

**Ministry of Mines**  
**National Mineral Exploration & Development Trust**  
**Minutes of 22<sup>nd</sup> meeting of Technical-cum-Cost Committee - II (TCC - II)**  
**held on 4<sup>th</sup> and 5<sup>th</sup> February 2026**

The 22<sup>nd</sup> meeting of Technical-cum-Cost Committee–II (TCC-II) of National Mineral Exploration and Development Trust (NMEDT) was held through video conferencing under the Chairmanship of Shri Pradeep Singh, Deputy Director General (DDG), Geological Survey of India (GSI) and Chairman, TCC-II, NMEDT held on 4<sup>th</sup> and 5<sup>th</sup> February 2026.

Members of TCC-II, NMEDT and representatives from M/s S and S Geological Consultant (SSGC), Mineral Exploration and Consultancy Limited (MECL), M/s Geovale Services Private Limited, DGM Mizoram, DGM Bihar, M/s Geo Marine Solutions Private Limited, M/s Maheshwari Mining Private Limited (MMPL), M/s Engeotech Consultant, Jharkhand Exploration and Mining Corporation Limited (JEMCL), FCI Aravali Gypsum & Minerals India Limited (FAGMIL), M/s Critical Mineral Trackers, M/s PRB Infra Projects Private Limited, M/s Gemcokarti Private Limited, M/s Vibrant Techno Lab Private Limited, Central Mine Planning & Design Institute Limited (CMPDI), DMG Tamil Nadu, CGM Gujarat, DMG Rajasthan, etc. have attended the meeting through video conferencing mode.

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

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

### 22.1 Technical Evaluation of New Project Proposals

#### **Agenda 22.1.1 Preliminary Exploration (G3) for Potash in Mahauli–Gopalgarh–Alampura Block, Karauli District, Rajasthan.**

**[Implementing Agency: M/s S and S Geological Consultant (SSGC)]**

- a) The proposed preliminary exploration (G3) block, covering an area of 9.20 sq. km, is located on Survey of India Toposheet No. 54B/15 and falls within parts of Karauli District, Rajasthan.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	G4 exploration (FS 2015–16) have identified potash-bearing glauconitic sandstone/shale in the Vindhyan Supergroup (Sawai Madhopur–Karauli, Rajasthan). Mapping, sampling, and scout drilling confirmed K <sub>2</sub> O content averaging 4.5–5.2%, with a 1 km mineralized zone near Mahauli. Based on these results, a G3 stage exploration proposal was recommended.
2	DMG Rajasthan	DMG Rajasthan has granted consent for exploration vide letter dated 16.10.2025, including a Potash (Glauconite Shale & Sandstone) block.



3	MECL	The block proposed by M/s. SSGC is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c. In the proposed area, the Taragarh Fort Formation is mainly consists of sandstones with occasional intercalations of siltstones and shales. Glauconite mineral is associated with medium to coarse grained sandstones varying from 10% to 30% mineral content. The sandstone analysis has yielded 0.1% to 5.93% of K<sub>2</sub>O with average of 3.60%.
- d. The Jhiri Formation is mainly represented by shales with intercalations of siltstones, sandstones and limestones. The shales are characteristic Khaki, olive green in colour. Shales of this formation have 60% to 90% Glauconite mineral content. The thickness of this shale is about 45m. Analysis has yielded 0.63% to 6.64% K<sub>2</sub>O with an average of 4.50%.
- e. The Panna formation mainly consists of shales and sandstones. The shales are olive green in colour occurring in synclinal portions near Sapotra, Kaontipura, Bapoti and Mahauli areas. Its thickness is about 48m. The analysis of Panna shales has yielded 0.76% to 7.21% K<sub>2</sub>O with an average 5.08%.
- f. The TCC-II opined that proceeding to G3 stage exploration only on the basis of BRS sample analysis is not geologically justifiable. The agency should undertake limited additional field investigations along with systematic sample collection. Field photographs must be captured during the traverses. Further, details of previous work carried out by GSI and other agencies in and around the proposed block should be duly incorporated in the detailed proposal.

#### Recommendation TCC

**The TCC-II Committee deferred the proposal and advised the agency to conduct limited fieldwork with sample collection and field photographs. Previous work by GSI and other agencies in and around the block must be included in the detailed proposal.**

#### Agenda 22.1.2 Reconnaissance Survey (G4) for REE, Zircon and Associated Minerals in Maravanur Area, District-Ariyalur Tamil Nadu.

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

- a. The proposed reconnaissance survey (G4), covering an area of 46.33 sq. km, falls in Survey of India Toposheet No. 58M/04 and lies within parts of Ariyalur, District- Tamil Nadu.
- b. The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The proposed area mainly consists of sandstone of the Sillakkudi Formation (Upper Cretaceous), with minor Cuddalore Formation and <1% Charnockite. Though >1000 ppm of TREE has been reported, review is needed as the area is dominantly sedimentary. Average Sc (53ppm) and Y (23ppm) are slightly above crustal levels; proposed value of Zr (5921ppm) appears

		to be erroneous as the value ranges from 190ppm to 2025ppm). Also, the 46.33 sq. km LSM area seems small.
2	DMG, Tamil Nadu	Comments from State Government (DMG, Tamil Nadu) were pending during the meeting. However, representative from DMG, Tamil Nadu informed that the State DMG have no objection with the proposal. The DGM also suggested agency to properly write the name of district in the title of the project in which the proposed block is situated and informed the same to TCC-II.
3	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c. The MECL informed that 9 NGCM Stream Sediment Sample collection points fall in the proposed Maravnur area. The total REE, LREE and HREE values have been calculated and the geochemical anomaly map for the same has been prepared. The proposed area has a maximum TREE+Sc+Y value of 2851.8 ppm with an average value of 1651.90 ppm. A total of 5 sample out of 9 (45% samples > 1000PPM) shows TREE+Sc+Y value more than 1000 PPM. The maximum total HREE value in proposed Maravnur area is 217.47 ppm of which the major contributing element is Gadolinium (maximum 53.294 ppm). The maximum LREE value in Maravnur Area is 2016.67 ppm and the major contributing element is Cerium (maximum 1260.3 ppm) followed by Lanthanum (maximum 617.63 ppm). The NGCM stream sediment samples carried out by GSI show highly anomalous values for REE in toposheets 58M/04, therefore the Maravanur Area is proposed for reconnaissance survey for REE, Zr and associated minerals.
- d. Further, the agency informed that the highest  $\Sigma$ REE value recorded in these rocks ranges from 809.20 ppm to 2851.80 with an average of 1651.90 ppm (Mottled Sandstone), LREE being the maximum contributing factor. Additionally, the highest Zirconium (Zr) value recorded in these rocks ranges from 2025 ppm to 5921 ppm (Mottled Sandstone) with an average of 3340.44 ppm.
- e. TCC-II advised modifications in tentative locations of stream sediment samples collection by targeting mostly the second order streams. Also, it was suggested to process these samples in -120 mesh size for comparison with the GSI's NGCM data.

#### Recommendation TCC

***The committee recommended the proposal for approval of PSC for "Reconnaissance Survey (G4) for REE, Zircon and Associated Minerals in Maravanur Area, District-Ariyalur, Tamil Nadu" with an estimated cost of ₹ 92.41 Lakh (including GST) within the time schedule of 12 months and submission of the report as per Annexures 2A & 2B. The item will be reviewed after 5 and 10 months.***

**Estimated cost for Reconnaissance Survey (G4) for REE, Zircon and Associated Minerals in Maravanur Area, District-Ariyalur, Tamil Nadu**  
**Total block area- 46.33 sq. km; Completion Time- 12 Months, Review after 5 and 10 months.**  
**Implementing Agency-MECL**

S. No.	Item of Work	Unit	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Amount (Rs)	
i	Geological mapping	Sq. Km	1.1	18,300	46.33	8,47,839	
iv	Pitting/Trenching/BRS	per cu m	2.1.2	4,725	50	2,36,250	20 pits of 2.5 cu. m each
<b>B</b>	<b>OTHER GEOLOGICAL WORK</b>						
i	Charges for one Geologist- Field	day	1.2.1a	14,500	90	13,05,000	Core logging and sampling
ii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	180	97,380	Minimum wages plus statutory contributions and taxes
iii	Core Sampling -1 Samplers Labour charge not included	day	1.2.1b	7,850	23	1,80,550	
iv	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	92	49,772	Minimum wages plus statutory contributions and taxes
iii	Charges for one Geologist per- HQ	day	1.2.1a	10,500	60	6,30,000	
					<b>Sub Total- A+B</b>		
						<b>33,46,791</b>	
<b>c</b>	<b>DRILLING (Outsource)</b>						

i	Mechanised Auger Drilling for soft strata upto 30 m depth	m	2.2.2.1	4,760	250	11,90,000	50 Bhs at an average depth 5m per borehole
ii	Land / Crop Compensation	per BH	5.6	30,000	10	3,00,000	As per actuals
iv	Technical supervision for outsourcing		6			1,19,000	
<b>Sub Total- c</b>						<b>16,09,000</b>	
<b>D</b>	<b>LABORATORY STUDIES</b>						
<b>1</b>	<b>Chemical Analysis</b>						
a	i) Pit samples for REE in raw fraction	Nos	4.1.15	7,400	20	1,48,000	14 REE elements+9 radicals of trace elements (U,Ta,Ga,Be,Hf.Sn,As,Rb,Th) by ICP-MS (Sequential Technique)
c	iii) Bed rock samples for REE	Nos	4.1.15	7,400	20	1,48,000	14 REE elements+9 radicals of trace elements (U,Ta,Ga,Be,Hf.Sn,As,Rb,Th) by ICP-MS (Sequential Technique)
d	iv) Stream sediments samples for REE -120 mesh fraction	Nos	4.1.15	7,400	30	2,22,000	14 REE elements+9 radicals of trace elements (U,Ta,Ga,Be,Hf.Sn,As,Rb,Th) by ICP-MS (Sequential Technique)
e	v) Stream sediments samples for REE heavy fraction NGCM Anomaly zones	Nos	4.1.15	7,400	30	2,22,000	14 REE elements+9 radicals of trace elements (U,Ta,Ga,Be,Hf.Sn,As,Rb,Th) by ICP-MS (Sequential Technique)

g	vii) Auger drilling samples for REE heavy fraction	Nos	4.1.15	7,400	50	3,70,000	14 REE elements+9 radicals of trace elements (U, Ta, Ga, Be, Hf, Sn, As, Rb, Th) by ICP-MS (Sequential Technique)
i	ix) 10% External check samples	Nos	4.1.15	7,400	7	51,800	
<b>2</b>	<b>Physical &amp; Petrological Studies</b>						
i	Preparation of thin section	Nos	4.3.1	500	10	5,000	a) Preparation of thin section
ii	Complete petrographic study report	Nos	4.3.4	2,800	10	28,000	b) Study of thin section for petrography
iii	Preparation of polished section	Nos	4.3.2	800	10	8,000	c) Specific Gravity
iv	Complete mineragraphic study report	Nos	4.3.4	2,800	5	14,000	d) Photomicrograph
v	f) EPMA Studies	Nos	4.4.1	10,500	10	1,05,000	e) XRD Mineral phase analysis
vi	Density	Nos	4.8.3	2,500	8	20,000	f) EPMA Studies
vii	Separation of heavy minerals from stream sediment samples of - 2mm size through gravity and magnetic separation	Nos	4.3.6b	13,820	80	11,05,600	
						<b>Sub Total- D</b>	<b>24,47,400</b>
<b>F</b>						<b>Total A to D</b>	<b>74,03,191</b>

<b>G</b>	<b>Geological Report Preparation</b>		<b>5.2</b>	For the projects having cost exceeding Rs. 50 lakhs - Rs. 2.5 lakhs	<b>2,50,000</b>	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) with soft copy
<b>H</b>	<b>Peer review Charges</b>	<b>As per EC decision</b>			<b>30,000</b>	
<b>I</b>	<b>Preparation of Exploration Proposal (5 Hard copies with a soft copy)</b>	<b>5 Hard copies with a soft copy</b>	<b>5.1</b>	2% of the Cost or Rs. 5.00 Lakhs whichever is lower	<b>1,48,064</b>	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.
<b>K</b>	<b>Total Estimated Cost without GST</b>				<b>78,31,255</b>	
<b>J</b>	<b>Provision for GST (18% of I)</b>				<b>14,09,625.87</b>	GST will be reimbursed as per actual and as per notified prescribed rate
<b>K</b>	<b>Total Estimated Cost with GST</b>				<b>92,40,880.69</b>	
	<b>or Say Rs. In Lakhs</b>				<b>92.41</b>	
<b>Note:</b>						
<b>1</b>	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.					
<b>2</b>	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.					
<b>3</b>	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.					
<b>4</b>	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.					
<b>5</b>	Any item of work not mentioned above shall be added as per SoC.					
<b>6</b>	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.					
<b>7</b>	The recommendations are for purpose of initiating the project. The final costing will be done after the revised SoC of NMET is issued					

**Tentative action plan of Reconnaissance Survey (G-4) for REE, Zr and associated minerals in Maravnur area, - Districts-Ariyalur, Tamil Nadu**  
**Total block area- 46.33 sq km; Completion Time- 12 Months, Reviewed after 5 and 10 months.**

S.No.	Activities	MONTHS															
		1	2	3	4	5	Review	6	7	8	9	10	Review	11	12		
1	Camp setting	■						Review							Review		
2	Geological mapping		■														
3	Sample preparation			■													
4	Analytical work			■													
5	Exploratory mining for pitting/trenching/BRS			■	■												
6	Sample preparation (Pit and Trench samples)				■												
7	Analytical work					■											
8	Auger Drilling								■								
9	Analytical work									■	■	■					
10	Geologist at HQ												■				
11	Report Writing with Peer Review													■			
12	FGR Submission																■

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

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

**Agenda 22.1.3 Preliminary Exploration (G3) for Iron and Manganese in Rivona East Block Rivona Taluka, South Goa District, Goa.**

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

- a) The proposed area for preliminary exploration (G3), covering 4.05 sq. km falls within Survey of India Toposheet no. 48I/04, in parts of Rivona Taluka, South Goa District, Goa.
- b) MECL informed that this block was previously under a mining lease which has since lapsed and is now categorized as a 10A(2)(b) case. Iron ore bands are marked on the geological map prepared by GSI.
- c) Further, the agency informed that the iron ore deposits in this block belong to the Rivona–Colomba–Caorem type of the Goa Iron Ore Formation in South Goa. The iron ore occurs in close association with manganese ore. Surface indications include the presence of hematite, limonite, black iron ore, and minor manganese ore within laterite.
- d) DGM Goa informed that the Village Rivona, Sanguem Taluka, South Goa District (now Kushavati District), has been included in the draft notification issued vide S.O. 3060(E) dated 31/07/2024 by the Ministry of Environment, Forest and Climate Change, Government of India (Extraordinary Gazette, Part II, Section 3(ii)), as a village falling within the Western Ghats Ecologically Sensitive Area.
- e) During the meeting, comments from GSI were awaited and the matter could not be discussed in detail due to the non-availability of GSI's remarks.

**Recommendation TCC-II**

***The Committee did not recommend the proposal.***

**Agenda 22.1.4 Preliminary Exploration (G3) for Iron and Manganese in Rivona West block, Rivona Taluka, South Goa District, Goa.**

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

- a. The proposed area for preliminary exploration (G3) covering 1.63 Sq. Km, falls within Survey of India Toposheet no. 48I/04 in parts of Rivona Taluka, South Goa District, Goa.
- b. DGM Goa informed that the Village Rivona, Sanguem Taluka, South Goa District (now Kushavati District), has been included in the draft notification issued vide S.O. 3060(E) dated 31/07/2024 by the Ministry of Environment, Forest and Climate Change, Government of India (Extraordinary Gazette, Part II, Section 3(ii)), as a village falling within the Western Ghats Ecologically Sensitive Area.
- c. During the meeting, comments from GSI were awaited and the matter could not be discussed in detail due to the non-availability of GSI's remarks.

**Recommendation TCC-II**

***The Committee did not recommend the proposal.***

**Agenda 22.1.5 Reconnaissance Survey (G4) for REE in Wandhaya Area, Kachchh District, Gujarat.**

**[Implementing Agency: M/s. Geovale Services Pvt. Ltd]**

- a) The proposed reconnaissance survey (G4), covering an area of 165 sq. km, is situated on Survey of India Toposheet Nos. 41E/7 and 41E/8 and falls within parts of Kachchh District, Gujarat.
- b) M/s Geovale informed that a similar REE exploration project has been completed in the adjoining Bhuj block, which indicated high potential for REE mineralization within the clayey and sandy units of the Bhuj and Katrol Formations. It was further stated that similar lithological units continue into the present proposed block.
- c) Geovale further informed that a field survey was undertaken in the potential areas of the proposed block, focusing on tracing the lithological extension of the ongoing Bhuj block. During the survey, three bedrock samples were collected—two from ferruginous shale of the Katrol Formation and one from ferruginous sandstone of the Chari Formation. The highest Total REE value recorded among these samples was 788 ppm.
- d) Comments received from AMD indicate that the proposed area does not overlap with any existing exploration block. It was also informed that no exploration activities have been undertaken within the proposed area.
- e) The State Government (CGM, Gujarat) informed that an NOC was issued on 8th April 2025 to M/s Geovale Services Private Limited for the proposed area. It was also brought to the notice of the Committee that analytical results from Geovale's Ujol project showed discrepancies, with REE values reported as 22,000 ppm in the original sample and 6,000 ppm in the check sample.
- f) GSI informed that approximately 30 sq. km of the proposed area overlaps with an earlier GSI's G4 stage exploration project for phosphorite titled "Reconnaissance Survey for Phosphorite in and around Deshalpar, Vandhay, Samatra, and Bharasar areas, Kachchh District, Gujarat (G4), Field Season 2019–20."
- g) The TCC-II advised detailed delineation of the target lithology and structural framework. It was recommended that phosphatic zones and their stratigraphic controls to be studied in detail. The Committee also suggested reduction of the total proposed area of 165 sq. km, considering it to be relatively large for a G4 stage reconnaissance survey.
- h) The approved Reconnaissance Survey (G-4) for REE in the Wandhaya area, covering an area of 111 sq. km along with the coordinates of the area, is provided below: -

Name	Latitude	Longitude
A	23.18108	69.38326
B	23.22503	69.38389
C	23.22511	69.41242
D	23.28397	69.40118
E	23.28340	69.50132
F	23.19657	69.50004
G	23.19698	69.44442
H	23.17942	69.44450

### **Recommendation TCC**

**The Committee recommended the proposal for approval of PSC “Reconnaissance Survey (G4) for REE in Wandhaya Area, Kachchh District, Gujarat” with an estimated cost of ₹135.00 lakh (including GST), with time schedule of 10 months for submission of the final report, as per Annexures 3A & 3B. The progress of the project shall be reviewed after 4 months and 8 months. A total of 4 boreholes have been approved, including one (01) borehole of 100 m depth and three (03) boreholes of 50 m depth each.**



**Title of Project - Reconnaissance Survey(G4) For REE In Wandhaya Area, Kachchh Districr, Gujarat**  
**Total Area - 111 sq. km; Core drilling: Total 250m (1BH 100m & 3BH 50m); Completion Time -10 Months, Review: 4 months & 8 months.**  
**Implementing Agency - Geovale Services Pvt. Ltd.**

S.N	Item of work	Unit	Rates as per NMET Revised SoC				Remarks
			SoC-Item -Sl. No.	Rates as per SOC	Quantum	Total Amount (Rs)	
<b>1</b>	<b>Geological Work</b>						
a	Charges for one Geologist per day at HQ	Man-days	1.2.1a	10,500.00	60.00	6,30,000	
b	<b>Geological Mapping (1:12,500) &amp; sampling</b>	sq km	1.1	18,300.00	111	20,31,300	
c	Geologist Field day	Per day	1.2.1a	14,500	60	8,70,000	
d	Labour Field days	Per day	5.8	541	120	64,920	Minimum wages plus statutory contributions and taxes
	<b>Sub-Total 1</b>					<b>35,96,220</b>	
<b>2</b>	Pitting (Excavation of Pit up to 2.0 m depth with back filling)	per cu. m	2.1.2	4,725	100	4,72,500	
	<b>Sub-Total 2</b>					<b>4,72,500</b>	
<b>3</b>	<b>Laboratory Studies</b>						
	<b>Geochemical Analysis for regional and detail survey</b>						
a	XRF (major oxides)	per sample	4.1.17a	4,200	25	1,05,000	
b	Check samples for XRF	per sample	4.1.17a	4,200	3	10,500	
c	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element	per sample	4.1.15	7,400	150	11,10,000	BRS-100 PC-50

	(U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique)						
e	Check samples	per sample	4.1.15	7,400	15	1,11,000	
g	XRD	per sample	4.5.2	4,000	20	80,000	XRD analysis for identification of minerals (Random)
h	Separation of heavy minerals from stream sediment samples of -2mm size	per sample	4.3.6b	13,820	50	6,91,000	
i	Sampler man-days	one sampler per day	1.2.1b	7,850	35	2,74,750	
j	Labor (4 workers per sampler)	per labor day	5.8	541	140	75,740	Minimum wages plus statutory contributions and taxes
	<b>Sub-Total 3</b>					<b>24,57,990</b>	
<b>4</b>	<b>Petrological studies</b>						
a	Thin section preparation	per sample	4.3.2	800	20	16,000	
b	Microscopic study	per sample	4.3.4	2,800	20	56,000	
c	SEM-EDX per hour (with 6 hours per day target)	per sample	4.4.1a	8,800	10	88,000	
d	EPMA	per hour	4.4.1	10,500	10	1,05,000	
	<b>Sub-Total 4</b>					<b>2,65,000</b>	
<b>5</b>	<b>Drilling (In-house)</b>						
a	Core drilling up to 250m depth	per meter	2.2.1.1d	10,000	250	25,00,000	
b	Drill core preservation	per meter	5.3.0	1,590	100	1,59,000	
c	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation, Camp setting, Approach Road, etc.)		2.2.9 (1)			6,25,000	
	<b>Sub-Total 5</b>					<b>32,84,000</b>	

<b>6</b>	<b>Laboratory Studies</b>						
	<b>Geochemical Analysis (BH samples)</b>						
a	XRF (major oxides)	per sample	4.1.17a	4,200	10	42,000	
b	Check samples for XRF	per sample	4.1.17a	4,200	1	4,200	
c	ICPMS (14 REE +9 Trace)	per sample	4.1.15	7,400	100	7,40,000	
d	XRD	per sample	4.5.2	4,000	20	80,000	
	<b>Sub-Total 6</b>					<b>8,66,200</b>	
	Sub-total (1+2+3+4+5+6)					<b>1,09,41,910</b>	
<b>9</b>	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	Lumpsum	5.1	2% of approved project cost or 5 lakh whichever is lower		<b>2,18,838.20</b>	
<b>10</b>	Geological Report Preparation		5.2	Total cost exceeding ₹50 lakh but less than 150 Lakh: ₹2.5 lakh		<b>2,50,000</b>	
<b>11</b>	Report Peer Review	Lump sum	As per EC			<b>30,000</b>	
<b>Project Cost without GST</b>				<b>Project Cost without GST</b>		<b>1,14,40,748.20</b>	
<b>18% GST</b>				<b>18% GST</b>		<b>20,59,334.68</b>	
				<b>Total Project Cost</b>		<b>1,35,00,082.88</b>	
<b>Note:</b>				<b>or Say Rs. In Lakhs</b>		<b>135.00</b>	
<b>1</b>	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
<b>2</b>	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.						
<b>3</b>	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.						
<b>4</b>	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
<b>5</b>	Any item of work not mentioned above shall be added as per SoC.						
<b>6</b>	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						
<b>7</b>	The recommendations are for purpose of initiating the project. The final costing will be done after the revised SoC of NMET is issued						

**Title of Project - Reconnaissance Survey (G4) for REE in Wandhaya Area, Kachchh District, Gujarat**  
**Total Area - 111 sq. km; Core drilling: Total 250m (1BH 100m & 3BH 50m); Completion Time -10 Months, Review: 4 months & 8 months**

S. No.			1	2	3	4	Review	5	6	7	8	Review	9	10		
1	Prefield Activity (HQ)	Month s/Days														
2	Geological Mapping & Sampling	days														
3	Laboratory Studies for Surface Samples	Nos.														
4	Petrographic Studies for Surface Samples	Nos.														
5	Pitting	cu.m														
6	Geophysical survey	L.km														
7	Drilling	m														
8	Laboratory Studies for BH Samples	Nos.														
9	Petrographic Studies for BH Samples	Nos.														
10	Report Writing with Peer Review	months														

## **22.2 Review of Ongoing Procurement Projects & Timeline Extension**

**Agenda 22.2.1 Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.**

**[Implementing Agency: DGM Mizoram]**

- a) Project -1: Approval of ₹309.32 Lakh in the 27th EC of NMEDT held on 10th January 2023 for 12 months period. In 29th EC, the cost of WD- XRF (₹40Lakhs) approved was removed from Project 1 and approved as new item in Project 2. Time extension up to 31st March 2025 was approved in 37th EC held on 23rd September 2024.
- b) Project 2: Approval of ₹195.99 Lakh in the 29th EC of NMEDT held on 31st March 2023 for 12 months period. Additionally, ₹2 Lakhs were approved for purchase of bomb calorimeter in the 35th EC of NMEDT held on 16th May 2025. Time extension up to 31st March 2025 was approved in 37th EC held on 23rd September 2024.
- c) Project 3: 39th EC accorded approval of ₹29,50,000/- with a timeline of 12 months for procurement of 01 DGPS. Additional cost of ₹4,39,200/- for procurement of 10 handheld GPS was approved in 39th EC of NMEDT (Project 1) to DGM, Mizoram.
- d) Details of approved procurement items and proposed modification recommended by TCC-II.
- e) In the 4th PSC meeting Committee deferred the proposal for additional cost of ₹17,90,163 for Project-1 and directed TCC2 to revisit it, while instructing DGM Mizoram to submit a clear action plan for procurement and utilization of equipment.
- f) In the 4th PSC meeting Committee approved the timeline extension for Project 1 and Project 2 from 30.09.2025 to 31.03.2026.
- g) The Committee observed that the action plan submitted by DGM, Mizoram does not specify a timeline with respect to the proposed market survey. The Committee advised DGM, Mizoram to incorporate a clear timeline in the action plan.
- h) The agency informed that they have submitted the work plan for procurement process and utilization of instruments to NMEDT.
- i) The TCC-II advised that along with work plan, timeline schedule also to be submitted by the agency to NMEDT. Also, utilization of 600m deep Hydrostatic Drill machine to be justified.

### **Recommendation TCC**

- **The TCC-II advised that along with work plan, timeline schedule also to be submitted by the agency to NMEDT. Also, utilization of 600m deep Hydrostatic Drill machine to be justified.**
- **The committee recommends the proposal for approval of PSC for proposed action plan submitted by the DGM Mizoram.**

Project 1								
S. No	Items	Quantity	Total approved cost	Approved at	Later Modification, if any	Modification approved at	Cost after modification, if any	Proposal for 4th PSC
1	Digital Camera DSLR	1	1,25,000	27th EC meeting	-	-	1,25,000	
2	Brunton compass	10	1,00,000	27th EC meeting	-	-	1,00,000	
3	Geologists Hammer	10	72,000	27th EC meeting	-	-	72,000	
4	Handheld GPS	10	80,000	27th EC meeting	Cost modification Addl. 4,39,200/-	39th EC meeting	5,19,200	Addl. Cost of Rs. 30800/-
5	Scintillometer	1	6,00,000	27th EC meeting	-		6,00,000	
6	Rock processing unit (Polishing, grinding, mounting)	1	10,00,000	27th EC meeting	-		10,00,000	
7	Pulverizer	1	6,00,000	27th EC meeting	Addl. Cost of 11,11,000 was approved during 42 <sup>nd</sup> EC. Pulverizer was replaced with Vibratory Cup Mill to be procured at same rate during 3 <sup>rd</sup> PSC	1. 42 <sup>nd</sup> EC meeting 2. 3 <sup>rd</sup> PSC meeting	17,11,000	
8	Research Polarising Microscope with software attached camera for Transmitted and Reflected light with accessories	1	12,00,000	27th EC meeting	Additional cost of Rs. 1,92,400/- for procurement of Research Polarising Microscope with Vertical illuminator, LED light & fixed polariser for reflected light path	3 <sup>rd</sup> PSC meeting	13,92,400	
9	WD-XRF	1	40,00,000	27th EC meeting	The item was removed later from Project 1 and placed in Project 2	29th EC meeting	(-) 40,00,000	

10	Fusion bead machine	1	20,00,000	27th EC meeting	-		20,00,000	Addl. Cost of Rs. 17,59,363/ -
11	Press pellet machine	1	3,90,000	27th EC meeting	-		3,90,000	
12	Hot Plates	1	10,000	27th EC meeting	-		10,000	
13	Muffle furnace	1	1,00,000	27th EC meeting	-		1,00,000	
14	Air Oven	1	55,000	27th EC meeting	-		55,000	
15	GIS software	1	13,00,000	27th EC meeting	The cost was enhanced and the item was removed from Project 1 and placed at Project 2	29th EC meeting	(-) 13,00,000	
16	Hydrostatic drill machine up to 600m capacity	1	80,00,000	27th EC meeting	-		80,00,000	
17	Drill Accessories		80,00,000	27th EC meeting	-		80,00,000	
18	Pumps	1	15,00,000	27th EC meeting	-		15,00,000	
19	Core Splitter	1	2,00,000	27th EC meeting	-		2,00,000	
20	DGPS (1 set)	1	16,00,000	27th EC meeting	-		16,00,000	
			<b>3,09,32,000</b>	27th EC meeting	-		<b>2,73,74,600</b>	<b>Addl. Cost of Rs. 17,90,163/- i.e. Rs. 2,91,64,763/-</b>

Project 2									
S. No.	Items	Quantity	Estimated Cost Per unit	Total Estimated cost	Approved at	Later Modification, if any	Modification approved at	Cost after modification, if any	Proposal for 4th PSC
1	GIS Software	3	15,33,000	45,99,000	29th EC meeting	-	-	45,99,000	-
2	WD-XRF	1	1,50,00,000	1,50,00,000	29th EC meeting	-	-	1,50,00,000	-
3	Bomb Calorimeter	1	-	-	-	Added during 35 <sup>th</sup> EC meeting	35th EC Meeting	2,00,000	-
				<b>1,95,99,000</b>	-	-		<b>1,97,99,000</b>	-

Project 3						
S. No.	Items	Quantity	Total Estimated cost	Approved at	Later Modification, if any	Cost after modification, if any
1	DGPS	1	29,50,000	39th EC meeting	-	-
			<b>29,50,000</b>		-	-

**Agenda 22.2.2 Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.**

**[Implementing Agency: DMG Bihar]**

- a.) The project-I was recommended by 51<sup>st</sup> TCC held on 27<sup>th</sup> & 28<sup>th</sup> March 2023 and approved by 29<sup>th</sup> EC held on 31<sup>st</sup> March 2023 with schedule time for 12 months and sanction date 17.04.2023. The approved cost of the project was ₹ 15,50,000/-
- b.) DMG Bihar, has received the 1st instalment advance of ₹ 6,20,000/- for the project. The proposal was not presented by DMG, Bihar.

Sl. No.	Name of Item	Qty.	Estimated	Total Estimated cost (₹)	Procurement Status
			Cost per unit (₹)		
<b>Project -I</b>					
1	Handheld GPS	5	30,000	1,50,000	Under Process
2	Brunton Compass	5	8,000	40,000	Procured
3	Geological Hammer	5	8,000	40,000	Under Process
4	Digital Camera	2	10,000	20,000	Procured
5	GSI Software	1 License	13,00,000	13,00,000	Procured, Installed
	Total			15,50,000	
<b>Project -II</b>					
1	Handheld GPS	20	30,000	6,00,000	Under Process
	Total			21,50,000	

- c.) In the 16th TCC-II meeting, the agency requested a six-month extension for procurement of the remaining Geological Hammers and GPS devices. The Committee recommended the six-month extension, which was subsequently approved by the 3<sup>rd</sup> PSC, along with an additional one-month timeline extension up to 31<sup>st</sup> January 2026.
- d.) The agency again requested timeline extension of 3 months for procurement of remaining Geological Hammers and GPS devices. The TCC-II committee recommended the proposal for 3 months timeline extension till 30<sup>th</sup> April 2026.

**Recommendation TCC**

**The committee recommended the proposal for approval of PSC for 3 months timeline extension till 30<sup>th</sup> April 2026.**

### **22.3 Review of Ongoing Projects/ Completed Project & Timeline Extension**

#### **Agenda 22.3.1 Preliminary Exploration (G3) for Bauxite, Gallium, Vanadium, and REE Minerals in the Naredi Bauxite Block, Kachchh District, Gujarat.**

**[Implementing Agency: Geo Marine Solutions Private Limited]**

- a) The project was recommended 3<sup>rd</sup> TCC-II held on 5<sup>th</sup> and 6<sup>th</sup> December 2024 and approved in 39<sup>th</sup> EC held on 24/01/2025 with an approved cost of ₹ 233.33 Lakh (including GST) for 14 months up to 24/03/2026.
- b) In the 11<sup>th</sup> TCC-II meeting committee had advised to the agency for reorientation of the project for Sc & Ga. Remaining drilling was suggested in 400m x 400m spacing & core sampling per meter run. XRD analysis was also suggested in this project. The 11<sup>th</sup> TCC-II committee had advised the agency to submit a revised quantum of work as per suggestions of TCC-II.
- c) The agency informed that all work components of the project have been completed and requested for Peer review of the final geological report. Out of approved drilling quantum of 910m only 567m drilling has been done. Approval for additional ICPMS analysis for 42 samples was also requested by the agency

#### ***Recommendation TCC-II***

- **The committee recommended the proposal for approval of PSC for additional ICPMS analysis for 42 samples.**
- **The item has also been recommended to PSC for approval of revised cost from ₹233.33 lakh to ₹ 189.03 lakh, due to additional ICPMS analysis for 42 samples and shortfall in drilling quantum (Out of approved drilling quantum of 910m only 567m drilling has been done). Annexure-4.**



**Revised Cost for Preliminary Exploration (G3) for Bauxite, Gallium, Vanadium and REE Minerals in the Naredi Bauxite Block, Kachchh District, Gujarat**

**Total Area - 3.92 Sq. Km; Drilling- 910m, BH- 91 nos. Completion Time - 14 Months, Review: after 5 months  
Implementing Agency - Geo Marine Solutions Pvt. Ltd.**

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Revised Cost		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	Qty.	Total Amount (Rs)	
<b>A</b>	<b>Geological Mapping Other Geological Work &amp; Surveying</b>								
	Geological mapping, (1:4,000 scale)								
i	a. Charges for Geologist per day (Field) for geological mapping (60 days) & drilling work (100 days)	day	1.3	11,000	160	17,60,000	160	17,60,000	
ii	b. Labours Charges; Base rate	day	5.7	526	320	1,68,320	320	1,68,320	
	c. Charges for Geologist per day (HQ)	day	1.3	9,000	60	5,40,000	60	5,40,000	
	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5,100	88	4,48,800	88	4,48,800	
	Labours Charges for survey work (4 labourers)	day	5.7	526	352	1,85,152	352	1,85,152	
	<b>Sub Total- A</b>					<b>31,02,272</b>		<b>31,02,272</b>	

<b>C</b>	<b>Survey work</b>								
a	Surveyor for topographic survey/DGPS Survey and for BH fixation & RL determination (91 BH plus 5 Boundary points)	Per Point of observation	1.6.2	19,200	96	1843200	96	18,43,200	
b	Charges of Surveyor (1 party) for topographic mapping in 1:4000 scale	one surveyor per day	1.6.1a	8,300	45	373500	45	3,73,500	
c	Labours Charges for survey work (4 labourers)	day	5.7	526	180	94680	180	94,680	
	<b>Sub-Total C</b>					<b>23,11,380</b>		<b>23,11,380</b>	
<b>E</b>	<b>DRILLING</b>								
1	Drilling in soft rock 10.0m, or up to bedrock whichever is occurring first (91 BH *10)	m	2.2.1.1b	7,168	910	65,22,880	567	40,64,256	As per achievement of 27BH with 567.0m drilling.
2	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH							
3	Transportation of Drill Rig & Truck associated per drill (1 rigs)	Km	2.2.8	36	3,493	1,25,748	3,493	1,25,748	
4	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	4	2,00,000	4	2,00,000	
5	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	2,50,000	
6	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	1	2,50,000	
7	Drill core Preservation	m	5.3	1,590	910	14,46,900	567	9,01,530	
	<b>Sub Total E</b>					<b>87,95,528</b>		<b>57,91,534</b>	

<b>G</b>	<b>LABORATORY STUDIES</b>								
1	<b>Chemical Analysis</b>								
v)	<b>BH Core samples</b>								
	Primary + 10 % Check Sample for major oxides and LOI by XRF technique(one third of total 910 samples)	Nos	4.1.15a	4,200	333	13,98,600	184	7,72,800	168 no.s primary +16 no.s check samples
	b.Primary +check samples For REE ,Ga,V ,Sc,Y,Nb,Ta,Li and other Trace elements : by ICPMS 34 elements : by ICPMS (one third of total 910 samples)	Nos	4.1.14	7,731	333	25,74,423	375	28,99,125	342 no.s primary +33 no.s check samples
	Analysis for Gold by fire assay technique	Nos	4.1.5a	2,380	10	23,800	-	-	
	Combined determination of Trihydrate Alumina(THA-140°C), Monohydrate Alumina(MHA-240°C)& Reactive Silica	Nos	4.1.17a	6,700	5	33,500	-	-	
	Determination of Trihydrate Alumina (THA-140°C)	Nos	4.1.17b	2,000	5	10,000	-	-	
	Determination of Monohydrate Alumina(MHA-240°C)	Nos	4.1.17c	3,500	5	17,500	-	-	
	Determination of Reactive Silica	Nos	4.1.17d	1,500	5	7,500	-	-	
	Determination of Bond Work Index	Nos	4.1.17e	10,000	5	50,000	-	-	
2	<b>Physical &amp; Petrological Studies</b>						-	-	
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	-	-	
iii	Preparation of polished section	Nos	4.3.3	1,185	10	11,850	-	-	
ii	petrographic/ore microscopic study	Nos	4.3.4	4,232	10	42,320	-	-	

v	Digital Photographs	Nos	4.3.7	280	10	2,800	-	-	
	XRD	Nos	4.5.1	4,000	10	40,000	6	24,000	
	Determination of insitu bulk density	Nos	4.1	3,540	10	35,400	12	42,480	
<b>Sub Total G</b>						<b>42,71,223</b>		<b>37,38,405</b>	
<b>H</b>	<b>Total A to H</b>					<b>1,84,80,403</b>		<b>1,49,43,591</b>	
<b>I</b>	<b>Geological Report Preparation</b>	<b>5 Hard copies with a soft copy</b>	<b>5.2</b>	Exploration cost exceeding 50 lakh but less than 150 lakh : A Minimum of ₹2.5 lakh or 5% of the work whichever is more		<b>9,24,020</b>		<b>7,47,180</b>	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
<b>J</b>	<b>Peer review Charges</b>		<b>As per EC decision</b>			-		<b>30,000</b>	
<b>K</b>	<b>Preparation of Exploration Proposal (5 Hard copies with a soft copy)</b>	<b>5 Hard copies with a soft copy</b>	<b>5.1</b>	2% of the Cost or Rs. 5.0 Lakhs whichever is less		<b>3,69,608</b>		<b>2,98,872</b>	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
<b>L</b>	<b>Total Estimated Cost without GST</b>					<b>1,97,74,031</b>	-	<b>1,60,19,642</b>	
<b>M</b>	<b>Provision for GST (18% of J)</b>					<b>35,59,326</b>	-	<b>28,83,536</b>	GST will be reimburse as per actual and as per notified prescribed rate
<b>N</b>	<b>Total Estimated Cost with GST</b>					<b>33,33,357</b>	-	<b>1,89,03,178</b>	
				<b>or Say Rs. In Lakhs</b>		<b>233.33</b>	-	<b>189.03</b>	

<b>Note:</b>	
<b>1</b>	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.
<b>2</b>	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.
<b>3</b>	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.
<b>4</b>	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
<b>5</b>	Any item of work not mentioned above shall be added as per SoC.
<b>6</b>	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.
<b>7</b>	The recommendations are for purpose of initiating the project. The final costing will be done after the revised SoC of NMET is issued




**Agenda 22.3.2 Reconnaissance Survey (G4) for Graphite in Korapara Area, Bankura District, West Bengal.**

**[Implementing Agency: M/s MMPL Pvt. Ltd]**

- a) The project was recommended by 3rd TCC-II held on 5<sup>th</sup> and 6<sup>th</sup> December 2024 and approved in 39<sup>th</sup> EC held on 24/01/2025 with an approved cost of ₹122.34 Lakh (including GST) for 10 months up to 24/11/2025. In the 1st PSC the proposal was deferred seeking justification for proposed additional quantum of work.
- b) MMPL informed that geological mapping, sampling (BRS) and geophysical survey has been done. Three (3) trenches have been completed so far. Values of fixed carbon ranges from 3.49% to 6.11%. Seven (7) numbers of boreholes have been planned for drilling. The agency proposed additional drilling of 150m, trenching of 33 cum, sampling 33 for Graphite, proximate analysis 13, BH pillaring 2, Raman Spectroscopy 8 nos. and drill core preservation 100 nos.
- c) In the 11<sup>th</sup> TCC-II meeting, the committee agreed with the additional quantum of work in the project. and recommended the proposal for the approval of EC for “additional drilling of 150m, trenching of 33 cum, sampling 33 for Graphite, proximate analysis 13, 26 BH pillaring 2, Raman Spectroscopy 8 nos. and drill core preservation 100m” with revised cost of ₹153.11 Lakh (including GST) against initial approved cost of ₹122.34 Lakh (including GST).
- d) The agency has also requested inclusion of “Purulia District” in the title of the approved project, as certain portions of the project area also fall within Purulia District. The proposed project title is **“Reconnaissance Survey (G4) for Graphite in Korapara Area, Purulia & Bankura District, West Bengal.”**
- e) The agency also requested for Timeline extension for 6 months up to 9<sup>th</sup> June 2026.
- f) In the 1st PSC the proposal was deferred seeking justification for additional quantum of Geophysical work.
- g) Out of 7 nos. of proposed boreholes the TCC-II agreed for drilling in 5 boreholes except for BH3 and BH7. Further drilling will be decided after the review of the results of revised GP survey as suggested by the committee.
- h) The committee advised the agency to submit justification for delay in project completion and justification for additional quantum of work (trenching work and Laboratory Studies) to NMEDT.

**Recommendation TCC-II**

- **The Committee recommended the proposal for approval of PSC for inclusion of the proposed district name “Purulia” in the project title, as “Reconnaissance Survey (G4) for Graphite in Korapara Area, Purulia & Bankura Districts, West Bengal.”**
- **The committee recommended the proposal for approval of PSC for timeline extension for 6 months up to 9th June 2026.**
- **The item has also been recommended to PSC for approval of revised cost from ₹122.34 lakh to ₹ 124.82 lakh, due to change in quantum of trenching work and Laboratory Studies, Annexure-5.**

**Revised cost of Reconnaissance Survey (G4) for Graphite in Korapara Area, Purulia & Bankura Districts, West Bengal.**

Total area: 16.25 sq. km, Period of Completion: 10months, No. of BH:5; Review: after 5 months.

Implementing Agency - M/s MMPL Pvt. Ltd

Sl. Nos.	Item of work	Unit	Rates as per SoC		Estimated Cost of the Proposal		revised Cost		Remark
			SoC-Item-SI No	Quantity	Rates as per SoC	Total	Revised Quantity	Total	
1	<b>Geological Mapping (on 1:12,500) (16 sq. km)</b>								
	(a) Charges for Geologist in field (without labourer)	per day per Geologist	1.2. b	120	11,000	1320000	120	1320000	
	(b) Charges for Geologist at Headquarters	per day per Geologist	1.2. a	60	9,000	540000	60	540000	
	(c) Wages for 2 labourers for geologist	per day	5.7	240	526	126240	240	126240	
2	<b>Land/Crop compensation</b>	per borehole	5.6	5	20000	100000	5	100000	
3	<b>Geochemical sampling (Bedrock sampling)</b>	150nos (BRS:50 & PT:100)						0	
4	<b>Geophysical survey (SP survey 5 L.km)</b>	5 L.km						0	
	(a) Charges for 1 Geophysicist in field (without labourer)	per day	3.18b	0	11000	0	0	0	
	(b) Charges for 1 Geophysicist at Headquarters	per day	3.18a	30	9000	270000	30	270000	
	(c) Wages for 4 labourers in field with geophysicist	per day	5.7	0	504	0	0	0	

	(d) Charge for Gravity survey	per station	3.1a.i	0	3800	0	0	0
	(e) Charge for Magnetic survey	per station	3.2a.i	0	1800	0	0	0
	(f) Charge for SP survey	per L.km	3.3a	5	29600	148000	5	148000
5	<b>Survey work</b>							0
	(a) Surveyor Charges (without labourer)	per day	1.6.1a	0	8300	0	0	0
	(b) Labour(4nos) charges for survey work	per day	5.7	0	504	0	0	0
6	<b>Technological Survey</b>							0
	(a) Pitting (Where BRS are not available)	per cu m	2.1.2	50	3800	190000	0	0
	(a) Trenching	per cu m	2.1.1	100	3330	333000	150	499500
	(b) Drilling	per m in soft rock	2.2.1.4a	300	11500	3450000	300	3450000
	(c) Borehole pillaring (construction of concrete pillar) 12 inches x12 inches x 30 inches	per borehole	2.2.7a	5	2000	10000	5	10000
	(d) Transportation of Drill Rig and truck(to and from Headquarter s or Previous drill site)	per km	2.2.8	900	36	32400	900	32400
	(e) Drilling camp setting cost	per drill	2.2.9a	1	250000	250000	1	250000
	(f) Drilling camp winding cost	per drill	2.2.9a	1	250000	250000	1	250000
	(g) Monthly accommodation charges for drilling camp	per month	2.2.9	2	50000	100000	2	100000
	(h) Approach road making to drill site (as per actual)	per km	2.2.10	5	22020	110100	5	110100
	l) DGPS Survey for BH fixation & RL determination	Per Point of observation	1.6.2	-	19,200	-	5	96000
7	<b>Laboratory Studies</b>							0

	(a) Proximate analysis for graphite (BRS: 50; PT: 133; BH Core: 200)	per sample	4.1.16	250	3000	750000	281	843000	revised sample break up (BRS: 50; PT: 133; BH Core: 200)
	(a) Proximate analysis for graphite 10% external check	per sample	4.1.16	25	3000	75000	28	84000	
	(b) Analysis for associated trace element (Vanadium)					0		0	
	(c) Analysis for associated REE+ Vanadium (ICPMS 14 elements)	per sample	4.1.13	150	5380	807000	150	807000	
	(d) Petrochemical studies (PCS)	per sample	4.1.15a	10	4200	42000	10	42000	
8	<b>Petrographic studies</b>							0	
	(a) Preparation of thin sections	per sample	4.3.1	10	2353	23530	10	23530	
	(b) Study of thin sections	per sample	4.3.4	10	4232	42320	10	42320	
	Whole Rock Analysis by XRF	per sample	4.1.1.5a	10	4200	42000	10	42000	
	Sampler		1.5.2	45	5100	229500	45	229500	
	Labour		5.7	180	526	94680	180	94680	
9	<b>Mineral Physics</b>								
	RAMAN spectroscopy study per hour	per hour	4.5.1	2700			8	21600	As per new SOC dated 15.12.2025
10	<b>Bulk Density/specific gravity Determination</b>	per sample	4.8.1	5	1605	8025	5	8025	
	<b>Drill core preservation (1 bh+ mineralised zone : as per actual)</b>	per m	5.3	200	1590	318000	200	318000	
	<b>Total</b>					9661795		<b>9857895</b>	
11	<b>Geological Report preparation (5 hard copies with a soft copy)</b>	cost per 5 hard copies along with soft copy	5.2	As the exploration cost is exceeding 50 lakhs but less than 150 lakhs.		483090		492895	
12	<b>Peer Review</b>	lumpsum	as per EC decision	1	30000	30000	1	30000	

13	<b>Preparation of exploration proposal (5 hard copies with a soft copy)</b>	one number (5 hard copies) along with soft copies	5.1	2% of approved project cost or 5lakh, whichever is lower	193236	1	197158
	<b>Grand Total of estimated cost:</b>				₹ 1,03,68,120.65		₹ 1,05,77,947.65
	<b>GST 18%</b>				₹ 18,66,261.72		₹ 19,04,030.58
	<b>Grand Total including 18%GST</b>				₹ 1,22,34,382.37		₹ 1,24,81,978.23
	<b>Total</b>				<b>122.34</b>		<b>₹ 124.82</b>
<b>Note:</b>							
<b>1</b>	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
<b>2</b>	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.						
<b>3</b>	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.						
<b>4</b>	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
<b>5</b>	Any item of work not mentioned above shall be added as per SoC.						
<b>6</b>	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						
<b>7</b>	The recommendations are for purpose of initiating the project. The final costing will be done after the revised SoC of NMET is issued						

**Agenda 22.3.3 Reconnaissance Survey (G4) for Graphite in Korapara East Area, Bankura District, West Bengal.**

**[Implementing Agency: M/s MMPL Pvt. Ltd**

- a) The project was recommended in 39<sup>th</sup> EC meeting held on 24<sup>th</sup> January 2025 with timeline of 10 months. The sanction order was issued on 10<sup>th</sup> February 2025 with approved cost was ₹125.17 lakhs.
- b) During 13<sup>th</sup> TCC-II meeting, the agency had informed that geological mapping on 1:12,500 scales has been done, and graphite bands have been mapped. The results of seven groove line samples show average FC percentage value greater than 5% to maximum of 8% . Similarly, the results of the trench samples show FC average value greater than 5% to maximum of 10.48%.
- c) In 13<sup>th</sup> TCC-II meeting held on 22<sup>nd</sup>, 23<sup>rd</sup> & 24<sup>th</sup> September 2025, the agency had proposed reconnaissance survey of 14.10 sq. km area for Graphite in Katiam area, Bankura District, West Bengal, which was adjacent to ongoing Korapara East Area, Bankura District, West Bengal of the same agency. In view of this, the committee opined that the Katiam area may be added to the east of this block area, targeting the north and south limbs which appear to be folded graphitic bands in Korapara east block. So, the committee recommended the merger of proposed Kaitam area with the Korapara east block to optimize the drilling cost and to check the subsurface continuity of mapped graphitic bands.
- d) . However, the PSC referred back the proposal to TCC-II for reviewing the addition of area.
- e) The agency informed that all the work components of the project have been completed. However, there was a delay due to Forest Clearance Process which was received on 29<sup>th</sup> January 2026. Timeline extension was also requested by the agency for 6 months up to 9<sup>th</sup> June 2026.
- f) The TCC-II Committee observed that the results of the SP survey are ambiguous and lacks clarity for proper interpretation. The Committee advised the agency to revisit and revise the SP survey, acquire good-quality and reliable SP data, and present the updated results in the forthcoming TCC-II meeting for further review and consideration.
- g) Out of 7 nos. of proposed boreholes the TCC-II agreed for drilling in 6 boreholes except BH2. The committee advised the agency to submit justification for delay in project completion and justification for addition of area to NMEDT.

**Recommendation TCC-II**

- **The committee recommended the proposal for approval of PSC for timeline extension for 6 months up to 9th June 2026.**
- **The item has also been recommended to PSC for approval of revised cost from ₹125.17 lakh to ₹ 170.47 lakh, due to addition of area to optimize the drilling cost and to check the subsurface continuity of mapped graphitic bands. Annexure-6.**

**Revised cost of Reconnaissance survey for Graphite in Korapara East Area, Bankura District, West Bengal**  
**Implementing Agency- M/s MMPL Pvt. Ltd**

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

**Total Revised area: 37.41 sq km, Revised Period of Completion: 16 months, Revised No. of Bh:12**

Sl. Nos.	Item of work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		revised quantum for running block	quantity for additional area of Katiam block	Cumulative revised quantity	Revised Cost	Justification for additional quantum
			SoC-Item-SI No	Quantity	Rates as per SoC	Total					
1	Geological Mapping (on 1:12,500) (30.68) sq km)	Sq Km						6.73	37.41		
	(a) Charges for Geologist in field (without labourer)	per day per Geologist	1.2. b	180	11,000	1980000	180	20	200	2200000	19 mandays for geological mapping, 23 mandays for trenching and bed rock sampling, 58 mandays for drilling
	(b) Charges for Geologist at Headquarters	per day per Geologist	1.2. a	60	9,000	540000	60	0	60	540000	
	(c) Wages for 2 labourers for geologist	per day	5.7	360	526	189360	360	40	400	210400	
2	Land/Crop compensation	per borehole	5.6	5	20000	100000	6	5	11	220000	
3	Geochemical sampling (Bedrock sampling)								0	0	150nos (BRS:50 & PT:100)

4	Geophysical survey (SP survey 5 L.km)	10 L.km						0	0	0	
	(a) Charges for 1 Geophysicist in field (without labourer)	per day	3.18b	0	11000	0	0	0	0	0	
	(b) Charges for 1 Geophysicist at Headquarters	per day	3.18a	30	9000	270000	30	0	30	270000	
	(c) Wages for 4 labourers in field with geophysicist	per day	5.7	0	504	0	0		0	0	
	(d) Charge for Gravity survey	per station	3.1a.i	0	3800	0	0		0	0	
	(e) Charge for Magnetic survey	per station	3.2a.i	0	1800	0	0		0	0	
	(f) Charge for SP survey	per L.km	3.3a	10	29600	296000	10	2	12	355200	35 profile line of 150 m length to cover a strike length of 3500 m
5	Survey work								0	0	
	(a) Surveyor Charges (without labourer)	per day	1.6.1a	0	8300	0	0		0	0	
	(b) Labour(4nos) charges for survey work	per day	5.7	0	504	0	0		0	0	
6	Technological Survey						0		0	0	
	(a) Pitting (Where BRS are not available)	per cu m	2.1.2	0	3800	0	0		0	0	
	(a) Trenching	per cu m	2.1.1	100	3330	333000	100	80	180	599400	8 number of trenches of 10m×1m × 1m

	<b>(b) Drilling</b>	<b>per m in soft rock</b>	<b>2.2.1.3a</b>	<b>350</b>	<b>10100</b>	<b>3535000</b>	<b>350</b>	<b>100</b>	<b>450</b>	<b>4545000</b>	<b>5 borehole of 60 m length each</b>
	<b>(c) Borehole pillaring (construction of concrete pillar) 12 inches x12 inches x 30 inches</b>	<b>per borehole</b>	<b>2.2.7a</b>	<b>5</b>	<b>2000</b>	<b>10000</b>	<b>6</b>	<b>5</b>	<b>11</b>	<b>22000</b>	
	<b>(d) Transportation of Drill Rig and truck(to and from Headquarter s or Previous drill site)</b>	<b>per km</b>	<b>2.2.8</b>	<b>250</b>	<b>36</b>	<b>9000</b>	<b>250</b>	<b>250</b>	<b>500</b>	<b>18000</b>	
	<b>(e) Drilling camp setting cost</b>	<b>per drill</b>	<b>2.2.9a</b>	<b>1</b>	<b>250000</b>	<b>250000</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>500000</b>	
	<b>(f) Drilling camp winding cost</b>	<b>per drill</b>	<b>2.2.9a</b>	<b>1</b>	<b>250000</b>	<b>250000</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>500000</b>	
	<b>(g) Monthly accommodation charges for drilling camp</b>	<b>per month</b>	<b>2.2.9</b>	<b>2</b>	<b>50000</b>	<b>100000</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>200000</b>	
	<b>(h) Approach road making to drill site (as per actual)</b>	<b>per km</b>	<b>2.2.10</b>	<b>5</b>	<b>22020</b>	<b>110100</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>154140</b>	
	<b>I) DGPS Survey for BH fixation &amp; RL determination</b>	<b>Per Point of observation</b>	<b>1.6.2</b>	<b>-</b>	<b>19,200</b>	<b>-</b>	<b>6</b>	<b>5</b>	<b>11</b>	<b>211200</b>	
<b>7</b>	<b>Laboratory Studies</b>								<b>0</b>	<b>0</b>	
	<b>(a) Proximate analysis for graphite (BRS: 100; PT: 75; BH Core: 120)</b>	<b>per sample</b>	<b>4.1.16</b>	<b>295</b>	<b>3000</b>	<b>885000</b>	<b>320</b>	<b>125</b>	<b>445</b>	<b>1335000</b>	<b>BRS/channel samples= 100+20 nos, Trench samples=100+80, Core samples=140+100</b>
	<b>(b) Proximate analysis for graphite 10% external check</b>	<b>per sample</b>	<b>4.1.16</b>	<b>30</b>	<b>3000</b>	<b>90000</b>	<b>32</b>	<b>13</b>	<b>45</b>	<b>135000</b>	

	c) Analysis of one rock/ soil sample for determination of a package by 34 elements by ICPAES / ICPMS (sequential technique)+10 % Check	per sample	4.1.14	22	7731	170082	22	11	33	255123	
8	Petrographic studies								0	0	
	(a) Preparation of thin sections	per sample	4.3.1	10	2353	23530	10	3	13	30589	
	(b) Study of thin sections	per sample	4.3.4	10	4232	42320	10	3	13	55016	
	Whole Rock Analysis by XRF	per sample	4.1.1.5a	10	4200	42000	10	3	13	54600	
	Sampler		1.5.2	45	5100	229500	45	30	75	382500	
	Labour		5.7	180	526	94680	180	120	300	157800	
9	Bulk Density/specific gravity Determination	per sample	4.1	5	3540	17700	5	0	5	17700	
10	Drill core preservation (1 bh+ mineralised zone : as per actual)	per m	5.3	200	1590	318000	225	0	225	357750	
	TGC (Total Graphitic Carbon)	per sample	-		2500	0	20	0	20	50000	As per Actual
	Total					9885272				13376418	
11	Geological Report preparation (5 hard copies with a soft copy)	cost per 5 hard copies along with soft copy	5.2	As the exploration cost is exceeding 150 lakh but less than 300 lakh: a minimum of 7.5 lakh or 3% of the work whichever is more		494264				668821	

12	Peer Review	lumpsum	as per EC decision	1	30000	30000			30000
13	Preparation of exploration proposal (5 hard copies with a soft copy)	one number (5 hard copies) along with soft copies	5.1	2% of approved project cost or 5lakh, whichever is lower	197705				267528
	<b>Grand Total of estimated cost:</b>					<b>1,06,07,241.04</b>			<b>1,43,42,767.26</b>
	<b>GST 18%</b>					<b>₹ 19,09,303.39</b>			<b>25,81,698.11</b>
	<b>Total</b>					<b>1,25,16,544.43</b>			<b>1,69,24,465.37</b>
	<b>Charges of forest clearance paid to forest department (Reimbursement against the charges raised by Forest deopartment Westbengal subject to submission of receipt)</b>								<b>1,22,343.00</b>
	<b>Grand total</b>					<b>1,25,16,544.43</b>			<b>1,70,46,808.37</b>
	<b>or Say Rs. In Lakhs</b>					<b>₹ 125.17</b>			<b>₹ 170.47</b>
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. The final costing will be done after the revised SoC of NMET is issued								

**Agenda 22.3.4 Reconnaissance Survey (G4) for Limestone in and around Amanganj–Gunnor–Pawai area, Panna District, Madhya Pradesh.**

**[Implementing Agency: M/s Engeotech Consultant]**

- a. The proposed Reconnaissance Survey (G4) area of 93.13 sq. km. falls in Survey of India Toposheet numbers 63D/3 & 63D/7 in parts of Panna District, Madhya Pradesh. This project was given in principle approval in 5<sup>th</sup> TCC-II meeting.
- b. The project was recommended in 7<sup>th</sup> TCC-II meeting held on 24<sup>th</sup> and 25<sup>th</sup> March 2025 and approved in 42<sup>nd</sup> EC held on 02<sup>nd</sup> June 2025 with an approved cost of ₹ 86.22 Lakh (including GST). The sanction order was issued on 01 July 2025 with the time schedule of 10 months up to 31<sup>st</sup> May 2026. Total 250 meterage of drilling was approved for 5 boreholes.
- c. The TCC-II Committee approved commencement of drilling in Borehole Nos. 1, 2, and 5. Further drilling shall be undertaken only after review of the results and subsequent approval of the Committee.

***Recommendation TCC-II***

**The TCC-II Committee agreed for commencement of drilling in BH nos. 1, 2 and 5. Further drilling will be decided after review.**

**Agenda 22.3.5 Reconnaissance Survey (G4) for Gold in Hurungdah-TamarRanchi-Arki-Khunti-Kuchai Area, Saraikela-Kharsawan District, Jharkhand.**

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

- a) The proposed Reconnaissance Survey (G4) area of 16.57 sq. km. falls in Survey of India Toposheet number 73F/09 (OSM no. F45H9) in parts of Saraikela-Kharsawan District, Jharkhand. The block falls in Forest Area.
- b) The project was recommended in 6<sup>th</sup> TCC-II meeting held on 27<sup>th</sup> and 28<sup>th</sup> February and 6<sup>th</sup> March 2025 and approved in 41<sup>st</sup> EC held on 11<sup>th</sup> March 2025 with an approved cost of ₹ 215.52 Lakh (including GST). The sanction order was issued on 19<sup>th</sup> March 2025 with the time schedule of 10 months up to 18<sup>th</sup> January 2026.
- c) JEMCL informed that progress of project work has been delayed due to local resistance in the area
- d) and requested for timeline extension of 2 months up to 30<sup>th</sup> April 2026 for project completion.
- e) The committee opined that no further work is required to be done as the values from analytical results are very insignificant. Future TCC-II Committee recommended for pre closure of the project and submission of the final geological report.

***Recommendation TCC-II***

- **The committee recommended the proposal for approval of PSC for timeline extension for 2 months up to 30<sup>th</sup> April 2026.**
- ***The item has also been recommended to PSC for approval of the revised project cost from ₹215.52 lakh to ₹13.54 lakh due to pre-closure of the project, along with submission of the Final Geological Report as per Annexure-7.***

**Revised Cost for Reconnaissance Survey (G4) for Gold in Hurungdah-TamarRanchi-Arki-Khunti-Kuchai Area, Saraikela-Kharsawan District, Jharkhand.**  
**Area - 16.57 sq. km, No of BH - 5, BH Depth Range - 200m, Schedule timeline - 18 Months, Review - After 6 Months**  
**Implementing Agency - JEMCL**

S. N.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal	
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)		
<b>A</b>	<b>GEOLOGICAL MAPPING, SAMPLING AND SURVEYING DAYS</b>							
<b>1</b>	<b>Geological Mapping (1:12,500), &amp; Sampling</b>							
a	Charges for one Geologist per day at field	day	1.3	11000	100	1100000	66	726000
b	Labour for Geologist (4 Nos. i.e. 2 workers/geologist) Base rate - 526	day	5.7	526	200	105200	112	58912
c	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5100	180	918000	20	102000
d	Labours for sampling work	day	5.7	526	720	378720	20	10520
<b>2</b>	<b>Survey (on 1:12,500 Scale)</b>						0	0
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		0
b	Charges of one Surveyor (1 Party)	one surveyor per day	1.6.1a	8300	0	0		0
c	Labours (2 Nos) Base rate - Rs. 522 (Unskilled)	day	5.7	522	0	0		0
<b>3</b>	<b>Trenching</b>	cu.m	2.1.3	3330	67	223110		0
	<b>Sub-Total A</b>					<b>2936230</b>		<b>897432</b>
<b>B</b>	<b>DRILLING (Outsourcing)</b>							0
a	Drilling - Hard Rock	m	2.2.1.5a	11500	1000	11500000	0	0
b	Borehole Deviation Survey	m	2.2.6	330	0	0	0	0
c	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2000	0	0	0	0
d	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	0	0	0	0

e	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50000	0	0	0	0
f	Drilling Camp Setting Cost	Nos	2.2.9a	250000	0	0	0	0
g	Drilling Camp Winding up Cost	Nos	2.2.9b	250000	0	0	0	0
h	Road Making (Flat Terrain)	Km	2.2.10a	22020	0	0	0	0
e	Drill Core Preservation	per m	5.3	1590	500	795000	0	0
	<b>Sub Total B</b>					<b>12295000</b>		<b>0</b>
<b>C</b>	<b>LABORATORY STUDIES (Outsourcing)</b>							
i)	<b>Chemical Analysis</b>							
a	5% of total bore-hole samples for trace and REE analysis under 34 element package analysis through ICP-MS	Nos	4.1.14	7731	25	193275		0
b	<b>Check samples Internal (5%) and External(10%)</b> - 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		0
c	Gold analysis by <b>AAS</b> (Atomic Absorption Spectrometry) method for bed rock, drill core, soil, trench and stream sediment samples.	Nos	4.1.6	1557	240	373680	33	51381
d	<b>Check samples External(10%)</b> - for Gold analysis by AAS method of bed rock, drill core, soil, trench and stream sediment samples.	Nos	4.1.6	1557	24	37368		0
ii)	<b>Petrological/Mineralogical studies</b>							0
a	Preparation of thin section	Per Samples	4.3.1	2353	10	23530		0
b	Study of Thin Section	Per Samples	4.3.4	4232	10	42320		0
c	Preparation of polish section	Per Samples	4.3.2	1549	10	15490		0
d	Study of polish Section	Per Samples	4.3.4	4232	10	42320		0
e	Digital photomicrograph of thin-polish setions	Per Samples	4.3.7	280	10	2800		0
	<b>Total - C</b>					<b>753976</b>		<b>51381</b>
<b>D</b>	<b>Sub Total (A to C)</b>					<b>15985206</b>		<b>948813</b>

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	750000		1,50,000
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		18976
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
J	Total Estimated Cost without GST	Approx.			18264910		1147789
K	Provision for GST (18% of H)	%			3287684		206602
L	Total Estimated Cost with GST				21552594		1354391
				or Say Rs. In Lakhs	215.52		13.54
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. The final costing will be done after the revised SoC of NMET is issued						

**Agenda 22.3.6 Reconnaissance (G4) for Gold in Jojobera-Ulihurang Area, Arki Block, Khunti District, Jharkhand.**

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

- a) JEMCL informed that the block was discussed and recommended in 3<sup>rd</sup> meeting of TCC-II, NMET, held in 5<sup>th</sup> and 6<sup>th</sup> December 2024 and approved in 39<sup>th</sup> EC meeting held in 24/01/2025 with approved cost of ₹113.00 Lakh (including GST) within the time schedule of 10 Months (up to 23/12/2025).
- b) The agency informed that geological mapping in 1:12,500 scale of 10.61 sq. km. area has been completed. Sampling of 242 nos. of Bed Rock Samples (BRS) and 5 nos. of Stream Sediment Samples (SSS) have also been done, out of which analytical results for 180 BRS samples have been received. Since, there is a delay in project completion due to local issues, timeline extension of 2 months up to 30<sup>th</sup> April 2026 was requested by the agency.
- c) The committee opined that no further work is required to be done as the values from analytical results are very insignificant.
- f) Future TCC-II Committee recommended for pre closure of the project and submission of the final geological report.
- g) The Committee noted that the data presented by the agency during the presentation of the progress in project work, did not match the data reflected in the revised cost sheet. The Committee sought clarification from the agency regarding the discrepancy and directed them to provide a detailed explanation for the apparent misrepresentation of data in the revised project costing

***Recommendation TCC-II***

- **The committee recommended the proposal for approval of PSC for timeline extension for 2 months up to 30<sup>th</sup> April 2026.**
- ***The item has also been recommended to PSC for approval of the revised project cost from ₹113.32 lakh to ₹25.99 lakh due to pre-closure of the project, along with submission of the Final Geological Report as per Annexure-8.***
- ***The Committee observed discrepancies between the data presented during the project progress presentation and the figures reflected in the revised cost sheet. The agency was asked to clarify the inconsistencies and furnish a detailed justification addressing the discrepancies in the revised project costing.***



**Revised Cost for Reconnaissance (G4) for Gold in Jojobera-Ulihurang Area, Arki Block, Khunti District, Jharkhand.  
Implementing Agency - JEMCL**

S. N.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Revised Cost Total			Remarks
			SoC-Item -Sl No.	Rates as per SoC	Qty.	Total Amount (Rs) (A)	Rates as per SoC	Qty.	Total Amount (Rs) (B)	
<b>A</b>	<b>GEOLOGICAL MAPPING, SAMPLING AND SURVEYING DAYS</b>									
<b>1</b>	<b>Geological Mapping (1:10000) &amp; Sampling</b>						0	0	0	
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	224	117824	Amount will be reimbursed as per the notified rates by the central labour commissioner or respective state govt. whichever is higher
c	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5100	67	341700	5100	65	331500	
d	Labours for sampling work (4 Nos) Base rate	day	5.7	526	268	140968	526	130	68380	Amount will be reimbursed as per the notified rates by the central labour commissioner or respective state govt. whichever is higher
<b>2</b>	<b>Survey (on 1:10000 Scale) (Outsourcing)</b>						0	0	0	
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	Borehole-05, Corner Points - 06Trench - 85 {85x5(4 Corner & 1 Center for RL)=425}

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	
<b>3</b>	<b>Trenching</b>	cu.m	2.1.3	3330	200	666000	3330	0	0	Trenching - 200 cu
	<b>Sub-Total A</b>					<b>2748508</b>			<b>1507704</b>	
<b>B</b>	<b>DRILLING (Outsourcing)</b>						0		0	
a	Drilling -Very Hard Rock	m	2.2.1.5a	11500	400	4600000	11500		0	
b	Borehole Deviation Survey	m	2.2.6	330	0	0	330		0	
c	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2000	0	0	2000		0	
d	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	0	0	36		0	
e	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50000	0	0	50000		0	
f	Drilling Camp Setting Cost	Nos	2.2.9a	250000	0	0	250000		0	
g	Drilling Camp Winding up Cost	Nos	2.2.9b	250000	0	0	250000		0	
h	Road Making (Flat Terrain)	Km	2.2.10a	22020	0	0	22020		0	Road making will be considered as per the requirement and Road making charges will be reimbursed accordingly
e	Drill Core Preservation	per m	5.3	1590	40	63600	1590		0	
	<b>Sub Total B</b>					<b>4663600</b>			<b>0</b>	
<b>C</b>	<b>LABORATORY STUDIES (Outsourcing)</b>						0	0	0	
<b>i)</b>	<b>Chemical Analysis</b>						0	0	0	
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	<b>Check samples Internal (5%) and External (10%)</b> - 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	305	474885	
d	<b>Check samples Internal (5%) and External (10%)</b> - 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	
ii)	<b>Petrological/Mineralogical studies</b>						0		0	
	<b>Total - C</b>					<b>1162376</b>			<b>474885</b>	
<b>D</b>	<b>Sub Total (A to C)</b>					<b>8574484</b>			<b>1982589</b>	
<b>E</b>	<b>Geological Report Preparation</b>		<b>5.2</b>	Short term investigation/ Reconnaissance Survey/ Preliminary exploration/General exploration/Detailed exploration up to ₹50 lakh: Minimum ₹1.50 lakh or 5% of the total value of work whichever is more		<b>257235</b>			<b>150000</b>	
<b>F</b>	<b>Preparation of Exploration Proposal</b>	<b>5 Hard copies with a soft copy</b>	<b>5.1</b>	2% of the Cost or Rs. 3.8 Lakhs whichever is lower		<b>171490</b>			<b>39652</b>	
	<b>Tender Processing Cost</b>		<b>2.3</b>			<b>95060</b>			<b>0</b>	2% of (Rs. 1,53,000 + Rs. 46,00,000).

	Operation Charges		6		475300		0	10% upto Rs. 50 Lakh of outsource component.
G	Peer review Charges		As per EC decision		30000		30000	
H	Total Estimated Cost without GST	Approx.			9603568		2202241	
I	Provision for GST (18% of H)	%			1728642		396403	
J	Total Estimated Cost with GST				11332210		2598644	
				<i>Rs. In Lakhs</i>	113.32		25.99	
<b>Note:</b>								
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 22.3.7 Reconnaissance Survey (G4) for mineral-Rock Phosphate in Randha, Jaisalmer District, Rajasthan.**

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

- a. FAGMIL informed that the project was approved in the 36<sup>th</sup> EC Meeting held on 29<sup>th</sup> July 2024. The sanction order was issued on 13<sup>th</sup> September 2024 with timeline of 12 months (up to 12.09.2025) and approved cost was INR 1,37,44,269/-
- b. The project was reviewed in 6<sup>th</sup> TCC-II and 13<sup>th</sup> TCC-II.
- c. The agency informed that geological mapping on 1:12,500 scale of 38.5 sq. km. area along with topographical mapping with 5m contour interval has been completed. Analytical results showed maximum value of 1.67% for P<sub>2</sub>O<sub>5</sub>. Since the value of P<sub>2</sub>O<sub>5</sub> is less than 2% resource estimation was not done. However, the values for V<sub>2</sub>O<sub>5</sub> ranges from 126ppm to 666ppm in this area.
- d. Further, the agency informed that the final geological report has been peer reviewed. However, there is a delay due to suggestion of peer reviewer for re-analysis of 20 samples. So, the agency requested for timeline extension up to 15<sup>th</sup> February 2026 for submission of final GR.

***Recommendation TCC-II***

***The committee recommended the proposal for approval of PSC for timeline extension for 1 month up to 15<sup>th</sup> February 2026.***

**Agenda 22.3.8 Reconnaissance Survey (G-4) for Gold, copper, graphite and associated minerals in Jamtola-Khandapar Block (96.62 sq.km.), Balaghat district, Madhya Pradesh.**

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

- a) MECL informed that the project was recommended in 57<sup>th</sup> TCC meeting held on 26<sup>th</sup> & 27<sup>th</sup> September 2023 and approved in the 32<sup>nd</sup> EC Meeting held on 6<sup>th</sup> December 2023. The sanction order was issued on 12<sup>th</sup> December 2023 with timeline of 12 months up to 11.12.2024 and approved cost was ₹216.30 Lakh. Timeline extension of 6.5 months up to 30.06.2025 was recommended in 3<sup>rd</sup> TCC-II meeting held on 5<sup>th</sup> & 6<sup>th</sup> December 2024 and approved in the 39<sup>th</sup> EC Meeting held on 24<sup>th</sup> January 2025. The project was reviewed in 5<sup>th</sup> TCC-II meeting held on 27<sup>th</sup>, 28<sup>th</sup> & 29<sup>th</sup> January 2025 and additional drilling was recommended with revised cost of ₹231.91 Lakh, and same was approved in the 40<sup>th</sup> EC Meeting held on 21<sup>st</sup> February 2025.
- b) In the 12<sup>th</sup> TCC-II meeting the agency proposed additional drilling and sampling and also requested for timeline extension of 8 months up to 11<sup>th</sup> February 2026. The committee agreed to recommend timeline extension of 7 months up to 11<sup>th</sup> February 2026.
- c) The agency informed that based on Phase-I work two (2) potential zones were identified namely 1<sup>st</sup> Khandapar (for Gold) and 2<sup>nd</sup> Karwahi (for Graphite). Geological mapping and geophysical survey work have been completed in this area. Drilling has been completed in one borehole and it is continuing in 2<sup>nd</sup> borehole. The agency requested for additional drilling and sampling. Timeline extension of 4 months up to 11<sup>th</sup> June 2026 was also requested by the agency.

- d) The TCC-II agreed for recommending Timeline extension of 4 months up to 11th June 2026. The committee opined that further drilling will commence after review of borehole core analysis results.

***Recommendation TCC-II***

- **The committee recommended the proposal for approval of PSC for timeline extension for 4 months up to 11th June 2026.**
- ***The item has also been recommended to PSC for approval of the revised project cost from ₹231.91 lakh to ₹239.53 lakh due to additional drilling Annexure-.9***
- ***Further committee opined that drilling will commence only after review of borehole core analysis results of earlier boreholes.***



**Revised Estimated cost for Reconnaissance survey (G4) for Gold, Copper Graphite and associated minerals in Jamtola-Khandapar Block, District: Balaghat , State: Madhya Pradesh. [Block area- 96.62 sq. km; Schedule timeline- 12 months]**

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Additional - Revised 2		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Amount (Rs)	Qty.	Amount	
<b>A</b>	<b>GEOLOGICAL WORK (1:12,500 scale)</b>								
i	Charges for one Geologist- Field	day	1.2	11,000	120	13,20,000	120	13,20,000	
ii	Charges for one Geologist per- HQ	day	1.2	9,000	60	5,40,000	60	5,40,000	
iii	2 labours/ party (Rs 443/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	494	240	1,18,560	240	1,18,560	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Sampling Party Days -1 Sampler Labour charge not included	day	1.5.2	5,100	66	3,36,600	66	3,36,600	
v	4 labours/ party (Rs 443/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	494	264	1,30,416	264	1,30,416	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
vi	Survey Party Days	day	1.6. 1a	8,300	10	83,000	10	83,000	
vii	4 labours for surveyor	day	5.7	494	40	19,760	40	19,760	
	<b>Sub Total- A</b>					<b>25,48,336</b>		<b>25,48,336</b>	
<b>B</b>	<b>GEOPHYSICAL SURVEY</b>								
i	I.P. cum Resistivity, S.P., Magnetic	Line Km	3.4b	14,48,693.0	3	36,21,733	3	36,21,733	25 Line Km is advised by TCC

ii	Charges for one Geophysicist per day at field	day	3.18	11,000	0	-	0	-	
iii	Charges for one Geophysicist per day at HQ	day	3.18	9,000	15	1,35,000	15	1,35,000	
<b>Sub Total- B</b>						<b>37,56,733</b>		<b>37,56,733</b>	
<b>C</b>	<b>PITTING AND TRENCHING</b>								
i	Trenching	Cu m	2.1.1	3330	200	6,66,000	200	6,66,000	(150 + 50 ) = (Gold + Graphite)
<b>Sub Total- C</b>						<b>6,66,000</b>		<b>6,66,000</b>	
<b>D</b>	<b>DRILLING</b>								
i	Drilling upto 300m (Hard Rock) (1 rigs)	m	2.2.1.4a	11,500	560	64,40,000	610	<b>70,15,000</b>	
ii	Borehole deviation Survey	m	2.2.6	330	560	1,84,800	610	<b>2,01,300</b>	
iii	Land / Crop Compensation	per BH	5.6	20,000	8	1,60,000	8	1,60,000	Amount will be reimbursed as per actuals or max. Rs. 20000 per BH with certification from local authorities
iv	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	8	16,000	8	16,000	
v	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	500	18,000	500	18,000	Certification in this regard is required to be provided
vi	Monthly Accommodation Charges for drilling Camp	month	2.2.9	50,000	2	1,00,000	2	1,00,000	
vii	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	1	2,50,000	
viii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	1	2,50,000	
ix	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	4	88,080	4	88,080	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed for max. 4 km.

x	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and by DGPS	Nos	1.6.2	19,200	5	96,000	5	96,000	
xi	Borehole core preservation-One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	250	3,97,500	250	3,97,500	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
<b>Sub Total- D</b>						<b>80,00,380</b>		<b>85,91,880</b>	
<b>E</b>	<b>LABORATORY STUDIES</b>								
<b>1</b>	<b>Chemical Analysis</b>								
i	<b>Bedrock/Channel/Stream/Trench/BH etc Samples) for Au and Ag</b>								
	a) Primary samples for Au by fire Assay and Ag by AAS	Nos	4.1.5a & 4.1.7a	4,886	460	22,47,560	470	22,96,420	200+100+100=400 (Surface + Trench + BH)
	b) Internal Check samples (5% of Primary samples)	Nos	4.1.5a	4,760	-	-			
	c) External Check sample (10% of Primary samples)	Nos	4.1.5a	4,760	46	2,18,960	47	2,23,720	
ii	<b>Bedrock/Channel/Stream/Trench/BH etc Samples) for 34 elements by ICP-MS</b>								
	d) 34 element Package analysis by ICP-MS	Nos	4.1.14	7,731	50	3,86,550	50	3,86,550	
iii	<b>Bedrock/Channel/Stream/Trench/BH etc Samples) for Graphite (Proximate Analysis)</b>								
	g) Primary samples for Graphite (Proximate Analysis)	Nos	4.1.16	3000	150	4,50,000	150	4,50,000	
	h) Internal Check samples (5% of Primary samples)	Nos	4.1.16	3000	0	-	-		
	i) External Check sample (10% of Primary samples)	Nos	4.1.16	3000	15	45,000	15	45,000	
iv	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	10	23,530	
v	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	10	42,320	

vi	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	10	15,490	
vii	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	10	42,320	
viii	Digital Photographs	Nos	4.3.7	280	10	2,800	10	2,800	
ix	Whole Rock Analysis (Major oxide and 8 additional trace elements)	Nos	4.1.15a & b	7,568	10	75,680	10	75,680	Must include V <sub>2</sub> O <sub>3</sub> due the presence of Graphite
x	Specific Gravity Determination	Nos	4.8.1	1,605	5	8,025	5	8,025	
	<b>Sub Total- E</b>					<b>35,58,235</b>		<b>36,11,855</b>	53,620
<b>F</b>	<b>Total A to E</b>					<b>1,85,29,684</b>		<b>1,91,74,804</b>	6,45,120.00
<b>G</b>	<b>Geological Report Preparation</b>		<b>5.2</b>	For the projects having cost exceeding Rs. 150 lakhs and less than Rs.300 lakhs - A minimum of Rs. 7.5 lakhs or 3% of the value of work whichever is more		<b>7,50,000</b>		<b>7,50,000</b>	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
<b>H</b>	<b>Peer review Charges</b>		<b>As per EC decision</b>			<b>30,000</b>		<b>30,000</b>	
<b>I</b>	<b>Preparation of Exploration Proposal (5 Hard copies with a soft copy)</b>	<b>5 Hard copies with a soft copy</b>	<b>5.1</b>	2% of the Cost or Rs. 5.0 Lakhs whichever is lower		<b>3,44,124</b>		<b>3,44,124</b>	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.
<b>K</b>	<b>Total Estimated Cost without GST</b>					<b>1,96,53,808</b>		<b>2,02,98,927.50</b>	
<b>J</b>	<b>Provision for GST (18% of I)</b>					<b>35,37,685.35</b>		<b>36,53,806.95</b>	GST will be reimbursed as per actual and as per notified prescribed rate
<b>K</b>	<b>Total Estimated Cost with GST</b>					<b>2,31,91,492.85</b>		<b>2,39,52,734.45</b>	
					<b>or Say Rs. In Lakhs</b>	<b>231.91</b>		<b>239.53</b>	

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. The final costing will be done after the revised SoC of NMET is issued						




**Agenda 22.3.9 Preliminary exploration (G-3 stage) for graphite in Patimal Block (4.00 sq.km), Balangir district, Odisha.**

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

- a) The project was recommended in 67<sup>th</sup> TCC meeting held on 24<sup>th</sup>, 25<sup>th</sup> & 26<sup>th</sup> July 2024 and approved in the 37<sup>th</sup> EC Meeting held on 23<sup>rd</sup> September 2024. The sanction order was issued on 22<sup>nd</sup> October 2024 with timeline of 12 months up to 21<sup>st</sup> October 2025 and approved cost was ₹207.65Lakh. The project was reviewed in 80<sup>th</sup> meeting of TCC-I held on 28<sup>th</sup>, 29<sup>th</sup> August 2025 and 1<sup>st</sup> September 2025.
- b) In the 19<sup>th</sup> TCC-II meeting, the agency requested for timeline extension of 8 months up to 20<sup>th</sup> June 2026. The committee recommended for timeline extension of 8 months up to 20<sup>th</sup> June 2026 and it was approved in 4<sup>th</sup> PSC.
- c) The committee observed that during trenching no graphite was intersected, surface graphite occurrences are sparse and confined to old workings. The committee further observed that no subsurface continuity has been established, due to lensoidal nature of mineralization observed in and around localized graphite may be present.
- h) The committee recommended for the closure of the project due to lack of encouraging values of graphite and revised the cost sheet.

***Recommendation TCC-II***

***The item has also been recommended to PSC for approval of the revised project cost from ₹207.65 lakh to ₹46.50 lakh due to pre-closure of the project, along with submission of the Final Geological Report as per Annexure-10.***



**Revised cost for Preliminary exploration (G-3 stage) for graphite in Patimal Block, Balangir district, Odisha.**

**[Block area- 4.00 sq. km; Nos. of Borehole- 10; Borehole depth range: 70-100 m; Schedule timeline- 12 months, Review after: 4 months]**

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Revised Cost Estimation		Remarks
			SoC-Item - SI No.	Rates as per SoC	Qty.	Amount (Rs)	Qty.	Amount (Rs)	
<b>A</b>	<b>GEOLOGICAL WORK</b>								
<b>1</b>	<b>Geological Mapping (1:2000), Borehole logging, sampling &amp; Report writing</b>								
i	Charges for one Geologist- Field	day	1.2	11,000	120	13,20,000	90	9,90,000	
ii	Charges for one Geologist - HQ	day	1.2	9,000	30	2,70,000	30	2,70,000	
iii	2 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	240	1,25,280	180	93,960	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	44	2,24,400	-	-	
v	4 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	176	91,872	-	-	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher

<b>2</b>	<b>Survey</b>								
i	Topographical Survey	day	1.6.1a	8300	30	249000	30	2,49,000	Topographical Survey on 1:2000 (2 m contour interval)
ii	4 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	120	62,640	120	62,640	
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	16	3,07,200	6	1,15,200	10 BHs and 6 boundary coordinates
<b>Sub Total- A</b>						<b>26,50,392</b>		<b>17,80,800</b>	
<b>B</b>	<b>GEOPHYSICAL SURVEY</b>								
i	Self Potential	Line Km	3.3b	29600	30	8,88,000	30	8,88,000	Tentative 4.00 sq km area for Geophysical Survey at 100 m traverse interval i.e. 30Line Km.
ii	Charges for one Geophysicist- Field	day	3.18	11000	0	-	0	-	
iii	Charges for one Geophysicist - HQ	day	3.18	9000	15	1,35,000	15	1,35,000	
iv	Surveyor Work	day	1.6.1a	8300	0	-	0	-	
v	4 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	0	-	0	-	
<b>Sub Total- B</b>						<b>10,23,000</b>		<b>10,23,000</b>	
<b>C</b>	<b>TRENCHING</b>								

	Trenching (1m x 2m x15m): 09 trenches	Cu. M.	2.1.1	3330	300	9,99,000	248	8,25,840	
	<b>Sub Total- C</b>					<b>9,99,000</b>		<b>8,25,840</b>	
<b>D</b>	<b>DRILLING</b>								
i	Drilling upto 300m (Hard Rock) (1 rig )	m	2.2.1.4a	11,500	800	92,00,000	-	-	
ii	Land / Crop Compansation	per BH	5.6	20,000	10	2,00,000	-	-	
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	10	20,000	-	-	
iv	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	1,000	36,000	-	-	
v	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	4	2,00,000	-	-	
vi	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	-	-	
vii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	-	-	
viii	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	5	1,10,100	-	-	
ix	Core Preservation: One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	235	3,73,650	-	-	
	<b>Sub Total- D</b>					<b>1,06,39,750</b>		-	
<b>E</b>	<b>LABORATORY STUDIES</b>								
<b>1</b>	<b>Chemical Analysis</b>								
i	<b>Primary &amp; Check samples for Graphite</b>								

	a. Primary Samples for Proximate Analysis of Graphite: Fixed Carbon (FC), Ash (A), Moisture (M) and Volatile Matter (VM)	Nos	4.1.16	3,000	300	9,00,000	-	-	Trench-135, BH-345
	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	30	90,000	-	-	
	c-XRF analysis for oxides (SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , CaO, MgO, Na <sub>2</sub> O, K <sub>2</sub> O, LOI and V <sub>2</sub> O <sub>5</sub> )	Nos	4.1.15a	4,200	10	42,000	-	-	
	34 element ICPMS	Nos	4.1.14	7,731	10	77,310	-	-	
<b>2</b>	<b>Physical &amp; Petrological Studies</b>							-	
i	Preparation of thin section	Nos	4.3.1	2,353	5	11,765	2	4,706	
ii	Complete petrographic study report	Nos	4.3.4	4,232	5	21,160	2	8,464	
iii	Preparation of polished section	Nos	4.3.2	1,549	5	7,745	2	3,098	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	5	21,160	2	8,464	
v	Digital Photographs	Nos	4.3.7	280	5	1,400	2	560	
vi	Bulk Density studies	Nos	4.8.1	1,605	2	3,210	-	-	
					<b>Sub Total- E</b>	<b>11,75,750</b>		<b>25,292</b>	

<b>D</b>					<b>Total A to E</b>	<b>1,64,87,892</b>		<b>36,54,932</b>	
<b>E</b>	<b>Geological Report Preparation</b>		<b>5.2</b>	For the projects having cost exceeding Rs. 150 lakhs and less than Rs. 300 lakhs - A minimum of Rs. 7.5 lakhs or 3% of the value of work whichever is more	<b>7,50,000</b>	For the projects having cost below Rs. 50 lakhs - A minimum of Rs. 1.5 lakhs or 5% of the value of work whichever is more	<b>1,82,747</b>	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.	
<b>F</b>	<b>Peer review Charges</b>		<b>As per EC decision</b>		<b>30,000</b>		<b>30,000</b>		
<b>G</b>	<b>Preparation of Exploration Proposal (5 Hard copies with a soft copy)</b>	<b>5 Hard copies with a soft copy</b>	<b>5.1</b>	2% of the Cost or Rs. 5 Lakhs whichever is lower	<b>3,29,758</b>		<b>73,099</b>		
<b>H</b>	<b>Total Estimated Cost without GST</b>				<b>1,75,97,650</b>		<b>39,40,777</b>		
<b>I</b>	<b>Provision for GST (18% of I)</b>				<b>31,67,577</b>		<b>7,09,340</b>	GST will be reimburse as per actual and as per notified prescribed rate	
<b>J</b>	<b>Total Estimated Cost with GST</b>				<b>2,07,65,227</b>		<b>46,50,117</b>		
	<b>Say in Lakhs</b>				<b>207.65</b>		<b>46.50</b>		
<b>Note:</b>									
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 22.3.10 Preliminary exploration (G-3 stage) for Bauxite and Associated Minerals  
in Dhrang Block (4.86 sq.km) Kachchh District, Gujarat  
[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]**

- a) MECL informed that the project was recommended in 5<sup>th</sup> meeting of TCC-II held on 27<sup>th</sup>, 28<sup>th</sup> and 29<sup>th</sup> January 2025 and approved in 40<sup>th</sup> EC meeting held on 21<sup>st</sup> February 2025, with an estimated cost of ₹150.99 Lakh (including GST) within the time schedule of 14 months. In Phase-I, only 6 Boreholes of 30m depth were agreed to be drilled in 400m x 400m spacing and remaining 9 boreholes after the review.
- b) The agency informed the committee that the Geological mapping on 1:4000 scale, pitting of 50.08 cu. m out of 100.00 cu.m, and 77 m of drilling quantum have been completed (out of 440m). They further informed that the chemical analysis of 20 BRS, 20 Trench/Pit samples, and 54 borehole core samples was completed. The agency informed that in the study area Deccan Basalt is successively overlain by sequence consist of bentonite, laterite and bauxite.
- c) The agency informed that bauxite and laterite occur in patches along a NW–SE trend in the northwestern part of the block. 10 BRS samples showed average values of Al<sub>2</sub>O<sub>3</sub> – 45.88%, SiO<sub>2</sub> – 6.34%, and TiO<sub>2</sub> – 5.32%. 5 pits were excavated and 9 samples were collected, but bauxite continuity was not established; analysis indicated Al<sub>2</sub>O<sub>3</sub> – 45.88% and SiO<sub>2</sub> – 32.84%. Additionally, three Phase-I boreholes (MBD-01, MBD-02, and MBD-03) were drilled to assess the depth of mineralization.
- d) In the eastern part, there is a possible transitional phase between basalt weathering and bauxitization. Total 5 numbers of BRS were collected with average value of Al<sub>2</sub>O<sub>3</sub> – 37.75%, SiO<sub>2</sub> – 5.54%. 6 number of pits were also excavated and 3 number of samples were taken, which gave values of Al<sub>2</sub>O<sub>3</sub>– 28.45%, SiO<sub>2</sub> – 25.16%, Tio<sub>2</sub> - 4.03% respectively. The agency informed G3-level drilling comprising five boreholes has established the presence of bauxite with a thickness of approximately 2.28 m, Low grade Bauxite 3.54 m and Aluminous Laterite 3.83 m respectively. The results suggest that bauxite mineralization within the Dhrang Block is restricted to hilltop zones and lacks lateral continuity
- e) The Committee advised that geological mapping in the basaltic terrain should be carried out in more detail, with clear identification and differentiation of various basaltic flow units. More efforts should also be made to examine the presence of any carbonatite bands, bodies, or carbonate veins within the basalt. The detailed geological mapping (GM) to be undertaken at G3 stage should be comprehensive, systematic, and more elaborative to adequately address these aspects.
- f) The Committee opined that the chemical analysis results should be reviewed in detail in next upcoming TCC-II meeting, and further action will be decided based on the findings.

***Recommendation TCC-II***

***The Committee opined that the chemical analysis results should be reviewed in detail in next next upcoming TCC-II meeting, and further action will be decided based on the findings.***

**Agenda 22.3.11 Reconnaissance Survey (G-4 stage) for Polymetals (Cu-Pb-Zn & Au-Ag)  
in Amritpur Block (56.62 sq.km), Nainital District, Uttarakhand.  
[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]**

- a) The proposed Reconnaissance Survey (G4) area of 56.62 sq. km., falls in Survey of India Toposheet number 53O/11 in parts of Nainital District, Uttarakhand.
- b) MECL informed that the project was recommended in 6<sup>th</sup> meeting of TCC-II held on 27<sup>th</sup> and 28<sup>th</sup> February, 2025 & 6<sup>th</sup> March 2025 and approved in 41<sup>st</sup> EC meeting held on 11<sup>th</sup> March 2025. The Sanction Order was issued on 19<sup>th</sup> March 2025 with timeline of 10 months up to 18<sup>th</sup> February 2026 with an estimated cost of ₹107.98 Lakh (including GST). Review was scheduled after 5 months.
- c) The agency informed that geological mapping has been completed in this project and sampling work is in progress. The agency requested for timeline extension for 3 months up to 17<sup>th</sup> April 2026.
- d) The TCC-II asked the agency to submit a detailed justification for delay in timeline of the project.
- e) The committee opined that the review of the project should be done only after receipt of all analytical results and ICPMS results and thoroughly examined.

### **Recommendation TCC-II**

**The committee recommended the proposal for approval of PSC for timeline extension of 3 months up to 17<sup>th</sup> April 2026.**

### **Agenda 22.3.12 Preliminary Exploration (G-3 stage) for Glauconitic Sandstone in Mudhan-Khatiya Block (129.00 sq.km), Kachchh District, Gujarat.**

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

- a) MECL informed that Mudhan Khatiya Block was recommended in 68<sup>th</sup> Meeting of TCC of NMET in 28<sup>th</sup> August 2024 and was approved by 37<sup>th</sup> EC meeting of NMET on 23<sup>rd</sup> September 2024, The Sanction Order was issued on 22<sup>nd</sup> October 2025 with timeline of 10 months up to 21<sup>st</sup> August 2025 with approved cost of ₹161.65 Lakh (including GST) and the project will be reviewed after 5 months.
- b) In the 11<sup>th</sup> TCC-II meeting the agency requested for timeline extension of 06 months up to 28<sup>th</sup> February 2026. The 11<sup>th</sup> TCC-II committee recommended the proposal and it was approved by 1<sup>st</sup> PSC held on 9<sup>th</sup> October 2025.
- c) The agency informed the committee that Geological mapping on 1:125000 scale, 253 out of 260 samples of geochemical sampling, pitting of 69 cubic m out 200 cubic m, 542 out of 700 primary samples for 8 radicals were completed along with XRD study.
- d) The chemical analysis of BRS of Phase-I show 2-3 % K<sub>2</sub>O for 34 samples with average value of 2.43 % K<sub>2</sub>O. The agency requested for the timeline extension up to 30<sup>th</sup> April 2026 for completion of work.
- e) The agency informed that drilling activities have been completed and that preparation of the final geological report is currently in progress. further agency informed that the total of 333 meters of drilling has been carried out in 12 boreholes against the approved scope of 500 meters drilling in 17 boreholes. The committee advice to the agency to submit the justification of less achievement of drilling quantum against the approved scope of 500 meters drilling
- f) The agency again requested for timeline extension of 2 months up to 30<sup>th</sup> April 2026 for Final submission of geological reports.




**Recommendation TCC-II**

The committee recommended the proposal for approval of PSC for timeline extension for 2 months up to 17<sup>th</sup> April 2026 for submission of final geological report.

**Agenda 22.3.13 Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Lakhond Area, Kachchh District, Gujarat.**

**[Implementing Agency: M/s Critical Mineral Trackers]**

**&**

**Agenda 22.3.14 Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Reldi Moti Area, Kachchh Agenda District, Gujarat.**

**[Implementing Agency: M/s Critical Mineral Trackers]**

**&**

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

**[Implementing Agency: M/s Critical Mineral Trackers]**

Agenda Items 22.3.13, 22.3.14, and 22.3.15 were deferred, as the agency did not present the comprehensive and satisfactory update on the progress of the respective project works.

**Agenda 22.3.16 Reconnaissance Survey (G4) for Limestone in Bhatiya Area in the Village Bhatiya Gokalpur, Devbhumi Dwarka - District, Gujarat.**

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

**&**

**Agenda 22.3.17 Preliminary Exploration (G3) for Limestone in Vadekhan block in Rajkot district, Gujarat state.**

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

Agenda Items 22.3.16 and 22.3.17 were not presented by the implementing agency. The agency has been requested to present a comprehensive update on the project in the forthcoming TCC-II meeting

**22.4 Project Evaluation for In-Principle Approval**

**Agenda 22.4.1 Reconnaissance Survey (G4) of Base Metal and associated minerals in Kakukao Area East Kameng District, Arunachal Pradesh.**

**[Implementing Agency: M/s Gemcokarti Private Limited]**

- a. The proposed area of 42 Sq. Km. for reconnaissance survey (G4) falls in Survey of India Toposheet no. 41F/8 in parts of Kakukao Area East Kameng District, Arunachal Pradesh.

- b. The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	GSI Informed that, During FS 2020–22, STM by Pierii and Vero in the Guntung–Lumdung–Seppa–Pachi area (proposed NMET block) identified Khetabari Formation and Ziro gneiss. Minor sulphide mineralization was noted; Cu values reached 7753 ppm (grab), though occurrences are limited and discontinuous. Tourmaline-bearing pegmatites were observed near Seppa–Pachi and adjoining areas. The SE part remains largely unexplored due to inaccessibility.
2	DGM Arunachal Pradesh	DGM Arunachal Pradesh informed that there is no overlapping with NMEDT funded block in the proposed area
3	MECL	The block proposed by M/s Gemcokarti Private Limited is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c. The agency informed the committee that the project has the reference of GSI G4 Basemetal and associated mineralization FS 2014-15 where a 2 m thick sulphide mineralization zone was demarcated. The report identified Garnetiferous Mica Schist as the host rock for mineralization.
- d. Pakke Kessang-Khadaso area (adjacent area having similar geological settings) has shown significant sulphide mineralisation as mentioned above. In Lodoso East Block area also, apart from REEs encouraging values of copper up to 2790ppm (Max.) and Au value of 280ppb (Max.) has yielded from the spot samples.
- e. The committee observed that the Ladoso East Anetia block has been annulled times and Pakro block is in the Tranche for auction. The committee suggest for removal of Khyate Parag area and taking up the Kamlong area.

**Recommendation TCC-II**

**The TCC-II committee did not approve the proposal.**

**Agenda 22.4.2 Reconnaissance Survey (G4) for REE, BM & Gold in Kamlong Area, Papum Pare District, Arunachal Pradesh.**

**[Implementing Agency: M/s Gemcokarti Private Limited]**

- a. The proposed area of 54 Sq. Km. for reconnaissance survey falls in Survey of India Toposheet no. 83E/08 in parts of Kamlong Area, Papum Pare District, Arunachal Pradesh
- b. The table containing the comments is given below.

S.N.	Agency	Comment
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1	GSI	The proposed NMET block partly overlaps (about 20 %) with t earlier Khyate-Parang G4 explored block of GSI. Remaining 80 area of the proposed NMET block is not yet explored by GSI.
2	DGM Arunachal Pradesh	DGM Arunachal Pradesh informed that there is no overlapping with NMEDT funded block in the proposed area
3	MECL	The block proposed by M/s Gemcokarti Private Limited is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c. DGM Arunachal Pradesh informed that the Pakke Kessang-Khadaso area (adjacent area having similar geological settings) has shown significant sulphide mineralisation as mentioned above. In Lodoso East Block area also, apart from REEs encouraging values of copper up to 2790ppm (Max.) and Au value of 280ppb (Max.) has yielded from the spot samples.
- d. The TCC-II Committee opined that about 20% of the proposed area overlaps with GSI's G4 stage exploration block (FS 2017–18), and committee advised to the agency to exclude this overlapping portion.
- e. Based on results the of GSI's previous work of FS 2014-15 and feasibility of the area the committee gave in-principle-approval for the proposal.

#### **Recommendation TCC-II**

**The committee gave in-principle-approval for the proposal subject to exclusion of GSI's overlapping area.**

#### **Agenda 22.4.3 Reconnaissance Survey (G4) for REE, BM and Gold in Langchu Area, Papum Pare District, Arunachal Pradesh [Implementing Agency: M/s Gemcokarti Private Limited]**

- a. The proposed area of 55 Sq. Km. for reconnaissance survey falls in Survey of India Toposheet no. 83E/08 in parts of Kamlong Area, Papum Pare District, Arunachal Pradesh.
- b. The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The GSI infored that The proposed NMET block shows overlapping of about 70 % with the earlier explored block of GSI . Bubi Laporiang block, FS 2017-18 (copper and gold) , G4 Dedollo block of FS.2019-2020 (Cu-Au-Ag) and G4 Khyate-Parang of FS.2019-2020 (Cu-Au-Ag) of GSI fall within the proposed NMET block.
2	DGM Arunachal Pradesh	DGM Arunachal Pradesh informed that there is no overlapping with NMEDT funded block in the proposed area
3	MECL	The block proposed by M/s Gemcokarti Private Limited is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlapping with NMEDT funded block in the proposed area.

- c. The TCC-II Committee observed that the block proposed by M/s Gemcokarti Private Limited shows about 70% overlap with GSI's earlier explored Bubiya–Laporiang block (FS 2017–18; Cu–Au) and also partially overlaps with the G4 Dedollo block (FS 2019–20; Cu–Au–Ag).

***Recommendation TCC-II***

***The TCC-II committee did not approve the proposal.***

**Agenda 22.4.4 Reconnaissance Survey (G4) for Li, W, Sn, REE and associated mineralization in west of Hajiwas– Lilamba Area, Beawar District, Rajasthan.**

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

- a. The proposed area of 54.74 Sq. Km. for reconnaissance survey (G4) falls in Survey of India Toposheet no. 45F/16 & 45J/04 in parts of west of Hajiwas– Lilamba Area, Beawar District, Rajasthan.
- b. The DMG Rajasthan informed that the area falls within the Aravalli polygon as per the FSI report, any permission for exploration shall be governed by and subject to compliance with the directions / orders issued by the Hon'ble Supreme Court in respect of the Aravalli Hills, as amended from time to time.
- c. The TCC-II opined that, in view of the Hon'ble Supreme Court having stayed its judgment dated 20 November 2025, which proposed a uniform definition of the Aravalli Hills and Ranges, including the 100-metre elevation criterion, and the matter being presently sub judice before the Hon'ble Supreme Court, all proposals pertaining to the said area shall be examined and decided only upon final adjudication by the Hon'ble Supreme Court of India.

***Recommendation TCC-II***

***The TCC-II committee did not approve the proposal.***

**Agenda 22.4.5 Reconnaissance Survey (G4) for critical & strategic minerals and associated mineralization in Reh-Dahimatha Area, Bhilwara District, Rajasthan.**

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

- a. The proposed area of 27.83 Sq. Km. for reconnaissance survey falls in Survey of India Toposheet no. 45K/06 in parts of Reh-Dahimatha Area, Bhilwara District, Rajasthan.
- b. The DMG Rajasthan informed that the area falls within the Aravalli polygon as per the FSI report, any permission for exploration shall be governed by and subject to compliance with the directions / orders issued by the Hon'ble Supreme Court in respect of the Aravalli Hills, as amended from time to time.
- c. The TCC-II opined that, in view of the Hon'ble Supreme Court having stayed its judgment dated 20 November 2025, which proposed a uniform definition of the Aravalli Hills and Ranges, including the 100-metre elevation criterion, and the matter being presently sub judice before the Hon'ble Supreme Court, all proposals pertaining to the said area shall be examined and decided only upon final adjudication by the Hon'ble Supreme Court of India.

***Recommendation TCC-II***



***The TCC-II committee did not approve the proposal.***

**Agenda 22.4.5 Preliminary Exploration (G3) for Limestone in Kebang Block, Siang district, Arunachal Pradesh.**

**[Implementing Agency: M/s MMPL Pvt. Ltd]**

**&**

**Agenda 22.4.5 Preliminary Exploration (G3) for Limestone in Babuk Block, Siang District, Arunachal Pradesh**

**[Implementing Agency: M/s MMPL Pvt. Ltd]**

***Recommendation TCC-II***

The TCC-II Committee opined that adequate and reliable data regarding the occurrence, grade, and extent of limestone mineralization in the area is already available from previous investigations. In view of the sufficiency of geological and exploration inputs, the Committee suggested that no further preliminary exploration is required at this stage and advised the State Government to consider delineating and preparing the identified areas as Composite Licence (CL) blocks for auction in accordance with the prevailing rules and guidelines.

**Additional Agenda**

**22.1 Technical Evaluation of New Project Proposals**

**Agenda 22.1.1 Reconnaissance Survey (G-4) For Copper and Graphite in RehiJiawan Area Singrauli Districts, Madhya Pradesh.**

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

- a. The proposed area for Reconnaissance Survey (G-4) covering **45 sq. km**, falls within Survey of India Toposheet no. 63L/3 and 63L/7, in parts of Singrauli Districts, Madhya Pradesh
- b. In the 21th TCC-II meeting Committee deferred the proposal and advice to the agency shall exclude overlap areas with GSI and MECL explorations and revise the proposal accordingly, and also ensuring a minimum G-4 exploration area of about 40–45 sq. km.
- c. The agency presented the revised proposal after duly excluding the portions overlapping with the exploration blocks previously taken up by GSI and MECL. The modified area was delineated to avoid duplication of work and to ensure that the proposed block does not encroach upon areas already explored under earlier GSI and MECL investigations.
- d. The agency informed the Committee that the cost sheet will be submitted in the forthcoming TCC-II meeting.

***Recommendation TCC-II***



**The Committee agreed to evaluate the cost sheet in the forthcoming TCC-II meeting**

**Additional Agenda**

**22.3 Review of Ongoing Projects/ Completed Project & Timeline Extension**

**Agenda 22.3.1 Reconnaissance survey (G4) for copper and associated minerals in Kochipur District– Sidhi, Madhya Pradesh.**

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

- a. The CMPDI informed that the project was recommended in 68th TCC meeting held on 28th, 29th, and 30th August 2024, and approved in 37th EC meeting held on 23rd September 2024 with timeline of 10 months (up to 21.08.2025) with approved cost of ₹ 125.13 lakh. Sanction Order was issued on 22nd October 2024. The project was reviewed in 9th TCC-II meeting held on 29th & 30th May 2025. Further, in 12th meeting of TCC-II timeline extension of 4.5 months up to 31st= December 2025 was recommended and approved in 1st PSC meeting held on 9th October 2025.
- b. The agency informed the all the work components of the approved quantum have been completed. Also, peer review of the final geological report has been done. The agency requested for submission of the final GR.
- c. The agency informed the Committee that the cost sheet will be submitted for re-evaluation in the upcoming TCC-II meeting.

***Recommendation TCC-II***

**The Committee agreed to evaluate the cost sheet in the upcoming TCC-II meeting.**

**Agenda 22.3.2 Reconnaissance Survey (G-4) for REE, RM, Glauconite and Phosphorite in Devisar Block, District: Kachchh, Gujarat.**

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

- a. The project was recommended in 6th TCC-II meeting held on 27th, 28th February 2025 & 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 19 March 2025 with timeline of 10 months up to 18 January 2026 and approved cost was ₹251.38 Lakh.
- b. MECL informed that the litho units exposed in the Devisar block belongs to Katrol and Bhuj formation. A total 25 Bed Rock Samples have been analysed, out of which 3 samples are showing  $\Sigma$ REE+Y more than 500ppm upto 868.12 ppm. The said block is in northern continuation of Devpur block where 300 m of drilling was approved.
- c. In the 20th TCC-II meeting, Agency requested for timeline extension three (03) months up to 17th April 2026 for submission of Final Geological Report. The TCC committee recommended to PSC and it was approved by 4th PSC Committee.
- d. The agency requested approval for an additional 25 bedrock and channel sample analyses within the sanctioned cost, and the Committee agreed to the proposal

***Recommendation TCC-II***

***The Committee agreed to the proposal for analyses of additional 25 bedrock and channel sample within the approved cost.***

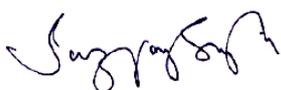
**Agenda 22.3.3 Reconnaissance Survey (G-4) for REE and Phosphorite in Sumarsar Block, Kachchh District, Gujarat.**

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

- a. The project was recommended in 6<sup>th</sup> TCC-II meeting held on 27<sup>th</sup>, 28<sup>th</sup> February 2025 & 6<sup>th</sup> March 2025 and approved in the 41<sup>st</sup> EC Meeting held on 11<sup>th</sup> March 2025. The sanction order was issued on 19<sup>th</sup> March 2025 with timeline of 10 months up to 18 January 2026 and approved cost was ₹177.60 Lakh.
- b. MECL informed that geological mapping of 100.20 sq. km. area on 1:12,500 scale has been done along with collection of 50 BRS, 10 Pit samples and 88 Auger drill samples. Two potential area of 11 sq. km. and 5 sq. km. have been identified and drilling in 3 scout boreholes with total 300m depth was proposed. Values of  $\Sigma$ REE in BRS ranges from 58.78ppm to 1527.08ppm; in Pit samples the maximum value is 527ppm and in Auger BH samples the value ranges from 535.94ppm to 694.14ppm. The agency further requested for timeline extension of 3 months and 12 days up to 30<sup>th</sup> April 2026.
- c. In the 20<sup>th</sup> TCC-II meeting, Agency requested for timeline extension 3 months and 12 days up to 30<sup>th</sup> April 2026. The TCC committee recommended to PSC and it was approved by 4<sup>th</sup> PSC Committee.
- d. The committee advised to the agency that the Drilling is to be kept on hold. Further, Drilling will be decided after review of drilling core analysis results from Nokhania Block.

***Recommendation TCC-II***

**The Committee advised the agency to keep drilling on hold, and stated that further drilling will be decided after reviewing the core analysis results from the Nokhania Block**



**Annexure -1**  
**List of participants attended 22<sup>nd</sup> meeting of Technical-cum-cost Committee**  
**(TCC-II) of NMEDT held on 04<sup>th</sup> and 05<sup>th</sup> February 2026 through video**  
**conferencing mode**

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