

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

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

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

The list of participants is at **Annexure-1**.

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

20.1 Technical Evaluation of New Project Proposals

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

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



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

Recommendation TCC-II

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



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

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

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




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

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

Time Schedule/ Action Plan for Preliminary Exploration (G3) for Graphite and Associated Minerals in Mahadevbera Block, Seraikela-Kharsawan District Jharkhand
Implementing Agency : Natural Resources Division-Tata Steel Limited

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

Review

Review

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

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

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

Recommendation TCC

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



Estimated Cost for Preliminary exploration (G3) for Vanadium, Graphite, Barium and other associated minerals in Chaura- Maunkanda block, Champawat district, Uttarakhand. Area: 3.59 sq.km, Scale-1:4000 (Schedule timeline: 15 months Review: After 06 & 12 Months) Implementing Agency: M/s Ocean Drilling & Exploration Private Limited							
PHASE-I: DETAILED MAPPING & GROUND GEOPHYSICAL SURVEY							
S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2021	Estimated Cost of the Proposal		Remarks	
			SoC- Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
Geological Mapping Other Geological Work & Surveying							
A	Geological Mapping (Detailed Mapping,other geological work and surveying	per sq. km.					
1	a. Charges for Geologist per day (Field) for geological mapping, drilling work, core logging & sample marking	day	1.2.1a	14,500	80	11,60,000	3.59 sq.km in Hilly area
2	b. Labours Charges; Base rate	day	5.8	541	160	86,560	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	c. Charges for Geologist per day (HQ)	day	1.2.1a	10500	30	315000	
3	a. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7850	27	211950	
	b. Labours (4 Nos)	day	5.8	541	108	58428	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	Sub Total- A					18,31,938	

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

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

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

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

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

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

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

Recommendation TCC-II

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

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

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

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

Recommendation TCC-II

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



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

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

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

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

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

Recommendation TCC

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

20.2 Review of Ongoing Procurement Projects & Timeline Extension

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

[Implementing Agency: DGM Tripura]

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

Recommendation TCC-II

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

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

[Implementing Agency: DGM Uttar Pradesh]

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

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

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

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

Recommendation TCC-II

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

20.3 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 20.3.1 Preliminary Exploration (G-3) for Bauxite, Gallium, Vanadium, REE in Sandhan Block, Kachchh District, Gujarat.

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

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

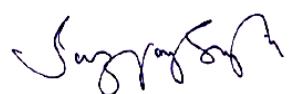
Recommendation TCC-II

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




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

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




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

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

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

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

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

**Agenda 20.3.2 Reconnaissance Survey (G-4) for Phosphorite in Bijawar-Imiliya block,
Chhattarpur district, Madhya Pradesh**
[Implementing Agency: Madhya Pradesh State Mining Corporation Limited (MPSMCL)]

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

Recommendation TCC-II

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



Annexure-5

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

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

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

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

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

Jay Jay Singh

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

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

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

Recommendation TCC-II

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

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

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

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



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

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

Recommendation TCC-II

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

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

[Implementing Agency: Engeotech Consultant]

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

Recommendation TCC-II

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



Annexute-6

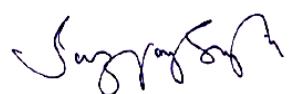
<p>Cost Estimate for Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Area in Katni District of Madhya Pradesh, Area 22.52 sq. km, No.of BH: 08, Borehole depth range- 30/50 m; Schedule timeline- 10 months Review: After 3 Months</p>									
S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Original Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	Qty.	Total Amount (Rs)	
A	Geological Mapping (1:12500) & Other Geological Work								
1	Charges for Geologist man days for LSM and & sampling	day	1.2.b	11,000	90	9,90,000	90	9,90,000	No Change
2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	No Change
3	Charges for Geologist per day (HQ) for data interpretation and Map preparation	day	1.2.a	9,000	60	5,40,000	60	5,40,000	No Change
	Sub Total- A							16,24,680	16,24,680
B	Survey work								
1	Charges of Surveyor for survey layout work & Block boundary demarcation	per day	1.6.1a	8,300	45	3,73,500	45	3,73,500	No Change
2	Labours Charges; Base rate	day	5.7	526	180	94,680	180	94,680	No Change
3	DGPS Survey for boundary pillar, BH fixation & RL determination	Per Point	1.6.2	19,200	22	4,22,400	21	4,03,200	09 BH to 08 BH
	Sub-Total B							8,90,580	8,71,380
C	Mineral Investigation								

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

Sugyan Singh



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




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

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

Jayapayi

OSJS

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

[Implementing Agency: Engeotech Consultant]

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

Recommendation TCC-II

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

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

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

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

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

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

Recommendation TCC-II

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

Suganya Sugan



Annexure-7

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

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

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

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

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

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

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




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

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

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

Recommendation TCC-II

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

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

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

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



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

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

Recommendation TCC-II

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

Agenda 20.3.10 Reconnaissance Survey (G-4) for REE, RM, Glauconite and Phosphorite in Devisar Block, District: Kachchh, Gujarat

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

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

Recommendation TCC-II

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

Agenda 20.3.11 Preliminary Exploration (G-3) for Kyanite and Sillimanite in Malada Block, District- Bhandara and Gondia, Maharashtra.

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

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



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

- c. No surface occurrences of kyanite or sillimanite have been recorded within the quartz-mica schist and 95% of the area is under soil cover. To validate the earlier proven kyanite/sillimanite bands trenching was carried out. Across trenches, Al₂O₃ ranges - 15-42%. SiO₂~26-56%, Fe₂O₃~1.39-13.97%, K₂O up to 5.42
- d. Further, the agency stated that the petrographic and chemical analysis show that Al₂O₃ enrichment is due to mica and feldspar, not AlSiO₅ minerals. As per IBM norms, none of the samples meet the required modal content for kyanite-sillimanite deposits, and the recorded kyanite occurs only as small, isolated, discontinuous lenses with no economic potential.
- e. The combined petrographic and geochemical evidence demonstrates that, although kyanite and sillimanite are mineralogically present, the studied rocks do not constitute an economic kyanite or sillimanite deposit, either as run-of-mine material or after reasonable beneficiation.
- f. The agency Further, requested for timeline extension two (02) months 13 days up to 31 March 2026 for submission of Final Geological Reports. (Original Timeline is till 18th January. 2026)
- g. The committee agreed for timeline extension two (02) months 13 days up to 31 March 2026 for submission of Final Geological Reports.
- h. After detailed technical deliberations, the TCC-II Committee recommended for pre-closure of the project, as the results were not encouraging for further exploration.

Recommendation TCC-II

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



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

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

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

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

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

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

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

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

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

Recommendation TCC-II

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



Estimated cost for Reconnaissance survey (G4) for Iron, Manganese and associated minerals in Jauli-Sailwara Block, District: Jabalpur, State: Madhya Pradesh. [Block area- 33.8 sq. km; Schedule timeline- 10 months, Review : 5 months, Drilling : 300 m]									
S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Estimated Cost of the Proposal		Revised Cost (As per SOC-2020)		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK (1:12,500 scale)								
i	Charges for one Geologist- Field	day	1.2	11,000	100	11,00,000	70	7,70,000	
ii	Charges for one Geologist per- HQ	day	1.2	9,000	60	5,40,000	40	3,60,000	
iii	2 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	526	200	1,05,200	140	73,640	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher (Rate effected from 01.10.2024)
iv	Sampling Party days -1 Samplers Labour charge not included	day	1.5.2	5,100	68	3,46,800	25	1,27,500	25.375
v	4 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	526	272	1,43,072	100	52,600	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total- A					22,35,072		13,83,740	
B	PITTING AND TRENCHING								
i	Trenching	Cu m	2.1.1	3330	150	4,99,500	90	2,99,700	
	Sub Total- B					4,99,500		2,99,700	

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

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

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




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

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

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

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

Recommendation TCC-II

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




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

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

Sl.No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Estimated Cost of the Proposal		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
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

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

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

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

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

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

Agenda 20.3.14 Reconnaissance Survey (G-4) for Glauconitic Sandstone in Kisanpur**Block, District- Satna, Madhya Pradesh.****[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]**

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

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

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

Recommendation TCC-II

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

Annexure-11

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

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

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

3.1a	Primary + Check Sample - 4 radicals viz. K₂O, SiO₂, Al₂O₃ & Fe₂O₄	per sample	4.1.7a	2,506	19		47,614	Additional Samples
3.2	Chemical Analysis (Composite) for 12 radicals viz. K ₂ O, Na ₂ O, CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , SO ₃ , P ₂ O ₅ , Mn ₂ O ₃ , TiO ₂ , and LOI.	per sample	4.1.7a	4,851	20	97,020	97,020	8m composite
3.3	Sp. Gravity determination	per sample	4.8.1	1,605	5	8,025	8,025	
3.4	XRD Study	per sample	4.5.1	4,000	5	20,000	20,000	
Sub-Total 3						5,88,655	6,36,269	
4.0	Geologist man days (1 No.) for geological map & Report (HQ)	days	1.2	9,000	60	5,40,000	5,40,000	
Total (1.0 to 4.0)						72,04,195	73,32,609	
5.0	Preparation of Exploration Proposal	Nos	5.1	2% of the cost or Rs. 3.80 lakh - whichever is lower	1	1,51,288	1,53,985	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.

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

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

Jayapal

OSD

Agenda 20.3.15 Reconnaissance Survey for REE (G-4) Exploration in Bhuj Clay Prospect Block, Kachchh District Guajrat.
[Implementing Agency: Geovale Services Pvt. Ltd]

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

Recommendation TCC-II

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

Agenda 20.3.16 Reconnaissance Survey (G-4) for Mailar Base Metal–Gold Prospect Block in Mailar Area, Lalitpur District, Uttar Pradesh.
[Implementing Agency: Geovale Services Pvt. Ltd]

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



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

Recommendation TCC-II

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

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

[Implementing Agency: Geovale Services Pvt. Ltd]

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

Recommendation TCC-II




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

Agenda 20.3.18 Reconnaissance Survey (G-4) for Basemetal in Thal-Didihat Askot area, Pithoragarh district, Uttarakhand.

[Implementing Agency: Geovale Services Pvt. Ltd]

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

Recommendation TCC-II

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

Agenda 20.3.19 Reconnaissance survey for Potash & Halite in Ramsara -Amarkot - Dalmir- Khera area in Fazilka District, Punjab.

[Implementing Agency: Ocean Drilling and Exploration Private Limited]




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

Recommendation TCC-II

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

Agenda 20.3.20 Reconnaissance Survey (G-4) for Graphite & Vanadium in and around Lalpani area, Lohit District, Arunachal Pradesh.

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

- a. The project was recommended in 2nd TCC-II held on 22nd and 23rd October 2024 and was approved in 38th EC meeting held on 29th November 2024. The sanction order was issued on 6th January 2025 with timeline of 15 months up to (05 April 2026 with approved cost was ₹ 563.27 Lakh.
- b. In the 13th TCC -II, the committee advised the agency to complete the geological mapping work in the project area and subsequently present the findings for review in upcoming TCC meeting.
- c. The Committee held detailed deliberations on the SP survey conducted by the agency and observed that the generated data may contain inconsistencies or errors. The committee suggested to improve the presentation both in terms of geology and geophysical data.
- d. The implementing agency informed that, geological mapping of 39 sq. km. area (out of approved 52.20 sq. km. area) on 1:12,500 scale has been done and the remaining area is inaccessible. Values of Fixed Carbon (FC) in BRS ranges from 0.06% to 2.31% and in Pit/Trench samples it ranges from 0.5% to 2.70%.
- e. As the terrain is difficult the committee advised the agency to refer GSI's map in the adjacent area for having some control over the target lithology. The committee opined that the project will be reviewed again in upcoming TCC-II meeting.

Recommendation TCC-II

The Committee advice that the progress of the project shall be reviewed again in the upcoming TCC-II meeting.

Agenda 20.3.21 Reconnaissance survey for Nickel, Cobalt and PGE in Botad area, Botad District, Gujarat.

[Implementing Agency: Critical Mineral Trackers.]

- a. The project was recommended in 6th TCC meeting held on 27th and 28th February, 2025 and 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 23rd March 2025 with timeline of 10 months up to 22nd January 2026 and approved cost was ₹128.25 Lakh. The TCC-II opined that drilling in the proposed block will be subject to positive outcomes of Geological Mapping, analysis for PGE should be done only if Nickel (Ni) value exceeds 0.2% & if PGM grains found Electron Probe Microanalysis.
- b. The project work was reviewed in 13th meeting of TCC-II held on 22nd, 23rd, 24th September 2025. In the 13th meeting, the committee reviewed the chemical analytical results and opined that the analytical results are not so encouraging (Ni values are not promising, Co & PGE content are also negligible). So, the committee recommended the project for approval of PSC for pre closure of the project and submission of the Geological report.
- c. In 2nd meeting of PSC held on 4th November 2025, PSC referred the proposal back to TCC-2 with instruction to inform PSC at its next meeting about the detailed values of Ni, Co and PGE as well as the expenditure incurred by the agency.
- d. In the 19th TCC-II meeting, the committee opined that the project, has no significant Ni, Cr, or PGE values were observed from surface geological studies. the project may be closed/ pre-closure. Further, the committee instructed agency to present revised cost sheet in the upcoming TCC -II meeting.
- e. Further agency requested for one (01) month timeline extension up to 22nd February 2026 required for final GR submission
- f. After detailed technical deliberations, the TCC Committee recommended for pre-closure of the project as the results were not encouraging for further exploration and one (01) month timeline extension up to 22nd February 2026, for final GR submission

Recommendation TCC-II

- ***The committee recommended for approval of the PSC for Pre closure of the project and one (01) month timeline extension up to 22nd February 2026 for submission of the final Geological Report (GR).***
- ***The item has also been recommended to PSC for approval of revised cost from ₹128.25 lakh to ₹ 46.44 lakh, Annexure-12.***

Estimate Cost for Reconnaissance survey(G4) for Nickel,Cobalt and PGE in Botad area,Botad District,Gujarat

Total Area-99.6(say 100) sq.km; No of Boreholes-3; Completion Time -10 months, Total Drilling meterage: 300m, Review: after 4 months
 Implementing Agency-Critical Mineral Trackers,Hyderabad

S.No	Item of Work	Unit	Rates as per NMEDT SoC		Estimated Cost of the Proposal		Revised Cost		Remarks
			SoC-Item-SI No.	Rates as per SOC	Qtm	Total Amount (Rs)	Qty.	Amount (Rs)	
A	Geological Work								
1	Large Scale Geological Mapping (1:25K/12.5K) & sampling – Geologist field-days	100Sq.km	1.2(b)	11000	180	19,80,000	135	14,85,000	240man days
2	Geologists (HQ)days, pre & post field interpretation, Report writing 20 +20+10 days	One Geologist Per Day	1.2(a)	9000	60	5,40,000	30	2,70,000	45man days (including Remote sensing studies)
3	Satellite imagery (Ortho-corrected PAN-A/F (2.5m) (Cartosat-1) +	Two scenes	NA	10470	1	10,470	0	0	Rate is as per NRSC. To study Trap flows
	Carto sat 2			2890	2	5,780	0	0	Rate is as per NRSC
4	Pitting-100nos each one size 1*1*1m (1 Cu.m each)	Per Cu.m	2.1.2	3800	100	3,80,000	93	3,53,400	100 cu.m
5	sampler:	180 days	1.5.2	5100	46	2,34,600	30	1,53,000	
6	Labour (4 labour) attached to sampler	360 labour days	5.7	526	184	96,784	120	63,120	

7	Labour for geologist		5.7	526	360	1,89,360	270	1,42,020	
	Sub-Total -A					34,36,994		24,66,540	
B	Survey Work:								
1	Surveyor: Fixation & connection of boundary points (4 nos), 3 Bh by Total station/DGPS	One surveyor	1.6.2	19,200	7	1,34,400	0		Total 7 points
	Sub-total-B					1,34,400		0	
C	Core Drilling								
1	Scout drilling(coring) : 3 points (each 100 m deep) 3*100	Per meter	2.2.1.4a	11,500	300	34,50,000		0	
2	Construction of BH pillar (12" *12" * 30")	Per pillar	2.2.7a	2000	0	0		0	3 pillars
3	**Mob & demob drilling machine & inner BH shifting	Per shifting	lumpsum	0	0	0		0	lumpsum
4	Compensation for 3 Bhs		5.6	20,000	0	0		0	3 BHs
5	Drill core preservation in GI boxes	Per meter	5.3	1590	100	1,59,000		0	
	Subtotal-C					36,09,000		0	
D	Laboratory Studies								
1		For PGE	4.1.5d	11800	25	2,95,000			

	Pitting Sample: 100*1=100 nos)-by Fire Assay (ICPMS NiS)								PGE analysis will done only where Ni exceeds 0.2 %, high As, high Cu, If PGM grains are found in the microprobe analysis
2	Core drilling Samples- 3*100=300	For PGE	4.1.5d	11800	50	5,90,000	0	0	PGE analysis will done only where Ni exceeds 0.2%, high As, high Cu
	Total depth 100m each, samples will be collected at every 1.0m interval.						0	0	
	by ICP-MS method						0	0	
3	Trace element analysis (Ni,Cu, As, Mo, Re, In, Te & Co)- 14 element by ICPMS	For Ni,Co	4.1.13	5380	245	13,18,100	182	9,79,160	total 245 samples (2 trace elements)
	Major oxides by XRF technique (Whole rock analysis)		4.1.15a	4200	40	1,68,000	20	84,000	for BRS and selected core samples
3	Preparation of standard thin section	per sample	4.3.1	2353	10	23,530	10	23,530	5 sections
4	Complete petrographic/ore microscopic/ mineralographic studies	per sample	4.3.4	4232	10	42,320	10	42,320	5 samples
5	XRD analysis for identification of minerals(random)	Per sample	4.5.1	4000	10	40,000	5	20,000	5 samples
	EPMA	per Hours	4.4.1	8540	10	85,400	4	34,160	
	Sub-total-D					25,62,350		11,83,170	

E	Surface Geophysical Survey		Not recommended					
1	Electrical resistivity	Per Station						
2	gravity surveys	Per station						
3	Geo Physicist Man days (Field Man-days)							
4	Geo Physicist Man days (HQ)							
	Sub-total-E							
	TOTAL (A+B+C+D)				97,42,744		36,49,710	
F	Preparation of Exploration Proposal (5 Hard copies with a soft copy)		5.1	2% of the project cost subject to a maximum of 5 lakhs	1	1,94,855	72,994	2% of the Project cost.
G	Geological Report (5 Hard copies with a soft copy)		5.2	5% of the Project cost or 2.5lakhs		4,87,137	1,82,486	5% of the Project Cost.or 7.5lakhs
	peer review charges					30,000	30,000	
	operational charges (10% of approved drilling cost)	6	ii			3,45,000	0	
	tendering cost (2% of the approved drilling cost)		2.3			69,000	0	
	Additional Copy			3000	0	0	0	

Project Cost without GST	1,08,68,736		39,35,190	
18% GST	19,56,372		7,08,334	
Total Project Cost	1,28,25,109		46,43,524	
Rs. In Lakh	128.25		46.44	
Note:				
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.			
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.			
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In			
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.			
5	Any item of work not mentioned above shall be added as per SoC.			
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.			

List of participants attended 20th meeting of Technical-cum-cost Committee (TCC-II) of NMEDT held on 02nd and 05th January 2026 through video conferencing mode

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