

Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 32nd meeting of Technical-cum-Cost Committee - II (TCC - II)
held on 6th and 7th July, 2026

The 32nd meeting of Technical-cum-Cost Committee-II (TCC-II) of National Mineral Exploration and Development Trust (NMEDT) was convened through video conferencing on 6th and 7th July, 2026. The meeting was chaired by Shri Pradeep Singh, ADG (PSS), GSI and Chairman, TCC-II, NMEDT.

Members of TCC-II, NMEDT and representatives from M/s MMPL Private Limited, M/s Enkay Enviro Services Private Limited, M/s Vardan Environet LLP, M/s GMMCO Technology Services Limited, M/s Bhushilp Mines and Minerals Private Limited, M/s Geo Marine Solutions Private Limited, M/s GEMS Project Private Limited, M/s. GeoExpOre Private Limited, M/s Engeotech Consultant, M/s PRB Infraprojects Private Limited, FCI Aravali Gypsum and Minerals India Limited (FAGMIL), Jharkhand Exploration and Mining Corporation Limited (JEMCL), Mineral Exploration and Consultancy Limited (MECL), Central Mine Planning & Design Institute Limited (CMPDIL), M/s Critical Mineral Trackers, M/s BMRC Geomining Solutions Private Limited, M/s Vibrant Techno Lab Private Limited, M/s Unised Research Consultants Private Limited, M/s South West Pinnacle Exploration Limited, DMG Rajasthan, DGM Telangana, DGM Jharkhand etc. have attended the meeting through video conferencing mode. The list of participants is at **Annexure-1**.

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

Dr. S. Ravi, DDG & HOD, GSITI, and Chairman, TCC-I, NMEDT, presided over the afternoon session of the meeting held on 7th July, 2026.

32.1 Technical Evaluation of New Project Proposals

Agenda 32.1.1 Preliminary Exploration (G3) for Graphite in Chaurakhar-Kundpan block, Balrampur-Ramanujganj District, Chhattisgarh

ID: ME/DD/G3/CT/26-27/055

Area: 4.4 sq. km

[Implementing Agency: M/s MMPL Private Limited]

- a) The proposed block of 4.4 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 64M/5, in parts of Balrampur-Ramanujganj District, Chhattisgarh.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block overlaps 100% with GSI work FS 2023-24 Reconnaissance Survey For REE And RM Mineralization In Chotanagpur Gneissic Complex (CGC) Around Chainpur-

		Sundarpur Area, Balrampur District, Chhattisgarh; Overlaps more than 70% with GSI work of FS 2025-26, Preliminary exploration for graphite in Kundpan- Bhagoditola area, Balrampur-Ramanujganj District, Chhattisgarh; Overlaps more than 90% with GSI work of FS 2025-26, Preliminary exploration for graphite in Chaurakhar-Piperpan area, Balrampur-Ramanujganj district, Chhattisgarh and Overlaps more than 90% with GSI work of FS 2025-26, General exploration for graphite in Kundpan- Bhagoditola area, Balrampur-Ramanujganj District, Chhattisgarh.
2	AMD	AMD has carried out G4 stage of exploration for uranium in and around the proposed block in different phases, wherein evidence of U mineralisation has been established. Grab samples (n=27) analysed up to 0.85% U ₃ O ₈ from the area. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the said commodities mentioned. In view of known potentiality for uranium in the area, analysis of uranium may be included in the analysis list. Further, intimation regarding drilling of the boreholes, if any, during the exploration may be communicated to AMD for gamma ray logging.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Comments not available
5	NMEDT	Overlaps with Reconnaissance Survey (G4) for Graphite in Dindo-Belkurta-Basera Area Balrampur, Chhattisgarh) of M/s MMPL Pvt. Ltd.

c) As per the comments of GSI the proposed block overlaps with G3 exploration blocks of GSI.

d) Considering the above, the Committee did not agree to recommend the proposal.

Recommendations of TCC-II

The Committee did not recommend the proposal due to overlap of the proposed block with the GSI exploration blocks.

Agenda 32.1.2 Preliminary Exploration (G3) for Graphite in Chunapathar-Chera block, Balrampur-Ramanujganj District, Chhattisgarh

ID: ME/DD/G3/CT/26-27/057

Area: 2.0 sq. km

[Implementing Agency: M/s MMPL Private Limited]

- a) The proposed block of 2 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 64M/1, in parts of Balrampur-Ramanujganj District, Chhattisgarh.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block overlaps 100% with GSI work FS 2023-24 Reconnaissance Survey For Ree And Rm Mineralization In Chhotanagpur Gneissic Complex (CGC) Around Chainpur-Sundarpur Area, Balrampur District, Chhattisgarh; Overlaps more than 70% with GSI work of FS 2025-26, Preliminary exploration for graphite in Kundpan- Bhagoditola area, Balrampur-Ramanujganj District, Chhattisgarh; Overlaps more than 90% with GSI work of FS 2025-26, Preliminary exploration for graphite in Dumerpan-Chunapathar area, Balrampur-Ramanujganj District, Chhattisgarh.
2	AMD	AMD has carried out G4 stage of exploration for uranium in and around the proposed block in different phases, wherein evidence of U mineralisation has been established. Grab samples (n=13) analysed up to 0.15% U ₃ O ₈ and 0.026% ThO ₂ from the area. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned. In view of the known potential for uranium in and around the proposed block and future follow up exploration by AMD, the proposed block is not recommended.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Comments not available
5	NMEDT	NMEDT funded blocks are not present the proposed block in NGDR

- c) As per the comments of GSI the proposed block overlapped with G3 exploration block of GSI, FS 2025-26.
- d) Considering the above, the Committee did not agree to recommend the proposal.

Recommendations of TCC-II

The Committee did not recommend the proposal due to overlap of the proposed block with GSI exploration block.

Agenda 32.1.3 Reconnaissance Survey (G4) for Graphite in Ejamar area, Latehar District, Jharkhand

ID: ME/DD/G4/JH/26-27/056

Area: 20.39 sq. km

[Implementing Agency: M/s MMPL Private Limited]

- a) The proposed area of 20.39 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet no. 73A/5, in parts of Latehar district, Jharkhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block's north part overlaps with Nawadih-Gurha G4 block of GSI FS 2021-22.
2	AMD	AMD has carried out G4 stage of exploration for uranium in and around the proposed block in different phases, wherein incidence of U mineralisation has been established. Grab samples (n=12) analysed up to 0.059% U_3O_8 and up to 0.28% ThO_2 from the area. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the said commodities mentioned. In view of known potentiality for uranium in the area, analysis of uranium may be included in the analysis list. Further, intimation regarding drilling of the boreholes, if any, during the exploration may be communicated to AMD for gamma-ray logging.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Not Available.
5	NMEDT	No NMEDT funded blocks are present near the proposed block in NGDR

- c) The agency informed that, during Field Season (FS) 2022-23, GSI carried out a G4-stage reconnaissance survey in the Chama-Barwaiya area of Latehar and Palamu districts, Jharkhand, covering the north-eastern part of the proposed block. Two graphite mineralized zones were identified. In Zone-I, mineralization was delineated over approximately 300 m × 20-30 m and 150 m × 20 m. Analytical results indicated fixed carbon (FC) values exceeding 12%, with a maximum of 34.78%. Additional graphite mineralized zones measuring approximately 200 m × 20-30 m and 400 m × 10-20 m were also identified. Fixed carbon values in bedrock samples ranged from 0.58% to 28.02%, while trench samples assayed between 1.01% and 34.78% FC. Vanadium values ranged from 327 to 1,237 mg/kg. The agency further informed that GSI carried out G3-stage exploration in the northern part of the proposed block during FS 2022-23. The Budhiyabagi block was estimated to contain 5.625 million tonnes of graphite resources at a 2% FC cut-off, with an average grade of 7.80% FC. In

addition, vanadium resources, estimated at a 500 ppm cut-off, were assessed at 4.682 million tonnes with an average grade of 1,007.26 ppm (0.18% V₂O₅). The graphite flakes were reported to range in size from 150 to 550 µm.

- d) The agency also informed that geologists of MMPL carried out geological traverses within the proposed Ejamar block and collected eleven bedrock samples. Of these, six samples returned encouraging fixed carbon values ranging from 2.16% to 24.86%, indicating the continuation of graphite mineralization within the proposed exploration area.
- e) Considering the overlap of the proposed block with the Eco-Sensitive Zone (ESZ) and GSI's exploration area, the Committee observed that the block boundaries required modification. Accordingly, the agency revised the block by excluding the earlier overlapping portions and incorporating adjoining areas extending block in east and west direction so that the total area became around 35.38 sq. km.
- f) The Committee was of the view that the newly incorporated areas should be supported by adequate evidence of mineral potential before the project could be considered. The committee further advised the agency to verify the overlapping status of modified exploration area with ESZ. The agency was, therefore, advised to submit a fresh proposal in the next TCC meeting, along with supporting geological and mineralization evidence for the proposed additional areas.

Recommendations of TCC-II

The Committee did not recommend the proposal as the modified area lack adequate evidence of mineral potential and the overlapping status with ESZ was not clear in the modified area.

Agenda 32.1.4 Preliminary Exploration (G3) for Iron in Sandalpur block, Gwalior District, Madhya Pradesh

ID: ME/DD/G3/MP/26-27/027

Area: 6.0 sq. km

[Implementing Agency: M/s MMPL Private Limited]

- a) The proposed block of 6 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 54J/4, in parts of Gwalior district, Madhya Pradesh.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	It has carried out following projects, Reconnaissance survey for iron ore mineralization in Santau, Kansar and Mangor area in parts of T.S. No. 54J/4, Gwalior district, Madhya Pradesh. (FS 2022-23); Preliminary exploration for Iron ore in Maheshwara-Mangor block Gwalior distt. M.P. (FS 2025-26). Preliminary exploration for Iron ore in Santau block Gwalior distt. M.P. (FS 2025-26).

2	AMD	AMD has carried out reconnaissance exploration (G4 stage) for uranium in and around the proposed block. No significant surface radioactive zone was delineated. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	The proposed block has no overlapping with the ongoing or completed blocks of MECL.
4	DGM	No major or minor mineral lease/ quarry lease is found to be operating in the area. As per previous exploration works, the area is considered to have potential for occurrence of iron ore. At present, no exploration work is being carried out in the proposed area.
5	NMEDT	No NMEDT funded blocks are present near the proposed block in NGDR

- c) As per the comments received from GSI, two (2) G3-stage iron ore exploration projects undertaken by GSI during FS 2025–26 are located to the west of the proposed block. The committee in 31st TCC-II meeting suggested the agency to get the status of two GSI, G3 exploration projects for Iron Ore in the west of the proposed project and incorporating the available data into the DPR.
- d) The committee observed that the suggestion made by the committee was not followed up and further no samples were collected from the field by the agency, no clear identification was made about the iron bands, i.e., BMQ, BHQ, BJQ etc., and no channel sample data was available to ascertain the width of iron band.
- e) In view of the above, the Committee opined that the findings of GSI's G3-stage exploration should be incorporated into the DPR and suggested to indicate results/outcome of GSI's G3 block lying in west to the proposed block. THE committee also suggested to ascertain alumina & phosphorous content in iron ore that is crucial for demand in industrial sector. The Committee further requested the NMEDT Secretariat to obtain the findings of the two GSI exploration projects from GSI to facilitate an informed decision on the future course of action for iron ore exploration in the area.
- f) The committee advised that a fresh proposal may be submitted after incorporating the findings of GSI's G3-stage exploration work carried out in the adjacent area.

Recommendations of TCC-II

The committee did not recommend the proposal as the proposal lacked the sufficient background geological information and supportive field evidences for G3 proposal. The committee further suggested the agency that fresh proposal may be submitted after incorporating the findings of GSI's G3-stage exploration work carried out in the adjacent area.

Agenda 32.1.5 Preliminary Exploration (G3) for Iron in Kudi Kochita block, Sidhi District, Madhya Pradesh

ID: ME/DD/G3/MP/26-27/038

Area: 4.16 sq. km

[Implementing Agency: M/s MMPL Private Limited]

- a) The proposed block of 4.16 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 63H/15, in parts of Sidhi district, Madhya Pradesh.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block overlaps with the GSI earlier projects titled 1) Report on the investigation for copper in Bahera Baharia shear zone, Sidhi district, Madhya Pradesh (FS 1978-79) 2) Reconnaissance Survey for search of extent of low-grade iron ore in Mahakoshal belt in Kochita-Bhatha Pokhra-Bharuhi areas of Sidhi district, Madhya Pradesh. (FS:2017-18) 3) Report on Preliminary exploration of low-grade Iron in Gandhigram block, Sidhi District, Madhya Pradesh (FS:2019-20)
2	MECL	It is observed that nearly 40% of the area of M/s MMPL Private Limited Block overlaps with the MECL block, for which prior consent has already been submitted to the DMG Office, Madhya Pradesh.
3	DGM	Not available
4	NMEDT	The proposed is present near the NMEDT funded blocks of CMPDI, MECL and MMPL. The proposed block buffer zone overlaps with the MMPL ongoing Amhawa and Bamuri G3 blocks of Iron Ore.

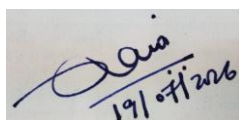
- c) This project was discussed in 31st TCC-II. The agency informed that, during Field Season (FS) 2017-18, GSI carried out G4-stage large-scale mapping for the search of low-grade iron ore in the Gandhigram, Beheraha, Pakhuri, and Chaupal areas of Sidhi District, Madhya Pradesh. The Banded Iron Formation (BIF) bands mapped in the area were found to be laterally persistent, extending for several kilometers without significant discontinuity. The occurrence of linear ridges, micro-faults, mesoscopic and microscopic folds, and brecciated BIF zones enriched with iron oxides, yielding Fe₂O₃ values of up to 70%, indicates favourable potential for iron mineralization. The agency further informed that, within the proposed G3 exploration block, nine surface samples collected by GSI during FS 2017-18 assayed between 35.75% and 72.18% Fe (T). In addition, five bedrock samples collected by Maheshwari Mining Private Limited (MMPL) returned Fe (T) values ranging from 36.60% to 62.90%, corroborating the iron ore potential of the proposed area. Further, as desired by the Committee, the agency presented the findings of the adjacent ongoing Amhawa and Bamuri iron

ore blocks of MMPL Private Limited. The proposed block was present in the east extension of these two ongoing blocks containing three BIF bands.

- d) Considering the above, the Committee agreed to recommend the proposal for approval of PSC. A total of 1,360 m of drilling, comprising 16 boreholes, was agreed, including 10 boreholes in 1st level and 6 boreholes in the 2nd level. Commencement of drilling in the 2nd level boreholes shall be subject to a review of the results obtained from the 1st level boreholes.

Recommendations of TCC-II

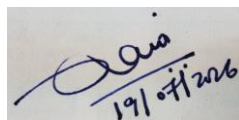
The Committee recommended the proposal for approval of PSC for “Preliminary Exploration (G3) for Iron in Kudi Kochita block, Sidhi District, Madhya Pradesh” with an estimated cost of ₹ 343.55/- lakhs (including GST) within time schedule of 12 months for carrying out the proposed work and submission of geological report as per Annexure – 2A & 2B. The item will be reviewed after 04 and 08 months.



Annexure 2A

Cost Estimate for Preliminary exploration (G3) for Iron in Kudi Kochita Block, Sidhi District, Madhya Pradesh
Total area: 4.16 sq. km, BH: 16, Drilling: 1360 m, Period of Completion: 12 months, Review: After 4 and 8 months

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC		Qty. (C)	Estimated Cost of the Proposal	Remarks
			SoC-Item No. *	Rates as per SoC * (a)		Total Amount (Rs)	
						(a*c)	
A	Geological Mapping Other Geological Work & Surveying						
i	Geological mapping (1:4,000)	per sq. km	1.1	18300	4.16	76128	
ii	Charges for one Geologist per day in field (without labour)	day	1.2.1a(b)	14,500	120	1740000	
iii	Labours Charges (Geologist)	day	5.8	556	240	133440	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iv	Charges for Geologist per day (HQ)	day	1.2.1a(a)	10,500	30	315000	


v	Sample processing work including marking of samples, core splitting, crushing and powdering of samples, coning and quartering, packing & labeling of samples, preparation of beneficiation samples etc.	Charges for one Sampler per day	1.2.1b	7,850	77	604450	
vi	Labours for Sampler (4 Nos)	day	5.8	556	308	171248	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	Sub Total- A					3040266	
B	Survey work						
i	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	26	624000	10 Boundary points, 16 BH Point

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ii	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes with total station etc.	Charges for one Surveyor per day	1.3.1	10,500	30	315000	For Topographical survey
iii	Labours Charges for survey work;	day	5.8	556	120	66720	
	Sub-Total B					1005720	
C	Trenching/Pitting						
i	Trenches	per cu. m	2.1.1	4125	100	412500	
	Sub Total C					412500	
D	DRILLING (after review)- In -house						
i	Drilling (very Hard rock)	per m	2.2.1.1e	12,650	1360	17204000	10 first level boreholes with 800 m spacing, remaining post review. Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.

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ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	16	480000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	16	32000	
iv	Drill Core Preservation	per m	5.3	1,590	550	874500	One full Borehole of 70 m, remaining mineralised zone of 15 boreholes
v	Miscellaneous charges(Transportation of drilling rig, accommodation for drill camp, camp setting and winding, construction of approach road)	Lumpsum	2.2.9	For Drilling cost more than 1 Crore and less than 2 Crores : 15% of the Drilling Cost with a maximum ceiling of ₹ 20 lakh.	-	2000000	
	Sub Total D					20590500	
E	LABORATORY STUDIES						
1	Chemical Analysis						
	Geochemical Sampling						

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i	Major oxides (WD XRF)- (oxides+ traces -24 elements)	per sample	4.1.17a	4,200	520	2184000	BRS: 20, Channel samples: 100, Trench:100, CS:300 samples
ii	Analysis for precious (Au) metals by fire assay technique	per sample	4.1.5a	3,500	10	35000	
iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be, Sn,As,Th, Co, V,) by ICP-MS (sequential technique)	per sample	4.1.15	₹ 7,400.00	20	148000	
	Check samples (10% External)						
i	Major oxides (WD XRF)- (oxides+ traces -24 elements)	per sample	4.1.17a	4,200	52	218400	
ii	Analysis for precious (Au) metals by fire assay technique	per sample	4.1.5a	3,500	1	3500	
iii	Analysis of one rock/ soil sample for	per sample	4.1.15	₹ 7,400.00	2	14800	

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	quantitative analysis of 14 REE elements + 9 trace element(U,Ta,Ge,Be, Sn,As,Th, Co, V,) by ICP-MS(sequential technique)						
2	<u>Physical & Petrological Studies</u>						
i	Preparation of thin section	Nos	4.3.1	500	10	5000	
ii	Preparation of polish section	Nos	4.3.2	800	10	8000	
iii	Complete petrographic study	Nos	4.3.4	2,800	20	56000	
iv	EPMA study	per hour	4.4.1	10500	10	105000	
v	Bulk density analysis	Nos	4.8.3	2,500	3	7500	
	Sub Total E					2785200	
	Total A to E					27834186	
F	Geological Report Preparation	Soft copy	5.2	iii		750000	Reimbursement will be made after submission of the final Geological Report in soft copy to NMEDT
G	Peer review Charges		As per EC decision	30,000		30000	

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H	Preparation of Exploration Proposal	Soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		500000	Reimbursement after submission of 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.
	Total Estimated Cost without GST					29114186	
	Provision for GST (18%)					5240553	GST will be reimbursed as per actual and as per notified prescribed rate
	Total Estimated Cost with GST					34354739	
				Rs. In Lakhs		343.55	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing Govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Item no. 6 of 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.						

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Timeline- Preliminary exploration (G3) for Iron in Kudi Kochita Block, Sidhi District, Madhya Pradesh

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

Agenda 32.1.6 Reconnaissance Survey (G4) for Base metal and other associated mineralization in Kalsans-Reechhra area, Bhilwara District, Rajasthan.

ID: ME/DD/G4/RJ/26-27/053

Area: 25.1 sq. Km

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

- a) The proposed area of 25.1 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet no. 45K/11, in parts of Bhilwara district, Rajasthan. During the review of the project proposal in 24th TCC-II meeting held on 2nd and 3rd March, 2026 the Committee advised the agency to visit the proposed area and collect, analyze some samples by themselves to justify the proposal.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	It has carried out following projects, Reconnaissance Survey for Copper and associated mineralization in Lanpiya- Indrapura area between already explored Banera and Sanganer Block, Bhilwara District, Rajasthan (G4), FS 2018-19; Reconnaissance survey for base metal and associated mineralization in Suwana block, Bhilwara District, Rajasthan (Stage: G4), FS 2019-20; Reconnaissance Survey for REE and associated minerals in Kodukota-Raser-Lulas-Kallya khera area of Bhilwara district, Rajasthan (Stage: G4), FS 2022-23. At present no G4 stage exploration project is going on in the proposed area.
2	MECL	No overlapping with the ongoing or completed blocks of MECL.
3	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously.
4	DGM	This proposal area does not conflict with any mineral concessions and litigations other than 26.34 hectares (0.2634 sq. km) part of proposal area conflicting with Aravali status as per FSI report, which is sub judice at Hon'ble Supreme Court. As per aforesaid information, consent for exploration for this proposal is given conditionally, exploration execution shall remain affected with decision of Hon'ble Supreme Court in this regard.
5	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area in NGDR.

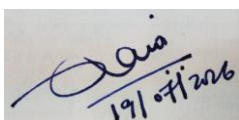
- c) The agency informed that they have done the initial field visit, collected 10 samples and analyzed them. One of the analyzed samples recorded 5699 ppm of Zn, 82 ppm of Pb, 79 ppm of Cu, 138 ppm of Co and 123 ppm of Ni. The agency further informed that previous GSI investigations have identified significant mineralization in the area. During Field Season 2019-20, anomalous base metal concentrations were reported near Kewara Village and Balaji ka Khera, where Cu values of 0.19-0.418% were recorded from 6 BRS samples in

meta-sedimentary amphibolite/hornblende-bearing quartzite. In the Indrapura–Lanpiya Block (FS 2018–19), 3 base metal mineralized zones (MZ1–MZ3) were delineated based on geological, geochemical, and structural studies, with Cu values ranging from 2,266 to 23,796 ppm. The reconnaissance survey for REE also identified anomalous concentrations near Sidariyas village, with Σ REE values reaching 3,241 ppm in soil, 5,624 ppm in stream sediments, and 3,757 ppm in heavy mineral sediments, highlighting the area's potential for both base metal and REE mineralization.

- d) As per the comments received from DMG, Rajasthan, a few isolated patches within the proposed area, covering approximately 0.6 sq. km, fall under the Aravalli status. The committee opined that since the proposed block was intended for reconnaissance survey the small overlapping area with Aravalli status should be excluded from the proposed project area and work thereafter be carried out. The Committee advised the agency to exclude the overlapping portions with Aravali status, from the proposed area. Accordingly, the agency reduced the area to 24.5 sq. km excluding the portions with the Aravalli part status.
- e) Considering the above, the committee agreed to recommend the proposal for approval of PSC. A total of 300 m of drilling in 2 boreholes was agreed. The Committee advised the agency to exclude the portions with Aravali status as indicated by DMG Rajasthan. The committee further recommended the change in the title of the proposal to 'Reconnaissance Survey (G4) for Zn and associated Critical Minerals in Kalsans–Reechhra Area District Bhilwara, Rajasthan'.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for "Reconnaissance Survey (G4) for Zn and associated Critical Minerals in Kalsans–Reechhra Area Bhilwara District, Rajasthan" with an estimated cost of ₹ 94.95/- lakhs (including GST) within time schedule of 10 months for carrying out the proposed work and submission of geological report as per Annexure – 3A & 3B. The item will be reviewed after 4 and 8 months.



Cost Estimate for Reconnaissance Survey (G4) of Zn and associated Critical Minerals in Kalsans-Reechhra Area, Bhilwara District, Rajasthan.
Area: 24.5 sq.km, Total Drilling: 300 m, BH:2, Total Duration: 10 months, Review after: 4 & 8 months.

S.No.	Item of Work	SoC Sr. No.	Units	Qty (a)	Rates as per SoC (c)	Estimated Cost of the Proposal (In Rs.)	Remarks
						Total Amount (in Rs.) (a*c)	
1	Geological Mapping (1:12,500)						
a	Large Scale (LSM) Geological Mapping	1.1	per sq. km	24.5	18300	448350	
b	Charges for one Geologist per day at HQ	1.2.1a(a)	per day	30	10500	315000	
c	Charges for one Geologist per day in field (without labour)	1.2.1a(b)	per day	90	14500	1305000	
d	Labour Charges (Geologist)	5.8		180	556	100080	As per rates prescribed by Central Labour Commission rates or respective State Govt. whichever is higher
e	Sample processing work including marking of samples, core splitting, crushing and powdering of samples, coning and quartering, packing & labeling of samples, preparation of beneficiation samples etc.	1.2.1b	per day	25	7850	196250	
f	Labour for sampler (4)	5.8		100	556	55600	As per rates prescribed by Central Labour Commission rates or respective State Govt. whichever is higher

					Sub Total: 1	2420280	
2	Survey work						
a	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work) - use of CORS Network system for all DGPS is compulsory	1.3.2	Per point of observation	2	24000	48000	
					Sub Total: 2	48000	
3	Trenching/Pitting						
a	Pitting	2.1.2	per cu. m	50	4725	236250	
b	Trenching	2.1.1	per cu. m	100	4125	412500	
					Sub Total: 3	648750	
4	Core Drilling (Outsourced)						
a	Drilling	2.2.1.1d	Per m	300	10000	3000000	Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
b	Land/Crop Compensation	5.6	Per BH	2	30000	60000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole
c	Borehole plugging by cement	2.2.8	Per BH	2	10000	20000	
d	Drill Core Preservation	5.3	Per m	50	1590	79500	
					Sub Total :4	3159500	
5	Laboratory Study						
	Chemical Analysis						

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a	Major oxides (WD XRF)- (oxides+ traces -24 elements)	4.1.17a	Per Sample	150	4200	630000	BRS-20, CS-30, TS- 100
	External Check (10%)	4.1.17a	Per Sample	15	4200	63000	
b	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS(sequential technique)	4.1.15	Per Sample	30	7400	222000	
	External Check (10%)	4.1.15	Per Sample	3	7400	22200	
	Sub Total : 5					937200	
6	Petrological studies						
a	Preparation of polished thin section of rock/ wafer	4.3.2	Per Sample	10	800	8000	
b	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	4.3.4	Per Sample	10	2800	28000	
c	Bulk Density	4.8.3	Per Sample	2	2500	5000	
	Sub Total: 6					41000	
	Total 1 to 6					7254730	
	Cost of Outsourced Components					3000000	
	Tendering Cost			5.9		60000	
	Technical Supervision charge			6		300000	

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	Total					7614730	
7	Preparation of Exploration Proposal	5.1				152295	
8	Geological Report Preparation	5.2(ii)				250000	
9	Peer Review charge	As per EC				30000	
	GRAND TOTAL					8047025	
	GST @ 18%					1448464	
	Grand Total Including GST					9495489	
	Rs. In Lakhs					94.95	
Note							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing Govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Item no. 6 of 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.						

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**Timeline- Reconnaissance Survey (G4) of Zn and associated Critical Mineralization in Kalsans-Reechhra Area, Bhilwara District32,
Rajasthan**

S. No	Activity	MONTHS												
		M1	M2	M3	M4	Review	M5	M6	M7	M8	Review	M9	M10	
1	Camp setting													
2	Geological mapping													
3	Sample preparation													
4	Analytical work													
5	Pitting and Trenching													
6	Sample preparation (Pit and Trench samples)													
7	Analytical work													
8	Drilling													
9	Report Writing with Peer Review													
10	FGR Submission													

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Agenda 32.1.7 Reconnaissance survey (G4) for Bauxite and associated minerals in Reladiya-Raydhanjar area, Kachchh district, Gujarat.

ID- ME/IND/G4/GJ/P/26-27/007

Area: 21 sq. km

[Implementing Agency: M/s Vardan Environet LLP]

- a) The proposed area of 21 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet no. 41E/4, in parts of Kachchh district, Gujarat.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	There are no ongoing reconnaissance or exploration projects pertaining to Bauxite and associated minerals in the proposed area.
2	MECL	With reference to Proposal ID ME/IND/G4/GJ/P/26-27/007 submitted by M/s Vardan Environet LLP on 27.05.2026 for "Reconnaissance Survey (G4) for Bauxite and Associated Minerals in Reladiya-Raydhanjar Area, Kachchh District, Gujarat", it is observed that the proposed block is partially overlapping with the block already allotted to MECL by the CGM, Gujarat. In view of the overlap with the MECL-allotted block, the proposal may be examined accordingly before further consideration.
3	AMD	There is no ongoing exploration / reconnaissance project.
4	DGM	It showed the overlapped area with the MECL proposal Kachh Tertiary clay-laterite (G4) proposed in workshop and NOC was issued to MECL dated 19.8.2024.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

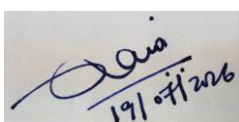
- c) The agency informed that the CGM, Gujarat, identified several prospective bauxite blocks in the Kachchh Basin through earlier exploration and documented them in the Gujarat's Mineral Wealth booklet. Subsequently, CGM, Gujarat, granted Vardan Environet LLP a No Objection Certificate (NOC) via official email dated 20/09/2025 to undertake exploration in selected blocks. The proposed Reladiya-Raydhanjar Bauxite Block (G-4 stage) is one of them.
- d) Based on the MECL and DGM comments the committee suggested the agency to modify the proposed area excluding the overlapped area with the MECL proposed G4 block whose NOC was given by CGM to MECL. Subsequently the agency submitted the revised area of 15 sq. km after excluding the overlapped area and presented before the committee.
- e) The agency informed the committee that the geological mapping of the Mesozoic and Tertiary rocks of Kachchh (FSP 1981-82 and 1984-85) confirmed the presence of bauxite within the supra-trappean formation. The formation comprises oolitic, pisolitic, and locally reworked conglomeratic bauxite and laterite, associated with ash/shale beds, lithomarge, aluminous grit, feldspathic

sandstone, and aluminous clay. These sediments occur as hard, compact ridges and plateaus overlying the Deccan Traps. The bauxite is interpreted to have formed through in-situ lateritization and bauxitization of the Deccan Trap basalts and associated pyroclastic material.

- f) Considering the above, the Committee agreed to recommend the proposal for approval of PSC. A total of 200 m of drilling in 8 boreholes was agreed.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “Reconnaissance survey (G4) for Bauxite and associated minerals in Reladiya-Raydhanjar area, Kachchh district, Gujarat” with an estimated cost of ₹ 55.60/- lakhs (including GST) within time schedule of 10 months for carrying out the proposed work and submission of geological report as per Annexure – 4A & 4B. The item will be reviewed after 4 and 8 months.



Annexure 4A

Cost Estimate for Reconnaissance survey (G4) for Bauxite and associated minerals in Reladiya-Raydhanjar area, Kachchh District, Gujarat

Area:15 sq. km, Drilling: 200 m; BH:8; Schedule timeline- 10 months, Review: After 4 months and 8 months

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Geological Mapping Other Geological Work & Surveying						
1	Geological mapping, (1:12,500)	Per sq. km.	1.1	18,300	15.00	274500	
2	Charges for one Geologist per day in field (without labour)	day	12.1a(b)	14,500	90	1305000	
3	Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.		5.8	556	180	100080	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
4	Charges for one Geologist per day at HQ	day	1.2.1a(a)	10500	30	315000	
5	Charges for one Sampler per day	day	1.2.1b	7850	11	86350	
6	Labours for sampler (4 Nos)		5.8	556	44	24464	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.

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	Sub Total- A					21,05,394	
B	Survey work- Outsource						
1	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	8	1,92,000	8 BHs
	Sub-Total B					1,92,000	
C	DRILLING - Outsource						
1	Drilling	Per m	2.2.1.1c	5,500	200	11,00,000	Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
2	Drill core Preservation	Per m	5.3	1,590	100	1,59,000	
3	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	8	2,40,000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole
4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	8	16,000	
	Sub Total C					15,15,000	
D	LABORATORY STUDIES						
	Geochemical Studies						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per Sample	4.1.17a	4,200	50	2,10,000	BRS-10+Drill core-40
2	External (10%) Check samples	Per Sample	4.1.17a	4,200	5	21,000	
3	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique)	Per Sample	4.1.15	7,400	20	1,48,000	
4	External (10%) Check samples	Per Sample	4.1.15	7,400	2	14,800	

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5	Combined determination of Trihydrate Alumina (THA-140 C) Monohydrate Alumina (MHA-240 C) & Reactive Silica	Per Sample	4.1.19a	7,500	5	37,500	
	Physical, Petrological, Mineralogical Studies						
1	Preparation of standard thin section of rock	Per Sample	4.3.1	500	2	1,000	
2	Preparation of polished thin section of rock/ wafer	Per Sample	4.3.2	800	3	2,400	
3	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Per Sample	4.3.4	2,800	5	14,000	
4	Bulk density determination	Per Sample	4.8.3	2,500	5	12,500	
5	XRD Studies	Per Sample	4.5.2a	4,900	3	14,700	
	Sub Total D					4,75,900	
	Total Outsource Cost					12,92,000	
	Total A to D					42,88,294	
E	Reimbursement of cost in case of outsourced components of project work (Technical Supervision Cost)	Lumpsum	6			1,29,200	Technical Supervision cost shall be 10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh.
F	Tendering Process Cost	One time in case of outsourced	5.9			25,840	2% of the Cost or Rs. 5.0 Lakhs whichever is less

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		components of project work					
	Total Cost					44,43,334	
G	Geological Report Preparation	soft copy	5.2(i)			1,50,000	
H	Peer review Charges	As per EC decision				30,000	
I	Preparation of Exploration Proposal	soft copy	5.1			88,867	
	Total Estimated Cost					47,12,201	
	Provision for GST					8,48,196	GST will be reimbursed as per actual and as per notified prescribed rate
	Total Estimated Cost with GST					55,60,397	
	Rs. In Lakhs					55.60	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing Govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the 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.						

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Annexure 4B

Timeline- Reconnaissance survey (G4) for Bauxite and associated minerals in Reladiya-Raydhanjar area, Kachchh district, Gujarat

S.No.	Activities												
		MONTH-1	MONTH-2	MONTH-3	MONTH-4	Review	MONTH-5	MONTH-6	MONTH-7	MONTH-8	Review	MONTH-9	MONTH-10
1	Literature survey												
2	Detailed mapping												
3	Core drilling & associated works												
4	Sampling												
5	Geochemical studies												
6	Petrographic studies												
7	Peer review												
8	Report writing & submission of final report												

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Agenda 32.1.8 Preliminary Exploration (G3) for Limestone in Mudimanikyam block, Nalgonda District, Telangana.

ID: ME/DD/G3/TG/26-27/099

Area: 5.0 sq. km

[Implementing Agency: M/s GMMCO Technology Services Limited]

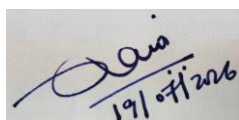
- a) The proposed block of 5 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 56P/10, in parts of Nalgonda district, Telangana.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The Mudimanikyam Block area proposed by M/S. GMMCO TECHNOLOGY SERVICES LTD (GTS) falls within the G4 stage exploration block carried out by GSI during the FS year 2013-14 and also falls within the Kotta- Ambapuram and Wazirabad Diamond Block (G4) which will be taken up in FS 2026-27. The G4 stage exploration carried out by GSI delineated massive limestone having cement grade. Therefore, it is feasible to take up G3 exploration for limestone in the proposed area.
2	MECL	The proposed block has no overlapping with the ongoing or completed blocks of MECL.
3	DGM	Not available
4	NMEDT	As per the NGDR portal, the proposed block does not overlap with explored or ongoing blocks.

- c) In 27th TCC-II meeting the Committee deferred (kept on hold) the proposal till the review of the results of the adjacent Adividevulapalli block for the Limestone commodity.
- d) GMMCO Technology Services Limited informed that the proposed block is underlain by the Narji Formation limestone of the Palnad Basin, a well-established cement-grade limestone horizon. Earlier G-4 stage (UNFC) exploration by the GSI, involving 1:25,000 scale geological mapping over 100 sq. km, delineated extensive cement-grade limestone, particularly around Mudimanikyam. Chemical analyses indicate favorable quality, with an average CaO of 46.43%, SiO₂ of 12.83%, and MgO ranging from 0.28% to 0.89%. Based on these results, about 10 sq. km was recommended for detailed drilling. Although surface exposures suggest good lateral continuity, the subsurface extent, thickness, and grade variation of the limestone within the proposed block remain to be established through detailed exploration.
- e) Considering the above, the Committee agreed to recommend the proposal for approval of PSC, total of 400 m of drilling in 8 boreholes was agreed.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for "Preliminary Exploration (G3) for Limestone in Mudimanikyam block, Nalgonda District, Telangana" with an estimated cost of ₹ 96.21/- lakhs (including GST) within time schedule of 10 months for carrying out the proposed work and submission of geological report as per Annexure – 5A & 5B. The item will be reviewed after 3 and 6 months.



Annexure 5A

Cost Estimate for Preliminary Exploration (G3) for Limestone in Mudimanikyam Block, Nalgonda District, Telangana.
Area- 5 sq.km, Drilling: 400m; BH:8; Completion time-10 months, Review after 3 months and 6 months

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC		Estimated Cost of the Proposal	
			SoC - Item No. *	Rates as per SoC *	Qty.	Total Amount (Rs)
				(a)	(b)	(a*b)
A	Geological Mapping Other Geological Work & Surveying					
i	Geological mapping (1:4000 scale)	sq.km	1.1	18,300	5	91,500
ii	Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a(b)	14,500	120	17,40,000
iii	Charges for Geologist per day (HQ)	day	1.2.1a(a)	10,500	30	3,15,000
iv	Labours Charges; Bedrock, Core sampling and preparation of sample	day	5.8	556	240	1,33,440
v	Charges for one Sampler per day	one sampler per day	1.2.1b	7,850	31	2,43,350
vi	Labours for sampler (4 Nos)	day	5.8	556	124	68,944
vii	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc. a)	one surveyor per day	1.3.1	10,500	30	3,15,000

	Charges of one Surveyor per day (without labour) (Up to 4 labours will be allowed per surveyor)					
viii	b. DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24000	12	2,88,000
ix	c. Labours Charges for survey work	day	5.8	556	120	66,720
	Sub Total A					32,61,954
B	DRILLING					
i	Drilling (In-house) Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.	Per m	2.2.1.1c	5,500	400	22,00,000
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	Per BH	5.6	30,000	8	2,40,000
iii	Construction of concrete Pillar (12"x12"x30")	Per borehole	2.2.7	2,000	8	16,000
iv	Borehole Plugging by cement	Per borehole	2.2.8	10,000	8	80,000
v	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach Road)	Lumpsum	2.2.9	-	-	5,50,000
vi	Drill core preservation	Per m	5.3	1590	200	3,18,000
	Sub Total B					34,04,000
C	LABORATORY STUDIES					
1	Chemical Analysis					

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i	Major oxides (WD XRF) - (oxides + traces -24 elements)	Per Sample	4.1.17a	4200	220	9,24,000
ii	External Check (10%)	Per Sample	4.1.17a	4200	22	92,400
2	Physical & Petrological Studies					0
a	Preparation of thin section	Per sample	4.3.1	500	5	2,500
b	Study of thin section	Per sample	4.3.4	2800	5	14,000
c	Bulk Density	Per sample	4.8.3	2500	8	20,000
	Sub Total C					10,52,900
	Total A to C					77,18,854
D	Geological Report Preparation	Soft copy	5.2	5.2		2,50,000
E	Peer review Charges					30000
F	Preparation of Exploration Proposal		5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		1,54,377
	Total Estimated Cost without GST					81,53,231
	Provision for GST (18%)					14,67,582
	Total Estimated Cost with GST					96,20,813
	Say Rs. In Lakhs					96.21
Note						
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.					
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing Govt. of India rules/guidelines on procurement.					
3	If any part of the project is outsourced, the amount will be reimbursed as per the Item no. 6 of 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.					

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

Annexure 5B													
Timeline: Preliminary Exploration (G3) for Limestone in Mudimanikyam Block, Nalgonda District, Telangana													
S. No	Activity	Months											
		1	2	3	Review	4	5	6	Review	7	8	9	10
1	Camp Establishment												
2	Geological mapping												
3	Sampling (BRS)												
4	Sampling analysis (BRS)												
5	Survey (Boundary points and Drill collars)												
6	Drilling												
7	Core logging & sampling												
8	Sampling analysis (Drill core samples)												
9	Laboratory analysis (Petrography & Bulk Density)												
10	Camp winding												
11	Report preparation and submission												

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Agenda 32.1.9 Preliminary exploration (G3) for Aluminous laterite, Titanium, Vanadium and associated Critical minerals in Mudbiwadi block, Bidar District, Karnataka.

ID: ME/IND/G3/KA/P/26-27/013 (Area: 3 sq. Km.)

[Implementing Agency: M/s GMMCO Technology Services Limited]

- a) The proposed block of 3 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 56C/14, in parts of Bidar district, Karnataka.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block falls in the southern western part of the block carried out under Critical Mineral Assessment Programme for vanadium and associated critical minerals in lateritic rocks of Mudbi Block, Bidar District, Karnataka. FS 2024-25. In the proposed area, no exploration/reconnaissance projects are ongoing.
2	MECL	No overlapping with the ongoing or completed blocks of MECL.
3	AMD	There is no ongoing exploration / reconnaissance project.
4	DGM	There is no ongoing exploration / reconnaissance project.
5	NMEDT	There is no overlapping with the NMEDT Funded projects.

- c) This project was approved in-principally in 29th TCC-II.
- d) GMMCO Technology Services Limited informed that the GSI, 2025 conducted the Critical Mineral Assessment Programme (CMAP) at 1:12,500 scale in the proposed Mudbi block, delineating four prospective zones within aluminous laterite and recommending the area for detailed investigation. Analytical results of BRS, channel, and pit samples reveal significant enrichment of Al₂O₃ (up to 41.98%), TiO₂ (up to 4%), V (1,228–2,056 ppm; average 1,587 ppm), and Sc (80–200 ppm; average 143 ppm), indicating promising potential for the occurrence of critical and strategic mineral resources within the proposed G3 block. Analytical results in the proposed G3 Block (Aluminous Laterite), generated by GSI under the CMAP, 2025, based on 11 samples, indicate V values ranging from 1,228 to 2,056 ppm with an average of 1,596 ppm, and Sc values ranging from 80 to 200 ppm with an average of 144 ppm.
- e) Considering the above, the Committee agreed to recommend the proposal for approval of PSC. A total of 150 m of drilling in 5 boreholes was agreed.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “Preliminary exploration (G3) for Aluminous laterite, Titanium, Vanadium and associated Critical minerals in Mudbiwadi block, Bidar District, Karnataka” with an estimated cost of ₹ 76.36/- lakhs (including GST) within time schedule of 10 months for carrying out the proposed work and submission of geological report as per Annexure – 6A & 6B. The item will be reviewed after 4 and 8 months.

Annexure 6A

**Cost Estimate for Preliminary Exploration (G3) for Aluminous Laterite, Titanium, Vanadium and Associated Critical Minerals in
Mudbiwadi block, Bidar District, Karnataka.
Area- 3 sq.km, Drilling: 150 m; BH: 5 BHs; Timeline:10 months, Review After 4 months and 8 months**

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2025		Estimated Cost of the Proposal		Remarks
			SoC-Item No.	Rates as per SoC (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Geological Mapping Other Geological Work & Surveying						
i	Geological mapping, (1:4000 scale)	Sq.km	1.1	18300	3	54,900	
ii	Charges for one Geologist per day in field (without labour)	per day	1.2.1a(b)	14500	120	17,40,000	
iii	Charges for Geologist per day (HQ)	per day	1.2.1a(a)	10500	30	3,15,000	
iv	Labours Charges for field work	Day	5.8	556	240	1,33,440	
v	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	34	2,66,900	
vi	Labours Charges for field work	Day	5.8	556	136	75,616	As per rates prescribed by Central Labour Commission rates or respective State Govt. whichever is higher
	Sub Total-A					25,85,856	
B	Survey Work						
i	DGPS Survey and for BH fixation & RL determination (5 BH plus 6 Boundary points)	Per Point of observation	1.3.2	24000	11	2,64,000	BH:5 and Cardinal points:6

ii	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc.	per day	1.3.1	10500	30	315000	For Topographical survey
iii	Labours Charges for sampler (4)		5.8	556	120	66,720	As per rates prescribed by Central Labour Commission rates or respective State Govt. whichever is higher
	Sub Total- B					6,45,720	
C	Pitting/Trenching						
i	Pitting	per cu. m	2.1.2	4725	50	2,36,250	
	Sub Total- C					2,36,250	
D	Drilling						
i	Drilling (In-house)	per m	2.2.1.1c	5,500	150	8,25,000	Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	5	1,50,000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole
iii	Construction of concrete Pillar (12"x12"x30")	per BH	2.2.7	2,000	5	10,000	
iv	Borehole plugging by cement	per BH	2.2.8	10,000	5	50,000	

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v	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach Road)	Lumpsum	2.2.9	-	-	2,06,250	
vi	Core preservation	per m	5.3	1590	75	1,19,250	
	Sub Total- E					13,60,500	
E	LABORATORY STUDIES						
1	Chemical Analysis						
i	Major oxides (WD XRF)- (oxides+traces -24 elements)	Per Sample	4.1.17a	4,200	220	9,24,000	BRS-20, CS-150, TS- 50
ii	External Check (10%)	Per Sample	4.1.17a	4,200	22	92,400	
iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element(U,Ta,Ge,Be,Sn,As,Rb,Th,Ga) by ICP-MS(sequential technique)	Per Sample	4.1.15	7,400	25	1,85,000	
iv	External Check (10%)	Per Sample	4.1.15	7,400	3	22,200	
2	Physical & Petrological Studies						
i	Preparation of polished thin section of rock/ wafer	Per Sample	4.3.2	800	5	4,000	
ii	Study of polished thin section	Per Sample	4.3.4	2800	5	14,000	
	Sub Total F					12,41,600	
	Total A to F					60,69,926	
F	Geological Report Preparation	Soft Copy	5.2			2,50,000	
G	Peer review Charges	As per EC decision				30,000	

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H	Preparation of Exploration Proposal	One time	5.1		2% of the Cost or Rs. 5.0 Lakhs whichever is less	1,21,399	
	Total Estimated Cost without GST					64,71,325	
	Provision for GST (18%)					11,64,838	
	Total Estimated Cost with GST					76,36,163	
	Say Rs. In Lakhs					76.36	
Note							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing Govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the 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.						

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Annexure 6B

Timeline: Preliminary exploration (G3) for Aluminous laterite, Titanium, Vanadium and associated Critical minerals in Mudbiwadi block, Bidar District, Karnataka.

S. No	Activity	Unit	Months												
			1	2	3	4	Review-1	5	6	7	8	Review-2	9	10	
1	Camp Establishment	Months													
2	Geological mapping	Months													
3	Sampling (BRS, Pitting)	Months													
4	Sampling analysis (BRS, Pitting)	Months													
5	Survey (Boundary points and Drill collars)	Months													
6	Scout Drilling	Months													
7	Core logging & sampling	Months													
8	Sampling analysis (Drill core samples)	Months													
9	Laboratory analysis (Petrography & SEM)	Months													
10	Camp winding	Months													
11	Report preparation and submission	Months													

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Agenda 32.1.10 Preliminary exploration (G3) for establishing zones of Copper and associated mineralization in Sirasghat, Tekepar, Makardhokra block, Bhandara district, Maharashtra.

ID: ME/DD/G3/MH/26-27/018

Area: 1.30 sq. km

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

- a) The proposed block of 1.3 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 550/12, in parts of Bhandara district, Maharashtra.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	GSI has carried out a G4 stage investigation in the proposed area in FS. 2023-24 titled "Reconnaissance survey for copper associated mineralization in Silli- Makardhokra- Vaghabori area, Bhandara District, Maharashtra". The received proposal is based on the outcome of this G4 stage investigation. GSI, SU: MH, Nagpur, is proposing to take up G3 item titled, 'Preliminary exploration for copper-gold-bismuth and associated mineralization in Tekepar area, Bhandara District, Maharashtra' in FS 2026-27' with area of 3.44 sq. km.
2	MECL	No overlapping with the ongoing or completed blocks of MECL.
3	DGM	At present, no ongoing exploration or reconnaissance project specifically related to Copper and Associated mineralization has been reported within the proposed block area by the Directorate
4	NMEDT	The proposed block does not overlap with explored or ongoing blocks.

- c) The project was discussed in 30th TCC-II where the committee advised the agency for modification of the proposed block boundary by excluding the area overlapping with GSI's exploration block and directed resubmission of the revised proposal indicating geological merits, scientific rational of proposal, supported by existing field data, previous exploration results and mineral occurrence evidence in the next TCC meeting.
- d) The committee observed that as advised by the 30th TCC-II committee, the proposal lacked evidence of mineralization and no surface control was observed in the proposal. Also, the background information provided by agency was inadequate/insufficient to consider for G3 exploration.
- e) Therefore, the committee advised the agency to visit field area, identify potential litho-units, collect representative samples and show evidence of mineralization along with the geometry of mineralized zones.
- f) The Committee did not agree to recommend the proposal based due to lack of evidence of mineralization, surface control and insufficient background geological information provided by the agency to consider the proposal for G3 stage of exploration.

Recommendations of TCC-II

The Committee did not recommend the proposal for approval of PSC based due to lack of evidence of mineralization, surface control and insufficient background geological information provided by the agency to consider the proposal for G3 stage of exploration.

The committee advised the agency to visit field area, identify potential litho-units, collect representative samples and show evidence of mineralisation/geometry of mineralized zones and submit a new DPR.

Agenda 32.1.11 Preliminary Exploration (G3) for Vanadium, Scandium, Gallium and associated minerals in and around Chatnalli Block, Bidar district, Karnataka

ID: ME/DD/G3/KA/26-27/103

Area: 5.88 sq. km

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

- a) The proposed block of 5.88 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 56G/5, in parts of Bidar district, Karnataka. The proposal was reviewed during 27th TCC-II meeting held on 13th and 23rd April, 2026.

- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	In the proposed block, no exploration/reconnaissance projects are ongoing. The block lies in western part of the Sindol Tanda block area where GSI in FS 2024-25 (25 sq. km) has carried out work on critical mineral assessment programme for Vanadium and associated critical minerals in lateritic rocks.
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	There is no ongoing exploration / reconnaissance project.
4	DGM	The proposed block does not overlap with explored or ongoing blocks.
5	NMEDT	As per the NGDR portal, the proposed block does not overlap with explored or ongoing blocks.

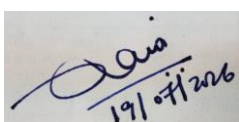
- c) The project was in-principally approved in 27th TCC-II meeting where the committee deferred (kept on hold) the proposal till the review of the results of Satoli block.
- d) Geo Marine Solutions Private Limited informed that GSI (FS 2024-25) carried out a G4-level Critical Mineral Assessment Programme (CMAP) in the Sindol Tanda block, Bidar District, Karnataka, at 1:12,500 scale to evaluate the potential of vanadium (V), scandium (Sc), and associated critical mineralization. Bedrock samples (BRS) from the block exhibit significant variation in major oxide composition, with SiO₂ ranging from 16.84–36.10%, Fe₂O₃ from 14.16–59.88%, Al₂O₃ from 12.07–26.90%, and TiO₂ from 1.16–4.25%. Trace element analyses indicate Sc values of 6–87 ppm (average 54.38 ppm), Ga of 17–52 ppm (average

34.92 ppm), V_2O_5 of 159.31–2212.44 ppm (average 1319.95 ppm), and ΣREE of 35.63–382.80 ppm (average 177.61 ppm). Pitting trench samples (PTS) show Fe_2O_3 values ranging from 28.14–33.64% (average 29.88%), with Sc, Ga, V_2O_5 , and ΣREE values ranging from 57–76 ppm (average 64.2 ppm), 29–33 ppm (average 31.2 ppm), 1467–2087.14 ppm (average 1623.53 ppm), and 135.35–194.13 ppm (average 166.32 ppm), respectively.

- e) Boreholes KBST-1 and KBST-3, drilled through lateritized Deccan Trap basalts, show comparable lithological and geochemical characteristics, indicating a continuous supergene weathering profile. Vanadium enrichment is concentrated in ferruginous duricrust and upper lateritic horizons, with KBST-1 recording surface V_2O_5 values up to 1057 ppm. Scandium enrichment is also observed in oxidized horizons, with a maximum of 79 ppm (average 42.04 ppm), while ΣREE values range from 38.35–503.69 ppm (average 104.32 ppm). The significant enrichment of V, Sc, and TiO_2 highlights the potential for Fe–Ti–V–Sc oxide mineralization in the lateritized Deccan basalt terrain.
- f) The Agency have also collected 3 samples from the proposed area which showed V_2O_5 value in the range (0.268–0.379)%.
- g) Considering the above, the Committee agreed to recommend the proposal for approval of PSC. A total of 1,140 m of drilling in 38 boreholes was agreed, comprising 12 boreholes (12 × 30 m) in the 1st phase with an 800 m grid spacing and 26 boreholes (26 × 30 m) in the 2nd phase with a 400 m grid spacing.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “Preliminary Exploration (G3) for Vanadium, Scandium, Gallium and associated minerals in Chatnalli Block, Bidar district, Karnataka” with an estimated cost of ₹ 298.22/- lakhs (including GST) within time schedule of 12 months for carrying out the proposed work and submission of geological report as per Annexure – 7A & 7B. The item will be reviewed after 3, 6 and 9 months.



Annexure 7A

Cost Estimate for Preliminary exploration (G3) for Vanadium, Scandium, Gallium and associated minerals in Chatnalli Block, Bidar district, Karnataka

Area: 5.88 sq. km, Drilling: 1140 m; BH: 38, Schedule timeline: 12 months, Reviews after 3, 6 and 9 months

Sl. No	Item of work*	Unit	Rates as per NMEDT SoC		Estimated cost of the proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Geological mapping (LSM/DM) Other geological work and surveying						
1	Geological mapping (1:4000 scale)	Per sq. km	1.1	18300	5.88	107604	
2	Charges for one Geologist per day in field (without labour)	per day	1.2.1a(b)	14,500	130	18,85,000	
3	Labours for Geologist	day	5.8	556	260	1,44,560	As per rates prescribed by Central Labour Commission rates or respective State Govt. whichever is higher
4	Charges for one Geologist per day at HQ	day	1.2.1a(a)	10,500	30	3,15,000	
5	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	160	12,56,000	
6	e. Labours (4 Nos)	day	5.8	556	640	3,55,840	
					Sub. Total-A	40,64,004	

B	Drone based survey						
1	Drone topographic survey	per sq.km	7b	70,000	5.88	411600	
	Sub. Total-B					411600	
C	Survey work						
1	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work) - use of CORS Network system for all DGPS is compulsory	Per Point of observation	1.3.2	24000	42	1008000	38BH +4 boundary points
	Sub. Total-C					1008000	
D	Drilling (In house)						
1	Drilling up to 400m	Per m	2.2.1.1.c	5500	1140	6270000	12 BHx30m in First phase (800m grid spacing); 26 BHx30m Second phase (400m grid spacing)
2	Land / crop compensation if the drilling is in agricultural land	per borehole	5.6	30,000	38	1140000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole
3	Drill core preservation	per m	5.3	1590	600	954000	Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
	Sub. Total-D					8364000	
E	LABORATORY STUDIES						

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	Chemical Analysis: First phase						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per sample	4.1.17a	4,200	150	6,30,000	
2	10% Check Sample for major oxides and LOI by XRF technique	Per sample	4.1.17a	4,200	15	63,000	
3	Primary Core Sample :Analysis of one rock/ soil sample for quantitative analysis by ICP-MS (sequential technique)	Per sample	4.1.15	7,400	300	2220000	
4	10% Check Sample Analysis of one rock/ soil sample for quantitative analysis by ICP-MS (sequential technique)	Per sample	4.1.15	7,400	30	222000	
	Chemical Analysis: Second phase						
5	Primary Core Sample :Analysis of one rock/ soil sample for quantitative analysis by ICP-MS (sequential technique)	Per sample	4.1.15	7,400	700	5180000	
6	10% Check Sample AAnalysis of one rock/ soil sample for quantitative analysis by ICP-MS (sequential technique)	Per sample	4.1.15	7,400	70	518000	
	Sub. Total-E					88,33,000	
F	Physical & Petrological Studies						
1	Preparation of thin section	per sample	4.3.1	500	10	5000	

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2	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	per sample	4.3.4	2800	10	28000	
3	Bulk Density	per sample	4.8.3	2500	10	25000	
4	XRD analysis for identification of minerals (Random)	per sample	4.5.2	4000	5	20000	
	Sub. Total-F					78000	
	Total A to F					2,27,58,604	
G	Miscellaneous charges (Transportation of Drilling Rig, Accommodation of Drill camp, Camp setting and Winding, construction of approach Road)		2.2.9	-		1254000	
	Total A to G					2,40,12,604	
H	Geological Report Preparation	soft copy	5.2	Total cost exceeding Rs. 150 lakhs		7,50,000.00	
I	Peer review Charges					30,000.00	
J	Preparation of Exploration Proposal	soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		4,80,252	
	Total Estimated Cost without GST					2,52,72,856	
	Provision for GST (18%)					45,49,114	
	Total Estimated Cost with GST					2,98,21,970	
	or Say Rs. In Lakhs					298.22	

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

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Annexure 7B

Timeline: Preliminary exploration (G3) for Vanadium, Scandium, Gallium and associated minerals in Chatnalli Block, Bidar district, Karnataka

S. No.		Months	1	2	3		4	5	6		7	8	9		10	11	12
1	Camp Setting	months				Review				Review				Review			
2	Geological Mapping /Drone Topographic Survey	months															
3	Drilling (1 rig)	months															
4	Chemical Analysis (core Sample)	months															
5	Physical & Petrological Studies	months															
6	Camp Winding	months															
7	Report Writing with Peer Review	months															

**Agenda 32.1.12 Preliminary exploration (G3) of Bauxite in Sokrahatu block,
Gumla District, Jharkhand.**

ID: ME/DD/G3/JH/26-27/054

Area: 14.00 sq. km.

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

- a) The proposed block of 14 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 73A/8, in parts of Gumla district, Jharkhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	This area has been investigated through G-4 by GSI in 1971-72 for the commodity of bauxite. Within this block of G-4, a G-3 block named as SUKRAHATU-KOENATOLI PLATEAU was explored by GSI in 1971-72 for the commodity of bauxite. Tentative probable reserve of bauxite of all grades has been estimated at 1.45 million tonnes (MT) with about 46% Al ₂ O ₃ up to a depth of 6.00 m.
2	MECL	No overlapping with the ongoing or completed blocks.
3	DGM	Earlier no reconnaissance exploration work has been carried out by the DGM. At present DGM is not conducting any exploration reconnaissance projects related to Bauxite and associated minerals in the proposed area.
4	NMEDT	No overlap with NMEDT funded blocks. The area has 80-90% percent recorded forest area.

- c) As per the GSI investigation report (F.S. 1970-71), the proposed area exhibits favorable geological characteristics and is considered prospective. The flat-topped plateaus are extensively capped by laterite, generally above the 900 m contour, and are locally referred to as "Pat." The relatively uniform thickness of the lateritic cover, along with prominent scarps marking the plateau margins, imparts a distinct geomorphological expression to the terrain.
- d) To substantiate the observations of the GSI report and obtain first-hand geological information, a field investigation was carried out by the geological team of Gems Projects Pvt. Ltd. during 9-10 April 2026. The area was found to be predominantly covered by laterite, with bauxite exposures observed at selected locations. Total 9 representative laterite and bauxite samples were collected and subjected to analysis for alumina content to assess their mineral potential. The value of Al₂O₃ ranges from 32.88% to 43.07% in these samples.
- e) The committee advised the agency to modify the area considering the RL contours above 800 m, considering only plateau area, including the area already explored by GSI in 1969-70, excluding valley parts and non-bauxitic parts of the proposed area. Further the committee advised the agency to make a borehole plan accordingly.
- f) The committee observed that the proposed area has significant part represented by non-bauxitic zones and advised the agency to modify the area. Accordingly,

the agency proposed the modified area of about 12 sq. km, but the committee did not agree to the revised proposal and asked the agency to rationalize the area further as per its suggestions and revised the proposed area accordingly.

- g) The Committee advised the Agency to revise the proposed area by considering the portion above the 800 m contour line. Area to be delineated having occurrences of bauxitic caps/lenses over contour with 800 m above msl. Indicate outcome of GSI earlier work of 1971-72. Boreholes at 400 m grid interval to be located in central part of bauxitic caps/lenses. The proposal in its present form was not accepted, and the agency was advised to submit a fresh proposal incorporating the recommendations and observations of the Committee.

Recommendations of TCC-II

The Committee did not recommend the proposal for approval of PSC as the proposed area contained significant part of the non-bauxitic zone and valley portions.

The committee advised the agency to modify the area considering the RL contours above 800 m, only plateau area, including the area already explored by GSI in 1969-70, excluding valley part and non-bauxitic part of the proposed area. Further the committee advised the agency to make a borehole plan accordingly and submit a fresh DPR.

32.2 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 32.2.1 Preliminary (G3) exploration for Glauconite and associated minerals in Pitupura block, Karauli, District, Rajasthan

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

- a) The project was recommended during the 1st Meeting of TCC-II, held on 26th & 27th September, 2024, and was subsequently approved in the 38th EC Meeting held on 29th November, 2024. The sanction order was issued on 6th January, 2025 with an approved cost of ₹195.03/- lakhs (including GST) for a scheduled duration of 18 months, up to 5th July, 2026. The project's progress was reviewed during the 11th Meeting of TCC-II, held on 23rd, 24th, 25th and 30th July, 2025. During the review, the Committee recommended a revised project cost of ₹194.86/- lakhs (including GST) against the initially approved cost of ₹195.03/- lakhs (including GST), owing to the revised quantum of XRD analyses and petrographic studies required for samples showing high K₂O values to confirm the presence of glauconite. The revised project cost was subsequently approved in the 1st PSC Meeting held on 9th October, 2025. The agency was denotified for the period 2.5.2025 to 29.10.2025.
- b) The project was again reviewed during 24th meeting of TCC-II held on 2nd and 3rd March, 2026, wherein the Committee recommended commencement of drilling in 2 boreholes, each to an average depth of 85 m, in the northeastern and southwestern parts of the block, with the remaining drilling quantum to be decided after review of the initial drilling results.
- c) During the present review, the agency informed the Committee that geological mapping covering 12.8 sq. km on a 1:5,000 scale, along with pitting/trenching and sample collection, has been completed. The agency further requested a 6-month extension of the project timeline due to delays in obtaining forest

clearance for carrying out drilling activities within the exploration block.

- d) The Committee agreed for commencement of drilling, initially in 2 boreholes, with the requirement for further drilling to be decided after review of the results. The committee also recommended 3-month timeline extension for completion of the project.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for "timeline extension up to 5th October, 2026 for completion of the project.

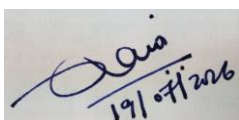
The Committee agreed for commencement of drilling, initially in 2 boreholes, with the requirement for further drilling to be decided after review of the results.

Agenda 32.2.2 Reconnaissance Survey (G4) for Limestone in and around Nanhwara Kymore area, Katni District, Madhya Pradesh

[Implementing Agency: M/s Engeotech Consultant]

- a) The project was recommended during the 3rd Meeting of TCC-II, held on 5th & 6th December, 2024, and was subsequently approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025, approving the project at a cost of ₹70.15/- lakhs (including GST) with a scheduled duration of 10 months, up to 9th December, 2025.
- b) The project was reviewed during the 9th Meeting of TCC-II, held on 29th & 30th May, 2025, wherein the Committee recommended a revised project cost of ₹103.59/- lakhs (including GST) to accommodate additional drilling of 180 m in 6 boreholes. The revised cost was subsequently approved in the 43rd EC Meeting held on 14th August, 2025. Subsequently, during the 19th Meeting of TCC-II, held on 16th & 17th December, 2025, the Committee recommended dropping Borehole PBH-3 and granting a 6-month timeline extension. Thereafter, in the 20th Meeting of TCC-II, held on 2nd and 5th January, 2026, the Committee recommended revising the project cost from ₹103.59/- lakhs (including GST) to ₹98.40/- lakhs (including GST), as Borehole PBH-3 could not be drilled due to local agitation. The Committee also recommended extension of the project timeline by 6 months, up to 8th June, 2026, for submission of the Final Geological Report, considering delays caused by local agitation and the rainy season. These recommendations were subsequently approved in the 4th PSC Meeting held on 13th January, 2026.
- c) The project was reviewed again in 29th meeting of TCC-II held on 20th and 21st May, 2026, wherein the Committee recommended timeline extension of 1 month up to 8th July 2026, for peer review and submission of the final geological report, which was subsequently approved in 9th meeting of PSC held on 3rd June, 2026.
- d) During the present review, the Agency informed the Committee that the Final Geological Report has undergone peer review and that all observations, corrections, and modifications suggested by the peer reviewer have been duly incorporated into the report.
- e) In view of the above, the Committee agreed for submission of the Final Geological Report.

Recommendations of TCC-II



The Committee agreed for submission of the Final Geological Report within stipulated timeline.

Agenda 32.2.3 Preliminary Exploration (G3) for Limestone in Ishwariya block, Gir Somnath District, Gujarat

[Implementing Agency: M/s PRB Infraprojects Private Limited]

- a) The proposed exploration block of 3.43 sq.km. area falls in Survey of India Toposheet number 41L/05, 41L/09 in parts of Gir Somnath District, Gujarat. The project was given in-principle approval in the 7th meeting of TCC-II, NMEDT, held on 24th and 25th March 2025. The project was recommended by 8th TCC-II held on 28th, 29th April & 2nd May 2025 and approved by 42nd EC held on 02nd June 2025 with schedule time for 10 months. Sanction Order was issued on 01st July 2025 with project completion date up to 30th May 2026 the approved cost of the project was ₹70.43 Lakh (including GST). Duration of review was scheduled after 4 months. Total 120 meters of drilling in 06 boreholes, with average depth of 20m was agreed. The agency was given time line extension up to 30th August 2026 in the 27th TCC-II meeting.
- b) The agency informed the committee that geological mapping covering 3.43 sq. km on a 1:4,000 scale, topographical survey, 120 m of drilling in 6 boreholes, collection of borehole samples, 38 core samples (against the approved quantum of 120 core samples), and petrographic studies have been completed. Chemical analysis of the BRS samples yielded CaO values ranging from 1.24% to 53.77%, while analysis of the core samples indicated CaO values ranging from 12.00% to 53.20%. The total estimated tonnage of the limestone deposit is 34,315,927.89 tonnes with a reduction factor of 20%.
- c) The agency requested for the assigning the peer reviewer and submission of Geological report after review.

Recommendations of TCC-II

The Committee agreed for assigning the peer reviewer for Geological Report and thereafter submission of final geological report within stipulated timeline.

Agenda 32.2.4 Preliminary Exploration (G3) for Potash mineralization in Kalu block, Bikaner District, Rajasthan

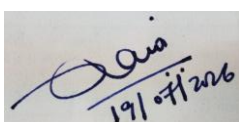
[Implementing Agency: FCI Aravali Gypsum and Minerals India Limited (FAGMIL)]

- a) The project was recommended during the 12th Meeting of TCC-II, held on 22nd, 25th, 26th & 27th August, 2025, and was subsequently approved in the 1st PSC Meeting held on 9th October, 2025. The Sanction Order was issued on 10/11/2025, approving the project at a cost of ₹416.83/- lakhs (including GST) with a scheduled duration of 10 months, up to 9/9/2026.
- b) FAGMIL informed the Committee that geological mapping covering 20.3 sq. km on a 1:12,500 scale and 1580 m of drilling in 3 boreholes (KBH-01 – 650m, KBH-02 – 650m and KBH-03 – 280m) have been completed. Chemical analysis of 75 samples had been received and analysis of another 100 samples are in progress and up to 3.3% K values had been obtained from core samples of KBH-02.

- c) The agency requested increase in the approved drilling quantum to intersect the mineralized Halite cycles present within the block.
- d) The committee based on the subsurface results of the boreholes P8 and P24 of GSI work and KBH-02 drilled by the agency and after due deliberations in order to examine/establish mineralized zones in lower most H1, H2 & H3 Hanseren evaporite cycles which were likely to be encountered between 650 m-830 m depth approved additional drilling meterage of 720 m with 180 m each to continue all four BHs up to 830 m or to the top of Jodhpur Formation whichever was earlier. Accordingly, NQT changes/revision were made and cost sheet was revised.
- e) The committee recommended an additional 720 m of drilling quantum across all 4 boreholes (@ 180 m each) up to depth of 830 m or to the top of Jodhpur Formation whichever is earlier. The committee advised that drilling must be terminated upon encountering the Jodhpur Formation. The Committee further advised the agency to consult the GSI for guidance on the drilling programme.

Recommendations of TCC-II

The committee recommended the proposal for approval of PSC for “revised cost of ₹ 567.48/- lakhs (including GST) against the approved cost of ₹416.83/- lakhs (including GST), due to increase in drilling quantum and respective changes in sampling and chemical analysis” (Annexure 8)



Annexure 8

Revised Estimate cost for Preliminary Exploration(G3) for Potash Mineralization in Kalu Block, Bikaner District, Rajasthan
Nos. of BH-4, Drilling: 3320 m; BH Depth-830 m, Completion Time - 10 Months, Review after 5 months

S.No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Estimated Cost of the Proposal for		Revised Cost sheet			Remarks
			SoC-Item -S No.	Rates as per SoC	Qty.	Total Amount (Rs)	Add Qty.	Final Qty.	Total Amount (Rs)	
A	GEOLOGICAL WORK									
1	Geological Mapping (1:12,500), Borehole logging, sampling & Report writing									
a	Charges for one Geologist per day at HQ for monitoring, data processing etc.	day	1.3	9,000	60	5,40,000		60	5,40,000	
b	Charges for one Geologist per day at field for core logging.	day	1.3	11,000	120	13,20,000	30	150	1650000	

c	Labour Charges(02 Nos) for one Geologist;	day	5.7	541	240	1,29,840	60	300	162300	
d	Charges for Sampler (1 party)	one sampler per day	1.5.2	5,100	78	3,97,800	27	105	535500	For Core Sampling
e	Labour Charges for Sampling Work;	day	5.7	541	312	1,68,792	108	420	227220	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
2	Survey									
a	Topographical Survey	day	1.6.1a	8300	30	249000		30	249000	
					Total A	28,05,432		Total A	33,64,020	
B	Drilling									
a.	Non-core drilling up to 300m	Meter	2.2.5	3932	1200	47,18,400		1,200	47,18,400	
b	Drilling up to 301-600m (Hard rock)	Meter	2.2.1.4b	12,420	1200	14904000		1,200	1,49,04,000	
c	Drilling up to 601-900m (Hard rock)	Meter	2.2.1.4c	13,225	200	2645000	720	920	1,21,67,000	180m increase in each borehole. (Total=4*180)(720m); Drilling shall be terminated

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										upon encountering the Jodhpur Formation
b	Land/Crop Compensation (in case the BH falls in agricultura land)	per borehole	5.6	20,000	4	80000		4	80,000	As per actuals
c	Construction of Concerte pillar (12"x12"x30")	per borehole	2.2.7 a	2,000	4	8000		4	8,000	
d	Transportation of Drill rig & Truck Associated per drill (1 rig)	km	2.2.8	36	700	25200		700	25,200	From Jaislamer to Kalu, Bikaner for 1 rig
e	Monthly Accommodation Charges for drilling Camp (for 1 rig)	Month	2.2.9	50,000	8	400000		8	4,00,000	
f	Drilling Setting Cost camp	Nos	2.2.9a	2,50,000	1	250000		1	2,50,000	
g	Drilling Camp Winding up cost	Nos	2.2.9b	2,50,000	1	250000		1	2,50,000	
h	Road making (Flat terrain)	km	2.2.10a	22,020	2	44040		2	44,040	As per actuals
i	Drill Core Preservation	per m	5.3	1,590	1200	1908000		1200	19,08,000	300m of core from each 4BHs
					Total B	2,52,32,640		Total B	3,47,54,640	
C	Borehole Geophysical									

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	Survey/Well logging									
a	Dual Density	m	3.11d	102	1600	1,63,200	720	2,320	2,36,640	
b	Spectral gamma	m	3.11o	164	1600	2,62,400	720	2,320	3,80,480	
c	Resistivity	m	3.11c	39	1600	62,400	720	2,320	90,480	
d	Calliper	m	3.11g	19	1600	30,400	720	2,320	44,080	
e	Neutron	m	3.11f	74	1600	1,18,400	720	2,320	1,71,680	
f	Expert charges for Geophysicist in HQ	day	3.18	9000	15	1,35,000		15	1,35,000	
g	Expert charges for Geophysicist in Field	day	3.18	11000	15	1,65,000	15	30	3,30,000	
	Total - C					9,36,800		Total - C	13,88,360	
D	LABORATORY STUDIES									
1	Chemical Analysis									
a	Primary & Check samples for Potash mineralization									
i	Primary samples for 9 radicals, i.e., K, Na, Mg, Cl, Br, I, Li, CaSO4 & Water insolubles (300	Nos	4.1.1	8,157	500	4078500	200	700	5709900	

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	samples from each 4 boreholes).									
ii	External Check sample (10 % of Primary samples) for 9 radicals i.e. K, Na, Mg, Cl, Br, I, Li, CaSO ₄ & Water insoluble	Nos	4.1.1	8,157	50	407850	20	70	570990	
2	Physical, Petrographic and Minerologic Study									
i	Polished section preparation (8*5cm) (6 from each BH)	Nos	4.3.3	1,185	20	23,700		20	23700	
ii	Mineralographic study	Nos	4.3.4	4,232	20	84,640		20	84640	
iv	XRD study (6samples from each BH)	Nos	4.5.1	4,000	20	80,000		20	80000	
vi	Bulk Density studies	Nos	4.8.1	1,568	10	15,680		10	15680	

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vii	Whole Rock Analysis (SiO ₂ , Fe ₂ O ₃ , MnO ₂ , Al ₂ O ₃ , MgO, CaO, BaO, K ₂ O, P ₂ O ₅ , TiO ₂ , V ₂ O ₅ , LOI, S, V)	Nos	4.1.15a & b	4,621	25	1,15,525	15	40	184840	
	TOTAL -D					48,05,895		TOTAL -D	66,69,750	
	Total A to D					3,37,80,767		Total A to D	4,61,76,770	
E	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	1	5,00,000			5,00,000	
F	Preparation of Geological Report	6 Hard copies with a soft copy	5.2			10,13,423			13,85,303	
G	Peer review Charges		As per EC			30,000			30,000	
H	Total Estimated Cost without GST					3,53,24,190	-	-	4,80,92,073	

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I	Provision for GST (18% of GST)	%				63,58,354			86,56,573	GST will be reimbursed as per actual and
										as per notified prescribed rate
J	Total Estimated Cost with GST					4,16,82,544			5,67,48,646	
				<i>or Say Rs. In Lakhs</i>		416.83			567.48	
Note										
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.									
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.									
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.									
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities									
5	Any item of work not mentioned above shall be added as per SoC.									
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.									
7	The recommendations are for purpose of initiating the project.									

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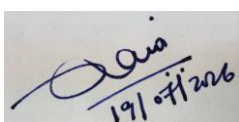
Agenda 32.2.5 Reconnaissance (G4) for Gold in Jojobera-Ulihurang Block, Arki block, Khunti District, Jharkhand.

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

- a) The project was recommended during 3rd meeting of TCC-II, NMEDT, held in 5th and 6th December, 2024 and subsequently approved in 39th EC meeting held in 24th January, 2025 at an approved cost of ₹113.32/- Lakhs (including GST) for the time schedule of 10 months up to 23rd December, 2025. The project was reviewed in 22nd meeting of TCC-II held on 4th and 5th February, 2026, the Committee sought clarification from the agency regarding the costing discrepancy and directed them to provide a detailed explanation for the apparent misrepresentation of data in the revised project costing and recommended timeline extension for 2 months up to 30th April 2026. The agency submitted the justification that the discrepancy was in the representation of number of samples. The project was reviewed again in 31st TCC-II meeting held on 16th and 17th June, 2026, wherein the Committee agreed for peer review of final Geological Report (GR) and recommended the proposal for approval of PSC for timeline extension up to 31st July, 2026 which was subsequently approved in 10th PSC meeting held on 29th June, 2026.
- b) The Committee evaluated the revised cost sheet and recommended revised project cost from ₹113.32/- lakhs (including GST) to ₹ 20.46/- lakh (including GST) due to pre-closure of the project.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “revised cost of ₹ 20.46/- lakhs (including GST) against the approved cost of ₹113.32/- lakhs (including GST), due to pre-closure of the project”. (Annexure 9)



Annexure 9

Revised Estimate cost for Reconnaissance Survey (G-4 Level) for Gold in Jojobera-Ulihurang Block, Khunti District, Jharkhand.
Area: 10.61 sq.km, Drilling :0m, BH:0, Timeline: 10 months, Review: after 4 months

S. N.	Item of Work	Unit	Rates as per SoC 2020-21		Estimated Cost of Proposal		Revised Estimate Cost		
			SoC-Item Sl. No.	Rates as per SoC	Qty.	Total Amount (Rs) (A)	Rates as per SoC	Qty.	Total Amount (Rs) (B)
A	GEOLOGICAL MAPPING, SAMPLING AND SURVEYING DAYS								
1	Geological Mapping (1:10000), & Sampling								
a	Charges for one Geologist per day at field	day	1.3	11000	120	1320000	11000	90	990000
b	Labour for Geologist (4 Nos. i.e. 2 workers/geologist) Base rate - 427	day	5.7	526	240	126240	526	180	94680
c	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5100	67	341700	5100	22	112200
d	Labours for sampling work (4 Nos) Base rate	day	5.7	526	268	140968	526	88	46288
2	Survey (on 1:10000 Scale) (Outsourcing)								

a	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and trench points by DGPS/Total station	Per Point of observation	1.6.2	19200	8	153600	19200	0	0
b	Charges of one Surveyor (1 Party)	one surveyor per day	1.6.1a	8300	0	0	8300	0	0
c	Labours (2 Nos) Base rate - Rs. 522 (Unskilled)	day	5.7	526	0	0	526	0	0
3	Trenching	cu. m	2.1.3	3330	200.00	666000	3330	0	0
	Sub-Total A					2748508			1243168
B	DRILLING (Outsourcing)								
a	Drilling -Very Hard Rock	m	2.2.1.5a	11500	400	4600000	11500	0	0
b	Borehole Deviation Survey	m	2.2.6	330	0	0	330	0	0
c	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2000	0	0	2000	0	0
d	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	0	0	36	0	0
e	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50000	0	0	50000	0	0
f	Drilling Camp Setting Cost	Nos	2.2.9a	250000	0	0	250000	0	0
g	Drilling Camp Winding up Cost	Nos	2.2.9b	250000	0	0	250000	0	0
h	Road Making (Flat Terrain)	Km	2.2.10a	22020	0	0	22020	0	0
e	Drill Core Preservation	per m	5.3	1590	40	63600	1590	0	0
	Sub Total B					4663600			0
C	LABORATORY STUDIES (Outsourcing)								
1	Chemical Analysis								

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a	5% of total bore-hole samples for trace and REE analysis under 34 element package analysis through ICP-MS for bed rock, drill core, soil and stream sediment samples	Nos	4.1.14	7731	20	154620	7731	0	0
b	Check samples Internal (5%) and External(10%) - Trace and REE analysis under 34 element package analysis by ICP-MS for bedrock, drill core, soil, and stream sediment samples	Nos	4.1.14	7731	2	15462	7731	0	0
c	Gold analysis by AAS (Atomic Absorption Spectrometry) method for bed rock, drill core, soil, trench and stream sediment samples.	Nos	4.1.6	1557	465	724005	1557	180	280260
d	Check samples Internal (5%) and External(10%) - for Gold analysis by AAS method of bed rock, drill core, soil, trench and stream sediment samples.	Nos	4.1.6	1557	47	73179	1557	0	0
2	Petrological/Mineralogical studies								
a	Preparation of thin section	Per Samples	4.3.1	2353	20	47060	2353	0	0
b	Study of Thin Section	Per Samples	4.3.4	4232	20	84640	4232	0	0
c	Preparation of polish section	Per Samples	4.3.2	1549	10	15490	1549	0	0

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d	Study of polish Section	Per Samples	4.3.4	4232	10	42320	4232	0	0
e	Digital photomicrograph of thin-poilish setions	Per Samples	4.3.7	280	20	5600	280	0	0
	Total - C					1162376			280260
D	Sub Total (A to C)					8574484			1523428
E	Geological Report Preparation		5.2	For the projects exceeding Rs. 300 Lakhs: A Minimum of Rs. 9 lakhs or 3% of the work whichever is more subject to a maximum amount of Rs. 20 lakh and Rs. 10,000/- per each additional copy		257235			150000
F	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is lower		171490			30468.56
	Tender Processing Cost		2.3			95060			0
	Operation Charges		6			475300			0
G	Peer review Charges		As per EC decision			30000			30000
H	Total Estimated Cost without GST	Approx.				9603568			1733897
I	Provision for GST (18% of H)	%				1728642			312101
J	Total Estimated Cost with GST					11332210			2045998
				<i>or Say Rs. In Lakhs</i>		113.32			20.46
Note									

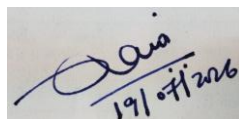
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1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency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







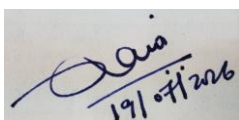
Agenda 32.2.6 Reconnaissance survey (G4) for Gold in Hurungdah-Tamar Ranchi-Arki-Khunti-Kuchai area, Saraikela-Kharsawan District, Jharkhand.

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

- a) The project was recommended during 6th meeting of TCC-II, NMEDT, held on 27th and 28th February and 6th March, 2025 and subsequently approved in 41st EC meeting held in 11th March, 2025 at an approved cost of ₹215.52/- Lakhs (including GST) for the time schedule of 10 months up to 18th January, 2026. The project was reviewed in 22nd meeting of TCC-II held on 4th and 5th February, 2026, wherein the Committee recommended revised project cost from ₹215.52/- lakhs (including GST) to ₹13.54/- lakhs (including GST) due to pre-closure of the project and timeline extension for 2 months up to 30th April 2026. The project was reviewed again in 31st TCC-II meeting held on 16th and 17th June, 2026, wherein the Committee agreed for peer review of final Geological Report (GR) and recommended the proposal for approval of PSC for timeline extension up to 31st July, 2026 which was subsequently approved in 10th PSC meeting held on 29th June, 2026.
- b) The Committee evaluated the revised cost sheet and recommended revised project cost from ₹215.52/- lakhs (including GST) to ₹ 12.48/- lakh (including GST) due to pre-closure of the project.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “revised cost of ₹ 12.48/- lakhs (including GST) against the approved cost of ₹215.52/- lakhs (including GST), due to pre-closure of the project” (Annexure 10).



Annexure 10

**Revised Estimate cost for Reconnaissance Survey (G-4) for Gold in Hurungdah-TamarRanchi-Arki-Khunti-Kuchai area,
Saraikela-Kharsawan District, Jharkhand**

Area - 16.57 sq. km, No of BH - 0, BH Depth Range - 0 m, Schedule timeline - 10 Months, Review - After 4 Months

S. N.	Item of Work	Unit	Rates as per SoC 2020-21		Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		
			SoC- Item - Sl. No.	Rates as per SoC	Qty.	Total Amount (Rs)	Rates as per SoC	Qty.	Total Amount (Rs)
A	GEOLOGICAL MAPPING, SAMPLING AND SURVEYING DAYS								
1	Geological Mapping (1:12,500), & Sampling								
a	Charges for one Geologist per day at field	day	1.3	11000	100	1100000	11000	66	726000
b	Labour for Geologist (4 Nos. i.e. 2 workers/geologist) Base rate - 526	day	5.7	526	200	105200	526	112	58912
c	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5100	180	918000	5100	4	20400
d	Labours for sampling work	day	5.7	526	720	378720	526	16	8416
2	Survey (on 1:12,500 Scale)								
a	Bore Hole Fixation and determination of co- ordinates & Reduced Level of the boreholes and trench points by DGPS/Total station	Per Point of observation	1.6.2	19200	11	211200	19200	0	0

b	Charges of one Surveyor (1 Party)	one surveyor per day	1.6.1a	8300	0	0	8300	0	0
c	Labours (2 Nos) Base rate - Rs. 522 (Unskilled)	day	5.7	522	0	0	522	0	0
3	Trenching	cu. m	2.1.3	3330	67	223110	3330	0	0
	Sub-Total A					2936230			813728
B	DRILLING (Outsourcing)								
a	Drilling - Hard Rock	m	2.2.1.5a	11500	1000	11500000	11500	0	0
b	Borehole Deviation Survey	m	2.2.6	330	0	0	330	0	0
c	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2000	0	0	2000	0	0
d	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	0	0	36	0	0
e	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50000	0	0	50000	0	0
f	Drilling Camp Setting Cost	Nos	2.2.9a	250000	0	0	250000	0	0
g	Drilling Camp Winding up Cost	Nos	2.2.9b	250000	0	0	250000	0	0
h	Road Making (Flat Terrain)	Km	2.2.10a	22020	0	0	22020	0	0
e	Drill Core Preservation	per m	5.3	1590	500	795000	1590	0	0
	Sub Total B					12295000			0
C	LABORATORY STUDIES (Outsourcing)								
i)	Chemical Analysis								
a	5% of total bore-hole samples for trace and REE analysis under 34 element	Nos	4.1.14	7731	25	193275	7731		0

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	package analysis through ICP-MS								
b	Check samples Internal (5%) and External (10%)- Trace and REE analysis under 34 element package analysis by ICP-MS for bedrock, drill core, soil, and stream sediment samples	Nos	4.1.14	7731	3	23193	7731		0
c	Gold analysis by AAS (Atomic Absorption Spectrometry) method for bed rock, drill core, soil, trench and stream sediment samples.	Nos	4.1.6	1557	240	373680	1557	30	46710
d	Check samples External (10%)- for Gold analysis by AAS method of bed rock, drill core, soil, trench and stream sediment samples.	Nos	4.1.6	1557	24	37368	1557		0
ii)	Petrological/Mineralogical studies						0		0
a	Preparation of thin section	Per Samples	4.3.1	2353	10	23530	2353		0
b	Study of Thin Section	Per Samples	4.3.4	4232	10	42320	4232		0
c	Preparation of polish section	Per Samples	4.3.2	1549	10	15490	1549		0
d	Study of polish Section	Per Samples	4.3.4	4232	10	42320	4232		0
e	Digital photomicrograph of thin-polish sections	Per Samples	4.3.7	280	10	2800	280		0
Total - C						753976			46710
D	Sub Total (A to C)					15985206			860438

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E	Geological Report Preparation		5.2	Reconnaissance Survey/ Preliminary exploration/ General exploration/ Detailed exploration exceeding ₹150 lakh but less than 300 lakh: A Minimum of ₹7.5 lakh or 3% of the work whichever is more		750000			150000
F	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is lower		319704			17209
G	Peer review Charges		As per EC decision			30000			30000
H	Operational Charge		6(iii)			950000			0
I	Tendering Cost		2.3	2% of the Cost or Rs. 5 Lakhs whichever is lower		230000			0

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J	Total Estimated Cost without GST	Approx.				18264910			1057647
K	Provision for GST (18% of H)	%				3287684			190376
L	Total Estimated Cost with GST					21552594			1248023
				or Say Rs. In Lakhs	215.52				12.48
Not e									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.								
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.								
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities								
5	Any item of work not mentioned above shall be added as per SoC.								
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.								
7	The recommendations are for purpose of initiating the project. The final costing will be done after the revised SoC of NMET is issued								

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Agenda 32.2.7 Preliminary Exploration (G3) for Tungsten and Tin Ore in Murara-Devendrapura block, District Niwari, Madhya Pradesh.

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

- a) MECL informed the Committee that the project was approved during the 36th EC Meeting held on 29th July, 2024. The sanction order was issued on 29th August, 2024 with an approved cost of ₹3,08,80,588 (inclusive of GST) and a scheduled project duration of 12 months, ending on 28th August, 2025. The project was subsequently reviewed during the 6th TCC-II Meeting held on 27th and 28th February and 6th March, 2025. During the review of the project in 25th TCC-II meeting held on 17th and 18th March, 2026, MECL informed that complete analytical results are still awaited. The last timeline extension was accorded by PSC-5 up to 31.3.2026.
- b) MECL further informed the Committee that a total of 1,220.50 m of drilling across 11 boreholes has been completed in the block, along with geological mapping, sampling, and UV scanning. Also, the final geological report has undergone peer review and that all observations, corrections, and modifications suggested by the peer reviewer have been duly incorporated into the report. The agency requested timeline extension of 4 months up to 31st July, 2026 for submission of Final Geological Report.
- c) In view of the above, the committee agreed for submission of Final Geological Report and recommended a timeline extension of 4 months up to 31st July, 2026.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 31st July, 2026 for submission of Final Geological Report”.

Agenda 32.2.8 Reconnaissance Survey (G4) for REE and associated Minerals in Pipargaon area West Karbi Anglong District, Assam.

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

- a) The project was recommended during the 8th TCC-II Meeting held on 28th and 29th April and 2nd May, 2025, and was subsequently approved in the 42nd EC Meeting held on 2nd June, 2025. The project was sanctioned at a cost of ₹517.96/- lakhs (inclusive of GST) with a scheduled duration of 11 months. The Sanction Order was issued on 20th June, 2025, with the scheduled date of project completion being 19th May, 2026.
- b) During the review of the project in 29th TCC-II meeting held on 20th and 21st May, 2026 the Committee recommended timeline extension of 3 months, up to 18th August, 2026, for completion of the project and submission of the Final Geological Report, which was subsequently approved in 9th meeting of PSC held on 3rd June 2026.
- c) MECL informed that total 50 BRS were collected, out of which 16 nos. of samples range from 500 to 1000 ppm of Σ REE+Y and one sample is >1000 ppm of Σ REE+Y. Total 13 samples showing Tungsten value >200 ppm (max. 618.09 ppm) and these samples show <500 ppm Σ REE+Y. Also, 15 soil samples from 5 pits were collected,

out of which 7 nos. of samples ranges from 500 to 1000 ppm of $\Sigma\text{REE}+\text{Y}$ and 4 sample have >1000 ppm of $\Sigma\text{REE}+\text{Y}$. Total 4 samples showing Tungsten value >200 ppm (max. 396.33 ppm) and these samples show <500 ppm $\Sigma\text{REE}+\text{Y}$. the Agency also briefed about the anomalous W values (>200 ppm) in the western parts of the block.

- d) The committee observed that the REE values were not encouraging. The committee after due deliberations suggested two locales of significant Tungsten (W) values each having area of 2x2 sq. km for additional sampling at 500 m x 500 m grid, around 25-30 samples.
- e) The Committee advised the agency to delineate two prospective zones, each measuring 2 km x 2 km, based on the anomalous tungsten (W) values obtained from BRS and pit samples in the north part of the block and to undertake systematic bed rock samples (BRS) sampling for tungsten within these demarcated areas.

Recommendations of TCC-II

The Committee advised the agency to delineate two prospective zones, each measuring 2 km x 2 km, based on the anomalous tungsten (W) values obtained from BRS and pit samples, and to undertake systematic BRS samples at 500 m x 500 m grid for tungsten within these demarcated areas.

Agenda 32.2.9 Preliminary Exploration (G3) for REE and associated Minerals in Umprikhola Block, Kamrup District, Assam.

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

- a) The project was recommended during the 3rd TCC-II Meeting held on 5th and 6th December, 2024 and was subsequently approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 24th February, 2025 with an approved cost of ₹882.01/- lakhs (inclusive of GST) and a scheduled project duration of 15 months, up to 23rd May, 2026.
- b) The project was reviewed during 25th meeting of TCC-II held on 17th and 18th March, 2026, wherein the Committee recommended revised cost ₹89.15/- Lakhs (including GST) against the approved cost of ₹882.01/- Lakhs (including GST) due to pre-closure of the project and timeline extension of 2 months up to 23rd July 2026 for GR submission which was subsequently approved in 7th PSC meeting held on 27th March, 2026.
- c) During the present review MECL informed that the final geological report had been peer reviewed and that all observations, corrections, and modifications suggested by the peer reviewer had been duly incorporated into the report.
- d) The Committee agreed for submission of the final geological report.

Recommendations of TCC-II

The Committee agreed for submission of the final geological report within stipulated timeline.

Agenda 32.2.10 Preliminary Exploration (G3) for REE and Copper in Hirnoda block, Jaipur, Rajasthan.

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

- a) The project was recommended during the 5th TCC-II Meeting held on 27th, 28th & 29th January, 2025 and was subsequently approved in the 40th EC Meeting held on 21st February, 2025. The Sanction Order was issued on 5th March, 2025 with an approved cost of ₹4,39,35,703/- (inclusive of GST) and a scheduled project duration of 12 months, up to 4th March, 2026. The committee approved 3 BHs each with depth of 400 m.
- b) The project was reviewed during 25th meeting of TCC-II held on 17th and 18th March, 2026, wherein the Committee recommended timeline extension of 6 months up to 4th September, 2026 which was subsequently approved in 7th PSC meeting held on 27th March, 2026.
- c) The agency informed the committee that this block falls in the Block B (628.50sq km), of the RP project of HZL. The agency referenced one drilled borehole BH No.- DD10SJ004 where the Cu zone was encountered Cu zone at vertical depths of 160m, 177 m, 216 m and 231 m with zone widths of 3m, 3m, 1.65 m and 1.65 m respectively with Cu (%) of 0.46 %, 0.28%, 0.36% and 0.64 %. It was mainly associated with Amphibolite.
- d) During the present review MECL informed that geological mapping of 8.76 sq. km area, topographical survey and geophysical survey have been completed in the block. Out of 10 BRS/dugwell dump, borehole chip samples, total 6 samples shown Σ REE+Y+Sc values range from 308.22 ppm to 500.14 ppm. The agency requested commencement of drilling in the block. The agency showed the geophysical results in the form of gravity and magnetic derivative maps. The Euler solutions for SI=1 of the magnetic data indicated the depth of the probable shear zone up to 200 m in the southern part of the area in the NE-SW direction. The agency informed that majority of the area was soil covered and the agency had created predictive geological map. The agency also showed the IP and Resistivity depth section maps based on integrated results, proposed two boreholes along the inferred shear zone in the southern side of the area.
- e) The agency in its justification for delay of Phase-I activities informed the committee that the work was delayed due to standing crop issue in the block and further the monsoon season may affect the mobilization and execution of drilling operation and requested the timeline extension up to 4th March 2027.
- f) The committee after deliberations suggest the agency to carry out two drilled boreholes focusing the NE-SW inferred shear zone taking into consideration the geophysical results and supportive referenced drilled borehole results of HZL and advised the agency to present the results of first borehole for review before proceeding further.

- g) The committee approved the commencement of drilling in 2 boreholes and directed the agency to present the results of the first borehole for review before proceeding further. The Committee recommended timeline extension of 3 months up to 4th December, 2026.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 4th December, 2026” for further continuation of geological work.

Agenda 32.2.11 Preliminary Exploration (G3) for Graphite in Dahita block, District Bargarh, Odisha.

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

- a) The project was recommended during the 78th TCC-I meeting held on 26th, 27th, and 30th June, 2025, and subsequently approved in the 43rd EC Meeting held on 14th August, 2025. The sanction order was issued on 8th September, 2025, with a scheduled project duration of 12 months, up to 7th September, 2026, at an approved cost of ₹203.14/- lakhs (including GST).
- b) The project was reviewed in 28th TCC-II meeting held on 7th and 8th May, 2026, wherein the Committee agreed for 200m of total drilling in 3 scout boreholes (BHs) with average depth of 60m for each BH.
- c) During the present review MECL informed that first phase of work has been completed including geological mapping, geophysical survey and collection of 20 nos. of Bed Rock Sample (BRS). A total 8 possible areas for Graphite & Manganese mineralization have been identified through geophysical SP survey and 3 potential zones of Graphite mineralization has been observed during geological field work. The agency proposed drilling in 4 boreholes including 1 borehole for manganese ore body. The agency further requested for reduction in trenching quantum, no. of samples for proximate analysis and increase in number of samples for WD-XRF analysis for manganese analysis.
- d) The committee agreed for the commencement of drilling in 3 boreholes including 1 for manganese (PBH-4) and 2 boreholes for graphite (PBH-1,3) and agreed for change in the approved quantum of requested components for graphite and manganese analysis. The committee dropped the proposed borehole PBH-2. Cost sheet for the project was revised due to changes in quantum of sampling and chemical analysis.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “revised cost of ₹191.64/- lakhs (including GST) against the approved cost of ₹ 203.14/- lakhs (including GST), due to changes in quantum of sampling and chemical analysis”. (Annexure 11)

Annexure 11

Revised Estimate cost for Preliminary Exploration (G-3) for Graphite in Dahita Block, District: Bargarh, Odisha. [Block area- 5.40 sq. km; Nos. of Borehole- 11; Borehole depth range: 60m; Schedule timeline- 12 months, Review after: 4 & 8 months] Phase-I: Geological and Geophysical Mapping with contouring and Trenching, Phase-II: Drilling									
S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Revised Estimate Cost of the Proposal		Remarks
			SoC-Item Sl. No.	Rates as per SoC					
					Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK								
1	Geological Mapping (1:2,000)								
i	Charges for one Geologist- Field	day	1.2	11,000	150	16,50,000	150	16,50,000	
ii	Charges for one Geologist - 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	541	300	1,62,300	300	1,62,300	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Core Sampling - 1 Samplers Labour charge not included	day	1.5.2	5,100	54	2,75,400	39	1,98,900	
v	4 labours/ party (As per rates of	day	5.7	541	216	1,16,856	156	84,396	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or

	Central Labour Commissioner)								respective State Govt. whichever is higher
2	Survey								
i	Topographical Survey	day	1.6.1a	8300	40	332000	40	3,32,000	Topographical Survey on 1:2000 (2 m contour interval)
ii	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	541	160	86,560	160	86,560	
iii	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	20	3,84,000	20	3,84,000	11 Boreholes and 9 block boundary points
	Sub Total- A					32,77,116		31,68,156	
B	GEOPHYSICAL SURVEY								
i	Self Potential	Line Km	3.3a	29600	30	8,88,000	30	8,88,000	Geophysical Survey at 100 m traverse interval i.e. 30 Line Km.
iii	Charges for one Geophysicist - HQ	day	3.18	9000		-			To be checked by finance dept Provision
	Sub Total- B					8,88,000		8,88,000	
C	TRENCHING								

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i	Trenching (1m x 2m x 15m): 10 trenches	Cu. M.	2.1.1	3330	300	9,99,000	110	3,66,300	
	Sub Total- C					9,99,000		3,66,300	
D	DRILLING								
i	Drilling upto 300m (Hard Rock) (1 rig)	m	2.2.1.4a	11,500	700	80,50,000	700	80,50,000	
ii	Land / Crop Compensation	per BH	5.6	20,000	11	2,20,000	11	2,20,000	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	11	22,000	11	22,000	
iv	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	1,000	36,000	1,000	36,000	Certification in this regard is required to be provided
v	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	3	1,50,000	3	1,50,000	
vi	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	2,50,000	
vii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	1	2,50,000	

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viii	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	5	1,10,100	5	1,10,100	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	225	3,57,750	225	3,57,750	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
	Sub Total- D					94,45,850		94,45,850	
E	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples for Graphite								
	Primary Samples for Proximate Analysis of Graphite: Fixed Carbon (FC), Ash (A), Moisture (M) and Volatile Matter (VM)	Nos	4.1.16	3,000	340	10,20,000	135	4,05,000	Bedrock: 25, Trench: 10, BH:100

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	b-External (10%) Check samples from NABL Lab for Proximate Analysis of Graphite: Fixed Carbon (FC), Ash (A), Moisture (M) and Volatile Matter (VM)	Nos	4.1.16	3,000	34	1,02,000	14	42000	
	WD-XRF analysis for major oxides and vanadium	Nos	4.1.15a	4,200	50	2,10,000	150	6,30,000	Borehole: 50 (Only for Vanadium); Additional BRS-20, Trench-30, BH-50
	WD-XRF External (10%) Check samples from NABL Lab for XRF analysis of vanadium	Nos	4.1.15a	4,200	5	21,000	15	63,000	Borehole: 5 (Only for Vanadium)
2	Physical & Petrological 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	

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iii	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	10	15,490	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	10	42,320	
v	Digital Photographs	Nos	4.3.7	280	10	2,800	10	2,800	
vi	Bulk Density studies	Nos	4.8.3	1,605	2	3,210	2	3,210	
vii	Raman Spectroscopy	Hrs		3,345	6	20,072	6	20,072	Price not available in SoC, NMET. This rate is based on the last analysis rate carried out at GSI Lab. However, escalation will be considered during execution. Will be reimbursed as per actual cost through outsourcing.
Sub Total- E						15,02,742		12,89,742	
D	Total A to E					1,61,12,708		1,51,58,048	
E	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 150 lakhs and less than Rs. 300 lakhs - A minimum		7,50,000		7,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.

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				of Rs. 7.5 lakhs or 3% of the value of work whichever is more					
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 whichever is lower		3,22,254		3,03,161	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
H	Total Estimated Cost without GST					1,72,14,962		1,62,41,209	
I	Provision for GST (18% of I)					30,98,693		29,23,418	GST will be reimbursed as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST					2,03,13,655		1,91,64,626	or Say Rs. 191.64 Lakh
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.								

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

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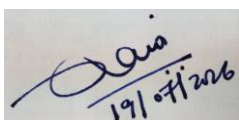
Agenda 32.2.12 Preliminary exploration (G3) for Magnetite and associated minerals in Pipradih area, District: Giridih, State: Jharkhand.

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

- a) The project was recommended during the 52nd TCC meeting held on 27th and 28th April, 2023 and was subsequently approved in the 38th EC Meeting held on 29th November 2024. The sanction order was issued on 13th December, 2024 with a project duration of 8 months, up to 12th August, 2025, at an approved cost of ₹147.25/- lakhs (including GST). The project's progress was reviewed during the 12th TCC-II meeting held on 22nd, 25th, 26th, and 27th August, 2025. Based on the Agency's request, the Committee recommended a timeline extension of 4.5 months, up to 31st December, 2025, which was subsequently approved in the 1st Project Sanctioning Committee (PSC) meeting held on 9th October, 2025. The project was reviewed again during the 19th TCC-II meeting held on 16th and 17th December, 2025. The Committee recommended a further timeline extension of 3 months, up to 31st March 2026, for approval by the PSC. It also recommended the engagement of one additional labourer per party day and provision for five mineragraphic study samples, involving an additional expenditure of ₹80,440, thereby revising the project cost to ₹148.27 lakh (including GST). These recommendations were approved during the 4th PSC meeting held on 13th January 2026.
- b) During the project review in 25th TCC-II meeting held on 17th and 18th March, 2026 the Committee recommended timeline extension of 4 months up to 31st July, 2026 for submission of the GR which was approved in 7th PSC meeting held on 27th March, 2026.
- c) In the present meeting CMPDI informed that only borehole SPPM-3 encountered economically significant magnetite ore zones, however, elevated concentrations of Cu, Pb, Zn were detected in several borehole core samples. Apart from these, elevated concentrations of Co, Mo, W & Bi were also observed. Co up to 153ppm, Mo up to 411 ppm, W up to 356 ppm & Bi up to 5917ppm were recorded. The agency informed the committee they have achieved the drilling of 243 m against the approved quantum of 400m. The agency informed the committee that it will revise the final cost at the time of GR submission. It requested peer review of the final geological report and timeline extension of one month up to 31st August 2026.
- d) The Committee agreed for Peer Review of the final geological report and suggested the agency to estimate resources of W, Co & magnetite separately after confirming threshold values, correlate mineralised zones among drilled BHs.

Recommendations of TCC-II

The committee recommended the proposal for approval of PSC for "timeline extension up to 31st August, 2026" for Peer Review of the geological report and final GR submission.



Additional Agenda

32.2 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 32.2.13 Preliminary Exploration (G3) for limestone in Vadekhan Block, Rajkot district, Gujarat.

[Implementing Agency: M/s PRB Infraprojects Private Limited]

- a) The project received in-principle approval during the 8th TCC-II meeting held on 28th, 29th April, and 2nd May, 2025. Subsequently, the project was recommended during the 9th TCC-II meeting held on 29th and 30th May, 2025 and approved in the 43rd EC meeting held on 14th August, 2025, with a scheduled project duration of 10 months. The sanction order was issued on 4th September, 2025, fixing the project completion date as 3rd July, 2026, with an approved cost of ₹68,61,237/- (including applicable taxes).
- b) The agency informed the committee that Peer review comments and recommendations have been received and are being incorporated into the report. The report is currently undergoing technical revision, verification, and updating of text, figures, tables, maps, and annexures to address the observations raised during peer review. Simultaneously, the report is being prepared for uploading on the NGDR portal, including compilation and validation of all required digital datasets and documents. In view of these point the agency requested for one month timeline extension up to 3rd August 2026.
- c) In view of the above the Committee recommended 1 month time extension up to 3rd August, 2026 for submission of final geological report.

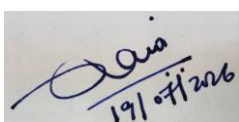
Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “1 month time extension up to 3rd August, 2026 for submission of final geological report”.

Agenda 32.2.14 Preliminary Exploration (G3) for Copper, Molybdenum, Tungsten and associated Minerals in Hanspur Block, Jhansi District, Uttar Pradesh.

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

- a) The project was recommended during the 3rd TCC-II meeting held on 5th and 6th, December 2024 and was subsequently approved in the 39th EC Meeting held on 24th January 2025. The sanction order was issued on 20th February, 2025, with a scheduled project duration of 10 months, up to 19th December, 2025, at an approved cost of ₹ 161.97/- lakhs (including GST). The last timeline extension was given in PSC-5 up to 30.6.2026.
- b) The project was reviewed during 21st TCC-II meeting held on 19th and 22nd January, 2026 wherein the Committee agreed for commencement of drilling in 3 boreholes. The agency informed the committee all the proposed borehole locations were situated within Reserved Forest land, requiring prior statutory approval under the applicable forest regulations before commencement of drilling operations.



- c) The requisite forest clearance was received only on 19.06.2026. Owing to the non-availability of statutory clearance, drilling activities could not be commenced within the approved schedule. Subsequent to receipt of the forest clearance, rig mobilization has been completed and drilling operations are being initiated. The agency requested for the timeline extension of six months up to 31st December 2026 for drilling activity, laboratory analysis, preparation and submission of final GR Report.
- d) The committee recommended timeline extension up to 31st December, 2026 for completion of project work and submission of final geological report.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 31st December, 2026 for completion of remaining project work (drilling activity, laboratory analysis) and submission of final geological report”.

32.3 Technical Evaluation for In-Principle Approval

Agenda 32.3.1 Preliminary exploration (G3) for Aluminous Laterite, Titanium, Vanadium and associated minerals in Hasali block, Sangareddy District, Telangana

ID: ME/IN/G3/TG/P/26-27/080

Area: 3.8 sq. km.

[Implementing Agency: M/s GMMCO Technology Services Limited]

- a) The proposed block of 3.8 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 56G/9, in parts of Sangareddy District, Telangana.
- b) The table containing the comments is given below:

S.No.	Agency	Comment
1	GSI	The Hasali Block (G3-stage) proposed by the M/s. GMMCO TECHNOLOGY SERVICES LTD (GTS) falls in the area of Naimatabad block (G4 stage) carried out by SU: Telangana, GSI in FS 2024-25 and shows encouraging values for associated critical minerals like Vanadium and titanium in the aluminous laterite. The Al ₂ O ₃ values recorded during G4 investigation carried out by SU: Telangana vary between 10.99% and 45.51%, vanadium between 106 ppm to 2363 ppm, and TiO ₂ between 0.87% and 5.89%. Therefore, it is feasible to take up further exploration in the proposed Hasali block by the M/s. GMMCO TECHNOLOGY SERVICES LTD (GTS).
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.

4	DGM	As per available information, during 2024 Majji et. al carried-out reconnaissance for aluminous laterite in the Naimatabad area. Yes, systematic G-3 stage investigation is justified to establish the reserve/resource in accordance with UNFC classification. At present there are no existing mining/quarry leases in the proposed area.
5	NMEDT	There is no overlapping with the NMEDT Funded projects.

- c) The agency informed that during G4 stage Large Scale Mapping (1:12,500 scale) in the Naimatabad block, four potential zones were delineated and recommended for detailed investigation by GSI. GSI analysed 160 laterite samples from the block, which revealed Al_2O_3 values ranging from 10.99% to 45.51% (avg. 24.25%), TiO_2 from 0.87% to 5.89% (avg. 2.34%), and Fe_2O_3 from 7.86% to 53.30% (avg. 24.59%). Trace element concentrations show significant enrichment, with V ranging from 106 to 2363 ppm (avg. 589.53 ppm), Sc from 7 to 138 ppm (avg. 50.56 ppm) and Ga from 16 to 49 ppm (avg. 33.91 ppm). The proposed G3 stage exploration in the Hasali Block, Sangareddy district aims to systematically evaluate the aluminous laterite horizons identified during G4 stage investigations by the GSI.
- d) Based on the above-mentioned encouraging values of Al_2O_3 , TiO_2 , Fe_2O_3 , V, Sc, Ga committee accorded in-principle approval to the proposal.

Recommendations of TCC-II

The committee accorded in-principle approval to the project and advised the agency to submit the DPR within two (02) months.

Agenda 32.3.2 Preliminary exploration (G3) for aluminous laterite, titanium, vanadium and associated minerals in Baswapur block, Vikarabad district, Telangana.

ID: ME/IN/G3/TG/P/26-27/019.

Area: 5 sq. km.

[Implementing Agency: M/s GMMCO Technology Services Limited]

- a) The proposed block of 5 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 56G/11, in parts of Vikarabad District, Telangana.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The G3 proposal (Baswapur block) submitted by M/s. GMMCO TECHNOLOGY SERVICES LTD (GTS) NPEA overlaps with the Geological Memorandum (Baswapur block) prepared and handed over to the MOM on 14.01.2026 by SU: Telangana, GSI. The overlapped area is around 2.998 Sq.km (60%) out of the total proposed area of 5 Sq.km. Considering the overlapping of the proposed area by the M/s. GMMCO Technology services LTD

		(GTS), with the handed over GM of Baswapur Block, the proposal submitted is not feasible to take up as G3 exploration is the proposed block.
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	GMMCO Baswapur Block is overlapping with GSI Proposed Baswapur Block
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c) In 30th TCC-II meeting the committee deferred consideration of the proposal until the status of the GM block regarding its auction is decided.
- d) During the meeting GSI in its correspondence through email dated 19th June 2026 informed that as per the information received from the office of NMH-II, GSI, Central Region, Baswapur GM block was handed over to the Ministry of Mines on 14.01.2026 and it is under consideration for auction.

Recommendations of TCC-II

The Committee did not approve the proposal in principle as there is an overlap of the proposed block with a GM block and it is under consideration for auction.

Agenda 32.3.3 Reconnaissance survey for Tungsten and associated minerals in Waigaon area, Chandrapur District, Maharashtra

ID: ME/IN/G4/MH/P/26-27/103

Area: 67.54 sq. km

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

- a) The proposed area of 67.54 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet no. 55P/3, in parts of Chandrapur District, Maharashtra.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	No mineral exploration programme is under execution in FS. 2026-27 by GSI in the proposed area. The proposed block comes under the working area of the RMT block, which is under execution by NPEA-Mining Tech Consultancy Services Ltd. GSI has carried out a G4 stage investigation in a block south of the proposed block in FS. 2018-19 titled "Reconnaissance survey for Tungsten and associated mineralisation in Chandankheda-Parodhi area, Chandrapur District, Maharashtra"
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Not available

5	NMEDT	Proposed block is overlapping with the WLS, National Park, ESZ & Tiger reserve.
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- c) The Committee did not approve the proposal in principle as there is an overlap of the proposed block with RMT block of M/s MTCS (Mining Tech Consultancy Services Ltd).

Recommendations of TCC-II

The Committee did not approve the proposal in principle due to overlap with ongoing RMT block by M/s MTCS.

Agenda 32.3.4 Reconnaissance survey of Carbonatite Hosted REE and RM in Mathwad area, District, Alirajpur, Madhya Pradesh

ID: ME/IN/G4/MP/P/26-27/107

Area: 115 sq. km

[Implementing Agency: M/s MMPL Private Limited]

- a) The proposed area of 115 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet nos. 46J/04, 46J/08, 46K/01, 46K/05, in parts of Alirajpur, Madhya Pradesh.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	Reconnaissance for fluorite mineralisation in the southern parts of Jhabua district, Madhya Pradesh (FS:1975-76). No mineral exploration programme is under execution in FS. 2026-27 by GSI in the proposed area.
2	AMD	Not available
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Not Available
5	NMEDT	There is no NMEDT funded block present in the vicinity of the proposed block.

- c) The Committee opined that comments of AMD were needed for this proposal containing carbonatite hosted REE and RM.

Recommendations of TCC-II

The Committee deferred the proposal to the next TCC meeting due to unavailability of AMD comments.

Agenda 32.3.5 Reconnaissance Survey (G4) for REE and associated minerals in Vanthadupula area in Mahabubabad and Khammam districts, Telangana.

ID: ME/IN/G4/TG/P/26-27/099

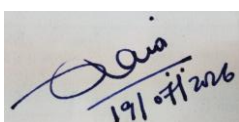
Area: 183.94 sq. km

[Implementing Agency: M/s Critical Mineral Trackers]

- a) The proposed area of 183.94 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet no. 560/15, in parts of Mahabubabad and Khammam Districts, Telangana.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The Vanthadupula Block (G4-stage) proposed by the M/s. Critical Minerals Trackers (CMT) lies in the east of Kumarikuntla block (G4 stage) carried out by SU: Telangana, GSI in FS 2024-25 and has overlap area of 4.43 Sq.km out of the total proposed area of 183.94 Sq.km for Vanthadupula Block. The NGCM data of Stream sediments in this given Toposheet No. 560/15, having the proposed block of NPEA by M/s. Critical Minerals Trackers (CMT) show values for REE ranging from 121 ppm to 1159.85ppm indicating secondary enrichment. However, zones of primary enrichment needs to be delineated through reconnaissance mapping. Therefore, reconnaissance project in the proposed Vanthadupula block can be taken up by M/s. Critical Minerals Trackers (CMT) for REE-RM mineral exploration and suggested to exclude the overlapped area which has already been mapped by GSI SU: Telangana.
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	As per this office re s no Reconnaissance/ Exploration work carried out by the Department. One quarry lease for Building Stone & Road Metal is falling within the Proposed area and details are enclosed for kind perusal.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c) The Vanthadupula Block forms a part of Eastern Dharwar Craton and is predominantly occupied by a variety of granites of PGC-II ranging in composition from Granite-Granodiorite -Alkali felspar granite. The regional geological setup includes the migmatite gneisses and the variants of granites. The granitic variants comprise grey biotite granite, Pink porphyroblastic granite, alkali felspar granite and leuco granite intruded by gabbro/dolerites, pegmatites and quartz veins/reefs.
- d) The agency informed that the NGCM data of Stream sediments in this block have significant values for REE from 723 to 1074ppm and associated elements such as Zirconium, Hafnium and other elements. Values of Zirconium (Zr) 956 to 1196ppm, Hafnium (Hf) 34.79 to 45.149ppm, Rubidium (Rb) 54.544 to



75.579ppm and Strontium (Sr) 214 to 286ppm. Based on these anomalous values, bed rock samples from the block area were collected and analysed. These samples analysed TREE- maximum 3080ppm. Zirconium (Zr) 77.7 to 2241ppm, Hafnium (Hf) 2.3 to 6.0ppm, Rubidium (Rb) 336.9 to 110.3ppm and Strontium (Sr) 704.6 to 989ppm. The results of the BRS samples (10) showed values in the range (272-3066) ppm, avg. 1111 ppm for Σ TREE and avg. 1207 ppm for Σ TREE + Sc + Y.

- e) The committee observed that the CMT had previously explored a geologically similar conceptualized area in Nellikulor, which did not yield encouraging results. The present proposal is based on a similar geological setting and is located in the vicinity of Nellikulor. The mineral occurrences indicate mostly REE values less than 1000 ppm in granite gneisses. The committee opined that the values of above-mentioned elements are not encouraging for the current geological setting.

Recommendations of TCC-II

The Committee did not approve the proposal in principle as the elemental values mentioned from the proposed area are not encouraging for the current geological setting.

Agenda 32.3.6 Reconnaissance survey (G4) for Graphite and Associated mineralization in carbonaceous phyllite around Palna- Khunti area Saraikela-Kharsawan District, Jharkhand

ID: ME/IN/G4/JH/P/26-27/097

Area: 60 sq. km

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

- a) The proposed area of 60 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet no. 73F/13, in parts of Saraikela-Kharsawan District, Jharkhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	During FS 2016-17, GSI has carried out large scale mapping in Ghagri-Asangibera-Dubrajpur-Jugru areas for Gold and associated minerals. Graphite in Carbonaceous phyllite was confirmed as outcome of the project. During FS 2019-20, GSI has carried out large scale mapping in Largadih-Bachhakocha area for graphite within Carbonaceous phyllite which lies in the western part of 73J/01 covering of 100 sq. km area. GSI, Ranchi has proposed a G4 stage mineral investigation item for FS 2027-28 in the gap areas between Ghagri-Asangibera-Dubrajpur-Jugru areas and Largadih-Bachhakocha area for Graphite as a commodity within carbonaceous phyllite which is under IPR. The proposed NMET block is falling in the same area. Hence it may not be given for NPEA.
2	AMD	There is no ongoing exploration / reconnaissance project.

3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Not available
5	NMEDT	Proposed block is slightly overlapping with NMEDT funded "Preliminary Exploration (G-3) for Graphite and associated Minerals, Mahadevbera block, Seraikela- Kharsawan District, Jharkhand of NRD-TATA. Proposed Block overlaps with GSI 2023-24 (RMT) block. Proposed Block partially overlaps with GSI 2026-27 in the eastern side of block for M-I MT Survey and in the western boundary ongoing GSI G3 block for Graphite and Vanadium is present.

- c) The Committee did not approve the proposal in principle as there is an overlap of the proposed area with a GSI's exploration area.

Recommendations of TCC-II

The Committee did not approve the proposal in principle as there was an overlap of the proposed area with a GSI's exploration area.

Agenda 32.3.7 Reconnaissance Survey (G4) for Graphite in Kutmu-Namudag area, Palamu District, Jharkhand

ID: ME/IN/G4/JH/P/26-27/110

Area: 36.65 sq. km

[Implementing Agency: M/s BMRC Geomining Solutions Private Limited]

- a) The proposed area of 36.65 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet no. 73A/05, in parts of Palamu District, Jharkhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The Geological Survey of India (GSI) completed G4 to G2 stage exploration for graphite and vanadium in this area during Field Seasons 2021-22 and 2022-23. Based on the positive outcomes of the initial G4 assessment, the block was upgraded to G3/G2 exploration stages. Area Overlap: Over 50% of the newly proposed area overlaps with the previously explored G4 blocks. Overlap with Ejamar G4 block proposed by M/s MMPL Pvt. Ltd..
2	AMD	AMD has carried out reconnaissance exploration (G-4 stage) in and around the proposed block for uranium. Evidence of uranium mineralisation has been established in the area. Grab samples analysed up to 0.66% U3O8 from the area. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the said commodities mentioned. In view of known potentiality for uranium in the

		area, analysis of uranium may also be included in the list of elements to be analysed.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Not available
5	NMEDT	No NMEDT funded blocks present in and around the area.

- c) The Committee did not approve the proposal in principle as there is an overlap of the proposed area with already proposed block by M/s MMPL Pvt. Ltd.

Recommendations of TCC-II

The Committee did not approve the proposal in principle as there is an overlap of the proposed area with already proposed block by M/s MMPL Pvt. Ltd.

Agenda 32.3.8 Preliminary Exploration (G3) of Barium, Vanadium, Graphite and associated mineralization in Chantola block, Tehsil- Pati, District -Champawat, Uttarakhand

ID: ME/IN/G3/UK/P/26-27/102

Area: 2.25 sq. km

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

- a) The proposed block of 2.25 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 530/15, in parts of Champawat District, Uttarakhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	No exploration project is presently under execution within the proposed block. However, a G3-stage exploration project has been taken up in the southeastern part of the proposed block for FS-2026-27; the area of this project does not overlap with the proposed investigation area
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Not available
5	NMEDT	The proposed G3 block shows fully overlapping with Exploration block of GSI_G4_FS_2024-2025 (Reconnaissance survey for Vanadium and allied metals mineralisation in Almora Group of rocks, Chaukhuri Mulakpt areas). The proposed block overlaps with the Ocean Drilling proposed block Gawai-Maulanajakh, the block was presented in 31 TCC-II and the committee did not agree to accord the in-principle approval as the channel sample length from the referenced GSI report 2024-25 was inadequate for demarcating the width of carbonaceous phyllite bands. It

		further advised the agency to come up with new proposal after incorporating the suggestion made by the committee.
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- c) The Committee did not approve the proposal in principle as there was an overlap of the proposed block with Gawai- Maulanajakh block of M/s Ocean Drilling and Exploration Private Limited which was discussed in 31st TCC-II.

Recommendations of TCC-II

The Committee did not approve the proposal in principle as there was an overlap of the proposed block with Gawai- Maulanajakh block of M/s Ocean Drilling and Exploration Private Limited.

Agenda 32.3.9 Preliminary Exploration (G3) for Vanadium, Graphite, Barium and associated Mineralization in Baswari - Sundungra block, Tehsil- Pati, District - Champawat, Uttarakhand.

ID: ME/IN/G3/UK/P/26-27/094

Area: 4.66 sq. km

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

- a) The proposed block of 4.66 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 530/15, in parts of Champawat District, Uttarakhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	During Annual programme of GSI, FS 2024-25, a G-4 stage investigation over a 50 sq. km area for Vanadium in Mulakot area Champawat district, Uttarakhand was carried out in parts of Toposheet no - 530/15. At present, a G3 stage of investigation is taken up by SU:UK, GSI for FS-2026- 27. The block under study overlaps with the proposed exploration block of NPEA. (~50-60% overlapping).
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	No overlapping with the ongoing or completed blocks of MECL
4	DGM	Not available
5	NMEDT	The proposed G3 block shows fully overlapping with Exploration block of GSI_G4_FS_2024-2025 (Reconnaissance survey for Vanadium and allied metals mineralisation in Almora Group of rocks, Chaukhuri Mulakpt areas). No NMEDT funded blocks present in and around the proposed block as per NGDR Portal.

- c) The Committee observed an overlap of the proposed block with GSI's exploration block and advised exclusion of the overlapping area from the proposal. Accordingly, proposed block boundary was modified (2.12 sq. km) by the agency and presented for G3 stage of exploration.

- d) The agency informed that during the Field Season 2024–25, reconnaissance survey has been carried out by GSI. The survey involved the systematic collection and analysis of various sample types, including 50 bedrock samples (BRS) and 50 channel samples, 30 samples for fixed carbon and Sulphur sample. Chemical analysis of these samples revealed anomalously high values of Ba, V, and fixed carbon. GSI has collected 15 Channel sample & 19 Bed Rock sample in the proposed block area during field work (Saha & Ranjan, 2025) and high values in of vanadium (10-2426 ppm), Barium (214-7821 ppm), Molybdenum (0.65-146.96ppm), Mercury (1-1144 ppb) and Fixed carbon (0.53 - 3.13 %) are found in Bed rock sample & vanadium (114-2339 ppm), Barium (567-7588 ppm), Molybdenum (0.92-145.73ppm) & Mercury (1-739 ppb) are found in Channel samples in the proposed block area.
- e) Based on the above-mentioned encouraging values from GSI report the Committee accorded in-principle approval to the proposal with modified area of 2.12 sq. km. It was also suggested to exclude granite part in SE part, only contact zone of carbon phyllite and granite gneiss to be studied.

Recommendations of TCC-II

The committee accorded in-principle approval to the proposal with modified area of 2.12 sq. km based on the encouraging values from GSI report.

Agenda 32.3.10 Reconnaissance survey (G4) for Aluminiferous Laterite/ Bauxite at Chitoor, Vandse and Karkunje blocks, Kundapur Taluka, Udupi District, Karnataka

ID: ME/IN/G4/KA/P/26-27/101

Area: 181 sq. km

[Implementing Agency: M/s Unised Research Consultants Private Limited]

- a) The proposed area of 181 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet nos. 48K/09, 48K/13, 48K/10, 48K/14, in parts of Udupi District, Karnataka.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	It has carried out Regional Bauxite Assessment deposits of (Coastal Bauxite) in South Kanara district, Mysore State FS 1969-70. In the proposed area, no exploration/reconnaissance projects are ongoing. The regional level investigation carried out in and around the areas of the proposed block shows that the area may be feasible for further exploration.
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	A major portion of the block area falls in the Mookambika Wildlife sanctuary and the Mookabika Eco-sensitive zone.
5	NMEDT	Proposed area falls in ESZ zone and Wild Life Sanctuary.

- c) The Committee observed an overlap of the proposed block with ESZ and Wildlife Sanctuary.
- d) The Committee advised the agency to submit a single fresh proposal with around 100 sq. km area after merging the proposed block with Byndoor, Bijuru and Heroor blocks (Agenda 32.3.11) proposed by the same agency and removing the overlapping parts with ESZ and Wild Life Sanctuary.

Recommendations of TCC-II

The Committee did not approve the proposal in principle due to presence of ESZ and Wild Life Sanctuary and advised the agency to submit a single fresh proposal with around 100 sq. km area after merging the proposed block with Byndoor, Bijuru and Heroor blocks (Agenda 32.3.11).

Agenda 32.3.11 Reconnaissance survey (G4) for Aluminiferous Laterite/ Bauxite at Byndoor, Bijuru and Heroor blocks, Kundapur Taluka, Udupi District, Karnataka

ID: ME/IN/G4/KA/P/26-27/100

Area: 182 sq. km

[Implementing Agency: M/s Unised Research Consultants Private Limited]

- a) The proposed area of 182 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet nos. 48K/09 and 48K/13, in parts of Udupi District, Karnataka.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	It has carried out Regional Bauxite Assessment deposits of (Coastal Bauxite) in South Kanara district, Mysore State FS 1969-70. In the proposed area, no exploration/reconnaissance projects are ongoing. The regional level investigation carried out in and around the areas of the proposed block shows that the area may be feasible for further exploration.
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Previous investigation by DMG in 1962 and 1982 for Aluminous Laterite/Bauxite. Detail geological mapping on a scale of 1:2000 scale was undertaken in Govindagade and Sedigudda area to delineate the extent and quality of the Aluminous Laterite. There are two ongoing exploration projects funded by NMEDT which falls with in the proposed blocks.
5	NMEDT	NMEDT Funded block CMT_Ongoing_G3_FS_2025-2026 (G3 for aluminous laterite and associated critical minerals in Govindagudde & Sedigudde block, Udupi District) lies within the

		proposed G4 Block (Red Block) as per records of NMEDT. NMEDT Funded block Ecomen_Ongoing_G2_FS_2025-2026 (General Exploration for Bauxite/Aluminous Laterite mineralization in Byndoor Block, Udupi district) lies within the Proposed G4 Block (Red Block) as per records of NMEDT. Part of the area falls in Eco-sensitive area and Wildlife Sanctuary.
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- c) The committee observed an overlap of the proposed block with exploration blocks of other Agencies.
- e) The committee did not accord in-principle approval due to overlap with with exploration blocks of other agencies and ESA and Wild Life Sanctuary. It further advised the agency to submit a single fresh proposal with around 100 sq. km area after merging the proposed block with Chitoor, Vandse and Karkunje blocks (Agenda 32.3.10) proposed by the same agency removing the overlapping parts with ESZ and Wild Life Sanctuary.

Recommendations of TCC-II

The Committee did not approve the proposal in principle due to overlapping with other ongoing blocks of two NPEAs and advised the agency to submit a single fresh proposal with around 100 sq. km area after merging the proposed block with Chitoor, Vandse and Karkunje blocks (Agenda 32.3.10).

Agenda 32.3.12 Reconnaissance survey (G4) for Copper, Gold, REE and associated minerals in Gothara area, Tehsil Khetri, Jhunjhunu district, Rajasthan

ID: ME/IN/G4/RJ/P/26-27/104

Area: 6.32 sq. km

[Implementing Agency: M/s South West Pinnacle Exploration Limited]

- a) The proposed area of 6.32 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet no. 44P/16, in parts of Jhunjhunu District, Rajasthan.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block submitted by NPEA lies between the auctioned copper mining leases of Khetri and Chandmari and has been proposed to evaluate the intervening area for copper mineralisation. However, the Khetri–Chandmari belt, including its strike extensions, has been extensively explored by GSI since 1947. The proposed block also overlaps with the GSI G3-stage Kalapahar Block and the G4-stage Gothara Granite Block. Although the area is considered prospective for copper and gold mineralisation based on occurrences to the north and south of the proposed block, the overlapping areas should be excluded and the block boundaries rationalized before considering the area for G4-

		stage exploration. The area proposed for G4 stage exploration is relatively small (6.32 km ²). Therefore, a rationally larger area should be selected while avoiding overlap with previously explored or proposed blocks.
2	AMD	There is no ongoing exploration / reconnaissance project.
3	MECL	It is observed that the proposed by M/s South West Pinnacle Exploration Limited is 100% overlapping with MECL's already proposed Khetri-Kolihan Intervening Block for which prior consent has already been submitted to the Directorate of Geology and Mining (DMG), Rajasthan. As per the directives of DMG, Rajasthan, MECL proposed Khetri-Kolihan Intervening Block (7.20 sq.km.) for Basemetals block is kept on hold due to Aravali and forest restrictions. MECL shall take up the block for carrying out exploration after obtaining clearance from concerned authorities under NMEDT funding.
4	DGM	Not available
5	NMEDT	Proposed block is partly overlapped with the Auctioned ML block of Hindustan Copper Ltd. There is no overlapping with the NMEDT Funded projects as per NGDR Portal.

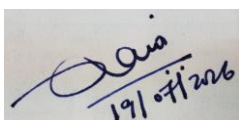
- c) The representative from DGM informed the committee that the proposed area falls in the FSI Aravalli area. The Committee did not approve the proposal in principle as the proposed area overlaps with Aravali area.

Recommendations of TCC-II

The Committee did not approve the proposal in principle as the proposed area overlaps with Aravali area.

List of participants attended 32nd meeting of Technical-cum-Cost Committee - II (TCC - II) of NMEDT held on 6th and 7th July, 2026 through video conferencing mode

Annexure 1					
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25	Harshwardhan Chouhan	Geologist			FAGMIL
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