XRD studies for identification of minerals (Random)	Nos.	4.5.1	4,000	5	20,000	20,000	
ii)	ICP-OES/ICP-MS (sequential technique) sample package for 34 elements i.e. 16 other elements viz. Li,Ga,In,Be,Ge,Mo,Cr,Ta,W,Ba,Co,Rb,Sr,Zr,Nb,Ni ;18 REE viz. La,Ce, Pr,Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu,Sc,Y; 02 Actinides viz. U,Th.	Nos.	4.1.14	7,731	36	2,78,316	2,78,316	
iii)	Additional cost for 2 elemental analysis Primary Samples	Nos	4.1.5b	842	487		4,10,054	Recommended in 20 th TCC-II and approved in 4 th meeting of PSC.
iv)	Preparation of thin section	Nos.	4.3.1	2,353	10	23,530	23,530	
v	Study of thin section	Nos.	4.3.4	4,232	10	42,320	42,320	
vi)	Additional cost for 2 elemental analysis External Check Samples	Nos.	4.1.5b	842	49		41,258	Need approval
	Sub-Total -2					3,64,166	8,15,478	

3	Geotechnical Laboratory							
i.	In-situ Bulk Density Determination	No.	4.1.0	3,540	3	10,620	10,620	
	Sub Total- 3					10,620	10,620	
	SUB-TOTAL C					31,10,786	35,62,098	
D	Total - A to C					1,38,82,510	1,43,33,822	
E	MISCELLANEOUS CHARGES							
1	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the approved project cost or Rs. 5.0 Lakhs whichever is lower		2,77,650	2,86,676	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
2	Geological Report Preparation		5.2	For the projects having cost exceeding ₹150 lakh but less than 300 lakh: A Minimum of ₹7.5 lakh or 3% of the work whichever is more.		6,94,126	7,16,691	EA has to submit the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET
3	Peer review Charges	As per EC decision				30,000	30,000	
	Total Estimated Cost without GST					1,48,84,286	1,53,67,190	

	Provision for GST (18%)					26,79,171	27,66,094	GST will be reimbursed as per actual and as per notified prescribed rate
	Total Estimated Cost with GST					1,75,63,457	1,81,33,284	
	Say in Lakhs (Rs.)					175.63	181.33	

Note:

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




Agenda 23.2.5 Reconnaissance survey (G4) for Copper Bearing Minerals around Musabani, Dumriya, Maheshpur areas in East Singhbhum District, Jharkhand.

[Implementing Agency: M/s Natural Resources Division-Tata Steel Limited (NRD-Tata)]

- a) The project was recommended by 67th TCC held on 24th, 25th and 26th July, 2024 and approved in 37th EC held on 23/09/2024 with an approved cost of ₹ 288.14/- Lakh (including GST) for 10 months up to 29th August 2025. The project was reviewed in 11th TCC held on 23rd, 24th & 25th and 30th July 2025 and timeline extension of 6 months up to 28th February 2026 was recommended. The proposed timeline extension was approved in the 1st PSC meeting held on 9th October 2025.
- b) The agency informed that total 486m of drilling in 2 boreholes (270m and 216m) have been completed. Further drilling in 3 boreholes is to be done.
- c) Further, The Agency has requested for timeline extension of four (04) months up to 30th June 2026 for completion of the project due to local agitation in the area. Additionally, the Electrical Resistivity Survey (ERS) could not be completed on account of low-lying terrain and dense vegetation, which hindered field operations.
- d) The TCC-II opined that results of core sample analysis should be reviewed and suggested another review of the project after one month. The committee agreed for timeline extension of 4 months up to 30th June 2026.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for "Timeline extension of 4 month up to 30th June 2026 for completion of the project due to local agitation in the area. Additionally, the Electrical Resistivity Survey (ERS) could not be completed on account of low-lying terrain and dense vegetation, which hindered field operations.

Agenda 23.2.6 Reconnaissance survey (G4) for Nickel, Cobalt and PGE in Botad area, Botad District, Gujarat.

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

- a) The project was recommended in 6th TCC-II meeting held on 27th and 28th February, 2025 and 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 23rd March 2025 with timeline of 10 months up to 22nd January 2026 and approved cost was ₹128.25 Lakh. The project was reviewed in the 13th meeting of TCC-II held on 22nd & 24th September 2025. Upon examination of the chemical analytical results, the Committee observed that the results were not encouraging, with low Ni values and negligible Co and PGE contents. Accordingly, the Committee recommended that the proposal be placed before the PSC for approval of pre-closure of the project and submission of the Geological Report.
- b) In 2nd meeting of PSC held on 4th November 2025, PSC referred the proposal back to TCC-II with instruction to inform PSC at its next meeting about the detailed values of Ni, Co and PGE as well as the expenditure incurred by the agency.
- c) The project was again reviewed in 19th TCC-II meeting held on 16th & 17th December 2025. In the meeting CMT informed that in pit samples, Ni values range from 425.2ppm to 1116.3 ppm, Nb value ranges from 251ppm to 39850ppm (a nugget value), Cr value ranges from 515ppm to 1218ppm, Co value ranges from 12ppm to 95ppm. Also, in Bed Rock Samples values of Co ranges from 2.9ppm to 80.3ppm, Cr value ranges from 12.4ppm to 1411.6ppm, Ni value ranges from 23.6ppm to 1105.1ppm and Nb value ranges from 4.4ppm to 1214.6ppm. As suggested by the TCC, the samples analysed for Ni with more than 2000ppm had to send for PGE analysis. However, no sample with Ni values greater than 0.2% observed therefore PGE

analysis was not done. The Committee noted that no significant Ni, Cr, or PGE values were observed from surface geological studies and advised pre-closure of the project and submission of the Geological Report (GR) and committee also advised the agency to submit the details of expenditure incurred to NMEDT.

- d) Further, in 20th meeting of TCC-II held on 2nd & 5th January 2026 after detailed technical deliberations, the TCC Committee recommended for pre-closure of the project as the results were not encouraging for further exploration and one (01) month timeline extension up to 22nd February 2026, for final GR submission. The project was also recommended to PSC for approval of revised cost from ₹128.25/- lakh to ₹ 46.44/- lakh. The proposed revised cost & timeline extension was approved in 4th PSC meeting held on 13th January 2026.
- e) The agency further requested for timeline extension of 1 months & 10 days up to 31st March 2026 for completion of the project.

Recommendation TCC-II

The committee agreed for Timeline extension of 1 month up to 21st March 2026 for completion of the project.

Agenda 23.2.7 Preliminary Exploration (G-3) for Limestone in Bhatara Block (1.5 sq.km.), Satna district, Madhya Pradesh.

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

- a) The project was recommended in 58th TCC meeting held on 30th & 31st October and 1st November 2023 and approved in the 32nd EC Meeting held on 06th December 2023. The sanction order was issued on 12th December 2023 with scheduled timeline of 8 months up to 11th August 2024, and approved project cost was ₹62,70,842 /-. The project was reviewed in 7th TCC-II meeting held on 24th and 25th March 2025 where timeline extension up to 31st March 2025 was requested for completion of the project. The proposed timeline extension was approved in 42nd meeting of EC held on 2nd June 2025.
- b) The agency informed that the final Geological Report (GR) has already been submitted to NMEDT on 1st January 2026. The agency also requested for change in project title as the name of the mentioned district has been modified vide gazette notification no. Rev.-6-0030-2023-Sec-7, dated 5th October 2023. The revised project title proposed for approval is "Preliminary Exploration (G-3) for Limestone in Bhatara Block (1.5 sq.km.), Maihar & Katni districts, Madhya Pradesh".

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for change in project title as "Preliminary Exploration (G-3) for Limestone in Bhatara Block (1.5 sq.km.), Maihar & Katni districts, Madhya Pradesh".

Agenda 23.2.8 Reconnaissance Survey (G4) for Vanadium and Titanium in Magnetite bearing sand in the beach/ dune sands along the Saurashtra coast, Gujarat.

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

- a) The project was recommended in 2nd TCC-II meeting held on 22nd and 23rd October 2024 and approved in 38th EC meeting held on 29th November 2024 with schedule time for 15 months up to 29th March 2026. The sanction order was issued on 30th December 2024. The approved cost of the project was ₹170.37/- Lakh. The project was reviewed in 11th TCC-II meeting held on 23rd, 24th, 25th and 30th July 2025.

- b) The agency informed that total 340 samples have been collected from Auger drilling and processed through magnetic and gravity separation. 11 nos. of deep Auger (5m) drilling were also carried out. Grain size studies were done for 246 nos. of samples. The area has been divided in six (6) sectors, out of which sectors 1, 2 & 3 are potential for magnetic minerals. EPMA studies revealed presence of Vanadiferous Titanomagnetite, ilmenite, Goethite/Hematite, Pyroxene, Amphibolite, Epidote, Rutile etc. The agency further informed that the final geological report (GR) has been prepared and requested for Peer Review of GR.
- c) The TCC-II advised NMEDT secretariat to expedite the process of Peer Review of final GR of this project.

Recommendation TCC-II

The committee agreed for Peer Review of final GR of this project.

Agenda 23.2.9 Reconnaissance survey for Potash & Halite in Ramsara -Amarkot -Dalmir- Khera area in Fazilka District, Punjab.

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

- a) The project was recommended in 10th TCC-II held on 23rd, 24th & 25th June 2025 and approved by 43rd EC meeting held on 14th August 2025 with scheduled time for 10 months up to 03 July 2026. The sanction order was issued on 04 September 2025. The approved cost of the project was ₹1049.40/- Lakh.
- b) The Ramsara-Amarkot-Dalmirkhera Block is overlapping with the Amalgamated Block and the Ramsara G-3 Block proposed by GSI. In this regard GSI has submitted the detailed investigation report done by SU: PH&HP to NMEDT for modification of the approved boundaries of Ramsara–Amarkot–Dalmirkhera block to avoid the overlap of exploration activities of NPEA and GSI. Subsequently, NMEDT vide Letter no 23/653/2025-NMET/534 dated 20th November, 2025 suspended the exploration activities for Potash & Halite in Ramsara–Amarkot–Dalmirkhera block. As per the SoP for examining/ monitoring the work of NPEA, a team of GSI, SU:PH&HP, Chandigarh on the directives of Dy.D.G., SU:PH&HP made a visit to the project site and submitted an inspection report of the exploration activities carried out by the agency.
- c) In compliance with letter No. 23/653/2025-NMET/534, the drilling site of the NMEDT-funded Ramsara-Amarkot-Dalmirkhera Block was visited by the associated officers of the GSI Potash Exploration Projects on 21/11/2025 and 25/11/2025. The following observations have been recorded:
- No information was available on the work related to large-scale mapping in the area.
 - Two drilling rigs were present at the drilling site during the visit.
 - Drilling activities were underway in one borehole in the Block at Location: 30°03'42"N, 74°09'23"E, near Village Kandhwala Amarkot, Abohar Tehsil, Fazilka District, Punjab.
 - As informed by the onsite drilling personnel, a non-coring drilling of up to 400 metres has been completed till 21/11/2025.
 - After casing the completed part, the party is planning to commence further drilling (coring).
 - On 25/11/2025 the GSI officers visited the project area again and found that the drilling activities have been suspended.

Further, on 26 December 2025, the officer visited the site again. During the visit, no representative of the drilling firm was present at the site, and the drilling machinery were being shifted from the drilled borehole location. It was also observed that no exploration or

drilling activity was being carried out further at the site at the time of inspection and the NPEA is in the process of winding up the activities.

- d) The Agency informed that on 20th November 2025, a suspension letter was received through official communication, stating that the project has been kept under suspension until further orders from NMEDT due to overlapping of the project area with a few blocks of GSI which are currently submitted for auction. Subsequently, the project was presented by the agency for review during the 20th meeting of TCC-II held on 2nd & 5th January 2026. The committee advised the implementing agency to wind up all activities from the project area until further orders from the competent authority. Accordingly, all project related activities were closed and the machinery & manpower deployed at the site were demobilized. Also, as per the instructions of TCC-II the final bill was submitted to NMEDT on 14th January 2026.
- e) In view of the above, the TCC-II evaluated the revised cost sheet of the project.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “revised cost of ₹. 42.22/- against approved cost of ₹1049.40/-, due to suspension of Reconnaissance survey for Potash & Halite in Ramsara -Amarkot -Dalmir- Khera area in Fazilka District, Punjab project”. Annexure-8



Estimated Cost for Reconnaissance survey for the Potash & Halite in Ramsara Amarkot Dalmir Khera Block in Fazilka District, Punjab
Area: 10.30 sq.km, Scale:12,500, BH: 07, Depth: 850m (Schedule timeline: 10 months Review: After 05 Months)
Implementing Agency: Ocean Drilling & Exploration Pvt. Ltd.

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Achievement Qty.	Actual Cost	Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)			
A	Geological Mapping Other Geological Work & Surveying								
1	a. Charges for Geologist per day (Field) for geological mapping, drilling work, core logging & sample marking	day	1.2, 1.5.1a	11,000	180	19,80,000	18	1,98,000	
	b. Labours Charges; Base rate	day	5.7	541	360	1,94,760	36	19,476	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	c. Charges for Geologist per day (HQ)	day	1.2	9,000	50	4,50,000	5	45,000	
2	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5,100	158	8,05,800			
	e. Labours (4 Nos)	day	5.7	541	632	3,41,912			Amount will be reimbursed as per the notified rates by the Central Labour

									Commissioner or respective State Govt. whichever is higher.
	Sub Total- A					37,72,472		2,62,476	
B	Survey work								
1	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.6.2	19,200	15	288000	15	2,88,000	
	Sub-Total B					2,88,000		2,88,000	
C	DRILLING								
1	Non coring Drilling up to 400m (Hard Rock) (75% of coring drilling as per 2.2.5)	m		3,932	2,800	1,10,09,600	365	14,35,180	75% of coring drilling as per 2.2.5 (for coal and lignite)
2	Drilling between depth of 401- 600m (Hard Rock & HQ size)	m	2.2.4b	15,180	1,400	2,12,52,000			
	Drilling between depth of 601- 900m (In NQ)	m	2.2.1.4c	17,250	1,750	3,01,87,500			
5	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	20,000	7	1,40,000	1	20,000	
6	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2000	7	14,000	1	2,000	
7	Borehole plugging by cement	m	2.2.7b	150	5,250	7,87,500			
				200	700	1,40,000	365	73,000	
8	Transportation of Drill Rig & Truck associated per drill (2 rigs)	Km	2.2.8	72	3,500	2,52,000	3,500	2,52,000	

9	Monthly Accommodation Charges for drilling Camp (For 2 Rigs 50000)	month	2.2.9	50,000	6	3,00,000	3.5	1,75,000	
10	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	2	5,00,000	2	5,00,000	
11	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	2	5,00,000	2	5,00,000	
12	Road Making (Flat Terrain)	Km	2.2.10a	22,020	3	66,060			
13	Drill Core Preservation	per m	5.3	1,590	2,800	44,52,000			
	Sub Total C					6,96,00,660		29,57,180	
D	Borehole Geophysical Logging								
1	Dual Density	m	3.11d	102	5,950	6,06,900			
2	Spectral gamma	m	3.11o	164	5,950	9,75,800			
3	Resistivity	m	3.11c	39	5,950	2,32,050			
4	Neutron	m	3.11f	74	5,950	4,40,300			
5	Calliper	m	3.11g	19.00	5,950	1,13,050			
6	Expert charges for Geophysicist in HQ	day	3.18	9,000.00	21	1,89,000			
7	Expert charges for Geophysicist in Field	day	3.18	11,000.00	21	2,31,000			
	Sub Total D					27,88,100			
E	LABORATORY STUDIES								
1	Chemical Analysis								

i)	Primary samples								
	a. Analysis of radicals i.e. K, Na, Water insoluble, Mg, Cl, Br, Li & Ca, Sr, SO ₄	Nos	4.1.1	8,157	1,050	85,64,850			
ii)	Check samples Internal (10%)								
	a. Analysis of radicals i.e. K, Na, Water insoluble, Mg, Cl, Br, Li & Ca, Sr, SO ₄	Nos	4.1.1	8,157	105	8,56,485			
iii)	Composite Samples								
2	Petro Chemical Samples								
ii)	Petrochemical samples (Whole rock analysis) trace elements (Ba, Rb, Sr, Th, y, Li, U) by XRF		4.1.15b	2,947	30	88,410			
iii)	Petrochemical samples: Rare earth elements by ICPMS		4.1.13	5,380	30	1,61,400			
3	XRD analysis for identification of minerals (Random)	Nos	4.5.1	4,000	50	2,00,000			
4	Physical & Petrological Studies								
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530			
ii	Study of thin section	Nos	4.3.4	4,232	10	42,320			
iii	Sp. Gravity	Nos	4.8.1	1,605	10	16,050			
	Sub Total E					99,53,045			
H	Total A to E					8,64,02,277		35,07,656	

I	Geological Report Preparation	5 Hard copies with a soft copy	5.2	For the projects having cost more than Rs. 300 lakhs - A minimum of Rs. 9 lakhs or 3% of the value of work whichever is more subject to a max. amount of Rs. 20 lakhs		20,00,000			Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
J	Peer review Charges		As per EC decision			30,000			
K	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		5,00,000	1	70,153	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
L	Total Estimated Cost without GST					8,89,32,277		35,77,809	1,60,07,809.86

M	Provision for GST (18% of J)				1,60,07,809.86		6,44,005.64	GST will be reimbursed as per actual and as per notified prescribed rate
N	Total Estimated Cost with GST				10,49,40,087		42,21,815	
				or Say Rs. In Lakhs	1,049.40		42.22	
Note:								
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.							
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of excusion 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.							
*	SoC Item No, Unit and Rate for each item of work must be as mentioned in the SoC.							

Agenda 23.2.10 Reconnaissance Survey (G4) for Rare Earth Elements (REE) & Rare Metals (RM) in Meghawas-Nagana area, Barmer District, Rajasthan.

[Implementing Agency: M/s Mining Tech Consultancy Services Limited (MTCS)]

- a) The project was recommended in 8th meeting of TCC-II held on 28th, 29th April & 2nd May 2025 and approved in 42nd EC meeting held on 2nd June 2025 with schedule time of 5 months up to 30th November 2025. The sanction order was issued on 1st July 2025. The approved cost of the project was ₹30.47/- Lakh. The project was reviewed in 16th meeting of TCC-II held on 3rd & 6th November 2025 and the committee approved the request of timeline extension of 3 months up to 28 February 2026.
- b) The Agency informed that final geological report (GR) has been prepared. Further, it was told by the agency that out of 100 nos. of approved quantum for collection of Bed Rock Samples (BRS), 86 BRS samples have been collected, and 14 pit samples were collected. The committee approved the collection of 14 pit samples. Timeline extension of 2 months up to 30th April 2026 was also requested by the agency for submission of final GR.
- c) The TCC-II agreed for Timeline extension of 2 months up to 30th April 2026.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for "Timeline extension of 2 months up to 30th April 2026 for submission of final GR".

23.3 Project Evaluation for In-Principle Approval

Agenda 23.3.1 Reconnaissance Survey (G4) for REE in Nosar area, Barmer District, Rajasthan.

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

- a) The proposed reconnaissance Survey (G4) of 109 sq.km. area, falls in Survey of India Toposheet number 40 O/13 and 40 O/14 in parts of Barmer District, Rajasthan. This project was discussed in 13th TCC-II meeting. The committee did not agree for in-principle-approval of the proposal since the renotification of the agency was still pending.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	As per GSI RMT results, the area shows REE-Nb potential, with significant values from boreholes RJRMTM-05 and RJRMTM-08. However, the proposed Nosar G4 block slightly overlaps with the GSI G4 Kitpala-Sinli block and also with an earlier G3 block submitted by Geo Marine Solutions Pvt. Ltd. As per the outcome of RMT item of GSI, the area is potential for REE mineralization and two boreholes RJRMTM-05 and RJRMTM-08 were drilled during RMT exploration. Borehole RJRMTM-05 shows elevated Knob (352 ppm over 2.80 m and 211 ppm over 2.79 m).
2	DMG Rajasthan	DMG Rajasthan informed that there is no overlapping with any exploration / reconnaissance project in the proposed area.
3	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block.
4	MECL	Inform that the proposed area submitted by M/s. Geovale Services Pvt. Ltd. has been verified. The Sarnu G4 block explored by MECL and upgraded to G3 Stage Naser Bamni Dhani block, currently under exploration by MECL.

5	NMEDT	The proposed area does not overlap with any ongoing NMEDT-funded projects
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- c) In light of the observations and comments received from GSI and MECL regarding overlap with their respective exploration blocks, TCC-II advised the agency to exclude the overlapping portions from the proposed area to avoid duplication of work. The agency was further advised to revise the block boundary, accordingly, ensure that the modified area is free from any ongoing or completed exploration projects of GSI and MECL, and submit the revised DPR.
- d) Subsequently, the agency incorporated the suggested modifications by excluding the overlapping portions from the proposed area and resubmitted the revised proposal for consideration. The agency is now re-notified.
- e)

Recommendation TCC-II

The committee accorded in-principle-approval to the proposal based on RMT results recommendation.

Agenda 23.3.2 Reconnaissance Survey (G4) for Basemetal in Bamarda area, Sikar District, Rajasthan. [Implementing Agency: M/s Geovale Services Private Limited]

- a) The proposed reconnaissance Survey (G4) of 99 sq.km. area falls in Survey of India Toposheet number 45M/10 in parts of Sikar District, Rajasthan.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The Bamrada Block submitted by Geovale Services Private Limited is showing nearly 40% overlap with approved Saladipura-Kerpura-Mauta (G4) block for FS 2026-27 and already investigated blocks of GSI at the same level of exploration. Since the proposed G4 block shows significant overlap, the proposal requires reconsideration to avoid overlapping
2	DMG Rajasthan	DMG informed that the proposal submitted by M/s. Geovale Services Pvt. Ltd. under the NPEA scheme is not proper, as the plotted coordinates do not match the reported area and the attached maps differ. The agency is requested to provide correct and consistent data for further processing.
3	AMD	The proposed block completely overlaps with AMD-explored blocks—Karo, Kerpura–Salwari, Diara–Saladipura, and Guman Singh ki Dhani. Uranium grades meet the AMCR, 2016 threshold; hence concessions shall be governed accordingly. Uranium analysis should be included, and AMD may be informed of any drilling for gamma-ray logging.
4	MECL	Inform that the proposed area submitted by M/s. Geovale Services Pvt. Ltd. has been verified. The MECL has not carried out any exploration in the proposed area.
5	NMEDT	Proposed block submitted to NMEDT. The block coordinates mentioned in the proposal does not match with the kml file.

- c) The proposed block completely overlaps with AMD-explored blocks—Karoi, Kerpura–Salwari, Diara–Saladipura, and Guman Singh ki Dhani. Uranium grades meet the AMCR, 2016 threshold; hence concessions shall be governed accordingly. Uranium analysis should be included, and AMD may be informed of any drilling for gamma-ray logging.
- d) As per the comments received from GSI, the proposed area has an overlap with the GSI’s block of FS 2026-27 and some previously explored areas. AMD informed that they have explored the proposed area and the values of U was more than threshold value in this part. In view of this, AMD advised analysis of U in the samples from this area must be included in the quantum of the project work.
- e) The TCC-II opined that the agency should modify the proposed area excluding the overlapping parts with the GSI’s exploration areas.

Recommendation TCC-II

The committee deferred the proposal for (15 days) next TCC-II meeting due to overlap issue.

Agenda 23.3.3 Reconnaissance Survey (G4) for REE, BM and Gold in Langchu Area, Papum Pare District, Arunachal Pradesh.

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

The agenda item was listed inadvertently. This project proposal, proposed by M/s Gemcokarti Private Limited, has already been discussed in 22nd meeting of TCC-II held on 4th & 5th February 2026.

Agenda 23.3.4 Preliminary Exploration (G3 Stage) for Limestone and Associated Minerals in Nipaniya -Sojanwar-Jamuniya Block-A & Pahrer-Khanpura Block-B, Sagar and Damoh District, Madhya Pradesh.

Agenda 23.3.5 Preliminary Exploration (G3 Stage) for Manganese and Associated Minerals in Pathrapeth-Koylari-Dulhapur Block, Dist: Balaghat & Seoni, Madhya Pradesh.

Agenda 23.3.6 Preliminary Exploration (G3 Stage) for Limestone and Associated Minerals in Kevalari-Sujanipur Block, Dist: Sagar and Damoh, Madhya Pradesh.

Agenda 23.3.7 Preliminary Exploration (G3 Stage) for Graphite and associated minerals in Barwaiya-Irgu Block, Palamu & Latehar District, Jharkhand.

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

The Implementing Agency did not present Agenda Items 23.3.4, 23.3.5, 23.3.6, and 23.3.7 and requested that these items be deferred and presented at the subsequent TCC-II meeting.

Recommendation TCC-II

The committee deferred the Agenda Items 23.3.4, 23.3.5, 23.3.6, and 23.3.7 for next TCC-II meeting.

Agenda 23.3.8 Reconnaissance survey of base metal and associated minerals in Kalsans- Taswariya Bhilwara district Rajasthan.

[Implementing Agency: M/s Enkay Enviro Services Private Limited]

- a) The proposed reconnaissance Survey (G4) of 32.4 sq.km. area falls in Survey of India Toposheet number 45K/11 in parts of Bhilwara District, Rajasthan.
- b) The table containing the comments is given below.




S.N.	Agency	Comment
1	GSI	The proposed G4 stage NPEA block is showing nearly 50% overlapping with GSI G4 block carried out in FS 2018-19 (Plate-I). Therefore, the proposal needs reconsideration to avoid the overlapping in the same stage of exploration.
2	DMG Rajasthan	DMG informed that the RSMET has conducted an AI-ML-based assessment of part of the area. As per its comments, the area is suitable for base metal and associated mineral exploration, and NPEA may obtain the relevant data from the concerned office.
3	MECL	MECL has not carried out any exploration in the proposed block
4	NMEDT	The proposed area does not overlap with any ongoing NMEDT-funded projects

- c) In view of the above, the TCC-II suggested modification in the proposed area by excluding the overlapping part with GSI's exploration area. The project may be resubmitted after modification. The data of AI/ML studies done by DMG Rajasthan to be included in the proposal.

Recommendation TCC-II

The committee deferred the proposal for (15 days) next TCC-II meeting due to overlap issue and suggested technical modification in the proposal.

Agenda 23.3.9 Reconnaissance Survey (G4) for Basemetal, REE and Associated mineralization in Kaya-Bheru ka Bariya block, Beawar District, Rajasthan.

[Implementing Agency: M/s Vibrant Techno Lab Private Limited]

- The proposed reconnaissance Survey (G4) of 20.15 sq.km. area falls in Survey of India Toposheet number 45J/4 in parts of Beawar District, Rajasthan. About 4.16 sq. km. area is Reserve Forest.
- As per the comments received from DMG Rajasthan, part of the proposed area falls in Aravali.
- The agency informed that they have carried out some limited field work in the proposed area and have collected 8 nos. of Bed Rock Samples (BRS).
- The TCC-II opined that the proposal may be kept on hold till the decision of the Hon'ble Supreme Court of India for Aravali Areas.

Recommendation TCC-II

The committee kept the proposal on hold till the decision of the Hon'ble Supreme Court of India for Aravali Areas.

Agenda 23.3.10 Preliminary Exploration (G3) for Bauxite in the Lalpursani Block, Tehsil – Bajag, District – Dindori, Madhya Pradesh.

[Implementing Agency: M/s S and S Geological Consultants]

The Implementing Agency did not present the agenda item and requested that the item be deferred and presented at the subsequent TCC-II meeting.

Recommendation TCC-II

The committee deferred the agenda Item for next TCC-II meeting.

Agenda 23.3.11 Preliminary Exploration (G3) For Vanadium & Associated Minerals In Dakahi Block, Chandauli District, Uttar Pradesh.

[Implementing Agency: M/s. GeoExpOre Private Limited]

- a) The proposed preliminary Exploration (G3) of 5.16 sq.km. area falls in Survey of India Toposheet number 63 P/01 in parts of Chandauli District, Uttar Pradesh.
- b) As per the comments received from GSI, there is a complete overlap of the proposed block with Lauwari-Khurd GM Block for Aluminous Laterite, Vanadium, Titanium Dioxide and Rare Earth Oxides which is under auction.

Recommendation TCC-II

The committee did not agree for in-principle-approval of the proposal as proposed block has complete overlap with the GM Block

Agenda 23.3.12 Reconnaissance Survey (G4) Manatu Bauxite and associated Minerals Block, Gumla District, Jharkhand State.

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

- a) The proposed reconnaissance Survey (G4) of 25.25 sq.km. area falls in Survey of India Toposheet number 73A/8 in parts of Gumla District, Jharkhand.
- b) The DGM Jharkhand informed that they have already started a G3 stage of exploration in the Manatu area and the proposed area completely overlaps with the DGM Jharkhand area.
- c) TCC-II requested DGM, Jharkhand, to provide written information regarding the initiation of the project in the proposed area by the agency and the current status of the project.
- d) In view of this, the TCC-II did not agree for the approval of the proposal.

Recommendation TCC-II

The committee did not agree for in-principle-approval of the proposal as DGM Jharkhand informed that they have already started a G3 stage of exploration in the Manatu area and the proposed area completely overlaps with the DGM Jharkhand area.

Additional Agenda

23.2 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 23.2.11 Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Lakhond Area, Kachchh District, Gujarat.

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

- a) The project was recommended in 4th meeting of TCC-II held on 26th and 27th December, 2024 and approved in the 39th EC Meeting held on 24th January 2025. The Sanction Order was issued on 10th February 2025 for scheduled timeline of 10 months up to 09th December 2025 with approved cost of ₹ 60.01/- Lakh. The project was reviewed in 9th meeting of TCC-II held on 29th & 30th May 2025. In that meeting the committee recommended the revised cost of ₹68.76 Lakh due to the change from outsourced drilling to in-house drilling in the project. The proposed revised cost was approved in 43rd meeting of EC held on 14th August 2025.
- b) The agency informed that final geological report (GR) has been prepared for the project. Further the agency also requested for timeline extension up to 31st March 2026 for GR submission.

Recommendation TCC-II

The committee recommended for approval of the PSC for "timeline extension up to 31st March 2026 for GR submission".

Agenda 23.2.12 Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Reldi Moti Area, Kachchh District, Gujarat.

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

- a) The project was recommended in 4th meeting of TCC-II held on 26th and 27th December, 2024 and approved in the 39th EC Meeting held on 24th January 2025. The Sanction Order was issued on 10th February 2025 for scheduled timeline of 10 months up to 09th December 2025 with approved cost of ₹ 54.94/- Lakh. The project was reviewed in 9th meeting of TCC-II held on 29th & 30th May 2025. In that meeting the committee recommended the revised cost of ₹71.54/- Lakh due to the change from outsourced drilling to in-house drilling in the project. The proposed revised cost was approved in 43rd meeting of EC held on 14th August 2025.
- b) The agency informed that final geological report (GR) has been prepared for the project. Further the agency also requested for timeline extension up to 31st March 2026 for GR submission.

Recommendation TCC-II

The committee recommended for approval of the PSC for "timeline extension up to 31st March 2026 for GR submission".

Agenda 23.2.13 Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Nadapa Area, Kachchh District, Gujarat.

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

- a) The project was recommended in 4th meeting of TCC-II held on 26th and 27th December, 2024 and approved in the 39th EC Meeting held on 24th January 2025. The Sanction Order was issued on 10th February 2025 for scheduled timeline of 10 months up to 09th December 2025 with approved cost of ₹ 54.00/- Lakh. The project was reviewed in 9th meeting of TCC-II held on 29th & 30th May 2025.
- b) The agency informed that Peer Review has been done for final geological report (GR) of the project. Further the agency requested for timeline extension up to 31st March 2026 for GR submission.

Recommendation TCC-II

The committee recommended for approval of the PSC for "timeline extension up to 31st March 2026 for GR submission".



**List of participants attended 23rd meeting of Technical-cum-cost Committee (TCC-II) of NMEDT
held on 16th and 17th February 2026 through video conferencing mode**

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Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 23rd meeting of Technical-cum-Cost Committee - II (TCC - II)
held on 16th & 17th February 2026

F. No.: 6/4/2015-NMET/

New Delhi, 25 February 2026

Corrigendum

With reference to the minutes of 23rd TCC-II Meeting held on **16th & 17th February 2026** the following modifications may be noted w.r.t the **agenda no. 23.1.3, 23.1.13 and 23.2.4**

Agenda 23.1.3 Preliminary Exploration (G-3) for chromite and associated minerals around Patna-Chinguripal Chromite Block, Jajpur District, Odisha.
[Implementing Agency: M/s Natural Resources Division-Tata Steel Limited (NRD-Tata)]

b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The proposed block has been allotted to NPEAs, by the JWG of TCC-I & II of NMEDT. The proposed block can be taken up at G3 stage.
2	DMG	The proposed block is overlapping with Kaliapani Chromite Mine of OMC Ltd and Ostapal Chromite Mines of M/s FACOR Ltd which are subsisting leases and overlaps with the proposed exploration block. Hence, the overlapping area needs to be excluded. The Chinguripali chromite block is a lapsed ML of M/s IMFA and Freehold now and the overlapping area is only 0.046 sq. km.
3	MECL	The block proposed is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

e) During the review, DGM Odisha, informed that an adjoining previous chromite mine (Chinguripal of M/s IMFA), which is at present taken over by the Government of Odisha also holds potential to explore and may be considered for amalgamation subject to NoC from state government. It was then remarked by TCC-II that the proposal may be recommended now with the identified 3.9 sq. km area excluding lease areas, northern hilly terrain and the areas occupied by quartzites.

Agenda 23.1.13 Reconnaissance Survey (G4) for Graphite and associated Minerals around Mankota Area, West Siang District, Arunachal Pradesh.
[Implementing Agency: Eartnenviro Lab Private Limited]

Recommendation TCC

- *The committee recommended the proposal for approval of PSC for “Reconnaissance Survey (G4) for Graphite and associated Minerals around Mankota Area, West Siang District, Arunachal Pradesh.” with an estimated cost of ₹75.90 Lakh (including GST) within the time schedule of 6 months and submission of the report as per Annexures 5A & 5B. The item will be reviewed after 04 months*
- **The cost sheet is applicable only to Phase-I activities of the proposed project. The cost sheet shall be reviewed after evaluation of the work completed under Phase-I**

Estimated cost for Reconnaissance Survey (G4) for Graphite and associated minerals in Mankota North Area, District: Upper Siang, Arunachal Pradesh.
Total Area - 79.4sq. km; [First Phase -Schedule time line- 6 months, Reviews: 4]
Implementing Agency : Eartnenviro Lab Pvt. Ltd.

S. No.	Item of Work	Unit	Rates as per NMEDT SoC		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI	Rates as per SoC	Qty.	Total Amount (Rs)	
Phase-I							
A	Geological Mapping, other Geological Work and Topographical Survey(1:12,500)						
	LSM	Per Sq.Km	1.1	18300	79.4	29,06,040	
i	Charges for one Geologist - HQ	Man days	1.2.1a	10500	15	1,57,500	
ii	Charges for two Geologist- Field	Man days	1.2.1a	14500	40	11,60,000	
III	Labour charges (for sample collection, packaging, carrying)	Man days	5.8	541	80	86,560	
iv	Demarcation of Block Boundary point by DGPS including Labour deployed for work	Per Point of Observation	1.3.2	24000	4	1,92,000	
v	Charges for one sampler per day (for sample preparation)	Mandays	1.2.1b	7850	29	227650	
vi	Labour charges (for sample preparation)	Mandays	5.8	541	116	62756	
	Sub Total- A					47,92,506	
B	Trenching						
ii	Trenching	Cu m	2.1.1	4,125	80	6,60,000	
	Sub Total B					6,60,000	
E	LABORATORY STUDIES(Primary & Check samples)						
1a	Primary Samples(Trench/BRS)for Proximate Analysis for Graphite(Pr)	No.	4.1.18	3614	160	578240	BRS:-80 Trench:-80

1b	Proximate Analysis for Graphite(Ch) External check samples from NABL Lab	No.	4.1.18	3614	16	57824	10%	
2a	Whole rock analysis (Oxide and trace) by XRF	No.	4.1.17a	4200	20	84000	BRS:-10 Trench:-10	
2b	Whole rock analysis External check (Oxide and trace) by XRF	No.	4.1.17a	4200	2	8400		
3	HR-ICPMS (34 elements) REE & Trace	No.	4.1.15	7400	20	148000		
4	ICPMS (External check samples)	per sample	4.1.15	7400	2	14800		
5	XRD Analysis for identification of Minerals	No.	4.5.2	4000	10	40000		
6	Physical & Petrographic studies							
i	Preparation of polished thin sections	No.	4.3.2	800	10	8000		
ii	Complete Petrographic/Ore Microscopic study/ Mineragraphic Report of Rock Sample	No.	4.3.4	2800	10	28000		
iii	Determination of Bulk Density	per Sample	4.8.3	2500	5	12500		
	Sub Total - E					979764		
	Total-A+B+C+D+E						64,32,270	
L	Provision for GST (18%)					11,57,809		
M	Total Estimated Cost with GST					75,90,079		
N	Rs. In Lakhs					75.90		
Note:	**The cost sheet is subject to Phase-I activities of the proposed project							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.							
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In							
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.							
5	Any item of work not mentioned above shall be added as per SoC.							
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.							

Agenda 23.2.4 Preliminary Exploration (G-3) for Bauxite, Titanium and associated minerals in Anvrapat Block, Lohardaga District, Jharkhand.

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

- c) The agency requested for revision in cost sheet of this project for inclusion of check samples against the additional elemental analysis for primary samples (V & Ga), which was approved in 4th meeting of PSC held on 13th January 2026.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “revised cost of ₹180.81/- Lakh to ₹181.33/- Lakh for analysis of check samples against the approved additional elemental analysis for V & Ga.-Annexure-7

**COST ESTIMATE FOR PRELIMINARY EXPLORATION (G-3) FOR BAUXITE, TITANIUM & ASSOCIATED MINERALS IN ANVRAPAT
BLOCK (1.00 SQ.KM)**

DISTRICT- LOHARDAGA, STATE- JHARKHAND

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

Sl.No.	Item of Work	Unit	Rates as per NMEDT SoC		Estimated Cost of the Proposal	Revised Cost	Re-revised Cost	Remarks
			SoC-Item - SI No.	Rates as per SoC	Qty.			
A	GEOLOGICAL WORK							
1	Geological mapping (1:2000) ,Borehole logging & Sampling & Report writing							
a	Charges for one Geologist per day at HQ	day	1.3	9,000	30	2,70,000	2,70,000	
b	Charges for Geologist party per day at field	day	1.3	11,000	120	13,20,000	13,20,000	
c	1 party Labour (2 Nos each party)	day	5.7	522	240	1,25,280	1,25,280	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher

B	MINERAL INVESTIGATION							
1	Pitting & Trenching							
a	Pitting for determination of bulk density (1mx1mx1m)-3 nos.	per cu. m	2.1.2	3800	3	11,400	11,400	
2	DRILLING					-	-	
a	Dry Core Drilling up to 30-50 m (18 BHs, NQ size)	m	2.2.1.1b	7,168	600	43,00,800	43,00,800	Out of 18 BHs, 15 BHs of 30 m depth to be drilled up to lithomarge and 03 boreholes are proposed to be drilled upto 50m or basement (whichever is earlier)
b	Land / Crop Compensation (in case the BH falls in agricultural Land)	per borehole	5.6	20,000	18	3,60,000	3,60,000	Amount will be reimbursed as per actuals or max. Rs. 20000 per BH with certification from local authorities.
c	Construction of concrete Pillar (12"x12"x30")	per point	2.2.7a	2,000	83	1,66,000	1,66,000	18 BH points, 65 Boundary points.
d	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	1,700	61,200	61,200	1 Rig
e	Monthly Accommodation Charges for drilling Camp	month	2.2.9	50,000	4	2,00,000	2,00,000	
f	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	2,50,000	

g	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	2,50,000	
h	Road Making (Rugged/Hilly Terrain)	per km	2.2.10b	32,200	3	96,600	96,600	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed accordingly.
i	Drill Core Preservation	per m	5.3	1,590	540	8,58,600	8,58,600	
	SUB-TOTAL B					65,54,600	65,54,600	
C	LABORATORY STUDIES							
1	<u>Chemical Analysis</u>							
i)	Primary samples							
a	Analysis for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	540	22,68,000	22,68,000	
ii)	Check samples External (10%)					-	-	
a.	Analysis for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI	Nos	4.1.15a	4,200	54	2,26,800	2,26,800	
iii)	Analysis for Bauxite					-	-	
a.	Combined determination of Tri hydrate Alumina (THA-40°c) and Mono hydrate Amumina (MHA-240°c) & Reactive Silica	Nos.	4.1.17a	6,700	36	2,41,200	2,41,200	

	Sub-Total -1					27,36,000	27,36,000	
2	<u>Physical & Petrological Studies</u>							
i)	XRD studies for identification of minerals (Random)	Nos.	4.5.1	4,000	5	20,000	20,000	
ii)	ICP-OES/ICP-MS (sequential technique) sample package for 34 elements i.e. 16 other elements viz. Li,Ga,In,Be,Ge,Mo,Cr,Ta,W,Ba,Co,Rb,Sr,Zr,Nb,Ni ;18 REE viz. La,Ce, Pr,Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu,Sc,Y; 02 Actinides viz. U,Th.	Nos.	4.1.14	7,731	36	2,78,316	2,78,316	
iii)	Additional cost for 2 elemental analysis Primary Samples	Nos	4.1.5b	842	487	4,10,054	4,10,054	
iv)	Preparation of thin section	Nos.	4.3.1	2,353	10	23,530	23,530	
v	Study of thin section	Nos.	4.3.4	4,232	10	42,320	42,320	
vi)	Additional cost for 2 elemental analysis External Check Samples	Nos.	4.1.5b	842	49		41,258	Need approval
	Sub-Total -2					7,74,220	8,15,478	
3	<u>Geotechnical Laboratory</u>							
i.	In-situ Bulk Density Determination	No.	4.1.0	3,540	3	10,620	10,620	
	Sub Total- 3					10,620	10,620	
	SUB-TOTAL C					35,20,840	35,62,098	
D	Total - A to C					1,42,92,564	1,43,33,822	

E	MISCELLANEOUS CHARGES							
1	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the approved project cost or Rs. 5.0 Lakhs whichever is lower		2,85,851	2,86,676	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
2	Geological Report Preparation		5.2	For the projects having cost exceeding ₹150 lakh but less than 300 lakh: A Minimum of ₹7.5 lakh or 3% of the work whichever is more.		7,14,628	7,16,691	EA has to submit the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET
3	Peer review Charges		As per EC decision			30,000	30,000	
	Total Estimated Cost without GST					1,53,23,043	1,53,67,190	
	Provision for GST (18%)					27,58,148	27,66,094	GST will be reimbursed as per actual and as per notified prescribed rate

	Total Estimated Cost with GST					1,80,81,191	1,81,33,284	
					Say in Lakhs (Rs.)	<i>180.81</i>	<i>181.33</i>	

Note:

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



[Sanjay Singh]
 Director, GSI & Member Secretary,
 TCC-II, NMEDT

