

Ministry of Mines
National Mineral Exploration and Development Trust
Minutes of the 100th Technical-cum-Cost Committee-1 (TCC-1) Meeting
held on 13th and 14th July 2026 through video conferencing

The 100th Meeting of the Technical-cum-Cost Committee-I (TCC-1) of the National Mineral Exploration and Development Trust (NMEDT) was held via video conferencing under the chairmanship of Dr. S. Ravi, Deputy Director General (DDG), Geological Survey of India Training Institute (GSITI) and Chairman, TCC-1, NMEDT, on 13th and 14th July 2026. Members of TCC-1, NMEDT and representatives from GSI RSAS, DGM Chhattisgarh, DMG Karnataka, DMG Odisha, DGM Madhya Pradesh, CGM Gujarat, JNARDDC, MAPL, BMRC Geomining Solution Pvt. Ltd, Deepsar Mineral Explorer, MECL, Critical Mineral Trackers, M/s Wattfin Ventures Private Limited, APC Drilling & Constructions Ltd., M/s South West Pinnacle Exploration Limited, M/s GMMCO Technology Services Ltd., M/s S and S Geological Consultants, M/s Vibrant Techno Lab Private Limited, M/s. MMPL Private Limited, M/s. Indian Mine Planners & Consultants, M/s. Geovale Services Pvt. Ltd., OMC, M/s. Geo Marine Solutions Pvt. Ltd., FAGMIL, KIOCL, M/s. Gemcokati Exploration Pvt. Ltd., M/s Steiger Geoscience and Engineering Private Ltd., M/s Eartnenviro Lab Pvt. Ltd. and M/s GEMS Project Pvt. Ltd. have attended the meeting through their respective VC modes.

The list of participants is enclosed in Annexure-7.

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

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

Agenda 100.1: Technical Evaluation of New Project Proposals along-with Costing

Agenda 100.1.1. Reconnaissance Survey (G4) for REE and Associated Minerals in Patharkata Area (105.364 Sq.Km), District: Nayagarh, Odisha.

Proposal ID: ME/DD/G4/OD/26-27/004

[Implementing Agency: MECL]

- a. The proposed block falls within Survey of India Toposheet Nos. 73H/04 and the major litho units exposed in the area are granite gneiss, charnockite, khondalite, and pyroxene granulite. At places small patches of quartzites are exposed within the khondalite.
- b. While reviewing the proposal, it was informed that GSI in their comments have

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- stated that the proposed block overlaps (~50%) with a GSI REE exploration block for 2027-28 that has been scrutinized by RMH-II, ER.
- However, while examining the overlap map, MECL informed that the proposed block of GSI (for FSP 2027-28) overlap with ongoing NMEDT funded block of MECL.
 - The committee reviewed the proposal and observed that a major part of the proposed area overlaps with GSI's proposed G4-stage exploration block (FS: 2027-28). MECL was advised to exclude the overlapping GSI block, explore the uncovered eastern part (south of Nayagarh), and revise the proposal based on the geological potential.
 - It was further noted that the proposed GSI G4 block also overlaps with an NMEDT-funded MECL project currently under execution. The NMEDT Secretariat will coordinate with GSI to share the relevant data and facilitate exclusion of the area covered by the MECL project from the approved GSI block.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block overlaps (~50%) with a GSI REE exploration block (FSP 2027-28) & ongoing project where exploration is currently underway. Therefore, the block boundary should be revised to exclude the overlapping area. It is recommended to take up G4-level REE exploration after the circulation of the relevant GSI reports.
2	MECL	NA
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	There is no overlapping of the proposed block with past or ongoing project of DMG. The background information merits for a G-4 stage of exploration.
5	NMEDT	Proposed block overlaps with G3 & G4 stage of exploration for REE of GSI project. The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee deferred the proposal and suggested the agency to exclude the overlapping GSI block, explore the uncovered eastern part (south of Nayagarh), and revise the proposal based on the geological potential.

Agenda 100.1.2. Preliminary Exploration (G3) for Bauxite, Aluminous laterite and Associated Critical Minerals in Bagadwadi Block, District Sindhudurg, Maharashtra.

Proposal ID: ME/DD/G3/MH/26-27/069

[Implementing Agency: M/s Wattfin Ventures Private Limited]

- The proposed block falls within parts of Survey of India Toposheet Nos. 47H/7, 47H/8, 47H/11, and 47H/12. Regionally, the area comprises sedimentary rocks of the Kaladgi Supergroup, basalts of the Purandargarh Formation of the Sahyadri Group (Deccan Trap Supergroup), Miocene carbonaceous clays, Cenozoic laterites, and Quaternary alluvium.

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- b. The agency informed that GSI had undertaken extensive exploration for bauxite in the Rajapur laterite capping during FS: 1998–2002, including large-scale geological mapping (1:12500 scale) over 35 sq km and detailed mapping (1:2000 scale) over 5.6 sq km in Ghodepaiwadi, Hamdara, Nanar and Kumbhawade blocks.
- c. GSI estimated 3.7 million tonnes (MT) of low- to high-grade bauxite and 6.9 MT of aluminous bauxite in the Ghodepaiwadi, Hamdara, Nanar and Kumbhawade Block-A areas. Further detailed investigation in Kumbhawade Blocks C & D (6.35 sq km) established an additional 2.2 MT of bauxite and 5.90 MT of aluminous bauxite.
- d. The committee was further informed that preliminary investigations were also carried out in the Padwe–Ansure (50 sq km) and Katwan–Katte–Kalwe (35 sq km) blocks during FS: 2001–02, wherein 514 m of auger drilling (38 boreholes) was completed. Al₂O₃ values ranging from 39.90% to 62.02% were reported from the Padwe–Kombe–Chavanwadi–Ansure and Jaitapur Lighthouse areas.
- e. GSI subsequently carried out G4 stage reconnaissance surveys for bauxite and aluminous laterite in Kunkeshwar (FS: 2020–21), Math Budruk (FS: 2021–22), and Achra (FS: 2023–24) areas of Sindhudurg District, Maharashtra.
- f. The committee noted that G3 stage preliminary exploration around Kudopi, Sindhudurg District (FS: 2021–22) comprised 1:4000 scale geological mapping over 10 sq km and 514 m of drilling in 31 boreholes, resulting in the estimation of 3.91 MT of bauxite (average 45.47% Al₂O₃, 1.65 m thickness) and 7.32 MT of aluminous laterite (average 33.91% Al₂O₃, 2.27 m thickness) under the 333 Inferred Mineral Resource category.
- g. Based on the available geological and exploration data, the agency proposed a Preliminary Exploration (G3 stage) project for bauxite, aluminous laterite, and associated critical minerals. The proposed work programme includes 1:4,000 scale detailed geological mapping, bedrock geochemical sampling, pitting/trenching, and exploratory drilling with sampling to assess mineral resources under the UNFC G3 category.
- h. The committee observed that about 86% of the proposed block overlaps with GSI's G3 stage Kudopi block, which was handed over to the Directorate of Geology and Mining (DGM), Maharashtra in February 2023 for consideration under the auction process. As the exploration has already been completed and the block is under consideration for auction, the proposal was not recommended.

Sl. No.	Agency	Brief Comments
1	GSI	86% of the proposed block fall within the GSI's G3 stage investigation in Kudopi block. The Kudopi block was handed over to the DGM, Maharashtra for consideration in the auctioning process.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	Awaited
4	State DMG/DGM/CGM	Awaited

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5	NMEDT	Proposed Block overlaps with One G3 block & multiple G4 exploration blocks and a G3 auctionable block for Bauxite & Aluminous Laterite mineralization and associated minerals. The proposed block do not overlap with NMEDT funded projects.
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Recommendations of TCC-1:

The committee did not recommend the proposal, as approximately 86% of the proposed block falls within GSI's G3-stage Kudopi block, which has already been explored and is currently under consideration for auction.

Agenda 100.1.3. Preliminary Exploration (G3) for Gold at Rajsol Block, District: Bankura, West Bengal

Proposal ID: ME/DD/G3/WB/26-27/122

[Implementing Agency: MAPL]

- a. The proposed block falls within Survey of India Toposheet No. 73J/9 in Bankura District, West Bengal. Geologically, the area is located at the north-eastern extremity of the North Singhbhum Mobile Belt (NSMB) and forms part of the volcano-sedimentary sequence of the Singhbhum Group.
- b. The agency informed the committee that GSI had carried out prospecting for gold in the Rudra area, located at the north-eastern extremity of the NSMB, during Field Seasons 2006–07 and 2007–08.
- c. The committee noted that analytical results from the GSI investigation reported gold values ranging from 26 ppb to 650 ppb in 18 soil samples, while a bedrock quartz vein sample assayed more than 1 ppm Au.
- d. It was further noted that field panning tests conducted at Hansadungri and adjoining Rajsol localities yielded visible gold flakes and fine gold specks in panned concentrates, indicating surface gold mineralization.
- e. Based on the available geological and geochemical evidence, the agency proposed a Preliminary Exploration (G3 Stage) project for gold. The proposed work programme includes 1:2,000 scale detailed geological mapping, pitting/trenching, and assessment of mineral resources under the UNFC G3 category.
- f. The committee noted that the proposal had earlier been reviewed in the 91st TCC-I Meeting, wherein the proposed area of ~0.52 sq. km was considered inadequate for G3 stage exploration for gold. It was also observed that the proposed area included canals and dam sites, which required exclusion. Accordingly, the agency was advised to expand the block based on the geological framework and existing exploration data, undertake field verification, and submit a revised DPR.
- g. The agency informed the committee that the proposal had been revised in accordance with the observations of the 91st TCC-I Meeting by expanding the proposed block and incorporating the committee's recommendations. The revised proposal was presented for consideration.
- h. The committee reviewed the revised proposal and observed that the reported gold values within the proposed area are low, and the quartz veins are thin and lensoidal, indicating limited exploration potential. It was further noted that the agency had not

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generated any additional data to substantiate the revised proposal. The committee advised the agency to undertake detailed field investigations, including systematic sampling of quartz veins and contact zones, identify gold-bearing zones with adequate thickness and strike continuity, and submit a technically justified G3-stage exploration proposal based on the additional evidence.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed Rajsol G3 Block shows 48% overlap with the GSI FS 2016–17 G4 Gold exploration item, which was handed over to DMM, West Bengal as a Geological Memorandum in 2021. Additionally, the block exhibits 82% overlap with the GSI FS 2006–08 Gold prospecting item.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	Awaited
4	State DMG/DGM/CGM	There is no existing CL or ML for either major or minor minerals within the proposed block area. As requested during the 51st SGPAB meeting, GSI is currently undertaking the revised G3 exploration work Hansadungri Block, North of Rudra Gold Block.
5	NMEDT	Proposed Block overlaps with one auctionable G4 for Gold, there is no overlap with NMEDT funded blocks, ESA/ESZ, Tiger Corridor, Protected Area or RFA as per PM Gatishakti portal.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the reported gold values are low, the quartz veins are thin and lensoidal, and the agency did not generate additional data to substantiate the proposal, as advised by the TCC during its previous review.

Agenda 100.1.4. Preliminary Exploration (G3) for Graphite and associated minerals in Barwaiya-Irgu Block, Palamu & Latehar Districts, Jharkhand

Proposal ID: ME/DD/G3/JH/26-27/117

[Implementing Agency: APC Drilling & Constructions Ltd.]

- The proposed block falls within Survey of India Toposheet No. 73A/05. Geologically, the area comprises high-grade metamorphic rocks of the Chhotanagpur Gneissic Complex, represented by schists and gneisses, intruded by granitic and basic bodies, and is locally overlain by Lower Gondwana Talchir sediments.
- GSI's earlier investigations (FS: 1945–46 and 1951–53) identified graphite-bearing schist lenses and E–W trending graphite schist bands in the Ledwakhar–Rabda and Sohri–Ekta sectors. The graphite mineralization was found to be associated with quartz-sillimanite schist and calc-granulite, and evidence of old graphite workings was also recorded.
- Subsequent detailed prospecting by GSI (FS: 1965–66) in the Bhang–Parasia and Sokra areas confirmed the presence of workable graphite lenses, with fixed carbon

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- content ranging from 10% to 25% in the Sokra area.
- d. The committee also noted that GSI's detailed appraisal (FS: 1968–69) identified 15 graphite occurrences in the Ledwakhar, Sohri–Ekta, and Arapur areas, leading to the delineation of the Bohita–Ghutuwa–Siuri–Ekta graphite belt as a significant graphite-bearing zone.
 - e. The committee was further apprised that GSI's Reconnaissance Survey (FS: 2019–20) in the Parsahi–Satbarwa–Ranki Kalan area delineated 15 graphite schist bands and six prospective graphite blocks. Analytical results indicated fixed carbon (FC) values ranging from 7.66% to 37.06% in bedrock samples and <1% to 37.28% FC in trench samples.
 - f. It was further noted that GSI's G4-stage Reconnaissance Survey (FS: 2022–23) in the Chama–Barwaiya area delineated multiple graphite-bearing bands in the Barwaiya Khurd and Chama–Irgu areas, with individual graphite lenses extending up to 400 m in strike length and 10–30 m in width.
 - g. It was further informed that fixed carbon (FC) values range from 1.01% to 34.78% in pit and trench samples and 0.58% to 28.02% in bedrock samples. Nearly 70% of the samples assayed more than 10% FC, indicating the presence of moderate- to high-grade graphite mineralization at the surface.
 - h. The proposal was reviewed during the 91st and 94th TCC-I meetings, wherein the agency was advised to exclude barren and mining lease areas, confine the block to graphite-bearing host rocks, maintain a 500 m buffer from mining leases, and submit a revised DPR with supporting data. The proposal was approved in principle, subject to these modifications.
 - i. The agency has modified the block area, revised the proposal, and presented the modified the proposal.
 - j. The agency informed the committee that five additional samples collected from the proposed area yielded fixed carbon (FC) values ranging from 8.08% to 16.11%, with an average of 11.56%, corroborating the presence of graphite mineralization.
 - k. The committee reviewed the proposal and recommended that the G3-stage exploration be carried out in two phases. Phase-I should comprise detailed geological mapping, surface sampling, pitting/trenching, delineation of graphite-bearing zones and SP surveys over selected prospective areas. Phase-II should involve systematic drilling at 200 m spacing with 30 m vertical intersections, followed by a limited number of second-level boreholes to achieve 60 m vertical intersections in promising zones.
 - l. The area is free from any Recorded Forest.

Sl. No.	Agency	Brief Comments
1	GSI	GSI carried out G4-stage investigation in the Chama Barwaiya and Irgu blocks during FS 2022–23, with adjoining areas yielding ~60 MT of graphite resources (G2/G3). No exploration is currently underway or proposed by GSI; however, future G3 exploration may be considered based on G4 findings.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	NA

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4	State DMG/DGM/CGM	One block of minor minerals is partially overlapping. (Mouza Irgu, Thana-Panki, Area-3.70 acres, Stone) however, DMG is not conducting any exploration projects related to Graphite and Associated Minerals and any others minerals/ commodity in the proposed area.
5	NMEDT	The proposed block do not overlap with NMEDT funded projects, ESA/ESZ, Tiger Corridor, Protected Area or RFA as per PM Gatishakti portal.

Recommendations of TCC-1:

The committee recommended the proposal titled “Preliminary Exploration (G-3) for Graphite and associated minerals in Barwaiya-Irgu Block, Districts: Palamu & Latehar Districts, Jharkhand” for approval of PSC, NMEDT with an estimated cost of Rs. 199.11 lakhs (including GST) with a timeline of 12 months for carrying out the proposed work and submission of report as per Annexure – 1A & 1B. The item will be reviewed after 3, 6 and 9 months.

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Annexure-1A

Preliminary Exploration (G-3) for Graphite and associated minerals in Barwaiya-Irgu Block, Districts: Palamu & Latehar Districts, Jharkhand

[Block area- 2.70 sq. km; Schedule timeline- 12 months; BH-10 Nos in 1st level-Depth 30m and 4 Boreholes in 2nd level vertical Depth of 60m Total Drilling meterage- 700 m; Total BH: 14; Review- After 3, 6 & 9 months months]

SL No.	Item of Work	Unit	Rates as per NMET SoC		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC			
					Qty.	Amount (Rs)	
1st phase: Mapping, Sampling, Trench and GP study							
A	GEOLOGICAL WORK & TOPOGRAPHICAL SURVEY (1:2000 scale)						
i	Detailed Geological Mapping	day	1.1	18300	2.70	49410	
ii	Charges for one Geologist- Field	day	1.2.1a	14500	110	1595000	(Including Field work and Drilling)
iii	Charges for one Geologist - HQ	day	1.2.1a	10500	30	315000	
iv	2 labours / Party(As per rates of Central Labour Commissioner)	day	5.8	556	220	122320	
v	Sampling Party days-1 Samplers Labour charge not included	day	1.2.1b	7850	59	463150	
vi	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	556	236	131216	
	Survey						
vii	Topographical Survey, boundary survey	day	1.6.1a	10500	30	315000	Topographical Survey on 1:2000 (2 m contour interval)
viii	4 labours for surveyor	day	5.8	556	120	66720	
	Sub Total- A					3057816	
B	Surface Geophysical Survey						

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i	Self Potential (S.P)	L.km	3.3a	62140	10	621400	
ii	Geophysicist HQ	days	3.18	10500	10	105000	
	Sub Total- B					726400	
C	TRENCHING						
i	Trenching (1 x5 x2 m)10 No. of Trench	Cu m	2.1.2	4125	100	412500	
	Sub Total- C					412500	
2nd phase: Drilling (After review of 1st phase of work							
D	DRILLING (In house)						
i	Drilling upto 300m (Hard Rock)	m	2.2.1.1d	10000	700	7000000	BH-10 Nos in 1st level-Depth 30m and 4 Boreholes in 2nd level vertical Depth of 60m. 700 m is tentative
ii	Land / Crop Compensation	per BH	5.6	30000	14	420000	As per actuals, with maximum ceiling of Rs 30000 per BH
iii	Construction of concrete Pillar (12"x12"x30") (14 BH Pillar +6 Boundary Pillar)	per borehole	2.2.7	2000	20	40000	(14 BH Pillar +6 Boundary Pillar)
iv	Miscellaneous charges -Transportation of Drill Rig, Accommodation of Drill Camp, Camo setting & winding, Construction of Approach Road and	Lumpsum	2.2.9 (2)	-	-	1400000	if Drilling cost >50 lakhs & < 1 Cr, 20% of the Drilling cost with Maximum of 15.0 Lakhs
v	Drill Core Preservation (One complete borehole plus mineralised cores of all the remaining BHs)	Per meter	5.3	1590	350	556500	1 complete BH + remaining mineralised zone
vi	Bore Hole Fixation and determination of co- ordinates & Reduced Level of the boreholes by DGPS	Nos	1.3.2	24000	14	336000	14 BH points

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						Sub Total- D	9752500	
E	LABORATORY STUDIES							
1	Chemical Analysis							
	Primary & Check samples for Graphite BRS/Pit/Chip/Channel/BH samples)							
	a. Primary Samples for Proximate Analysis of Graphite: Fixed Carbon (FC), Ash (A), Moisture (M) and Volatile Matter (VM)	Nos	4.1.18	3614	400	1445600	BH-280 BRS-40, Trench-80	
	b. Check samples from NABL Lab for Proximate Analysis of Graphite: Fixed Carbon (FC), Ash (A), Moisture (M) and Volatile Matter (VM)	Nos	4.1.18	3614	40	144560		
	d. ICP-AES/ICPMS (sequential technique) for 34 elements i.e. 16 other elements viz. Li, Ga, In, Be, Ge, Mo, Ni, Cr, Ta, W, Ba, Co, Rb, Sr, Zr, Nb ; 16 REE viz. La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sc, Y; 02 Actinides viz. U, Th.	Nos	4.1.15	7400	20	148000		
	Whole Rock Analysis (SiO ₂ , Fe ₂ O ₃ , MnO ₂ , Al ₂ O ₃ , MgO, CaO, BaO, K ₂ O, P ₂ O ₅ , TiO ₂ , V ₂ O ₅ , LOI, S, V)		4.1.17a	4200	10	42000		
2	Physical & Petrological Studies							
i	Preparation of thin polished section	Nos	4.3.2	800	10	8000		
ii	Study of Thin Section plus photo micrographs	Nos	4.3.4	2800	10	28000		
iii	Bulk Density studies		4.8.3	2500	5	12500		
						Sub Total- E	1828660	
						Total A to E	15777876	
F	Geological Report Preparation - including charges of typing text,, table etc., digitization of maps/ sections etc.,		5.2 (iii)	soft copy		750000	Total cost of the project exceeding 150 lakhs 7.5 lakhs is considered	

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G	Peer review Charges		As per EC			30000	
H	Preparation of Exploration Proposal	soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is lower		315558	
I	Total Estimated Cost without GST					16873434	
J	Provision for GST (18% of I)					3037218	GST will be reimbursed as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					19910652	
	or Say Rs. In Lakhs					199.11	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

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Preliminary Exploration (G-3) for Graphite and associated minerals in Barwaiya-Irgu Block, Districts: Palamu & Latehar Districts, Jharkhand

Sl.		Months																	
No.	Activities	1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	REVIEW	10	11	12			
1	Camp Setting																		
2	Geological Mapping & Sampling (Bed Rock /Channel/Grab)																		
3	Survey Work(1 Party) (Topography + BH Survey)																		
4	Surface Geophysical Survey																		
5	Trenching																		
6	Drilling																		
7	Geological Work(1 Geologist)																		
8	Sampling Work -BRS/Pit/Core Samples																		
9	Camp Winding																		
10	Laboratory Studies																		
11	Geological Work/ Report Writing																		
12	Peer Review and Report Submission																		

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Agenda 100.1.5. Preliminary Exploration (G3 Stage) of REE in Mahara-Shitalpur Block, Purulia District, West Bengal

Proposal ID: ME/DD/G3/WB/26-27/085

[Implementing Agency: M/s MMPL Private Limited]

- a. The proposed block falls within Survey of India Toposheet No. 73 I/07 and is underlain by biotite granite gneiss and migmatite gneiss of the Chhotanagpur Granite Gneiss Complex (CGGC), with khondalite and para-amphibolites as the supracrustal sequence. The area is intruded by the Tilabani granitoid and Manbhum Granite, with numerous pegmatite and quartz veins.
- b. Previous GSI investigations identified significant REE mineralization in the Tilabani and Manbhum granitoids, with REE values up to 23,362 ppm in the Tilabani granitoid and 15,000 ppm in the Manbhum Granite. Most granitoid samples recorded 500–999 ppm REE, while values exceeding 1,000 ppm were predominantly associated with the older Tilabani granitoid and mafic microgranular enclaves within the Manbhum Granite.
- c. Subsequent GSI investigations in the Kalapathar–Raghu di area reported REE values ranging from 2,087 to 126,962 ppm (average ~4.03% REE) in rock samples, while soil samples assayed 1,004–7,420 ppm REE, indicating strong rare earth element enrichment.
- d. The committee was informed that GSI's G4-stage reconnaissance surveys (FS: 2021–22 and 2023–24) in the Biltore–Golamara–Chalania and Kathaldiha–Bhabanipur–Bhangra areas reported TREE values of 2,570–8,372 ppm from pegmatite veins, 3.78–2,597.55 ppm in porphyroclastic granite gneiss, and 36.46–1,458.02 ppm in soil samples. Based on these results, a potential REE mineralization zone was delineated around Mahara–Pathardih–Dubcharka–Chirumacha, with average TREE values of ~1,350 ppm and a maximum of 1,928 ppm.
- e. Based on the available geological and geochemical evidence, the agency proposed a G3-stage exploration project for REE and associated minerals. The proposed work programme includes geological mapping, surface geochemical sampling, pitting/trenching, and exploratory drilling with sampling to evaluate the mineral potential and assess mineral resources under the UNFC G3 category.
- f. The committee reviewed the proposal and observed that approximately 43% of the proposed block overlaps with GSI's proposed G3-stage exploration block (FS: 2027–28) for the same commodity and block. Accordingly, the committee advised the agency to revise the block boundary to eliminate the overlap before resubmission.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed Mahara–Shitalpur G3 Block exhibits 100% spatial overlap with the GSI FS 2023-24 G4 item. Further, the authors of the aforesaid G4 item have already proposed a G3 follow-up investigation for FS 2027–28.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.

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4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area (approx. 1.25%).

Recommendations of TCC-1:

The committee did not recommend the proposal, as a major part of the proposed area overlaps with GSI's proposed G4-stage exploration block. The agency was advised to revise the block boundary to eliminate the overlap and resubmit the proposal.

Agenda 100.1.6. Reconnaissance Survey (G4 Stage) Of Copper & Associated Mineralisation in Kosagumuda Block, Nawarangpur District, Odisha.

Proposal ID: ME/DD/G4/OD/26-27/084

[Implementing Agency: M/s MMPL Private Limited]

- The proposed block falls within Survey of India Toposheet No. 65I/3. Geologically, the area comprises Archaean granite gneiss basement overlain by sedimentary rocks of the Upper Proterozoic Indravati Group, including orthoquartzite, quartz arenite, subarkosic sandstone, vein quartz, and basic intrusives, with laterite and alluvium forming the surficial cover.
- The committee noted that previous investigations have reported copper mineralization associated with stromatolitic limestone in the Teliyaguda–Varhaiguda area, primarily along the limestone–shale contact under well-defined lithological and structural controls. It was further noted that DMG, Odisha mapped 54 sq. km around Kosagumuda (FS: 1996–97), confirming multiple occurrences of copper mineralization in these favourable geological settings.
- The agency informed the committee that field traverses were carried out within the proposed block, during which four bedrock samples collected from stromatolitic limestone of the Indravati Group returned copper values ranging from 369 ppm to 18,878 ppm (1.88% Cu), including 1.71% Cu and 1.88% Cu in two samples.
- Based on the available geological and geochemical evidence, the agency proposed a G4-stage exploration project for copper and associated minerals. The proposed work programme includes 1:12,500 scale geological mapping, surface geochemical sampling, pitting/trenching, and scout drilling with sampling to evaluate the mineralization potential under the UNFC G4 category.
- The committee reviewed the proposal and observed that the copper mineralization is confined to fractures and joints within the stromatolitic limestone and appears to be localized in nature. It was further noted that the geological setting is not favourable for the type of mineralization proposed and that the available exploration data are insufficient to justify a G4-stage exploration programme. Accordingly, the committee did not approve the proposal.

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Sl. No.	Agency	Brief Comments
1	GSI	The source/reference for the copper values reported for 04 samples in of the DPR proposal has not been cited and requires verification. Accordingly, the proposed block may be considered for G4-stage copper investigation subject to confirmation of the referenced data.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Based on findings of previous work by DoMG, the area may be taken up for a reconnaissance survey to study the potentiality of Copper mineralization.
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area (approx. 14.8%).

Recommendations of TCC-1:

The committee did not recommend the proposal, as the observed copper mineralization is localized, the geological setting is not conducive to the proposed style of mineralization, and the available exploration database is insufficient to justify a G4-stage exploration programme.

Agenda 100.1.7. Preliminary Exploration (G3 Stage) of Graphite in Kandegaon Block, Kalahandi District, Odisha Proposal ID: ME/DD/G3/OD/26-27/078

[Implementing Agency: M/s MMPL Private Limited]

- The proposed block falls within Survey of India Toposheet Nos. 64P/11 and 64P/12. Geologically, the area comprises charnockite, granite gneiss, khondalite, leptynite, and calc-silicate gneiss.
- GSI investigations (FS: 1982–83) in the Turekela–Bakbera area reported graphite-rich zones between Mahanilaha and Rengali villages and recommended detailed exploration, including pitting and trenching, extending up to the Utladani Reserve Forest. The investigations also established that graphite mineralization is controlled by tightly folded graphite bands within synformal structures, indicating favourable structural controls for further exploration. Approximately 19,993 tonnes of graphite, with 5.36–6.90% fixed carbon (FC), were estimated up to a depth of 10 m based on 12 trenches ranging from 2–12 m in length and 1–2.5 m in depth.
- Subsequent GSI investigations (FS: 1983–84) identified seven graphite-bearing linear zones (five in Bolangir and two in Kalahandi) and estimated graphite resources down to 10 m depth, indicating the potential for large-tonnage deposits despite low grades. Trenching and drilling further established good subsurface continuity, with graphite bodies ranging from 0.2 m to 4.7 m in thickness confirmed through drilling of geophysical anomalies in the Turekela area.
- Based on the available geological and exploration data, the agency proposed a G3-stage exploration project for graphite. The proposed work programme includes 1:2,000 scale detailed geological mapping, surface geochemical sampling, pitting/trenching, and exploratory drilling with sampling to evaluate graphite mineralization and assess mineral resources under the UNFC G3 category.

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- e. The committee noted that, during the 91st TCC-I Meeting, the agency was advised to revise the proposal, considering that a major part of the area had already been explored, Cluster-66 had been allotted to MECL, and the existing G4 reports of GSI and DoMG Odisha should be taken into account before resubmission.
- f. The agency informed the committee that the proposal had been revised in accordance with the committee's recommendations. Field traverses were carried out within the modified block and four bedrock samples collected from the area returned fixed carbon (FC) values ranging from 3.06% to 17.10%, confirming the presence of graphite mineralization.
- g. The committee reviewed the proposal and observed that most of the proposed area is soil-covered with limited rock exposures.
- h. It recommended that the G3-stage exploration be carried out in three phases: Phase-I comprising 1:4,000 scale detailed geological mapping, surface sampling, and pitting/trenching to delineate graphite-bearing zones; Phase-II involving 10 line-km of SP surveys over the identified prospective areas to establish the continuity of graphite mineralization; and Phase-III comprising systematic drilling at 200 m spacing (approximately 500 m of drilling) to achieve 30 m vertical intersections.
- i. 46% of area is covered by Recorded Forest.

Sl. No.	Agency	Brief Comments
1	GSI	The source/reference for the FC values reported for 03 samples in of the DPR proposal has not been cited and requires verification. Accordingly, the proposed block may be considered for G3-stage Graphite investigation subject to confirmation of the referenced data.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The modified DPR incorporates the observations of DoMG; however, it does not include the borehole plan or the graphite lenses/pockets identified during G4 exploration. Accordingly, the DPR may be revised with proper justification for the proposed drilling in areas lacking surface graphite exposures.
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area (approx. 43.18%).

Recommendations of TCC-1:

The committee recommended the proposal titled Preliminary Exploration (G3) for Graphite and associated Critical Minerals in Kandegaon Block, District: Kalahandi, Odisha" for approval of PSC, NMEDT with an estimated cost of Rs. 168.61 lakhs (including GST) with a timeline of 12 months for carrying out the proposed work and submission of report as per Annexure – 2A & 2B. The item will be reviewed after 3, 6 and 9 months.

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Annexure 2A

Estimated Cost for Preliminary Exploration (G3) for Graphite and associated Critical Minerals in Kandegaon Block, District: Kalahandi, Odisha**Total area - 12.24 Sq.km; Period of completion - 12 months, Review - After 3, 6 and 9 months****1st Phase: Mapping, Sampling, Trenching; 2nd Phase: GP survey; 3 phase: Drilling****Drilling meterage: 500 m (Tentative); Total BH: 10 (30 m vertical intersection)**

SL.No	Item Of Work*	Unit*	Rate As Per NMEDT SOC 2025		Estimated Cost of the Proposal		Remarks
			SOC. Item No	Rate As Per revised SOC* (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Detailed Geological Mapping with contouring (4000 scale) Other Geological Work & Surveying						
i	Geological mapping (1:4,000) with contouring, Trenching & Drilling work	Per Sq. km	1.1	18300	12.24	₹ 223,992.00	
ii	a. Charges for 2 Geologist per day (Field) for Geological mapping & Trenching work, drilling activity (without labour)	day	1.2.1a	₹ 14,500.00	120	₹ 1,740,000.00	
iii	b. Labours charges; Base rate (for 2 labours per geologists)	day	5.8	₹ 556.00	240	₹ 133,440.00	
iv	c. Charges for Geologist per day (HQ)	day	1.2.1a	₹ 10,500.00	30	₹ 315,000.00	
	Sub Total- A					₹ 2,412,432.00	
B	Trenching/Pitting						
i	Trenching	per cu.m	2.1.1	₹ 4,125.00	150	₹ 618,750.00	
	Sub Total- B					₹ 618,750.00	
C	Survey work						
i	Charges for one qualified surveyor	day	1.3.1	₹ 10,500.00	30	₹ 315,000.00	
ii	DGPS Survey for BH fixation & RL determination	Per Point of observation of observation	1.3.2	₹ 24,000.00	14	₹ 336,000.00	(10BH + 4 Cardinal points)

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iii	Labours Charges for survey work; Base rate	day	5.8	₹ 556.00	120	₹ 66,720.00	
Sub Total- C						₹ 717,720.00	
D	Ground Geophysical Survey (in- house)						
i	Charge for SP survey	Line km	3.3a	₹ 62,140.00	10	₹ 621,400.00	
ii	Charges for Geophysicist per day (HQ)	day	3.18	₹ 10,500.00	10	₹ 105,000.00	
Sub Total- D						₹ 726,400.00	
E	Drilling (after review) (in-house)						
i	Systematic Drilling (Hard rock) (HQ) in first Level	per m	2.2.1.1d	₹ 10,000.00	500	₹ 5,000,000.00	
ii	Land / Crop Compansation (in case the BH falls in agricultural Land)	per borehole	5.6	₹ 30,000.00	10	₹ 300,000.00	
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	₹ 2,000.00	10	₹ 20,000.00	
iv	Miscellaneous charges (Transportation of drilling rigs, accomodation for drilling camp, camp setting and winding construction of approach road making and drill core preservation)	Lumpsum	2.2.9	For drilling cost upto 50 lakhs		₹ 1,250,000.00	For drilling cost upto 50 Lakhs: 25% of drilling cost
v	Drill core preservation	per m	X	₹ 1,590.00	250	₹ 397,500.00	1 complete BH + remaining mineralized zones
vi	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	₹ 7,850.00	55	₹ 431,750.00	
vii	Charges for Labour	day	5.8	₹ 556.00	220	₹ 122,320.00	
Sub Total- E						₹ 7,521,570.00	
F	Laboratory Studies						
1	Chemical Analysis						
i)	Surface Samples+ Trench samples+ BH Core samples						
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	370	₹ 1,337,180.00	BRS/ Grooveline sampling=50, Trench

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							samples=120, BH Core sample=200
b	Proximate analysis for graphite (10% external check)	Nos	4.1.18	₹ 3,614.00	37	₹ 133,718.00	
c	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements+9 Trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)	Nos	4.1.15	₹ 7,400.00	20	₹ 148,000.00	Trench=10, BH Core sample=10
d	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements+9 Trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)	Nos	4.1.15	₹ 7,400.00	2	₹ 14,800.00	
	Whole rock analysis	Nos	4.1.17a	₹ 4,200.00	10	₹ 42,000.00	
2	Physical & Petrological Studies						
i	Preparation of Standard polished thin section of rock	Nos	4.3.2	₹ 800.00	10	₹ 8,000.00	
ii	Complete petrographic/ ore microscopic study/ mineragraphic report of rock sample (along with 5 nos. digital photo micrograph)	Nos	4.3.4	₹ 2,800.00	10	₹ 28,000.00	
iii	Bulk density analysis	Nos	4.8.3	₹ 2,500.00	5	₹ 12,500.00	
iv	Raman Spectroscopy	per hour	4.5.1	₹ 2,700.00	5	₹ 13,500.00	
	Sub Total- F					₹ 1,737,698.00	
G	Total A to F					₹ 13,734,570.00	
H	Geological Report Preparation	Soft copy	5.2 (ii)	total cost of project exceeding 50 lakh and less than 150 lakh		₹ 250,000.00	soft copy to NMEDT and uploading on NGDR portal.
I	Peer review Charges	As per EC decision		₹ 30,000.00	1	₹ 30,000.00	

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J	Preparation of Exploration Proposal (soft copy)	soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is lower		₹ 274,691.40	
K	Total Estimated Cost without GST					₹ 14,289,261.40	
L	Provision for GST (18% of L)					₹ 2,572,067.05	GST will be reimbursed as per actual and as per notified prescribed rate
M	Total Estimated Cost with GST					₹ 16,861,328.45	
				Rs. In Lakhs		₹ 168.61	
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						

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Preliminary Exploration (G3) for Graphite and associated Critical Minerals in Kandegaon Block, District: Kalahandi, Odisha													Annexure 2B					
Item of work	Months																	
	1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	REVIEW	10	11	12			
Camp Setup																		
Detailed Geological Mapping (1:4,000)																		
Topographic survey (4m contour interval)																		
Bed Rock Sampling, Grooveline sampling and trenching																		
Chemical analysis of surface samples																		
Geophysical SP survey																		
Interpretation of SP data																		
Drilling																		
Sampling of drill cores																		
Analysis of drill core samples																		
Petrographic sttudy																		
Review by external peer reviewer																		
Geological report preparation																		

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Agenda 100.1.8. Preliminary Exploration (G3 Stage) Of Graphite in Jhiripani Block, Kalahandi and Kandhamal Districts, Odisha
Proposal ID: ME/DD/G3/OD/26-27/079

[Implementing Agency: M/s MMPL Private Limited]

- a. The proposed block falls within Survey of India Toposheet Nos. 64P/12 and 65M/9. Geologically, the area comprises charnockite, granite gneiss, khondalite, leptynite, and calc-silicate gneiss.
- b. GSI investigations (FS: 1982–83) in the Turekela–Bakbera area reported graphite-rich zones between Mahanilaha and Rengali villages and recommended detailed exploration, including pitting and trenching, extending up to the Urladani Reserve Forest. The investigations also established that graphite mineralization is controlled by tightly folded graphite bands within synformal structures, indicating favourable structural controls for further exploration.
- c. Subsequent GSI investigations (FS: 1983–84) identified seven graphite-bearing linear zones (five in Bolangir and two in Kalahandi) and estimated graphite resources down to 10 m depth, indicating the potential for large-tonnage deposits despite low grades. Trenching and drilling further established good subsurface continuity, with graphite bodies ranging from 0.2 m to 4.7 m in thickness confirmed through drilling of geophysical anomalies in the Turekela area.
- d. The agency informed the committee that field traverses were carried out within the proposed block, during which three bedrock samples were collected. The analytical results indicated graphite mineralization, with fixed carbon (FC) values ranging from 1.95% to 14.24%.
- e. The committee reviewed the proposal and observed that only a small portion of the proposed area has been covered under G4-stage exploration by DGM, Odisha, while large-scale mapping (LSM) data are not available for the remaining area.
- f. It was further noted that the proposed block falls within an NMEDT-funded Regional Mineral Targeting (RMT) project currently being executed by NRD-TATA. Accordingly, the committee decided not to consider the proposal until completion of the RMT project and availability of the updated exploration dataset.

Sl. No.	Agency	Brief Comments
1	GSI	The source/reference for the FC values reported for 03 samples in of the DPR proposal has not been cited and requires verification. Accordingly, the proposed block may be considered for G3-stage Graphite investigation subject to confirmation of the referenced data.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The modified DPR incorporates the observations of DoMG; however, it does not include the borehole plan or the graphite lenses/pockets identified during G4 exploration. Accordingly, the DPR may be revised with proper justification for the proposed drilling in areas lacking surface graphite exposures.

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5	NMEDT	The proposed block overlaps with NRD TATA RMT project and some area falls in Recorded Forest Area (approx. 13.71%).
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Recommendations of TCC-1:

The committee did not recommend the proposal, as the proposed block falls within an NMEDT-funded Regional Mineral Targeting (RMT) project allotted to NRD-TATA, which is currently under execution.

Agenda 100.2: Evaluation of Proposals under S&T-PRISM Programme

Agenda 100.2.1. Indigenous Pilot-Scale Production of High-Purity Zirconium Oxide from Zircon Sand for Critical Material Security and Strategic Applications

[Implementing Agency: JNARDDC]

- a. The committee was informed that the call for project proposals under PRISM 5.0 was launched on 1st March 2026, inviting Start-ups, MSMEs, and Individual Innovators to submit projects of up to two years' duration.
- b. The programme places special emphasis on technologies and innovative solutions for critical minerals across the entire value chain, including exploration, mining, extraction, beneficiation, mineral processing, refining and purification, metal/alloy and product development, recycling, and waste utilization.
- c. The committee was further informed that the Technical Evaluation Committee (TEC) evaluated the proposals received under PRISM 5.0 and, after reviewing the applicants' compliance with its observations in a meeting held on 12th June 2026, recommended 10 proposals for consideration by the Project Sanctioning Committee (PSC) based on their technical merit.
- d. The committee was informed that the Project Sanctioning Committee (PSC) of S & T component, in its 1st meeting held on 25.06.2026, approved eight (8) project proposals for funding under the S&T-PRISM Component.
- e. The eight projects were accorded administrative approval of Ministry of mines on 10th July, 2026.
- f. The committee was informed that this proposal aims to develop and demonstrate a pilot-scale, indigenous, scalable, and cost-effective technology for producing 99.5–99.9% pure zirconia from zircon sand, supporting advanced and strategic applications, critical mineral self-reliance, and import substitution.
- g. The project is expected to deliver a pilot-scale validated process for producing high-purity zirconia, along with a process design package, by-product recovery protocol, application validation, a techno-economic feasibility report, and a commercialization-ready technology package.
- h. The committee reviewed the proposal and recommended for funding by NMEDT as per Table 1.

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Table 1: Budget Breakup

Expenditure head	Total expenditure (in ₹ Lakhs)	Funds committed by applicant (in ₹ Lakhs)	Funding from NMEDT (in ₹ Lakhs)
R&D	40	40	0
Prototyping	135	33.75	101.25
Testing trials & piloting	53	17	36
Total	228	90.75	137.25

Recommendations of TCC-1:

The committee recommended the proposal titled “Indigenous Pilot-Scale Production of High-Purity Zirconium Oxide from Zircon Sand for Critical Material Security and Strategic Applications” for approval of PSC, NMEDT with an estimated cost of Rs. 137.25 lakhs with a timeline of 21 months for carrying out the proposed work and submission of report to NMEDT.

Agenda 100.2.2. Establishment of Pilot Plant for Production of NdFeB Alloy powder and Rare Earth Compressed Bonded Magnet from it for Electric Vehicle and Renewable Energy Application

[Implementing Agency: JNARDDC]

- a. The committee was informed that the call for project proposals under PRISM 5.0 was launched on 1st March 2026, inviting Start-ups, MSMEs, and Individual Innovators to submit projects of up to two years' duration.
- b. The programme places special emphasis on technologies and innovative solutions for critical minerals across the entire value chain, including exploration, mining, extraction, beneficiation, mineral processing, refining and purification, metal/alloy and product development, recycling, and waste utilization.
- c. The committee was further informed that the Technical Evaluation Committee (TEC) evaluated the proposals received under PRISM 5.0 and, after reviewing the applicants' compliance with its observations in a meeting held on 12th June 2026, recommended 10 proposals for consideration by the Project Sanctioning Committee (PSC) based on their technical merit.
- d. The committee was informed that the Project Sanctioning Committee (PSC) of S & T component, in its 1st meeting held on 25.06.2026, approved eight (8) project proposals for funding under the S&T-PRISM Component.
- i. The eight projects were accorded administrative approval of Ministry of mines on 10th July, 2026.
- e. The committee was informed that the present proposal aims to develop a pilot-scale process for producing 30 kg/day of NdFeB alloy powder and bonded magnets, and to scale up melt spinning, milling, binder formulation, and compaction/moulding processes to Technology Readiness Level (TRL)-7.
- f. The project is expected to establish a pilot plant for the production of 30 kg/day of NdFeB rare earth alloy powder and the manufacture of rare earth compression-bonded magnets from the produced alloy powder.
- g. The committee reviewed the proposal and recommended for funding by NMEDT as per Table 2.

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Table 2: Budget Breakup

Expenditure head	Total expenditure (in ₹ Lakhs)	Funds committed by applicant (in ₹ Lakhs)	Funding from NMEDT (in ₹ Lakhs)
R&D	7	7	0
Prototyping	4	4	0
Testing trials & piloting	339	159	180
Total	350	170	180

Recommendations of TCC-1:

The committee recommended the proposal titled “Establishment of Pilot Plant for Production of NdFeB Alloy powder and Rare Earth Compressed Bonded Magnet from it for Electric Vehicle and Renewable Energy Application” for approval of PSC, NMEDT with an estimated cost of Rs. 180 lakhs with a timeline of 24 months for carrying out the proposed work and submission of report to NMEDT.

Agenda 100.2.3. Strategic extraction of critical materials and precious elements from end-of-life printed circuit boards via novel solvothermal and deep eutectic solvent routes

[Implementing Agency: JNARDDC]

- a. The committee was informed that the call for project proposals under PRISM 5.0 was launched on 1st March 2026, inviting Start-ups, MSMEs, and Individual Innovators to submit projects of up to two years' duration.
- b. The programme places special emphasis on technologies and innovative solutions for critical minerals across the entire value chain, including exploration, mining, extraction, beneficiation, mineral processing, refining and purification, metal/alloy and product development, recycling, and waste utilization.
- c. The committee was further informed that the Technical Evaluation Committee (TEC) evaluated the proposals received under PRISM 5.0 and, after reviewing the applicants' compliance with its observations in a meeting held on 12th June 2026, recommended 10 proposals for consideration by the Project Sanctioning Committee (PSC) based on their technical merit.
- d. The committee was informed that the Project Sanctioning Committee (PSC) of S & T component, in its 1st meeting held on 25.06.2026, approved eight (8) project proposals for funding under the S&T-PRISM Component.
- j. The eight projects were accorded administrative approval of Ministry of mines on 10th July, 2026.
- e. The committee was informed that the present proposal aims to develop a 100 kg/day pilot-scale process for pre-processing printed circuit boards (PCBs), including shredding, granulation, size separation, and metallic/non-metallic fraction separation, and to demonstrate solvothermal debromination at the same scale with 95% bromine removal, ~80% solvent recovery, zero liquid discharge (ZLD) compliance, and validation over 10 consecutive cycles.
- f. The project is expected to deliver an integrated pilot-scale process (100 kg/day) for recycling waste printed circuit boards (PCBs) through solvothermal debromination and selective metal recovery using green solvent-based

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solvometallurgical routes.

- g. The committee reviewed the proposal and recommended for funding by NMEDT as per Table 3.

Table 3: Budget Breakup

Expenditure head	Total expenditure (in ₹ Lakhs)	Funds committed by applicant (in ₹ Lakhs)	Funding from NMEDT (in ₹ Lakhs)
R&D	21.50	6	15.50
Prototyping	43	10	33
Testing trials & piloting	21.50	5.50	16
Total	86	21.5	64.50

Recommendations of TCC-1:

The committee recommended the proposal titled “Strategic extraction of critical materials and precious elements from end-of-life printed circuit boards via novel solvothermal and deep eutectic solvent routes” for approval of PSC, NMEDT with an estimated cost of Rs. 64.50 lakhs with a timeline of 24 months for carrying out the proposed work and submission of report to NMEDT

Agenda 100.2.4. Zero-Waste Recovery of High-Purity Nickel from Pharmaceutical Spent Catalyst Sludge

[Implementing Agency: JNARDDC]

- The committee was informed that the call for project proposals under PRISM 5.0 was launched on 1st March 2026, inviting Start-ups, MSMEs, and Individual Innovators to submit projects of up to two years' duration.
- The programme places special emphasis on technologies and innovative solutions for critical minerals across the entire value chain, including exploration, mining, extraction, beneficiation, mineral processing, refining and purification, metal/alloy and product development, recycling, and waste utilization.
- The committee was further informed that the Technical Evaluation Committee (TEC) evaluated the proposals received under PRISM 5.0 and, after reviewing the applicants' compliance with its observations in a meeting held on 12th June 2026, recommended 10 proposals for consideration by the Project Sanctioning Committee (PSC) based on their technical merit.
- The committee was informed that the Project Sanctioning Committee (PSC) of S & T component, in its 1st meeting held on 25.06.2026, approved eight (8) project proposals for funding under the S&T-PRISM Component.
- The eight projects were accorded administrative approval of Ministry of mines on 10th July, 2026.
- The committee was informed that the present proposal aims to develop a process for high-purity nickel recovery with efficient removal of sulphur and other impurities, while establishing a zero-waste framework through the production of value-added soda, alumina, and nickel sulphate, thereby eliminating hazardous waste generation and enhancing resource efficiency.
- The project is expected to deliver a validated zero-waste process for producing high-purity nickel, nickel sulphate, soda, and alumina from pharmaceutical spent catalyst sludge, enabling resource recovery and value addition.

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- g. The committee reviewed the proposal and recommended for funding by NMEDT as per Table 4.

Table 4: Budget Breakup

Expenditure head	Total expenditure (in ₹ Lakhs)	Funds committed by applicant (in ₹ Lakhs)	Funding from NMEDT (in ₹ Lakhs)
R&D	25	10	15
Prototyping	100	25	75
Testing trials & piloting	125	55	70
Total	250	90	160

Recommendations of TCC-1:

The committee recommended the proposal titled “Zero-Waste Recovery of High-Purity Nickel from Pharmaceutical Spent Catalyst Sludge” for approval of PSC, NMEDT with an estimated cost of Rs. 160 lakhs with a timeline of 24 months for carrying out the proposed work and submission of report to NMEDT.

Agenda 100.2.5. Innovative Zero-Waste Technology for Battery-Grade Nickel Sulphate Production from Petrochemical sludge

[Implementing Agency: JNARDDC]

- The committee was informed that the call for project proposals under PRISM 5.0 was launched on 1st March 2026, inviting Start-ups, MSMEs, and Individual Innovators to submit projects of up to two years' duration.
- The programme places special emphasis on technologies and innovative solutions for critical minerals across the entire value chain, including exploration, mining, extraction, beneficiation, mineral processing, refining and purification, metal/alloy and product development, recycling, and waste utilization.
- The committee was further informed that the Technical Evaluation Committee (TEC) evaluated the proposals received under PRISM 5.0 and, after reviewing the applicants' compliance with its observations in a meeting held on 12th June 2026, recommended 10 proposals for consideration by the Project Sanctioning Committee (PSC) based on their technical merit.
- The committee was informed that the Project Sanctioning Committee (PSC) of S & T component, in its 1st meeting held on 25.06.2026, approved eight (8) project proposals for funding under the S&T-PRISM Component.
- The eight projects were accorded administrative approval of Ministry of mines on 10th July, 2026.
- The committee was informed that the present proposal aims to develop an innovative zero-waste process for the recovery of battery-grade nickel sulphate from petrochemical sludge, while ensuring complete utilization of process residues through the recovery of value-added by-products such as alumina and calcium sulphate.
- The project is expected to deliver a validated process for the production of battery-grade nickel sulphate, along with the recovery of value-added by-products, including alumina and calcium sulphate, through a zero-waste processing route.
- The committee reviewed the proposal and recommended for funding by NMEDT as per Table 5.

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Table 5: Budget Breakup

Expenditure head	Total expenditure (in ₹ Lakhs)	Funds committed by applicant (in ₹ Lakhs)	Funding from NMEDT (in ₹ Lakhs)
R&D	25	5	20
Prototyping	125	35	90
Testing trials & piloting	140	60	80
Total	290	100	190

Recommendations of TCC-1:

The committee recommended the proposal titled “Innovative Zero-Waste Technology for Battery-Grade Nickel Sulphate Production from Petrochemical sludge” for approval of PSC, NMEDT with an estimated cost of Rs. 190 lakhs with a timeline of 24 months for carrying out the proposed work and submission of report to NMEDT.

Agenda 100.2.6. Development of Bio Hydrometallurgical Process for Scalable Recovery of Titanium and Associated Critical Minerals from Coal Mine Overburden

[Implementing Agency: JNARDDC]

- a. The committee was informed that the call for project proposals under PRISM 5.0 was launched on 1st March 2026, inviting Start-ups, MSMEs, and Individual Innovators to submit projects of up to two years' duration.
- b. The programme places special emphasis on technologies and innovative solutions for critical minerals across the entire value chain, including exploration, mining, extraction, beneficiation, mineral processing, refining and purification, metal/alloy and product development, recycling, and waste utilization.
- c. The committee was further informed that the Technical Evaluation Committee (TEC) evaluated the proposals received under PRISM 5.0 and, after reviewing the applicants' compliance with its observations in a meeting held on 12th June 2026, recommended 10 proposals for consideration by the Project Sanctioning Committee (PSC) based on their technical merit.
- d. The committee was informed that the Project Sanctioning Committee (PSC) of S & T component, in its 1st meeting held on 25.06.2026, approved eight (8) project proposals for funding under the S&T-PRISM Component.
- m. The eight projects were accorded administrative approval of Ministry of mines on 10th July, 2026.
- e. The committee was informed that the present proposal aims to refine an integrated beneficiation–hydrometallurgical process for the recovery of titanium and critical minerals from coal overburden, optimize extraction and separation for high purity and recovery, and design and validate a pilot-scale process while generating techno-economic data for commercialization.
- f. The project is expected to deliver a validated integrated pilot-scale process for the recovery of titanium and associated critical minerals from coal mine overburden, along with the technical data required for commercial-scale deployment.
- g. The committee reviewed the proposal and recommended for funding by NMEDT as per Table 6.

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Table 6: Budget Breakup

Expenditure head	Total expenditure (in ₹ Lakhs)	Funds committed by applicant (in ₹ Lakhs)	Funding from NMEDT (in ₹ Lakhs)
R&D	27	6.75	20.25
Prototyping	28	7	21
Testing trials & piloting	45	11.25	33.75
Total	100	25	75

Recommendations of TCC-1:

The committee recommended the proposal titled “Development of Bio Hydrometallurgical Process for Scalable Recovery of Titanium and Associated Critical Minerals from Coal Mine Overburden” for approval of PSC, NMEDT with an estimated cost of Rs. 75 lakhs with a timeline of 24 months for carrying out the proposed work and submission of report to NMEDT.

Agenda 100.2.7. Sustainable Recycling of Titanium Machining Scrap for High Performance Applications in Corrosive Environments

[Implementing Agency: JNARDDC]

- a. The committee was informed that the call for project proposals under PRISM 5.0 was launched on 1st March 2026, inviting Start-ups, MSMEs, and Individual Innovators to submit projects of up to two years' duration.
- b. The programme places special emphasis on technologies and innovative solutions for critical minerals across the entire value chain, including exploration, mining, extraction, beneficiation, mineral processing, refining and purification, metal/alloy and product development, recycling, and waste utilization.
- c. The committee was further informed that the Technical Evaluation Committee (TEC) evaluated the proposals received under PRISM 5.0 and, after reviewing the applicants' compliance with its observations in a meeting held on 12th June 2026, recommended 10 proposals for consideration by the Project Sanctioning Committee (PSC) based on their technical merit.
- d. The committee was informed that the Project Sanctioning Committee (PSC) of S & T component, in its 1st meeting held on 25.06.2026, approved eight (8) project proposals for funding under the S&T-PRISM Component.
- n. The eight projects were accorded administrative approval of Ministry of mines on 10th July, 2026.
- e. The committee was informed that the present proposal aims to develop a process for producing high-purity titanium metal from industrial machining scrap and to design and fabricate a vacuum arc melting furnace for the production of oxygen- and nitrogen-free titanium.
- f. The project is expected to deliver a validated process for recycling titanium machining scrap through vacuum arc melting with integrated casting, along with validation of the purity, mechanical properties, and corrosion resistance of the produced titanium ingots.
- g. The committee reviewed the proposal and recommended for funding by NMEDT as per Table 7.

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Table 7: Budget Breakup

Expenditure head	Total expenditure (in ₹ Lakhs)	Funds committed by applicant (in ₹ Lakhs)	Funding from NMEDT (in ₹ Lakhs)
R&D	55	50	5
Prototyping	160	40	120
Testing trials & piloting	35	8.75	26.26
Total	250	98.75	151.25

Recommendations of TCC-1:

The committee recommended the proposal titled “Sustainable Recycling of Titanium Machining Scrap for High Performance Applications in Corrosive Environments” for approval of PSC, NMEDT with an estimated cost of Rs. 151.25 lakhs with a timeline of 18 months for carrying out the proposed work and submission of report to NMEDT.

Agenda 100.2.8. Scale-up and Engineering Optimization of Lithium-First Selective Recovery Process from Lab-Scale Batch to Semi Continuous Pilot System for Li-ion Battery Black Mass

[Implementing Agency: JNARDDC]

- a. The committee was informed that the call for project proposals under PRISM 5.0 was launched on 1st March 2026, inviting Start-ups, MSMEs, and Individual Innovators to submit projects of up to two years' duration.
- b. The programme places special emphasis on technologies and innovative solutions for critical minerals across the entire value chain, including exploration, mining, extraction, beneficiation, mineral processing, refining and purification, metal/alloy and product development, recycling, and waste utilization.
- c. The committee was further informed that the Technical Evaluation Committee (TEC) evaluated the proposals received under PRISM 5.0 and, after reviewing the applicants' compliance with its observations in a meeting held on 12th June 2026, recommended 10 proposals for consideration by the Project Sanctioning Committee (PSC) based on their technical merit.
- d. The committee was informed that the Project Sanctioning Committee (PSC) of S & T component, in its 1st meeting held on 25.06.2026, approved eight (8) project proposals for funding under the S&T-PRISM Component.
- e. The eight projects were accorded administrative approval of Ministry of mines on 10th July, 2026.
- e. The committee was informed that the present proposal aims to scale up a lithium-first selective recovery process for lithium-ion battery black mass from laboratory-scale batch operations to a 500 kg/day semi-continuous pilot system, while enhancing lithium recovery to 90% and maintaining 95% recovery of cobalt, nickel, and manganese through optimization of the roasting, leaching, and crystallization processes.
- f. The project is expected to deliver a 500 kg/day semi-continuous pilot system for selective recovery of metals from lithium-ion battery black mass, including the production of battery-grade lithium carbonate, high lithium and critical metal recovery, prototype process systems, and a scale-up readiness report.

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- g. The committee reviewed the proposal and recommended for funding by NMEDT as per Table 8.

Table 8: Budget Breakup

Expenditure head	Total expenditure (in ₹ Lakhs)	Funds committed by applicant (in ₹ Lakhs)	Funding from NMEDT (in ₹ Lakhs)
R&D	10	5	5
Prototyping	160	45	115
Testing trials & piloting	80	25	55
Total	250	75	175

Recommendations of TCC-1:

The committee recommended the proposal titled “Scale-up and Engineering Optimization of Lithium-First Selective Recovery Process from Lab-Scale Batch to Semi Continuous Pilot System for Li-ion Battery Black Mass” for approval of PSC, NMEDT with an estimated cost of Rs. 175 lakhs with a timeline of 12 months for carrying out the proposed work and submission of report to NMEDT.

Agenda 100.3: Review of Ongoing Procurement Proposal

Agenda 100.3.1. Financial Assistance from NMEDT funds to procure Machinery Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DMG Karnataka]

- The committee was apprised, the project was approved by EC in its 27th meeting held on 10th January, 2023. The Sanction order was issued on 24.03.2023 for the procurement of ICPMS (1 no.), WD-XRF (1 no.), and Rock cutting polishing & mounting unit (1 no.) with an estimated cost of 417 lakhs and timeline of 12 months (up to 23.03.2024). The timeline was extended up to 30.09.2024, 31.10.2025, 30.04.2026 and 31.01.2027 in 35th EC, 38th EC, 3rd and 9th PSC meetings respectively.
- DMG Karnataka apprised the committee regarding the status of procurement and informed the committee that ICPMS have been procured. However, procurement of WD-XRF and rock cutting, polishing and mounting unit is still not completed and currently under progress.
- During 96th meeting of TCC-1, the agency has sought modification in the specifications of rock cutting polishing & mounting unit with modern facilities. The committee did not agree for the modifications and suggested the agency to adhere to the specifications as approved by NMEDT.
- The agency had informed the Committee that an additional ₹450.29 lakh is required to complete the procurement.
- The agency had informed the Committee that the additional procurement cost is proposed to be met from the NMEDT incentive funds already sanctioned.
- The Committee, while reviewing the proposal in the 98th TCC-I meeting, observed that, since NMEDT has prescribed an upper funding ceiling for each instrument, the proposal

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to utilize the sanctioned NMEDT incentive funds towards the additional procurement cost requires examination in accordance with the NMEDT Procurement Rules and the provisions of the Incentive Scheme. Accordingly, the Committee kept its decision on the proposal in abeyance.

- g. The Committee deliberated the proposal and informed the agency that NMEDT will reimburse the procurement cost only as per the rates and specifications approved in the original sanction.
- h. The Committee further observed that the utilization of NMEDT incentive funds to meet the additional procurement cost is a matter to be decided between the State Government and the State DGM, and does not fall within the purview of the Committee.

Recommendations of TCC-1:

The Committee informed the agency that procurement cost will be reimbursed only as per the rates and specifications approved in the original sanction.

Agenda 100.3.2. Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DGM Madhya Pradesh]

- a. DGM, MP informed that the project was approved in the 29th EC Meeting held on 31.03.2023. The sanction order was issued on 13th April, 2023 with timeline of 12 months (up to 12.04.2024) and approved cost was INR 1,61,35,000/-.
- b. Timeline was extended upto 12.05.2025 by EC in its 39th meeting.
- c. The agency further informed that the first instalment (40% of the sanctioned amount) was released on 13.04.2023, and its Utilization Certificate (UC) was submitted to NMEDT on 01.03.2024. The second instalment (40%) was sanctioned on 11.03.2024, and the corresponding UC was submitted on 26.11.2024.
- d. The agency informed that the procurement process faced repeated delays as only a single bidder participated in the first and second tenders, necessitating cancellation and re-tendering. Considering the specialized nature of the equipment and the limited vendor base, procurement through the GeM portal was subsequently recommended.
- e. The tender was thereafter published on GeM, where two bids were received but found technically non-compliant. A fresh tender has since been published on GeM and is currently live.
- f. The agency further informed the Committee that, due to the approved cost being insufficient to procure four core splitters, it proposes to procure two core splitters instead.
- g. The Committee informed the agency that NMEDT has already approved the maximum funding ceiling for the core splitters and reimbursement beyond the prescribed upper ceiling is not permissible.
- h. The agency may submit revised proposal for discussion.
- i. The committee agreed for extension of timeline upto 30.11.2026.

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Recommendations of TCC-1:

The committee recommended timeline extension from 12.05.2025 to 30.11.2026 for approval of PSC, NMEDT. Timeline extension is recommended for completion of procurement.

Agenda 100.3.3. Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DGM Madhya Pradesh]

- a. DGM, MP informed that the project was approved by Secretary, Mines on 12.03.2024 and ratified in the 34th EC Meeting held on 13.03.2024. The sanction order was issued on 12th March, 2024 with timeline of 12 months (up to 11.03.2025) and approved cost was INR 6,44,74,000/-.
- b. The procurement process was delayed as no bidder participated in the first tender. Considering the limited market availability of vendors for the specialized equipment, stakeholder consultations were undertaken and the technical specifications are being revised based on vendor feedback before re-tendering.
- c. Further, DGM, Madhya Pradesh informed the Committee that they had been sanctioned a hydrostatic truck-mounted drilling rig with a drilling capacity of 600 m, without CAMS, operator or accessories. However, as per their operational requirement, they requested a truck-mounted drilling rig with a drilling capacity of 300 m instead of 600m capacity. The committee suggested to submit a revised proposal to NMEDT with justification.
- d. The agency sought timeline extension.
- e. The committee reviewed the proposal and recommended time line extension.

Recommendations of TCC-1:

The committee recommended timeline extension from 12.05.2025 to 31.03.2027 for approval of PSC, NMEDT. Timeline extension is recommended for completion of procurement.

100.4: Project Evaluation for In-Principle Approval

Agenda 100.4.1. Preliminary Exploration (G3) for REE and RM at Nawadih Block (2.16 Sq. Km.), Banka District, Bihar.

Proposal ID: ME/IN/G3/BR/P/26-27/129

[Implementing Agency: M/s Mining Associates Private Limited]

- a. The proposed block falls within Survey of India Toposheet No. 72L/9. Geologically, the area is underlain by intrusive granite and granite gneiss of the Chhotanagpur Gneissic Complex, which constitute favourable host rocks for REE and rare metal (RM) mineralization.
- b. GSI's G4-stage reconnaissance survey (FS: 2024–25) in the Gorhiyarwa–Bela area reported TREE values up to 1,013 ppm in bedrock samples within the Nawadih Block. Intrusive granites also recorded significant rare metal enrichment, with Nb values up to 247 ppm and Y values up to 587 ppm. In addition, soil auger samples from the proposed block yielded TREE values ranging from 643.84 ppm

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- to 5,158.44 ppm, with several samples exceeding 1,000 ppm, while stream sediment samples assayed TREE values up to 776.02 ppm.
- Based on the available exploration data, the agency proposed a G3-stage exploration project to evaluate the REE and RM potential of the area. The proposed work programme includes 1:2,000 scale detailed geological mapping, geochemical sampling, pitting/trenching, and exploratory drilling to assess mineral resources under the UNFC 333 category.
 - The committee reviewed the proposal and observed that approximately 80% of the proposed block overlaps with GSI's approved G3-stage exploration block for FS: 2027–28. Accordingly, the committee advised the agency to revise the block boundary to eliminate the overlap before resubmission.

Sl. No.	Agency	Brief Comments
1	GSI	80% of the Nawadih Block overlaps with the Bora Block already proposed by GSI, State Unit: Bihar, for G3-stage exploration in FS 2027–28. The overlap may lead to duplication of exploration efforts and should be considered to ensure optimal resource utilization and effective exploration planning.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The Nawadih REE block doesn't overlap with any of DGM existing blocks in the area.
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee did not recommend the proposal, as a major part of the proposed area overlaps with GSI's proposed G3-stage exploration project for FS: 2027–28. The agency was advised to revise the block boundary to eliminate the overlap before resubmission.

Agenda 100.4.2. Reconnaissance Survey (G-4) for REE bearing Minerals in Placers of Siwana Ring Complex (SRC) near village Hinglaj – Piploon, Siwana Westcentral with Special Emphasis on Alluvial & Aeolian Sediments, Siwana, District Balotra, Rajasthan. Proposal ID: ME/IN/G4/RJ/P/26-27/121

[Implementing Agency: M/s Deepsar Mineral Explorer]

- The proposed block falls within Toposheet No. 45C/06 and is underlain by plutonic and volcanic rocks of the Neoproterozoic Malani Igneous Suite, predominantly comprising medium- to coarse-grained pink rhyolite with vesicles and green mafic minerals such as riebeckite, arfvedsonite, aegirine, and aegirine-augite.
- The area forms part of Siwana Ring Complex of Rajasthan.
- The Committee reviewed the proposal and observed that the proposed area falls

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within the main Siwana Ring Complex, where regional-scale rapid assessment of soil-covered terrains for identification of high-potential REE and RM mineralized zones is currently underway. Since, future exploration strategy will be finalized based on the outcome of this assessment, the Committee did not consider the proposal at this stage.

Sl. No.	Agency	Brief Comments
1	GSI	At present, G4 stage exploration is completed in the area, one G3 stage and one G2 stage exploration projects have been taken up by GSI during FS 2022–23, 2026–27 with one G3-stage project proposed for FS 2027–28 in the proposed area. GSI investigations indicate localized and discontinuous REE-bearing heavy mineral concentrations with limited stream-bed sediment development. The block may be considered for REE exploration after remote sensing and geomorphological studies to identify favorable target zones.
2	MECL	The Hinglaj–Piploon Block of M/s Deepsar Mineral Explorer is partially overlapping with the ongoing Bhimgoda South Block and the consented Koliyasar East Block of MECL .
3	AMD	The proposed block partially overlaps with the AMD notified Rebariyon ki Dhani block & Nal block where subsurface exploration is under process. In view of the above, the proposed block may be modified accordingly to avoid duplication of work.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block overlaps with NMEDT funded projects and some area falls in Recorded Forest Area (approx. 30%).

Recommendations of TCC-1:

The Committee did not approve the proposal, as the area falls within the main Siwana Ring Complex where regional-scale rapid assessment and delineation of high-potential REE and RM mineralized zones in soil-covered terrains are currently in progress. Further, exploration will be planned based on the outcome of this ongoing study.

Agenda 100.4.3. Reconnaissance Survey (G4 Stage) for REE, Zr, Hf, Rb, Sr, Nb, Ta, Ti, V, Ga in Kondapalem block of Alluri Sitharama Raju District, Andhra Pradesh State

Proposal ID: ME/IN/G4/AP/P/26-27/122

[Implementing Agency: M/s Critical Mineral Trackers]

- The proposed block falls within Survey of India Toposheet No. 65K/13 and is underlain by garnet-sillimanite gneiss, quartzite, calc-silicate rocks of the Khondalite Group, migmatite, gneiss, and granitoid gneiss of the Eastern Ghats Mobile Belt (EGMB), which are favourable host rocks for REE and rare metal (RM) mineralization.

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- b. The committee noted that GSI's Specialized Thematic Mapping (STM) and NGCM investigations (FS: 2022–23 to 2024–25) in the Kottakota–Buchayapetta and Vaddadi–Madugula areas identified significant REE and RM mineralization. TREE values up to 2,506 ppm were reported from porphyritic granite, 2,015 ppm from pegmatite veins, and 1,319 ppm from mafic enclaves, while 26 samples recorded TREE values exceeding 500 ppm. In addition, NGCM stream sediment samples yielded TREE values ranging from 242.28 ppm to 3,055.80 ppm, indicating strong REE potential.
- c. Based on the available geological and geochemical data, the agency proposed a G4-stage reconnaissance survey for REE and RM mineralization. The proposed work programme includes large-scale geological mapping, geochemical sampling, pitting/trenching, and scout drilling to evaluate the mineral potential under the UNFC G4 category.
- d. The committee reviewed the proposal and observed that a major part of the proposed block overlaps with GSI's approved G4-stage exploration block (FS: 2027–28) and also with an MECL block for which prior consent has already been accorded to DMG, Andhra Pradesh.
- e. The agency was advised to exclude the overlapping areas, identify a new geologically prospective block, undertake field verification and sampling, and submit a revised proposal supported by adequate exploration data for in-principle consideration.

Sl. No.	Agency	Brief Comments
1	GSI	70% of the proposed NPEA block overlaps with the G4 stage exploration block of GSI approved for FS 2027-28. Therefor the overlapped area may be excluded to avoid the duplication of work for same commodity.
2	MECL	50% of the area of Kondapalem Block overlaps with the MECL block, for which prior consent has been submitted to the DMG Office, Andhra Pradesh. Further, during the recent Joint Working Group meeting, it was indicated that MECL is expected to obtain consent for this block shortly.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects.

Recommendations of TCC-1:

The committee did not recommend the proposal, as major part of the proposed area overlaps with the G4-stage exploration blocks of GSI and MECL. The agency was advised to identify a non-overlapping prospective area and submit a revised proposal.

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Agenda 100.4.4. Reconnaissance Survey (G4) REE & Associated Mineralization in Dhavala - Takhtpura - Sumergarh Area, Jalore District, Rajasthan

Proposal ID: ME/IN/G4/RJ/P/26-27/115

[Implementing Agency: M/s Wattfin Ventures Private Limited]

- a. The proposed block falls within Survey of India Toposheet Nos. 45C/11 and 45C/12 and is underlain by biotite granite, granite porphyry, rhyolite, basalt, quartzite, andesite/andesite porphyry, and dolerite dykes, which constitute favourable host rocks for REE and rare metal (RM) mineralization.
- b. The committee noted that GSI's NGCM and G4-stage exploration in the area and adjoining Ahor–Beria–Ajitpura block reported Y values of 82–157 ppm, Zr values of 570–973 ppm, and TREE values of 212.76–366.08 ppm in stream sediments. G4-stage exploration further recorded Sr values up to 2,343 ppm, Nb values up to 331 ppm, and TREE+Y values up to 1,835.05 ppm in borehole RJJAB-02, indicating LREE enrichment.
- c. Based on the available geological and geochemical data, the agency proposed a G4-stage reconnaissance survey for REE and RM mineralization. The proposed work programme includes large-scale geological mapping, geochemical sampling, pitting/trenching, and scout drilling to evaluate the mineral potential under the UNFC G4 category.
- d. The committee reviewed the proposal and observed that it is primarily based on NGCM stream sediment data, while most of the proposed area is soil-covered. It was further noted that the available exploration data are insufficient to justify a G4-stage exploration proposal.
- e. The committee advised the agency to undertake field verification, collect representative samples across the entire proposed area, and submit a revised proposal for in-principle consideration, subject to encouraging (TREE >1000 ppm) analytical results.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed exploration area demonstrates considerable feasibility for investigating rare earth elements (REE) and their associated minerals. The proposed block submitted by NPEA is strategically positioned in proximity to three G4 projects that have been proposed by the GSI in FS 2025-26 and 2026-27.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	Awaited
4	State DMG/DGM/CGM	Awaited
5	NMEDT	Multiple Mining Lease/ Quarry Leases of Minor Mineral are present within the proposed block. The proposed block do not overlap with NMEDT funded projects

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		however the some area falls in Recorded Forest Area (approx 11.96%).
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Recommendations of TCC-1:

The committee did not recommend the proposal, as the agency had not presented a technically justified proposal supported by adequate exploration data.

The agency was advised to undertake field verification, collect representative samples covering the entire proposed area and submit a revised proposal for in-principle consideration, subject to encouraging analytical results.

Agenda 100.4.5. Reconnaissance Survey for Copper, Gold and Associated Mineral in Pacheri-Kalan Block, Tehsil Khetri, Jhunjhunu District of Rajasthan (G4)

Proposal ID: ME/IN/G4/RJ/P/26-27/116

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

- The proposed block falls within Survey of India Toposheet No. 44P/ and is located in the NE–SW trending Khetri Copper Belt (KCB) of the North Delhi Fold Belt (NDFB), a well-established metallogenic belt known for base metal (Cu–Pb–Zn) and iron mineralization.
- The committee noted that previous GSI investigations (FS: 1975–81) in the Singhana–Muradpur–Pacheri area included 18,471.25 m of drilling in 51 boreholes and analysis of 4,664 core samples for copper, nickel, and cobalt.
- It was further noted that significant copper mineralization was delineated in the Singhana and Muradpur blocks, with estimated resources of 3.06 million tonnes at 0.83% Cu and 1.11 million tonnes at 0.71% Cu, respectively. In contrast, the Pacheri Block recorded only a 1.35 m mineralized intercept grading 0.75% Cu, while the remaining boreholes intersected only patchy low-grade copper mineralization (0.1–0.2% Cu).
- The committee also noted that subsequent GSI investigations, including exploration in Pacheri Kalan (FS: 2005–06) and G3-stage exploration in the Singhana–Muradpur West Intervening Block (FS: 2022–23), did not delineate any significant ore zone or mineralized lode at the prescribed cut-off grades of 0.2% Cu and 15% Fe.
- The committee reviewed the proposal and observed that the area has been extensively explored by GSI and the available geological and exploration evidence does not provide sufficient justification for undertaking a G4-stage exploration in the proposed area.

Sl. No.	Agency	Brief Comments
1	GSI	GSI investigations indicate discontinuous copper mineralization with poor grade and width continuity. Further exploration may be considered only with additional supporting evidence. The proposed G4 area (4.34 km ²) should also be expanded while avoiding overlap with previously explored/proposed blocks.

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2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	Awaited
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects, ESA/ESZ, Tiger Corridor, Protected Area or RFA as per PM Gatishakti portal.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the available geological and exploration evidence is insufficient to justify a G4-stage exploration programme in the proposed area.

Agenda 100.4.6. Reconnaissance Survey for Vanadium and Associated Critical Minerals in Aluminous Laterite of Othagi Block, Bidar District, Karnataka (G4-Stage & 149 Sq. Km.)

Proposal ID: ME/IN/G4/KA/P/26-27/053

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

- The proposed block falls within Survey of India Toposheet No. 56G/01. Geologically, the area is predominantly underlain by basaltic lava flows of the Deccan Traps, which are locally capped by laterite.
- The committee was informed that GSI's NGCM and G4-stage investigations in the region reported significant enrichment of vanadium and scandium within lateritic and basaltic units. NGCM samples recorded vanadium values exceeding 600 ppm and scandium values exceeding 50 ppm, indicating favourable regional potential.
- It was further noted that GSI's exploration in the adjoining Mudbi block (FS: 2024–25) reported vanadium values exceeding 1,000 ppm (with several samples exceeding 1,500 ppm), scandium values greater than 100 ppm, and cobalt values up to 688 ppm, confirming significant critical mineral enrichment.
- The committee noted that four mineralized zones were delineated in the Mudbi block, recording vanadium values ranging from 507 to 3,047 ppm and scandium values up to 174 ppm, indicating mineralization associated with lateritization. In addition, GSI investigations east of the proposed block reported vanadium values up to 4,280 ppm and scandium values up to 104 ppm, further substantiating the regional prospectivity.
- Based on the available geological and geochemical evidence, the agency proposed a G4-stage reconnaissance survey to evaluate vanadium and associated critical mineral mineralization in aluminous laterite.
- The committee reviewed the proposal and observed that the northern part of the proposed block overlaps with GSI's CMAP block. It was further noted that the agency had not generated or presented its own analytical data to substantiate the proposal.
- The committee advised the agency to exclude the overlapping northern portion, undertake field investigations and representative sampling across the remaining

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area and submit a revised DPR supported by analytical data and adequate technical justification.

Sl. No.	Agency	Brief Comments
1	GSI	Two projects have been taken up by GSI, SU: Karnataka and Goa namely Hunsnal block & Chincholl block for exploration, which are having some overlapping with the NPEA proposed block in the northern part.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The occurrence of V, Sc, Ga & associated minerals is established by 2024-25 exploration work of GSI. The area is feasible for G4 stage exploration.
5	NMEDT	The proposed block do not overlap with NMEDT funded projects, ESA/ESZ, Tiger Corridor, Protected Area or RFA as per PM Gatishakti portal.

Recommendations of TCC-1:

The committee approved the proposal in-principle and suggested the agency to submit DPR within 3 months.

The agency was advised to exclude the northern portion overlapping with GSI's CMAP block, undertake detailed field investigations and representative sampling over the remaining area, and submit a revised DPR supported by analytical data and adequate technical justification.

Agenda 100.4.7. Preliminary Exploration (G3-Stage) For Aluminous Laterite, Titanium, Vanadium and Associated Critical Minerals in Gundur, Bidar District, Karnataka (G3-Stage & 4 Sq. Km.).

Proposal ID: ME/IN/G3/KA/P/26-27/034

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

- The proposed block falls within Survey of India Toposheet Nos 56C/13 and the major litho units exposed in the area are basaltic lava flows covered by laterite capping at places.
- During the review of comments received from the agencies, the committee observed that the proposed block completely overlaps with GSI's G3-stage exploration block (FS: 2026–27), which is currently under execution.
- The committee did not recommend the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	The area is potential, a G3 item under the name of Ilhal block from GSI is already taken up/proposed during FS 2026-27 under rolling approval plan.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.

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3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The proposed block has no overlapping with the DMG's ongoing or completed projects. There is no Composite License or Mining Lease for either Major or Minor minerals in the proposed block
5	NMEDT	The proposed block do not overlap with NMEDT funded projects, ESA/ESZ, Tiger Corridor, Protected Area or RFA as per PM Gatishakti portal.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the proposed block completely overlaps with GSI's G3-stage exploration block for FS: 2026–27, which is currently under execution.

Agenda 100.4.8. Preliminary Exploration (G3) of Phosphorite and Associated Rare Earth Elements (REE) Hirapur–Khairwaha Phosphorite Block Chhatarpur District, Madhya Pradesh Proposal ID: ME/IN/G3/MP/P/26-27/124

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

- The proposed block falls within Survey of India Toposheet Nos 54P/03 and it forms part of the Hirapur Phosphorite Belt of the Bijawar Basin in Chhatarpur District. The belt is one of the important phosphorite-bearing regions of central India and is known for the occurrence of phosphorite and associated Rare Earth Element (REE) mineralisation.
- The committee noted that previous investigations by GSI and AMD in the Hirapur, Mardeora, Manakpura, Devpur, Tigoda, and adjoining areas established significant phosphorite mineralization with encouraging P_2O_5 values.
- GSI's G4-stage reconnaissance survey (FS: 2022–23) in the Tigoda–Manakpura–Gorakhpura area reported P_2O_5 values up to 27.61% and total REE values up to 618.19 ppm, indicating promising phosphorite and associated REE mineralization.
- Based on the available geological and exploration data, the agency proposed a G3-stage Preliminary Exploration project to establish the lateral and vertical continuity of phosphorite mineralization and evaluate the associated REE potential.
- The proposed work programme includes 1:4,000 scale detailed geological mapping, geochemical sampling, pitting/trenching, and exploratory drilling to assess mineral resources under the UNFC 333 category.
- The committee reviewed the proposal and accorded in-principle approval. The agency was advised to undertake a field visit, collect representative samples to validate the existing data and submit a detailed DPR for consideration in the next TCC meeting.

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Sl. No.	Agency	Brief Comments
1	GSI	The proposed area is situated within the same area having Bijawar group of rock comprising of Phosphorite deposit as found in previous work, the area may be potential for taking up the phosphorite exploration in the block.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	Awaited
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area (approx 55-60%).

Recommendations of TCC-1:

The committee accorded in-principle approval to the proposal subject to comments from State DGM and AMD. The agency was advised to undertake a field visit, collect representative samples to validate the existing data and submit a detailed DPR for within 3 months.

Agenda 100.4.9. G-3 Stage Exploration of Limestone in Nanhwara Limestone Block, Katni District, Madhya Pradesh.

Proposal ID: ME/IN/G3/MP/P/26-27/114

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

- The proposed block falls within Survey of India Toposheet No. 64A/10 and forms part of the Niwar Limestone Belt of the Mahakoshal Group in the Katni–Jabalpur region of Madhya Pradesh, a well-known belt hosting crystalline and dolomitic limestone deposits that has been extensively explored by GSI.
- Previous GSI investigations in the Niwar Limestone Belt reported extensive limestone occurrences around Sleemanabad, Pondi, Sunhera, Amgawan, and adjoining areas. Detailed exploration, including geological mapping, trenching, drilling, and chemical analysis, established substantial flux-grade limestone resources and confirmed the continuity of the major limestone bands along strike and at depth.
- The agency informed the committee that field traverses were carried out within the proposed block, during which three limestone samples were collected. The analytical results yielded CaO values ranging from 35% to 47%, indicating favourable limestone quality.
- Based on the available geological and exploration data, the agency proposed a G3-stage Preliminary Exploration project for limestone. The proposed work programme includes 1:4,000 scale detailed geological mapping, geochemical sampling, pitting/trenching, and exploratory drilling to assess mineral resources under the UNFC 333 category.

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- e. The committee reviewed the proposal and observed that the available geological database is insufficient to justify a G3-stage exploration programme in the proposed area.
- f. The agency was advised to undertake a field visit, identify the occurrence and lateral continuity of limestone bands, prepare a geological sketch map, collect representative samples and submit a revised proposal with analytical data and adequate technical justification for in-principle approval.

Sl. No.	Agency	Brief Comments
1	GSI	On the basis of previous work carried out by GSI in the area, a good grade carbonate present in the area so it is recommended that the area may be taken for further exploration.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	Awaited
4	State DMG/DGM/CGM	Awaited
5	NMEDT	Proposed block show overlapping with GSI G3 item (FS 1966-67, Limestone investigation in Selected Block B Niwar area) as per NGDR. The proposed block do not overlap with NMEDT funded projects, ESA/ESZ, Tiger Corridor, Protected Area or RFA as per PM Gatishakti portal.

Recommendations of TCC-1:

The committee did not approve the proposal as the available geological database is insufficient to justify a G3-stage exploration programme in the proposed area.

Agenda 100.4.10. Preliminary Exploration (G3 Stage) of Barium, Vanadium and associated Mineralization in Potri Dekh Block, Tehsil- Lohagarh, District - Champawat, Uttarakhand.

Proposal ID: ME/IN/G3/UK/P/26-27/119

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

- a. The proposed block falls within Survey of India Toposheet No. 62C/3. Geologically, the area comprises buff, grey, and carbonaceous phyllites of the Gumalikhet Formation (Almora Group), intruded by leucocratic granite of the Champawat Granite, which constitute the principal lithological units exposed in the area.
- b. GSI's G4-stage reconnaissance survey (FS: 2022-23) in the Chaura-Sirmoli-Lohaghat area covered 50 sq. km (1:12,500 scale) to evaluate the potential for vanadium and associated critical minerals.
- c. 100 bedrock and channel samples collected during the investigation returned vanadium values ranging from 33 to 5,212 ppm, barium values from 164 to 40,518 ppm, yttrium values from 23 to 444 ppm, and molybdenum values from 0.85 to 288 ppm, indicating significant critical mineral enrichment.

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- d. The agency further informed that GSI collected 11 channel samples and 4 bedrock samples from the proposed block, which yielded vanadium values up to 2,705 ppm, barium values up to 18,813 ppm, and molybdenum values up to 125.05 ppm, confirming the prospectivity of the area.
- e. Based on the available geological and exploration data, the agency proposed a G3-stage Preliminary Exploration project to evaluate the vanadium and associated critical mineral potential.
- f. The committee reviewed the proposal and accorded in-principle approval and advised the agency to submit a detailed DPR for consideration in upcoming TCC-I meeting.

Sl. No.	Agency	Brief Comments
1	GSI	No exploration project is currently under execution within the proposed block. However, GSI carried out a G3-stage exploration during FS 2025–26 in the western part of the proposed block. The final report has not yet been circulated. Based on previous study by GSI, the values of V range from 33 ppm to 5212 ppm with Ba values ranging 164 ppm to 40,682 ppm. The higher values of V and Ba are recorded in carbonaceous phyllite and carbonaceous phyllite-grey phyllite interbands.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects, ESA/ESZ, Tiger Corridor, Protected Area or RFA as per PM Gatishakti portal.

Recommendations of TCC-1:

The committee accorded in-principle approval to the proposal. The agency was advised to submit a detailed DPR for consideration within 3 months.

Agenda 100.4.11. Preliminary Exploration (G3 Stage) of Barium, Vanadium, Graphite and associated Mineralization in Balai Block, Tehsil-Lohagarh & Champawat, District - Champawat, Uttarakhand.

Proposal ID: ME/IN/G3/UK/P/26-27/120

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

- a. The proposed block falls within Survey of India Toposheet No. 62C/3. Geologically, the area comprises buff, grey, and carbonaceous phyllites of the Gumalikhet Formation (Almora Group), intruded by leucocratic granite of the Champawat Granite, which constitute the principal lithological units exposed in the area.

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- b. GSI's G4-stage reconnaissance survey (FS: 2022–23) in the Chaura–Sirmoli–Lohaghat area covered 50 sq. km (1:12,500 scale) to assess the potential for vanadium and associated critical minerals.
- c. 100 bedrock and channel samples collected during the investigation yielded vanadium values ranging from 33 to 5,212 ppm, barium values from 164 to 40,518 ppm, yttrium values from 23 to 444 ppm, and molybdenum values from 0.85 to 288 ppm, indicating significant critical mineral enrichment.
- d. The committee also noted that GSI collected 8 channel samples and 7 bedrock samples from within the proposed block, which returned vanadium values up to 2,279 ppm, barium values up to 7,575 ppm, molybdenum values up to 145.86 ppm, and fixed carbon (FC) values up to 5.93% (TC: 8.14%).
- e. The committee reviewed the proposal and observed that only a few isolated occurrences of the host lithology (carbonaceous phyllite) are present within the proposed area, while most of the area is occupied by buff phyllite. It was further noted that the proposed block requires refinement and additional geological and analytical data to justify a G3-stage exploration proposal.
- f. The committee did not approve the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	Based on previous study by GSI, the values of V range from 33 ppm to 5212 ppm with Ba values ranging 164 ppm to 40,682 ppm. The higher values of V and Ba are recorded in carbonaceous phyllite and carbonaceous phyllite-grey phyllite interbands.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects, ESA/ESZ, Tiger Corridor, Protected Area or RFA as per PM Gatishakti portal.

Recommendations of TCC-1:

The committee did not recommend the proposal, as only a few isolated occurrences of the host lithology, i.e., carbonaceous phyllite, are present within the proposed block, while most of the remaining area is underlain by buff phyllite.

Agenda 100.4.12. Preliminary Exploration (G3) of Vanadaium, Graphite and other Associated Elements Blocks in Mokhtur, Sherbang, Lumla, Kungba, Pharmey and Pagirpo villages, Twang district, Arunachal Pradesh

Proposal ID: ME/IN/G3/AR/P/26-27/113

[Implementing Agency: M/s Indian Mine Planners & Consultants]

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- a. The proposed block falls within Survey of India Toposheet No. 78M/10. The area is underlain by crystalline limestone, vanadiferous carbonaceous phyllite, calcareous schist, amphibolite, and quartz-mica schist, which constitute the principal lithological units exposed in the area.
- b. GSI carried out a G4-stage Reconnaissance Survey (FS: 2024–25) in the Lumla–Mokhtur area, Tawang District, Arunachal Pradesh, covering 53 sq. km (1:12500 scale) to evaluate the potential of vanadiferous carbonaceous phyllite and crystalline limestone for vanadium–graphite mineralization.
- c. It was further noted that vanadium–graphite mineralization is primarily associated with carbonaceous phyllite and crystalline limestone of the Lumla Formation, occurring as lensoidal bodies with thickness generally up to 12.5 m and strike extensions of 400–700 m, with major occurrences at Pagirpo, Sherbang, Lumia, Kungba, and Pharmey, and minor occurrences at Gispu and Mokhtur.
- d. The committee noted that bedrock samples from the mineralized zones returned vanadium values ranging from 131 to 4,483 ppm, fixed carbon (FC) values from 1.09% to 16.41%, and yttrium values up to 1,949 ppm, confirming significant vanadium–graphite mineralization within the study area.
- e. Based on the encouraging results of the G4-stage investigation, the agency proposed the block for Preliminary Exploration (G3 stage) to delineate and assess the potential vanadium-, graphite-, and associated critical mineral-bearing zones.
- f. The committee reviewed the proposal and observed that the agency has proposed six separate blocks for G3-stage exploration without carrying out a ground assessment to evaluate the feasibility of exploration.
- g. Considering the difficult terrain and local constraints, the committee advised the agency to undertake a joint field visit with the geological and drilling teams to assess ground conditions and consult local village authorities regarding the feasibility of exploration.
- h. Based on the outcome of the field assessment, the agency may submit a DPR for G3-stage exploration covering only the technically and logistically feasible area.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block falls within the G4 block of GSI, FS 2024-25, the area shows V value ranging from 181ppm to 4143ppm, with FC ranging from 1.1–16.41%.
2	MECL	It is requested to kindly attach the proper/correct KML file for further examination and necessary action.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee accorded in-principle approval subject to DGM

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comments and advised the agency to make visit field to all the proposed blocks with geological and drilling crew to assess ground condition, discuss with village head man for feasibility to carry out the exploration work.

Based on the field visit and ground assessment, the agency can submit DPR for G3 stage exploration in a feasible area within 3 months.

Agenda 100.4.13. Reconnaissance survey for Vanadium, Tungsten and Base metal of Narsinghpur district of Madhya Pradesh

Proposal ID: ME/IN/G4/MP/P/26-27/112

[Implementing Agency: M/s Indian Mine Planners & Consultants]

- a. The proposed block falls within Survey of India Toposheet No. 55N/05. The area is underlain by limestone, dolomitic and calcitic marble, and sandstone of the Mahakoshal Group.
- b. The committee noted that GSI carried out investigations for coal, limestone, and iron ore in Narsinghpur District during FS: 1965–66, followed by specialized thematic mapping around Kothiya Dhonrha, South Umarpani, and Barman Kalan during FS: 2008–10.
- c. Based on the available geological data, the agency proposed the block for Reconnaissance Survey (G4 stage) to assess the potential for vanadium, tungsten, and base metal mineralization through large-scale geological mapping (1:12500 scale), geochemical sampling, pitting/trenching, and scout drilling, with the objective of establishing resources under UNFC 334.
- d. The committee reviewed the proposal and observed that the geological setting is not favourable for the proposed commodities, and the available analytical data are not encouraging to justify a G4-stage exploration programme.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block situated SE from the GSI explored block. As per the GSI work, it is mentioned that in the southern part of the area, Mahakaushal group of rocks are exposed which may be suitable for taking up the exploration for said commodity.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	Awaited
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the geological setting is not favourable for the proposed commodities and the available analytical values are not sufficiently encouraging to justify the proposed exploration programme.

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Agenda 100.4.14. Preliminary Exploration of Gold in Laba-Bora Block (G3 Level) (3.57 Sq. Km.), Saraikela-Kharsawana District, Jharkhand
Proposal ID: ME/IN/G3/JH/P/26-27/083
[Implementing Agency: M/s GEMS Project Pvt. Ltd]

- a. The proposed block falls within Survey of India Toposheet No. 73E/16. The area is underlain by quartzite, cherty quartzite, mica schist, hornblende schist, amphibolite, and meta-ultrabasite, which constitute the principal lithological units exposed in the area.
- b. GSI carried out G4-stage reconnaissance surveys for gold and associated minerals in the Ichagarh–Tiruldi (FS: 2019–20) and Birdih–Harat (FS: 2023–24) areas of Ranchi and Saraikela-Kharsawan districts, Jharkhand. Gold mineralization is associated with shear-controlled brecciated quartz reefs, cherty quartz reefs, shear zones, and hydrothermal alteration, accompanied by sulphide minerals such as pyrite, pyrrhotite, arsenopyrite, chalcopyrite, bornite, and chalcocite.
- c. Five potential gold-mineralized blocks, namely Chogadih (6.14 sq. km), Burathakur (3.04 sq. km), Hutup (1.14 sq. km), Chota Amra (1.62 sq. km), and Baruna Ratai (2.41 sq. km), covering a total area of 14.35 sq. km, were delineated. The highest gold value of 48 ppm Au was recorded from a trench at Chogadih. Stream sediment samples analysed 0.08–0.90 ppm Au, with visible gold flakes observed in 6 out of 25 samples. Associated geochemical anomalies include Cu up to 3,945 ppm, Pb up to 160 ppm, and Zn up to 188 ppm.
- d. GSI carried out a Reconnaissance Survey (G4 stage) for gold and associated minerals in the Birdih–Harat area of Ranchi and Saraikela-Kharsawan districts, Jharkhand, during FS: 2023–24.
- e. The investigation delineated three potential gold-mineralized blocks at Saparamburu, Tamari, and Kutam–Barukande, covering a total area of 10 sq. km. Gold mineralization is associated with brecciated cherty quartz reefs, ferruginized and goethitized quartzite, shear zones, and multiple phases of silicification, accompanied by sulphide minerals such as pyrite, chalcopyrite, pyrrhotite, bornite, and arsenopyrite.
- f. Stream sediment samples yielded visible gold specks and analysed up to 200 ppb Au, while bedrock and trench samples returned 50–360 ppb Au. Trace element analysis of pyrite indicated 100–500 ppm Au, suggesting the occurrence of both native and refractory (invisible) gold.
- g. Based on the available exploration data, the agency proposed the block for Preliminary Exploration (G3 stage) to evaluate gold and associated mineralization. The proposed work programme includes detailed geological mapping (1:2,000 scale), geochemical sampling, pitting/trenching, ground geophysical surveys, and exploratory drilling to establish resources under UNFC 333.
- h. The committee reviewed the proposal and observed that it is based primarily on GSI's G4-stage investigation, which reported only isolated and lean gold values. The committee further noted that the agency has not generated any additional exploration data to justify the proposal for G3-stage exploration. Hence, the proposal was not considered.

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Sl. No.	Agency	Brief Comments
1	GSI	Based on G4 item carried out by GSI during FS 2023-24, it is observed that only one maximum value of Au is 360 and minimum is 50ppb which prima facie is not encouraging enough to be upgraded to G3 level, the reason why it was not upgraded after G-4 level investigation.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	AMD has carried out G4 stage of exploration for U (0.068% U ₃ O ₈) in and around the proposed block however, there is no ongoing exploration /reconnaissance project.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the agency has not provided sufficient geological and exploration data to adequately justify the proposed exploration programme.

Agenda 100.4.15. Preliminary Exploration of Gold in Purandih Block (G3 Level) (1.00 Sq. Km.), Saraikela-Kharsawana District, Jharkhand Proposal ID: ME/IN/G3/JH/P/26-27/084

[Implementing Agency: M/s GEMS Project Pvt. Ltd]

- a. The proposed block falls within Survey of India Toposheet No. 73E/16. The area is underlain by quartzite, cherty quartzite, mica schist, hornblende schist, amphibolite, and meta-ultrabasite, which constitute the principal lithological units exposed in the area.
- b. GSI carried out G4-stage reconnaissance surveys for gold and associated minerals in the Ichagarh–Tiruldih (FS: 2019–20) and Birdih–Harat (FS: 2023–24) areas of Ranchi and Saraikela-Kharsawan districts, Jharkhand. Gold mineralization is associated with shear-controlled brecciated quartz reefs, cherty quartz reefs, shear zones, and hydrothermal alteration, accompanied by sulphide minerals such as pyrite, pyrrhotite, arsenopyrite, chalcopyrite, bornite, and chalcocite.
- c. Five potential gold-mineralized blocks, namely Chogadih (6.14 sq. km), Burathakur (3.04 sq. km), Hutup (1.14 sq. km), Chota Amra (1.62 sq. km), and Baruna Ratai (2.41 sq. km), covering a total area of 14.35 sq. km, were delineated. The highest gold value of 48 ppm Au was recorded from a trench at Chogadih. Stream sediment samples analysed 0.08–0.90 ppm Au, with visible gold flakes observed in 6 out of 25 samples. Associated geochemical anomalies include Cu up to 3,945 ppm, Pb up to 160 ppm, and Zn up to 188 ppm.

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- d. GSI carried out a Reconnaissance Survey (G4 stage) for gold and associated minerals in the Birdih–Harat area of Ranchi and Saraikela-Kharsawan districts, Jharkhand, during FS: 2023–24.
- e. The investigation delineated three potential gold-mineralized blocks at Saparamburu, Tamari, and Kutam–Barukande, covering a total area of 10 sq. km. Gold mineralization is associated with brecciated cherty quartz reefs, ferruginized and goethitized quartzite, shear zones, and multiple phases of silicification, accompanied by sulphide minerals such as pyrite, chalcopyrite, pyrrhotite, bornite, and arsenopyrite.
- f. Stream sediment samples yielded visible gold specks and analysed up to 200 ppb Au, while bedrock and trench samples returned 50–360 ppb Au. Trace element analysis of pyrite indicated 100–500 ppm Au, suggesting the occurrence of both native and refractory (invisible) gold.
- g. Based on the available exploration data, the agency proposed the block for Preliminary Exploration (G3 stage) to evaluate gold and associated mineralization. The proposed work programme includes detailed geological mapping (1:2,000 scale), geochemical sampling, pitting/trenching, ground geophysical surveys, and exploratory drilling to establish resources under UNFC 333.
- h. The committee reviewed the proposal and observed that it is based primarily on GSI's G4-stage investigation, which reported only isolated and lean gold values. The committee further noted that the agency has not generated any additional exploration data to justify the proposal for G3-stage exploration. Hence, the proposal was not considered.

Sl. No.	Agency	Brief Comments
1	GSI	Based on G4 item carried out by GSI during FS 2023-24, it is observed that only one maximum value of Au is 360 and minimum is 50ppb which prima facie is not encouraging enough to be upgraded to G3 level, the reason why it was not upgraded after G-4 level investigation.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	AMD has carried out G4 stage of exploration for U (0.068% U ₃ O ₈) in and around the proposed block however, there is no ongoing exploration /reconnaissance project.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the agency has not provided sufficient geological and exploration data to adequately justify the proposed exploration programme.

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**Agenda 100.4.16. Preliminary Exploration of Gold in Barukande-Kutam Block
(G3 Level) (2.92 Sq. Km.), Ranchi & Saraikela-Kharsawana
District, Jharkhand
Proposal ID: ME/IN/G3/JH/P/26-27/086
[Implementing Agency: M/s GEMS Project Pvt. Ltd]**

- a. The proposed block falls within Survey of India Toposheet No. 73E/16. The area is underlain by quartzite, cherty quartzite, mica schist, hornblende schist, amphibolite, and meta-ultrabasite, which constitute the principal lithological units exposed in the area.
- b. GSI carried out G4-stage reconnaissance surveys for gold and associated minerals in the Ichagarh–Tiruldih (FS: 2019–20) and Birdih–Harat (FS: 2023–24) areas of Ranchi and Saraikela-Kharsawan districts, Jharkhand. Gold mineralization is associated with shear-controlled brecciated quartz reefs, cherty quartz reefs, shear zones, and hydrothermal alteration, accompanied by sulphide minerals such as pyrite, pyrrhotite, arsenopyrite, chalcopyrite, bornite, and chalcocite.
- c. Five potential gold-mineralized blocks, namely Chogadih (6.14 sq. km), Burathakur (3.04 sq. km), Hutup (1.14 sq. km), Chota Amra (1.62 sq. km), and Baruna Ratai (2.41 sq. km), covering a total area of 14.35 sq. km, were delineated. The highest gold value of 48 ppm Au was recorded from a trench at Chogadih. Stream sediment samples analysed 0.08–0.90 ppm Au, with visible gold flakes observed in 6 out of 25 samples. Associated geochemical anomalies include Cu up to 3,945 ppm, Pb up to 160 ppm, and Zn up to 188 ppm.
- d. GSI carried out a Reconnaissance Survey (G4 stage) for gold and associated minerals in the Birdih–Harat area of Ranchi and Saraikela-Kharsawan districts, Jharkhand, during FS: 2023–24.
- e. The investigation delineated three potential gold-mineralized blocks at Saparamburu, Tamari, and Kutam–Barukande, covering a total area of 10 sq. km. Gold mineralization is associated with brecciated cherty quartz reefs, ferruginized and goethitized quartzite, shear zones, and multiple phases of silicification, accompanied by sulphide minerals such as pyrite, chalcopyrite, pyrrhotite, bornite, and arsenopyrite.
- f. Stream sediment samples yielded visible gold specks and analysed up to 200 ppb Au, while bedrock and trench samples returned 50–360 ppb Au. Trace element analysis of pyrite indicated 100–500 ppm Au, suggesting the occurrence of both native and refractory (invisible) gold.
- g. Based on the available exploration data, the agency proposed the block for Preliminary Exploration (G3 stage) to evaluate gold and associated mineralization. The proposed work programme includes detailed geological mapping (1:2,000 scale), geochemical sampling, pitting/trenching, ground geophysical surveys, and exploratory drilling to establish resources under UNFC 333.
- h. The committee reviewed the proposal and observed that it is based primarily on GSI's G4-stage investigation, which reported only isolated and lean gold values. The committee further noted that the agency has not generated any additional

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exploration data to justify the proposal for G3-stage exploration. Hence, the proposal was not considered.

Sl. No.	Agency	Brief Comments
1	GSI	Based on G4 item carried out by GSI during FS 2023-24, it is observed that only one maximum value of Au is 360 and minimum is 50ppb which prima facie is not encouraging enough to be upgraded to G3 level, the reason why it was not upgraded after G-4 level investigation.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	AMD has carried out G4 stage of exploration for U (0.068% U ₃ O ₈) & Th (0.22% ThO ₂) in and around the proposed block however, there is no ongoing exploration /reconnaissance project. In view of known potentiality, analysis of uranium may also be included in the analysis list.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the agency has not provided sufficient geological and exploration data to adequately justify the proposed exploration programme.

Agenda 100.4.17. Reconnaissance Survey (G4 Stage) for graphite in Pipra Kalan area in Palamu and Latehar district Jharkhand

Proposal ID: ME/IN/G4/JH/P/26-27/118

[Implementing Agency: M/s BMRC Geomining Solutions Pvt. Ltd]

- The proposed block falls within Survey of India Toposheet No. 73A/05. The area is underlain by quartz-sillimanite-graphite schist, mica schist, quartzite, granite gneiss, amphibolite, and calc-silicate rocks, intruded by pegmatite and quartz veins. Graphite mineralization occurs as discontinuous bands and lenses within feldspathised quartz-sillimanite schist enclosed by granite gneiss and biotite gneiss.
- The committee noted that Prasad (FS: 1967–68 and 1968–69) reported fixed carbon (FC) values ranging from 9.1% to 62.4%, indicating the continuity and persistence of graphite mineralization in the area.
- It was further noted that GSI carried out G2-stage General Exploration (FS: 2024–25) in the adjoining Budhiyabagi block (about 1 km from the proposed block), confirming the continuity of graphite mineralization in the region.
- The G2-stage investigation reported FC values of 1.81–32.33% in bedrock samples, 1.68–34.95% in pit/trench samples, and 0.02–31.47% in core samples.

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- e. Based on the available data, the agency proposed the block for Reconnaissance Survey (G4 stage) for graphite mineralization, comprising large-scale geological mapping (1:12500 scale), geochemical sampling, pitting/trenching, ground geophysical surveys, and scout drilling to establish resources under UNFC 334.
- f. The committee reviewed the proposal and observed that the proposed area has already been covered by GSI at the G4 stage. Hence, the proposal was not considered.

Sl. No.	Agency	Brief Comments
1	GSI	The Geological Survey of India (GSI) completed the G4 stage of investigation for graphite and associated minerals during the 2021–22 field season. Based on potentiality of the area, it has already been upgraded to G3/G2 stage of investigation.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	Proposed area overlaps with G4 Graphite Exploration block of FS 2019-2020. Two ML of Graphite lies in Buffer Zone of the proposed block. The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the proposed area has already been covered by GSI under G4-stage exploration.

Agenda 100.4.18. Reconnaissance Survey (G4 Stage) for Vanadium and Titanium bearing minerals, PGE and associated minerals in Salwan area Nandurbar District, Maharashtra
Proposal ID: ME/IN/G4/MH/P/26-27/106

[Implementing Agency: M/s BMRC Geomining Solutions Pvt. Ltd]

- a. The proposed block falls within Survey of India Toposheet Nos. 46K/03 and 46K/04 and forms part of the Narmada–Tapi Dyke Swarm of the Deccan Volcanic Province. The area is underlain by basalt flows of the Lower and Upper Ratangarh Formations and associated basalt–dolerite dykes belonging to the Sahyadri Group of the Deccan Trap Supergroup.
- b. The committee noted that GSI carried out a G4-stage Preliminary Search (FS: 2012–13) for PGE and Au-bearing dykes in parts of Nandurbar and Dhule districts, Maharashtra.
- c. It was further noted that PGE and gold mineralization occur as disseminations without any distinct structural control. However, the layered dyke Vd03 was

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identified as a comparatively favourable host for PGE and gold mineralization within the Narmada–Tapi Dyke Swarm.

- d. Based on the available data, the agency proposed the block for Reconnaissance Survey (G4 stage) for vanadium-, titanium-, PGE-, and associated mineralization through large-scale geological mapping (1:12500 scale), geochemical sampling, pitting/trenching, and exploratory drilling to establish resources under UNFC 334.
- e. The committee reviewed the proposal and observed that the agency had not presented sufficient supporting geological and geochemical data to justify exploration for the proposed commodities.
- f. The committee advised the agency to undertake a field visit, collect bedrock and channel samples from favourable lithological units for vanadium and titanium analysis, and, if encouraging analytical results are obtained, they may submit a revised proposal with adequate technical justification.

Sl. No.	Agency	Brief Comments
1	GSI	The proposal cites a few research papers; however, it does not provide details of any anomalous values of the target commodity within the proposed Salwan block. Further, the block predominantly lies in a water-divide area, making the occurrence of significant concentrations of V and Ti in thin inland placer horizons derived from Deccan Trap basalt/dolerite flows, dykes, or sills less likely. Additionally, Deccan Basalt is not recognized as a major source of iron enrichment.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the agency had not presented sufficient supporting geological and geochemical data to justify the proposed exploration programme.

Agenda 100.4.19. Preliminary Exploration (G3 Stage) for REE in Siwana Ring Complex, Siner area, Balotra District, Rajasthan

Proposal ID: ME/IN/G3/RJ/P/26-27/108

[Implementing Agency: M/s BMRC Geomining Solutions Pvt. Ltd]

- a. The proposed block falls within Toposheet No. 45C/06 and is underlain by plutonic and volcanic rocks of the Neoproterozoic Malani Igneous Suite, predominantly comprising medium- to coarse-grained pink rhyolite with vesicles and green mafic minerals such as riebeckite, arfvedsonite, aegirine, and aegirine-augite.

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- b. The area forms part of Siwana Ring Complex of Rajasthan.
- c. The Committee reviewed the proposal and observed that the proposed area falls within the main Siwana Ring Complex, where regional-scale rapid assessment of soil-covered terrains for identification of high-potential REE and RM mineralized zones is currently underway. Since, future exploration strategy will be finalized based on the outcome of this assessment, the Committee did not consider the proposal at this stage.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed NPEA block overlaps (0.3 sq km) with the Indrana Block (G3 stage) by GSI, FS: 2027-28 (Approved in IPR meeting). The block may be consider for REE and associated minerals, provided the area overlapping with GSI's G3 project (FS 2027–28) is excluded.
2	MECL	The proposed block is overlapping with MECL's G-3 proposal of Siner-Baliyana block which was discussed in 95th meeting of TCC-I. As the MECLs block is kept in hold till the completion of rapid scanning work in regional blocks, the MECLs proposed area may be avoided.
3	AMD	The proposed block partially overlaps with the notified block of AMD. The area is under active exploration (G3/G2 stage) by AMD.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block overlaps with NMEDT funded projects, ESA/ESZ, Tiger Corridor, Protected Area or RFA as per PM Gatishakti portal.

Recommendations of TCC-1:

The Committee did not approve the proposal, as the area falls within the main Siwana Ring Complex where regional-scale rapid assessment and delineation of high-potential REE and RM mineralized zones in soil-covered terrains are currently in progress. Further, exploration will be planned based on the outcome of this ongoing study.

Agenda 100.4.20. Reconnaissance Survey (G4 Stage) for Vanadium, Titanium and associated minerals in Umaj- Kalamba area Nandurbar District, Maharashtra

Proposal ID: ME/IN/G4/MH/P/26-27/109

[Implementing Agency: M/s BMRC Geomining Solutions Pvt. Ltd]

- a. The proposed block falls within Survey of India Toposheet No. 46K/03 and forms part of the Narmada–Tapi Dyke Swarm of the Deccan Volcanic Province. The area is underlain by basalt flows of the Lower and Upper Ratangarh Formations and associated basalt–dolerite dykes belonging to the Sahyadri Group of the Deccan Trap Supergroup.

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- b. The committee noted that NGCM stream sediment sampling in the area reported anomalous enrichment of titanium (21,150.36–33,778.15 ppm; 2.12–3.38%) and vanadium (442.2–772.2 ppm).
- c. It was further noted that GSI carried out a G4-stage Preliminary Search (FS: 2012–14) for PGE- and Au-bearing dykes in parts of Nandurbar and Dhule districts, Maharashtra, and identified the layered dyke Vd03 as a favourable host for PGE and gold mineralization.
- d. Based on the available data, the agency proposed the block for Reconnaissance Survey (G4 stage) for vanadium, titanium, and associated minerals, comprising large-scale geological mapping (1:12500 scale), geochemical sampling, pitting/trenching, and exploratory drilling to establish resources under UNFC 334.
- e. The committee reviewed the proposal and observed that it is primarily based on NGCM geochemical anomalies, and the agency has not generated additional geological or geochemical data to justify the proposed G4-stage exploration.
- f. The committee advised the agency to undertake a field visit and collect bedrock and channel samples from favourable lithological units for vanadium and titanium analysis. Based on encouraging analytical results, the agency may submit a revised DPR with adequate technical justification.

Sl. No.	Agency	Brief Comments
1	GSI	The proposal cites a few research papers; however, it does not provide details of any anomalous values of the target commodity within the proposed Salwan block. Further, the block predominantly lies in a water-divide area, making the occurrence of significant concentrations of V and Ti in thin inland placer horizons derived from Deccan Trap basalt/dolerite flows, dykes, or sills less likely. Additionally, Deccan Basalt is not recognized as a major source of iron enrichment.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	Awaited
4	State DMG/DGM/CGM	Awaited
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however the some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The committee did not recommend the proposal, as the agency had not presented sufficient supporting geological and geochemical data to justify the proposed exploration programme.

Agenda 100.4.21. (Addl.) Reconnaissance Survey (G-4) For Tin Tantalum and Niobium bearing Pegmatites at Western periphery of Baster-Koraput Pegmatite Belt, District Dantewada, Chhattisgarh, (Bachel – Ganjenar Block).

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Proposal ID: ME/IN/G4/CT/P/25-26/003

[Implementing Agency: M/s Deepsar Mineral Explorer]

- a. The proposed block falls within Survey of India Toposheet No. 65F/06 and is situated in the Bastar–Koraput Pegmatite Belt (BKPB), a well-known tin-bearing pegmatite province hosting cassiterite, columbite-tantalite, beryl, lepidolite, and amblygonite, with associated Nb, Ta, Be, and Li mineralization.
- b. The committee noted that studies on over 200 pegmatites in the Tongpal–Mundval–Dammoguda sector have established the occurrence, geometry, internal zoning, and mineralization characteristics of BKPB pegmatites. The proposed area falls within the Bacheli–Degalras sector in the northwestern part of the belt.
- c. It was further noted that exploration in the BKPB was discontinued after FS: 1981–82 due to administrative constraints and naxalite activity. Consequently, while the central and eastern parts of the belt have been explored for tin mineralization, the western part remains relatively unexplored.
- d. Based on the available geological information, the agency proposed the block for Reconnaissance Survey (G4 stage) comprising large-scale geological mapping, systematic surface sampling, and assessment of inferred resources under UNFC 334.
- e. The committee noted that the proposal was earlier discussed in the 93rd TCC-I Meeting, wherein it was observed that the proposal lacked clarity regarding auctionable blocks, and comments from the Directorate of Geology and Mining (DGM), Chhattisgarh were awaited.
- f. The committee further noted that DGM, Chhattisgarh has since provided the status and coordinates of the ML/CL/Quarry lease areas. The committee advised the agency to plot the lease areas, exclude all overlapping portions, and delineate a technically prospective block based on the geological potential before submitting the revised proposal.

Sl. No.	Agency	Brief Comments
1	GSI	100% overlap of the proposed block with already auctioned mine Barha Bacheli.
2	MECL	The proposed block has no overlapping with the ongoing or completed projects of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The proposed block overlaps with 6.5 Sq. km. auctionable block identified for an upcoming tranche of critical mineral auctions, in addition to overlapping with existing Quarry Leases and a Mining Lease.
5	NMEDT	Several mining leases including ML for Tin, are present at boundary of the proposed area. The proposed block do not overlap with NMEDT funded projects however major area falls in Recorded Forest Area.

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Recommendations of TCC-1:

The committee did not recommend the proposal, as the proposed block substantially overlaps with existing Mining Lease (ML), Quarry Lease and auctionable blocks.

100.5: Review of Ongoing Exploration Project & Timeline Extension

Agenda 100.5.1. Preliminary Exploration (G-3) for Limestone in Chhasra Block, Kachchh District, Gujarat

[Implementing Agency: CGM Gujarat]

- a. CGM Gujarat informed that the project was approved in the 33rd EC Meeting held on 19th February, 2024. The sanction order was issued on 28th February, 2024 with timeline of 6 months (up to 27.08.2024) and approved cost was INR 1,74,04,577/-.
- b. Timeline was extended upto 28.02.2025 and 27.08.2025 by EC in its 39th and 42nd meetings respectively. Timeline was further extended upto 31.07.2026 by PSC in its 10th meeting.
- c. The Committee noted that no review of the work had been conducted during the course of project execution and that the agency had approached the TCC only at the stage of submission of the Geological Report (GR) during the 98th TCC-I meeting.
- d. The Committee was informed that the agency had submitted the GR, wherein the identified blocks were recommended as upgradable.
- e. NMEDT informed the TCC that, since the project pertains to limestone, blocks with economically viable mineralization should be recommended as auctionable rather than upgradable. Accordingly, the Committee advised the agency to revise the recommendations in the GR.
- f. The committee also recommended timeline extension upto 31.08.2026 for submission of revised GR.

Recommendations of TCC-1:

The committee advised the agency to modify the GR and recommend block as auctionable rather than upgradable. The committee recommended extension of timeline from 31.07.2026 to 31.08.2026 for approval of PSC, NMEDT. The timeline extension is recommended for submission of modified GR.

Agenda 100.5.2. Preliminary Exploration (G-3) for Limestone in Vayor Block, Kachchh District, Gujarat

[Implementing Agency: CGM Gujarat]

- a. CGM Gujarat informed that the project was approved in the 33rd EC Meeting held on 19th February, 2024. The sanction order was issued on 28th February, 2024 with timeline of 6 months (up to 27.08.2024) and approved cost was INR 94,28,274/-.
- g. Timeline was extended upto 28.02.2025 and 27.08.2025 by EC in its 39th and 42nd meetings respectively. Timeline was further extended upto 31.07.2026 by PSC in its 10th meeting.
- h. The Committee noted that no review of the work had been conducted during the course of project execution and that the agency had approached the TCC only at

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the stage of submission of the Geological Report (GR) during the 98th TCC-I meeting.

- i. The Committee was informed that the agency had submitted the GR, wherein the identified blocks were recommended as upgradable.
- j. NMEDT informed the TCC that, since the project pertains to limestone, blocks with economically viable mineralization should be recommended as auctionable rather than upgradable. Accordingly, the Committee advised the agency to revise the recommendations in the GR.
- k. The committee also recommended timeline extension upto 31.08.2026 for submission of revised GR.

Recommendations of TCC-1:

The committee advised the agency to modify the GR and recommend block as auctionable rather than upgradable. The committee recommended extension of timeline from 31.07.2026 to 31.08.2026 for approval of PSC, NMEDT. The timeline extension is recommended for submission of modified GR.

Agenda 100.5.3. Preliminary Exploration (G-3) for Limestone in Jadvā Block, Kachchh District, Gujarat.

[Implementing Agency: CGM Gujarat]

- a. CGM Gujarat informed that the project was approved in the 33rd EC Meeting held on 19th February, 2024. The sanction order was issued on 28th February, 2024 with timeline of 6 months (up to 27.08.2024) and approved cost was INR 60,97,512/-.
- b. Timeline was extended upto 28.02.2025 and 27.08.2025 by EC in its 39th and 42nd meetings respectively. Timeline was further extended upto 31.07.2026 by PSC in its 10th meeting.
- c. The Committee noted that no review of the work had been conducted during the course of project execution and that the agency had approached the TCC only at the stage of submission of the Geological Report (GR) during the 98th TCC-I meeting.
- d. The Committee was informed that the agency had submitted the GR, wherein the identified blocks were recommended as upgradable.
- e. NMEDT informed the TCC that, since the project pertains to limestone, blocks with economically viable mineralization should be recommended as auctionable rather than upgradable. Accordingly, the Committee advised the agency to revise the recommendations in the GR.
- f. The committee also recommended timeline extension upto 31.08.2026 for submission of revised GR.

Recommendations of TCC-1:

The committee advised the agency to modify the GR and recommend block as auctionable rather than upgradable. The committee recommended extension of timeline from 31.07.2026 to 31.08.2026 for approval of PSC, NMEDT. The timeline extension is recommended for submission of modified GR.

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Agenda 100.5.4. Preliminary Exploration for Bauxite in Mothala Block, Kachchh District, Gujarat

[Implementing Agency: CGM Gujarat]

- a. CGM Gujarat informed that the project was approved in the 37th EC Meeting held on 23rd September, 2024. The sanction order was issued on 22nd October, 2024 with timeline of 8 months (up to 21.06.2025) and approved cost was INR 2,25,60,284/-.
- b. Timeline was extended upto 31.07.2026 by PSC in its 10th meeting.
- c. The Committee noted that no review of the work had been conducted during the course of project execution and that the agency had approached the TCC only at the stage of submission of the Geological Report (GR) during the 98th TCC-I meeting.
- d. The Committee was informed that the agency had submitted the GR, wherein the identified blocks were recommended as upgradable.
- e. NMEDT informed the TCC that, since the project pertains to limestone, blocks with economically viable mineralization should be recommended as auctionable rather than upgradable. Accordingly, the Committee advised the agency to revise the recommendations in the GR.
- f. The committee also recommended timeline extension upto 31.08.2026 for submission of revised GR.

Recommendations of TCC-1:

The committee advised the agency to modify the GR and recommend block as auctionable rather than upgradable. The committee recommended extension of timeline from 31.07.2026 to 31.08.2026 for approval of PSC, NMEDT. The timeline extension is recommended for submission of modified GR.

Agenda 100.5.5. Preliminary Exploration for Limestone in Lodhva Block, Gir Somanth District, Gujarat

[Implementing Agency: CGM Gujarat]

- a. CGM Gujarat informed that the project was approved in the 37th EC Meeting held on 23rd September, 2024. The sanction order was issued on 22nd October, 2024 with timeline of 8 months (up to 21.06.2025) and approved cost was INR 46,63,578/-
- b. Timeline was extended upto 31.12.2025 by EC in its 43rd meeting. Timeline was further extended upto 31.07.2026 by PSC in its 10th meeting.
- c. The Committee noted that no review of the work had been conducted during the course of project execution and that the agency had approached the TCC only at the stage of submission of the Geological Report (GR) during the 98th TCC-I meeting.
- d. The Committee was informed that the agency had submitted the GR, wherein the identified blocks were recommended as upgradable.
- e. NMEDT informed the TCC that, since the project pertains to limestone, blocks with economically viable mineralization should be recommended as auctionable rather than upgradable. Accordingly, the Committee advised the agency to revise the recommendations in the GR.

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- f. The committee also recommended timeline extension upto 31.08.2026 for submission of revised GR.

Recommendations of TCC-1:

The committee advised the agency to modify the GR and recommend block as auctionable rather than upgradable. The committee recommended extension of timeline from 31.07.2026 to 31.08.2026 for approval of PSC, NMEDT. The timeline extension is recommended for submission of modified GR.

Agenda 100.5.6. Preliminary Exploration for Limestone in Matana Block, Gir Somnath District, Gujarat

[Implementing Agency: CGM Gujarat]

- a. CGM Gujarat informed that the project was approved in the 37th EC Meeting held on 23rd September, 2024. The sanction order was issued on 22nd October, 2024 with timeline of 8 months (up to 21.06.2025) and approved cost was INR 57,46,896/-
- b. Timeline was extended upto 31.12.2025 by EC in its 43rd meeting. Timeline was further extended upto 31.07.2026 by PSC in its 10th meeting.
- c. The Committee noted that no review of the work had been conducted during the course of project execution and that the agency had approached the TCC only at the stage of submission of the Geological Report (GR) during the 98th TCC-I meeting.
- d. The Committee was informed that the agency had submitted the GR, wherein the identified blocks were recommended as upgradable.
- e. NMEDT informed the TCC that, since the project pertains to limestone, blocks with economically viable mineralization should be recommended as auctionable rather than upgradable. Accordingly, the Committee advised the agency to revise the recommendations in the GR.
- f. The committee also recommended timeline extension upto 31.08.2026 for submission of revised GR.

Recommendations of TCC-1:

The committee advised the agency to modify the GR and recommend block as auctionable rather than upgradable. The committee recommended extension of timeline from 31.07.2026 to 31.08.2026 for approval of PSC, NMEDT. The timeline extension is recommended for submission of modified GR.

Agenda 100.5.7. Preliminary Exploration (G-3 Level) for Limestone in Simar Block, Gir Somanth District, Gujarat

[Implementing Agency: CGM Gujarat]

- a. CGM Gujarat informed that the project was approved in the 37th EC Meeting held on 23rd September, 2024. The sanction order was issued on 22nd October, 2024 with timeline of 6 months (up to 21.04.2025) and approved cost was INR 29,52,153/-
- b. Timeline was extended upto 31.12.2025 by EC in its 43rd meeting. Timeline was further extended upto 31.07.2026 by PSC in its 10th meeting.

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- c. The Committee noted that no review of the work had been conducted during the course of project execution and that the agency had approached the TCC only at the stage of submission of the Geological Report (GR) during the 98th TCC-I meeting.
- d. The Committee was informed that the agency had submitted the GR, wherein the identified blocks were recommended as upgradable.
- e. NMEDT informed the TCC that, since the project pertains to limestone, blocks with economically viable mineralization should be recommended as auctionable rather than upgradable. Accordingly, the Committee advised the agency to revise the recommendations in the GR.
- f. The committee also recommended timeline extension upto 31.08.2026 for submission of revised GR.

Recommendations of TCC-1:

The committee advised the agency to modify the GR and recommend block as auctionable rather than upgradable. The committee recommended extension of timeline from 31.07.2026 to 31.08.2026 for approval of PSC, NMEDT. The timeline extension is recommended for submission of modified GR.

**Agenda 100.5.8. Detailed Exploration (G-3 Level) for Limestone in Bolas Block, Gir Somanth District, Gujarat
[Implementing Agency: CGM Gujarat]**

- a. CGM Gujarat informed that the project was approved in the 37th EC Meeting held on 23rd September, 2024. The sanction order was issued on 22nd October, 2024 with timeline of 6 months (up to 21.04.2025) and approved cost was INR 39,97,365/-
- b. Timeline was extended upto 31.12.2025 by EC in its 43rd meeting. Timeline was further extended upto 31.07.2026 by PSC in its 10th meeting.
- c. The Committee noted that no review of the work had been conducted during the course of project execution and that the agency had approached the TCC only at the stage of submission of the Geological Report (GR) during the 98th TCC-I meeting.
- d. The Committee was informed that the agency had submitted the GR, wherein the identified blocks were recommended as upgradable.
- e. NMEDT informed the TCC that, since the project pertains to limestone, blocks with economically viable mineralization should be recommended as auctionable rather than upgradable. Accordingly, the Committee advised the agency to revise the recommendations in the GR.
- f. The committee also recommended timeline extension upto 31.08.2026 for submission of revised GR.

Recommendations of TCC-1:

The committee advised the agency to modify the GR and recommend block as auctionable rather than upgradable. The committee recommended extension of timeline from 31.07.2026 to 31.08.2026 for approval of PSC, NMEDT. The timeline extension is recommended for submission of modified GR.

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**Agenda 100.5.9. Preliminary Exploration for Limestone in Indroi-Mandor block,
Gir Somnath District, Gujarat**
[Implementing Agency: CGM Gujarat]

- a. The agency did not present the progress for review. The agenda was deferred for forthcoming meetings of TCC.

Recommendations of TCC-1:

The agenda was deferred for forthcoming meetings of TCC.

**Agenda 100.5.10. Preliminary Exploration for Limestone in Harnasa-Umbri
block, Gir Somnath District, Gujarat**
[Implementing Agency: CGM Gujarat]

- a. The agency did not present the progress for review. The agenda was deferred for forthcoming meetings of TCC.

Recommendations of TCC-1:

The agenda was deferred for forthcoming meetings of TCC.

**Agenda 100.5.11. Preliminary Exploration for Limestone in Govindpara-Savni
Block, Gir Somnath District, Gujarat**
[Implementing Agency: CGM Gujarat]

- a. The agency did not present the progress for review. The agenda was deferred for forthcoming meetings of TCC.

Recommendations of TCC-1:

The agenda was deferred for forthcoming meetings of TCC.

**Agenda 100.5.12. Preliminary Exploration (G3) for Bauxite, Aluminous Laterite
and associated critical minerals in Khara East Block-A & Block-
B, Kabirdham District, Chhattisgarh**
[Implementing Agency: DGM Chhattisgarh]

- a. DGM, Chhattisgarh informed that the project was approved in the 1st PSC Meeting held on 9th October, 2025. The sanction order was issued on 2nd January, 2026 with timeline of 10 months (up to 01.11.2026) and approved cost was INR 1,12,28,766/-
- b. The Committee reviewed the progress and noted that the approved detailed geological mapping (2.00 sq. km) and topographical survey (2.00 sq. km) had been completed. Additionally, 45 surface samples had been collected against the approved target of 50 samples.
- c. The Committee observed that no drilling had been carried out against the approved target of 250 m in 12 boreholes. Consequently, core sampling, petrological studies, and bulk density determinations could not be undertaken.
- d. The agency presented the analytical results from Khara East Block-A (25 samples) and Khara East Block-B (14 samples). The results indicate high Al₂O₃ content (average 44.07% and 49.72%, respectively) with low SiO₂ content, along with

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appreciable concentrations of TiO_2 , V_2O_5 , V, Ga, and Sc, suggesting enrichment of these critical elements.

- e. The agency informed that Block-B exhibits comparatively higher average Al_2O_3 (49.72%), TiO_2 (5.76%), and V_2O_5 (0.212%), whereas Block-A shows relatively higher Fe_2O_3 (24.04%), Ga (50 ppm), and Sc (25 ppm). The Committee advised the agency to consider these results while planning the subsequent stage of exploration.
- f. The Directorate of Geology & Mining, Chhattisgarh, sought the Committee's approval for drilling six boreholes in Khara East Block-A and excavation of five pits in Khara East Block-B as part of the proposed exploration programme.
- g. The agency has proposed pitting instead of drilling owing to difficult terrain condition in Block-B.
- h. The committee reviewed the progress of work and opined that surface results are encouraging.
- i. The committee did not agree for pitting instead of drilling and suggested agency to do drilling at the planned pit locations.
- j. The committee also approved for drilling in Block A as proposed.

Recommendations of TCC-1:

The committee approved drilling in both Block A and Block B.

Agenda 100.5.13. Preliminary exploration (G3) for Bauxite in Barpat Block, Balrampur Ramanujganj District, Chhattisgarh

[Implementing Agency: DGM Chhattisgarh]

- a. DGM, Chhattisgarh informed that the project was approved in the 38th EC 13.12.2024 with timeline of 12 months (up to 12.12.2025) and approved cost was INR 1,36,83,526/-
- b. The Committee reviewed the progress of the project and noted that topographical survey over the entire approved area (2.43 sq. km) had been completed, while detailed geological mapping had been completed over 1.34 sq. km, corresponding to the revised project area.
- c. The Committee noted that only 507.90 m of drilling in 37 boreholes had been completed against the approved target of 700 m in 73 boreholes.
- d. The agency informed the Committee that exploration work had remained suspended for a considerable period due to agitation by local villagers but resumed on 22.05.2026 with the assistance of the local administration and has since been completed.
- e. The agency informed the Committee that preliminary geochemical analysis of bauxite and lithomargic clay samples indicated significant enrichment of Vanadium (V) and Rare Earth Elements (REEs).
- f. In view of the encouraging analytical results and the strategic importance of these critical minerals, the agency requested expansion of the project scope to include exploration for Vanadium and REEs in addition to bauxite.
- g. The committee agreed for analysis of additional 30 samples for analysis of Vanadium and REE. Composite samples should be analysed alongwith few samples from lithomargic clay.

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- h. The agency sought extension of timeline for completion of work.

Recommendations of TCC-1:

The committee recommended timeline extension upto 30.09.2026 for approval of PSC NMEDT. The timeline extension is recommended for completion of work and submission of GR.

Agenda 100.5.14. General Exploration (G-2) for Graphite and Associated Minerals in Nagapuzha-Vadakhol block, District- Ernakulam, Kerala.

[Implementing Agency: MECL]

- a. MECL informed that the project was approved in the 42nd EC Meeting held on 2nd June, 2025. The sanction order was issued on 24th February, 2026 with timeline of 12 months (up to 23.02.2027) and approved cost was INR 3,93,08,208/-.
- b. The agency informed the Committee that exploration work has been halted due to local agitation, as the local community is not permitting the movement of outside drilling personnel.
- c. In view of the prevailing situation, the agency sought permission to undertake outsourced drilling in place of in-house drilling by engaging local drilling agencies.
- d. The Committee recommended outsourcing the drilling work in place of in-house drilling and approved the corresponding revision in the project cost.

Recommendations of TCC-1:

The Committee recommended outsourcing the drilling work in place of in-house drilling for approval of PSC, NMEDT.

The committee recommended revision of cost of project from Rs. 393.08 lakh to Rs. 402.40 lakh with a change in amount of (+) Rs 9.32 lakhs (~2.37 % escalation), for approval of PSC, NMEDT as per Annexure 3.

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Revised cost for General Exploration (G-2) for Graphite and Associated Minerals in Nagapuzha-Vadakod Block, District: Ernakulam, Kerala
[Block area- 2.60 sq. km; Nos. of Borehole- 16, Schedule timeline- 12 months, Review - 4 & 8 months]

S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Estimated Cost of the Proposal (REVISED)		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK								
1	Geological Mapping (1:1000), Borehole logging, sampling & Report writing								
i	Charges for one Geologist- Field	day	1.2	11,000	150	1,650,000	150	1,650,000	Including collection of beneficiation samples.
ii	Charges for one Geologist - HQ	day	1.2	9,000	45	405,000	45	405,000	
iii	2 labours/ party (Rs 541/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	541	300	162,300	300	162,300	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Core Sampling -1 Samplers Labour charge not included	day	1.5.2	5,100	111	566,100	111	566,100	
v	4 labours/ party (Rs 541/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	541	444	240,204	444	240,204	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
2	Survey							-	
i	Topographical Survey	day	1.6.1a	8300	30	249000	30	249,000	Topographical Survey on 1:1000 (map updation)

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ii	4 labours/ party (Rs 541/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	541	120	64,920	120	64,920	1000 Scale.
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	40	768,000	40	768,000	16 BHs and 7 boundary coordinates, 17 old GSI Bhs
	Sub Total- A					4,105,524		4,105,524	
B	GEOPHYSICAL SURVEY								
i	Self Potential	Line Km	3.3a	29600	-	-	-	-	
ii	Borehole Geophysical Survey		3.12	622.25	-	-	-	-	
iii	Charges for one Geophysicist - HQ	day	3.18	9000	-	-	-	-	
	Sub Total- B					-		-	
C	TRENCHING								
	Trenching	Cu. M.	2.1.1	3330	100	333,000	100	333,000	
	Sub Total- C					333,000		333,000	
D	DRILLING (Changed from In house to Outsource)								
i	Drilling upto 300m (Hard Rock) (1 rig)	m	2.2.1.4a	11,500	1,750	20,125,000	1,750	20,125,000	First level Bore hole plan may consider GSI BH
ii	Land / Crop Compensation	per BH	5.6	20,000	16	320,000	16	320,000	Amount will be reimbursed as per actuals or max. Rs. 20000

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									per BH with certification from local authorities
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	16	32,000	16	32,000	16BH
iv	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	6,600	237,600	-	-	Certification in this regard is required to be provided
v	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	6	300,000	-	-	
vi	Drilling Camp Setting Cost	Nos	2.2.9a	250,000	2	500,000	-	-	2 rigs
vii	Drilling Camp Winding up Cost	Nos	2.2.9b	250,000	2	500,000	-	-	2 rigs
viii	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	5	110,100	-	-	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed later
ix	Operational Charges		6.0(i)	In case of total outsourced cost up to ₹50 lakh: Cost for outsourced component(s) of project work will be reimbursed as per actuals. In addition, 10 percent of the total outsourced cost will be paid to Exploration Agency towards operational charges. The operational charges will be calculated on the cost of total outsourced component or certified actual payment made by the Exploration Agency, whichever is lower.				2,012,500	The operational charges has given as per old SoC (2020-21) as the costing was done as per old SoC

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x	Tender Processing Cost		2.3	2% of the approved project cost or 5 lakh whichever is lower will be paid one time to Exploration Agency				402,500	
xi	Core Preservation: One complete borehole plus mineralized cores of all the remaining Bhs	m	5.3	1,590	750	1,192,500	750	1,192,500	This amount will be reimbursed after successful delivery of the cores to concerned libraries/ authorities.
	Sub Total- D					23,317,200		24,084,500	
E	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples for Graphite								
	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	750	2,250,000	750	2,250,000	Trench-100nos, BH-600nos, BRS-50
	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	75	225,000	75	225,000	
	c-XRF analysis for oxides (SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, Na ₂ O, K ₂ O, LOI and V ₂ O ₅)	Nos	4.1.15a	4,200	10	42,000	10	42,000	
	d-External(10%) Check samples from NABL Lab for XRF analysis for oxides (SiO ₂ ,	Nos	4.1.15a	4,200	1	4,200	1	4,200	

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	Al2O3, Fe2O3, CaO, MgO, Na2O, K2O, LOI and V2O5)								
	e-ICPMS Study for 34 elements study	Nos		7,731	50	386,550	50	386,550	mineralized zone in one borehole completely
2	Physical & Petrological Studies							-	
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	10	23,530	
ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	10	42,320	
iii	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	10	15,490	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	10	42,320	
v	Digital Photographs	Nos	4.3.7	280	10	2,800	10	2,800	
vi	Bulk Density studies	Nos	4.8.1	1,605	5	8,025	5	8,025	
vii	Thin section Preparation Raman spectroscopy	Nos	4.3.1	2,353	5	11,765	5	11,765	
viii	Raman Spectroscopy studies	Nos		3,500	5	17,500	5	17,500	Price not available in SoC, SOR of GSI has been considered.
ix	Beneficiation study for G2 stage mineral exploration project (Complete laboratory scale ore dressing investigation involving studies for recovery of mineral by various physical beneficiation methods)	Per Sample	4.7.2	500,000	2	1,000,000	2	1,000,000	Mix samples from Trench and Borehole sample. Price not available in NMET SoC. Actual expenses at IBM rate will be considered.
	Sub Total- E					4,071,500		4,071,500	

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D	Total A to E					31,827,224		32,594,524	
E	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 300 lakhs A min Rs. 9 lakhs or 3% of the value of work whichever is more		954,817		977,836	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
F	Peer review Charges		As per EC decision			30,000		30,000	
G	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is lower		500,000		500,000	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
H	Total Estimated Cost without GST					33,312,041		34,102,360	
I	Provision for GST (18% of H)					5,996,167		6,138,425	GST will be reimburse as per actual and as per notified prescribed rate

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J	Total Estimated Cost with GST	39,308,208		40,240,784	
	In lakhs	393.08		402.40	
	Difference in cost	9,32,576		9.32	
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				

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**Agenda 100.5.15. Preliminary Exploration (G-3) for Limestone and Manganese
in Hatighat block, District- Adilabad, Telangana.
[Implementing Agency: MECL]**

- a. MECL informed that the project was approved in the 5th PSC Meeting held on 9th February, 2026. The sanction order was issued on 24th February, 2026 with timeline of 12 months (up to 23.02.2027) and approved cost was INR 2,09,32,946/-.
- b. The agency informed the Committee that the geological mapping has been completed and the tendering process for outsourcing the drilling work has been initiated.
- c. However, only a single bid was received in response to the tender. The agency, therefore, sought permission to undertake in-house drilling in place of outsourced drilling.
- d. The Committee approved the agency's request to undertake in-house drilling instead of outsourced drilling and approved the corresponding revision in the project cost.

Recommendations of TCC-1:

The Committee recommended in house drilling work in place of outsourced drilling for approval of PSC, NMEDT.

The committee recommended revision of cost of project from Rs. 209.33 lakh to Rs. 225.35 lakh with a change in amount of (+) Rs 16.02 lakhs (~7.65 % escalation), for approval of PSC, NMEDT as per Annexure 4.

S. Rao, 28.07.2026

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Revised cost for Preliminary Exploration (G3) for Limestone and Manganese in Hathihat block, District: Adilabad, Telangana.
[Block area- 11.28 sq. km; Nos. of Borehole- 17; Depth: 50m-80m; Schedule timeline- 12 months]

S. No.	Item of Work	Unit	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl No.	Rates as per SoC					
					Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	DETAIL GEOLOGICAL MAPPING (1:4000 scale)								
i	Geological mapping	Sq.Km	1.1	18,300	11.28	206,424	11.28	206,424	
ii	Charges for one Geologist-Field	day	1.2.1a	14,500	120	1,740,000	120	1,740,000	Mapping - 90 days
iv	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	240	129,840	240	129,840	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher. EPF, ESIC and bonus will be extra as labour rules
B	OTHER GEOLOGICAL WORK							-	
iii	Core Sampling -1 Samplers Labour charge not included	day	1.2.1b	7,850	204	1,601,400	204	1,601,400	
iv	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	816	441,456	816	441,456	
iii	Charges for one Geologist per- HQ	day	1.2.1a	10,500	45	472,500	45	472,500	

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	Sub Total- A+B					4,591,620		4,591,620	
C	SURVEY WORK								
i	Surveyor Work	days	1.3.1	10,500	30	315,000	30	315,000	
ii	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	120	64,920	120	64,920	
	Sub Total- C					379,920		379,920	
D	DRILLING (Outsourcing)/ Changed to In-house								
i	Drilling upto 400m (Soft Rock)	m	2.2.1.1c	5,500	910	5,005,000	910	5,005,000	2 BH x 80m + 15 BH x 50m = 910m
ii	Land / Crop Compansation	per BH	5.6	30,000	17	510,000	15	450,000	
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	17	34,000	17	34,000	
iv	Technical Supervision cost	-	6	-	1	500,500		-	
v	Miscellaneous charges	-	2.2.9	-	20%	-		1,001,000	
vi	Drill Core preservation	-	X	1,590	0		560	890,400	One complete borehole plus mineralised cores of all the BHs of the Block (80m+ 30m X 16 bhs)
vii	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and by DGPS	Nos	1.3.2	24,000	21	504,000	21	504,000	BH- 17 nos. & Cardinal point- 4 nos.
	Sub Total- D					6,553,500		7,884,400	
E	LABORATORY STUDIES								

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1	Chemical Analysis								
i	Drill core Primary & Check samples for Limestone								
a	Major oxides (WD XRF)- (oxides+ traces -24 elements including REE,Ru,Sr,Ba) (10 radicals CaO, MgO, Al2O3, SiO2, Fe2O3, SO3, P2O5, K2O, TiO2, Na2O and LOI)	Per sample	4.1.17a	4,200	750	3,150,000	750	3,150,000	
b	Partial analysis of dolomite/ limestone samples (R2O3, Ca, Mg Acid insoluble & LOI)	Per sample	4.1.10h	1,800	750	1,350,000	750	1,350,000	
c	External Check samples: Major oxides (WD XRF)- (oxides+ traces -24 elements) (10 radicals CaO, MgO, Al2O3, SiO2, Fe2O3, SO3, P2O5, K2O, TiO2, Na2O and LOI)	Per sample	4.1.17a	4,200	75	315,000	75	315,000	
ii	Drill core Primary & Check samples for Manganese								
a	Major oxides (WD XRF)- (oxides+ traces -24 elements including REE,Ru,Sr,Ba) (Total Mn, MnO2, Fe2O3, P2O5, SiO2 and acid insolubles and 8 trace element (Cu, Ni, Co, Cr, Pb, Zn, Ba, Nb)	Nos	4.1.17a	4,200	50	210,000	50	210,000	
b	External check samples- Major oxides (WD XRF)- (oxides+ traces -24	Nos	4.1.17a	4,200	5	21,000	5	21,000	

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	elements) (Total Mn, MnO ₂ , Fe ₂ O ₃ , P ₂ O ₅ , SiO ₂ and acid insolubles and 8 trace element (Cu, Ni, Co, Cr, Pb, Zn, Ba, Nb)								
2	Physical & Petrological Studies							-	
i	Preparation of thin section	Nos	4.3.1	500	5	2,500	5	2,500	
ii	Complete petrographic study report	Nos	4.3.4	2,800	5	14,000	5	14,000	
iii	Preparation of polished section	Nos	4.3.2	800	2	1,600	2	1,600	
iv	Complete mineragraphic study report	Nos	4.3.4	2,800	2	5,600	2	5,600	
vi	XRD Studies	Nos	4.5.2	4,000	5	20,000	5	20,000	
vii	Density	Nos	4.8.3	2,500	5	12,500	5	12,500	
	Sub Total- E					5,102,200		5,102,200	
F	Total A to E					16,627,240		17,958,140	
G	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 150		750,000		750,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) with soft copy

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				lakhs - Rs. 7.5 lakhs					
H	Peer review Charges		As per EC decision			30,000		30,000	
I	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.00 Lakhs whichever is lower		332,545		359,163	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.
J	Total Estimated Cost without GST					17,739,785		19,097,303	
K	Provision for GST (18% of J)					3,193,161.26		3,437,514.50	GST will be reimburse as per actual and as per notified prescribed rate
L	Total Estimated Cost with GST					20,932,946.06		22,534,817.30	
				or Say Rs. In Lakhs		209.33		225.35	
Difference in cost						16,01,871.24		16.02 lakhs	
Note:									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.								
3	If any part of the project is outsourced, the amount will be reimbursed as per the Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.								
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.								
5	Any item of work not mentioned above shall be added as per SoC.								
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency								

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Agenda 100.5.16. Preliminary Exploration (G-3) for Limestone and Manganese in Tamsi block, District- Adilabad, Telangana.
[Implementing Agency: MECL]

- a. MECL informed that the project was approved in the 5th PSC Meeting held on 9th February, 2026. The sanction order was issued on 24th February, 2026 with timeline of 12 months (up to 23.02.2027) and approved cost was INR 1,25,20,959.09/-.
- b. The agency informed the Committee that the geological mapping has been completed and the tendering process for outsourcing the drilling work has been initiated.
- c. However, only a single bid was received in response to the tender. The agency, therefore, sought permission to undertake in-house drilling in place of outsourced drilling.
- d. The Committee approved the agency's request to undertake in-house drilling instead of outsourced drilling and approved the corresponding revision in the project cost.

Recommendations of TCC-1:

The Committee recommended in house drilling work in place of outsourced drilling for approval of PSC, NMEDT.

The committee recommended revision of cost of project from Rs. 125.21 lakh to Rs. 136.40 lakh with a change in amount of (+) Rs 11.19 lakhs (~8.93 % escalation), for approval of PSC, NMEDT as per Annexure 5.

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Annexure 5									
Revised cost for Preliminary Exploration (G3) for Limestone and Manganese in Tamsi block, District: Adilabad, Telangana. [Block area- 6.70 sq. km; Nos. of Borehole- 09; Depth: 50m-80m; Schedule timeline- 10 months]									
S. No.	Item of Work	Unit	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl No.	Rates as per SoC					
					Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	DETAIL GEOLOGICAL MAPPING (1:4000 scale)								
i	Geological mapping	Sq.Km	1.1	18,300	6.70	1,22,610	6.70	1,22,610	
ii	Charges for one Geologist-Field	day	1.2.1a	14,500	100	14,50,000	100	14,50,000	Mapping - 60 days
iii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	200	1,08,200	200	1,08,200	
B	OTHER GEOLOGICAL WORK							-	
i	Core Sampling -1 Samplers Labour charge not included	day	1.2.1b	7,850	116	9,10,600	116	9,10,600	
ii	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	464	2,51,024	464	2,51,024	
iii	Charges for one Geologist per- HQ	day	1.2.1a	10,500	30	3,15,000	30	3,15,000	
	Sub Total- A+B					31,57,434		31,57,434	
C	SURVEY WORK								
i	Surveyor Work	days	1.3.1	10,500	20	2,10,000	20	2,10,000	

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ii	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	80	43,280	80	43,280	
	Sub Total- C					2,53,280		2,53,280	
D	DRILLING (Outsourcing to In-House)								
i	Drilling upto 400m (Soft Rock)	m	2.2.1.1c	5,500	510	28,05,000	510	28,05,000	2 BH x 80m + 7 BH x 50m = 510m
ii	Land / Crop Compensation	per BH	5.6	30,000	9	2,70,000	9	2,70,000	
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	9	18,000	9	18,000	
iv	Technical Supervision cost		6		10%	2,80,500	-	-	
iv	Miscellaneous charges	-	2.2.9	-	For drilling cost less than 50 lakhs, 25% of drilling cost			7,01,250	
v	Drill Core preservation	-	5.3	1,590	-		320	5,08,800	One complete borehole plus mineralised cores of all the BHs of the Block (80m + 8*30m)
vi	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and by DGPS	Nos	1.3.2	24,000	17	4,08,000	17	4,08,000	BH-9 nos. & Boundary points- 8 nos.
	Sub Total- D					37,81,500		47,11,050	
E	LABORATORY STUDIES								
1	Chemical Analysis								
i	Drill core Primary & Check samples for Limestone								

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a	Major oxides (WD XRF)- (oxides+ traces -24 elements including REE,Ru,Sr,Ba) (10 radicals CaO, MgO, Al2O3, SiO2, Fe2O3, SO3, P2O5, K2O, TiO2, Na2O and LOI)	Per sample	4.1.17a	4,200	425	17,85,000	425	17,85,000	
b	Partial analysis of dolomite/ limestone samples (R203, Ca, Mg Acid insoluble & LOI)	Per sample	4.1.10h	1,800	425	7,65,000	425	7,65,000	
c	External Check smpls: Major oxides (WD XRF)- (oxides+ traces -24 elements) (10 radicals CaO, MgO, Al2O3, SiO2, Fe2O3, SO3, P2O5, K2O, TiO2, Na2O and LOI)	Per sample	4.1.17a	4,200	43	1,80,600	43	1,80,600	
ii	Drill core Primary & Check samples for Manganese								
a	Major oxides (WD XRF)- (oxides+ traces -24 elements including REE, Ru, Sr, Ba) (Total Mn, MnO2, Fe2O3, P2O5, SiO2 and acid insolubles and 8 trace element (Cu, Ni, Co, Cr, Pb, Zn, Ba, Nb)	Nos	4.1.17a	4,200	30	1,26,000	30	1,26,000	

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b	External check samples- Major oxides (WD XRF)- (oxides+ traces -24 elements) (Total Mn, MnO ₂ , Fe ₂ O ₃ , P ₂ O ₅ , SiO ₂ and acid insolubles and 8 trace element (Cu, Ni, Co, Cr, Pb, Zn, Ba, Nb)	Nos	4.1.17a	4,200	3	12,600	3	12,600	
2	Physical & Petrological Studies								
i	Preparation of thin section	Nos	4.3.1	500	5	2,500	5	2,500	
ii	Complete petrographic study report	Nos	4.3.4	2,800	5	14,000	5	14,000	
iii	Preparation of polished section	Nos	4.3.2	800	5	4,000	5	4,000	
iv	Complete mineragraphic study report	Nos	4.3.4	2,800	5	14,000	5	14,000	
vi	XRD Studies	Nos	4.5.2	4,000	5	20,000	5	20,000	
vii	Density	Nos	4.8.3	2,500	5	12,500	5	12,500	
	Sub Total- E					29,36,200		29,36,200	
F	Total A to E					1,01,28,414		1,10,57,964	Revised cost estimate for 100th TCC meeting
G	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 50 lakhs - Rs. 2.5 lakhs		2,50,000		2,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) with soft copy

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H	Peer review Charges		As per EC decision			30,000		30,000	
I	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.00 Lakhs whichever is lower		2,02,568		2,21,159	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.
J	Total Estimated Cost without GST					1,06,10,982		1,15,59,123	
K	Provision for GST (18% of J)					19,09,976.81		20,80,642.19	GST will be reimburse as per actual and as per notified prescribed rate
L	Total Estimated Cost with GST					1,25,20,959.09		1,36,39,765.47	
	or Say Rs. In Lakhs					125.21		136.40	
	Difference in amount					11,18,806.38		11.19	
Note:									
1	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.								

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Agenda 100.5.17. Khandadhar Block Sub block-C (2.93 sq km), District-Sundergarh, Odisha
[Implementing Agency: OMC]

- a. OMC informed that the project was approved in 10th TCC meeting held on 30th October, 2018. The sanction order was issued on 31st October, 2018 with timeline of 14 months (30.12.2019) and approved cost was INR 2,56,06,415/-.
- b. Timeline extension till 31.12.2025 was approved by PSC in its 2nd meeting.
- c. The agency informed that delay in project is due to forest clearance issue and sought further timeline extension.
- d. The Committee noted that the project had already been delayed by approximately 6 years and 6 months and that the agency had yet to obtain the requisite forest clearance.
- e. The Committee agreed to extend the project timeline up to 31.10.2026. It was further decided that, if the agency failed to obtain the requisite forest clearance by the extended deadline, the project would be recommended for force closure.

Recommendations of TCC-1:

The committee recommended timeline extension upto 31.10.2026 for approval of PSC NMEDT. The timeline extension is recommended for obtaining the forest clearance.

Agenda 100.5.18. Khandadhar Sub-block-A, District- Sundargarh, Odisha
[Implementing Agency: OMC]

- a. OMC informed that the project was approved in 11th TCC meeting held on 7th February, 2019. The sanction order was issued on 12th February, 2019 with timeline of 14 months (11.04.2020) and approved cost was INR 4,13,81,000/-.
- b. Timeline extension till 31.12.2025 was approved by PSC in its 2nd meeting.
- c. The committee observed that the project has already been delayed by over six years.
- d. The agency informed the Committee that forest clearance had been obtained for a part of the approved project area and that the project area had been modified in accordance with the suggestions of the Ministry of Environment, Forest and Climate Change (MoEFCC).
- e. The agency requested an extension of the project timeline for completion of the remaining work.
- f. After detailed deliberation, the Committee decided that the project may be recommended for force closure. The agency was instructed to submit a self-contained note detailing the work carried out, the reasons for non-completion, the status of statutory clearances, and other relevant information.
- g. The Committee further advised that, for the portion of the area where forest clearance has been obtained, the agency may submit a fresh project proposal, which shall be considered in accordance with the prescribed project approval procedure.

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Recommendations of TCC-1:

The Committee decided that the project may be recommended for force closure. The agency was instructed to submit a self-contained note detailing the work carried out, the reasons for non-completion, the status of statutory clearances and other relevant information.

**Agenda 100.5.19. Preliminary Exploration (G3) for Iron Ore in Khandadhar Sub Block - E (8.797 sq.km), Sundargarh District, Odisha
[Implementing Agency: OMC]**

- a. OMC informed that the project was approved in the 32nd EC Meeting held on 6th December, 2023. The sanction order was issued on 12th December, 2023 with timeline of 12 months (upto 11.12.2024) and approved cost was INR 7,99,38,943/-.
- b. Timeline extension till 31.12.2025 was approved by PSC in its 2nd meeting.
- c. The agency informed that delay in project is due to forest clearance issue and sought further timeline extension.
- d. The Committee noted that the project had already been delayed by approximately 18 months and that the agency had yet to obtain the requisite forest clearance.
- e. The Committee agreed to extend the project timeline up to 31.10.2026. It was further decided that, if the agency failed to obtain the requisite forest clearance by the extended deadline, the project would be recommended for force closure.

Recommendations of TCC-1:

The committee recommended timeline extension upto 31.10.2026 for approval of PSC NMEDT. The timeline extension is recommended for obtaining the forest clearance.

**Agenda 100.5.20. Keluamali, District- Kalahandi, Odisha
[Implementing Agency: OMC]**

- a. The agenda was not discussed and deferred to next TCC-meeting.

Recommendations of TCC-1:

The agenda was not discussed and deferred to next TCC-meeting.

**Agenda 100.5.21. Majhingamali, District- Rayagada & Kalahandi, Odisha
[Implementing Agency: OMC]**

- a. The agenda was not discussed and deferred to next TCC-meeting.

Recommendations of TCC-1:

The agenda was not discussed and deferred to next TCC-meeting.

**Agenda 100.5.22. Reconnaissance Survey (G4) for Bauxite in Kalychochra block, Rayagada district, Odisha
[Implementing Agency: DMG Odisha]**

- a. DMG Odisha informed that the project was approved in the 39th EC Meeting held

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on 24th January, 2025. The Sanction Order was issued on 24th February, 2025 with timeline of 12 months (up to 23.02.2026) and approved cost was INR 99,55,620/-.

- b. Timeline was extended upto 30.06.2026 and 31.07.2026 during 8th and 10th meeting of PSC respectively.
- c. The agency informed the committee that the GR has been peer reviewed.
- d. The comments of peer reviewer and its compliance was discussed.
- e. The committee suggested the agency to submit GR to NMEDT and upload it on NGDR.
- f. The agency requested for cost revision of the project.
- g. The committee deferred the cost revision to next TCC-I meeting

Recommendations of TCC-1:

The committee approved the submission of Geological Report.

**Agenda 100.5.23. Reconnaissance Survey (G-4 stage) for Basemetal in Thal-Didihat-Askot area, Pithoragarh District, Uttarakhand
[Implementing Agency: Geovale Services Pvt. Ltd.]**

- a. Geovale informed that the project was approved by Secretary, Ministry of Mines on 12.03.2024 and the same was ratified in 34th meeting of EC held on 13.03.2024. The Sanction Order was issued on 12th March, 2024 with timeline of 12 months (up to 11.03.2025).
- b. Timeline extension upto 30.06.2025, 31.10.2025, 31.05.2026 and 31.08.2026 was approved in 7th TCCII, 43rd EC, 4th PSC and 9th PSC meetings respectively.
- c. The agency informed the Committee that all approved field and laboratory activities—including geological mapping (92 sq. km), pitting (101.38 cu. m), shallow electrical resistivity survey (30.3 line km), drilling (601 m), geochemical analyses (AAS, ICP-MS, Fire Assay, XRF), petrographic studies, and XRD analyses—have been completed. The Geological Report (GR) is currently under preparation.
- d. The agency informed the Committee that geological mapping has resulted in refinement of the existing geological map, including reinterpretation of lithological units and identification of sulphide-bearing carbonaceous phyllite intercalated with limestone, indicating a favourable geological setting for VMS-type mineralization.
- e. Based on integrated geological and geochemical data, three target zones covering 32 sq. km were delineated. Bedrock samples from these zones, including the historic Askot mine dump, returned significant polymetallic values (Cu, Pb, and Zn).
- f. The agency informed the Committee that four boreholes drilled in Target Zone-1 intersected VMS-style polymetallic mineralization at multiple depths, with the best mineralized interval in BH-02 returning weighted average grades of 4.917% Cu, 2.640% Pb, and 8.120% Zn, along with anomalous Au, Ag, Sb, Sn, Bi, and Te values.

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- g. The committee reviewed the progress of work and observed that the agency had drilled two boreholes at an interval of only about 10 m, comprising one shallow inclined borehole and one deeper vertical borehole, citing terrain constraints.
- h. ***The Committee expressed its displeasure that the agency had taken this decision without prior consultation or approval, and strongly emphasized that any deviation from the approved exploration plan must be undertaken only with the Committee's prior concurrence.***
- i. The Committee instructed the agency to submit the Geological Report (GR) for peer review. The project will be taken up for review again after receipt of the peer review comments.

Recommendations of TCC-1:

The Committee instructed the agency to submit the Geological Report (GR) for peer review.

Agenda 100.5.24. Reconnaissance Survey (G4) for Gold in Yedyur area, Yedyur - Karighatta schist belt, Mandya district, Karnataka.

[Implementing Agency: KIOCL]

- a. The agency informed that the project was approved during 33rd EC Meeting held on 19th February 2024. The Sanction Order was issued on 28th February, 2024 with timeline of 10 months (up to 27.12.2024).
- b. The Committee reviewed the progress of the project. It was observed that all approved geological mapping (50 sq. km) and trenching work (100 cu. m) had been completed.
- c. The Committee noted that only 257 m of core drilling had been completed against the approved 500 m, leaving a balance of 243 m. Consequently, several downstream activities, including geochemical analyses, petrological studies, and preparation of the Geological Report (GR), are yet to be completed.
- d. The agency apprised the committee that delay in drilling was due to delay in obtaining forest clearance. Forest clearance for trenching and drilling was obtained on 21.05.2026.
- e. The agency informed the Committee that the remaining drilling and all associated analytical and reporting activities would be completed after completion of the balance drilling.
- f. The Committee advised the agency to expedite the balance drilling and complete all pending analytical studies and report preparation within the stipulated timeline.
- g. The committee recommended extension of timeline till 31.10.2026. The committee also instructed agency to come for review after analytical results has been received.

Recommendations of TCC-1:

The committee recommended timeline extension upto 31.10.2026 for approval of PSC NMEDT. The timeline extension is recommended for completion of work and submission of GR.

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Agenda 100.5.25. Reconnaissance survey (G4) for Ni, Cr and PGE in Charoti Area, Palghar District, Maharashtra
[Implementing Agency: Critical Mineral Trackers]

- a. Critical Mineral Trackers informed that the project was approved in the 4th PSC Meeting held on 13th January, 2026. The Sanction Order was issued on 2nd March, 2026 with timeline of 10 months (up to 01.01.2027) and approved cost was INR 1,37,54,452/-.
- b. The agency informed the committee that the progress of work was reviewed in 98th TCC-I meeting, wherein, the agency was advised to complete the petrographic studies and improve the geological map, after which the request for XRF analysis would be considered.
- c. The agency informed that petrographic examination of 25 samples identified 11 olivine-rich rocks, comprising olivine-bearing dolerite/basic rock, olivine gabbro, porphyritic olivine basalt, porphyritic amygdular basalt, and olivine basalt. The samples are characterized by olivine–clinopyroxene–plagioclase mineral assemblages with chalcopyrite, pyrite, and pyrrhotite as the principal sulphide minerals, indicating favourable mafic-ultramafic host rocks for mineralization.
- d. Analytical results have been received for 54 of the 100 bedrock samples submitted. The analyses indicate anomalous concentrations of Ni (up to 739 ppm), Cr (up to 1,235 ppm), and Co (up to 76 ppm), with peak values approximately five times the average crustal abundance, whereas TREE values are generally below 100 ppm.
- e. The agency informed the Committee that pitting work (50 pits) will be initiated shortly at the identified target locations and sought approval to undertake major oxide analysis of 20 selected samples.
- f. The committee reviewed the progress of work and suggested the agency to complete the petrographic studies and delineate the zone of mineralisation.

Recommendations of TCC-1:

The Committee advised the agency to complete the petrographic studies and present the project for review thereafter.

Agenda 100.5.26. Preliminary Exploration (G3) for REE and associated critical minerals in the NB 11 block (2.00 sq. km.) in the northern part of the Siwana Ring Complex, Balotra district, Rajasthan.

[Implementing Agency: FAGMIL]

- a. The agency informed that the NB-11 block was allocated for G3-level exploration following approval by the 5th Joint TCC and the 3rd PSC.
- b. The progress of the project was reviewed in the 9th Joint TCC Meeting, wherein the agency was advised to coordinate with GSI, Jaipur, incorporate the suggestions arising from the discussions, and submit a revised borehole (BH) plan.
- c. The agency informed the Committee that the BH plan had been revised in consultation with GSI, Jaipur, and presented the revised plan for consideration.
- d. The Committee reviewed the revised BH plan and approved the drilling of five boreholes in a grid pattern of 200 × 400 m, as proposed by the agency.

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Recommendations of TCC-1:

The Committee approved the drilling of five boreholes in a grid pattern of 200 × 400 m, as proposed by the agency.

Agenda 100.5.27. Preliminary Exploration (G3) for REE and associated critical minerals in the NB 14 block (2.42 sq. km.) in the northern part of the Siwana Ring Complex, Balotra district, Rajasthan

[Implementing Agency: M/s. Gemcokati Exploration Pvt. Ltd.]

- a. The agency informed that the NB-14 block was allocated for G3-level exploration following approval by the 5th Joint TCC and the 3rd PSC.
- b. The progress of the project was reviewed in the 9th Joint TCC Meeting, wherein the Committee observed that the Phase-I borehole plan was sub-optimal, as all five boreholes were located in exposed rock areas. The agency was advised to coordinate with GSI, Jaipur, review the available geological and exploration data, and submit a revised borehole (BH) plan.
- c. The agency informed the Committee that, based on detailed discussions, GSI, Jaipur recommended drilling three boreholes to bridge the gaps between the existing boreholes.
- d. The Committee reviewed the revised borehole plan and approved the drilling of three boreholes as recommended by GSI, Jaipur.

Recommendations of TCC-1:

The Committee reviewed the revised borehole plan and approved the drilling of three additional boreholes as recommended by GSI, Jaipur.

Agenda 100.5.28. Preliminary Exploration (G3) for Bauxite, Vanadium, Gallium and associated minerals around Patgaon and Somlewadi villages (Patgaon Block), Sindhudurg district, Maharashtra.

[Implementing Agency: Geomarine Solutions Pvt. Ltd.]

- a. The agency informed that the project was approved during 43rd EC Meeting held on 14th August, 2025. The Sanction Order was issued on 4th September, 2025 with timeline of 12 months (up to 03.09.2026) and approved cost was INR 2,28,15,398/-
- b. The project was reviewed in the 98th TCC-I Meeting, wherein DGM, Maharashtra informed the Committee that the District Collector had issued written directions to discontinue the project due to local agitation.
- c. The Committee accorded in-principle approval for closure of the project, subject to receipt of the communication issued by the District Collector/District Magistrate.
- d. The agency approached the Committee seeking approval for revision of the project cost.
- e. The Committee observed that the agency had not yet submitted the communication from the District Collector/District Magistrate regarding closure of the project.
- f. The Committee decided that the revision of the project cost and recommendation for pre-closure would be considered only after receipt of the communication issued by the District Collector/District Magistrate.

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Recommendations of TCC-1:

The Committee decided that the revision of the project cost and recommendation for pre-closure would be considered only after receipt of the communication issued by the District Collector/District Magistrate.

Agenda 100.5.29. Preliminary Exploration (G-3) for Bauxite, Vanadium, Gallium and associated minerals around Pendhri village (Pendhri Block), Sindhudurg District, Maharashtra

[Implementing Agency: Geomarine Solutions Pvt. Ltd.]

- a. The agency informed that the project was during 43rd EC Meeting held on 14th August, 2025. The Sanction Order was issued on 4th September, 2025 with timeline of 12 months (up to 03.09.2026) and approved cost was INR 2,26,33,992/-.
- b. The project was reviewed in the 98th TCC-I Meeting, wherein DGM, Maharashtra informed the Committee that the District Collector had issued written directions to discontinue the project due to local agitation.
- c. The Committee accorded in-principle approval for closure of the project, subject to receipt of the communication issued by the District Collector/District Magistrate.
- d. The agency approached the Committee seeking approval for revision of the project cost.
- e. The Committee observed that the agency had not yet submitted the communication from the District Collector/District Magistrate regarding closure of the project.
- f. The Committee decided that the revision of the project cost and recommendation for pre-closure would be considered only after receipt of the communication issued by the District Collector/District Magistrate.

Recommendations of TCC-1:

The Committee decided that the revision of the project cost and recommendation for pre-closure would be considered only after receipt of the communication issued by the District Collector/District Magistrate

Agenda 100.5.30. Preliminary Exploration (G-3) for Base metals and Associated Mineralization in Jotri-Peepal Block, Tehsil-Pahadi & Seekri, District-Deeg, State-Rajasthan

[Implementing Agency: M/s Steiger Geoscience and Engineering Private Ltd.]

- a. The agency informed that the project was during 5th PSC Meeting held on 9th February, 2026. The Sanction Order was issued on 6th March, 2026 with timeline of 12 months (up to 05.03.2027) and approved cost was INR 4,81,77,314/-.
- b. The agency informed the Committee that the initial G4-stage activities, including PGRS studies, large-scale geological mapping (30 sq. km), drone LiDAR and magnetic surveys, bedrock sampling, geochemical analyses (ICP-MS, XRF, and fire assay), and data integration, have been completed.
- c. Based on the integrated interpretation, a 4 sq. km target area has been delineated for Detailed Mapping (1:2,000 scale), and the agency sought approval to undertake Detailed Mapping and ground geophysical surveys (SP, Gravity, and IP).

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- d. The agency carried out PRISMA hyperspectral data analysis to delineate gossan and hydrothermal alteration zones, enabling discrimination between altered/gossanous rocks and potential mineralized zones for target generation.
- e. The agency completed Drone LiDAR topographic and Drone Magnetic surveys over the study area, generating DSM, DTM, orthomosaic imagery, and magnetic anomaly maps (TMI, RTP, and RTP Residual) to support structural interpretation and target delineation.
- f. Integrated interpretation of geophysical, geochemical, and hyperspectral datasets identified gossan zones, lead-silver anomalies, favourable structural lineaments, and a central low magnetic anomaly, resulting in the delineation of priority exploration targets.
- g. Large-scale geological mapping (1:12,500 scale) delineated the major lithological units, structural features, alteration and gossan zones, old workings, and mineralized zones, supported by 3,338 geological observations and 100 rock samples, establishing favourable targets for follow-up exploration.
- h. Laboratory analysis of 91 ICP-MS samples and 5 Fire Assay/XRF samples revealed clustered geochemical anomalies for Pb, Ag, Zn, Au, As, Ba, Sb, Ti, Co, Bi, Th, and Cr, which broadly coincide with the mapped gossan zones and old workings, confirming the identified exploration targets.
- i. Based on the integrated interpretation of geological, geochemical, and geophysical data, a 4 sq. km target area has been delineated for Detailed Mapping (1:2000 scale), pitting/trenching, and ground geophysical surveys (SP, Gravity, and IP) as the next stage of exploration, for which the agency sought the Committee's approval.
- j. The Committee reviewed the progress of the project and suggested the agency to proceed with Detailed Mapping (1:2,000 scale) over 4 sq. km, along with pitting/trenching and ground geophysical surveys, as envisaged in the approved project.
- k. The Committee further advised the agency to present the project for review after completion of the Detailed Mapping, pitting/trenching, and geophysical surveys.

Recommendations of TCC-1:

The Committee suggested the agency to proceed with Detailed Mapping (1:2,000 scale) pitting/trenching and ground geophysical surveys, as envisaged in the approved project.

100.6: Cost Rectification of Approved Projects

Agenda 100.6.1. Preliminary Exploration (G3) for Graphite in Chadranga Block, District- Raygada, Odisha

[Implementing Agency: M/s Eartnenviro Lab Pvt. Ltd.]

- a. The project was approved in 10th PSC with a cost of Rs. 202.26 lakhs (inclusive of GST).
- b. The committee was apprised that after approval of project, mis-calculation in the approved cost sheet came to notice.
- c. The committee hence rectified the cost sheet as per Annexure 6.

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Recommendations of TCC-1:

The committee recommended rectification of cost from Rs 202.26 lakhs (inclusive of GST) to 190.11 lakhs (inclusive of GST) for approval of PSC.

The committee recommended the proposal titled "Preliminary Exploration (G3) for Graphite in Chadranga Block, District- Raygada, Odisha" for approval of PSC, NMEDT with an estimated cost of Rs. 190.11 lakhs (including GST) with a timeline of 12 months for carrying out the proposed work and submission of report as per Annexure – 6A & 6B. The item will be reviewed after 3, 6 and 9 months.

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Rectified Estimated cost for Preliminary Exploration (G3) for Graphite in Chadranga Block, District- Raygada, Odisha
[Total area-4.4 sq km, Nos. of Boreholes-10; Total Drilling: 700 m (8 BH 1st level 30 m intersection, 2nd level 60 m intersection) Schedule time
line- 12 months; Review after 3, 6 and 9 months]

1st Phase: Mapping & surface Sampling; 2nd Phase: Geophysics; 3rd Phase: Drilling

S. No.	Item of Work	Unit	Rates as per NMET New SoC		Estimated Cost of the Proposal		Remarks
			SoC-Item - Sl	Rates as per SoC	Qty.	Total Amount (Rs)	
	Ist Phase						
A	Geological Mapping and contouring on 1:2000 scale, other Geological Work and Topographical Survey	Sq. km	1.1	18300	4.4	80,520	In house
i	Charges for one Geologist - HQ	Man days	1.2.1a	10500	30	315,000	
ii	Charges for two Geologist- Field	Man days	1.2.1a	14500	90	1,305,000	
iii	Labour charge for sample collection, packaging, carrying(2Nos) Base rate - Rs.556/-	Man days	5.8	556	180	100,080	As per Labour commission
iv	Charges for one Sampler per day for BRS, Pits, Trenches & BHS sample Preparation	Man days	1.2.1b	7,850	66	518,100	
v		Man days	5.8	556	264	146,784	

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	Labour Charges (4 Nos) for sample Preparation Base rate - Rs.541/-						
vi	Topographic Survey/Surveyor	Man days	1.3.1	10500	30	315,000	
viii	Labour for Survey work	Man days	5.8	556	120	66,720	
viii	Demarcation of Block Boundary point by DGPS including Labour deployed for work	Per Point of Observation	1.3.2	24000	14	336,000	10 BH + 4 Cardinal Points
	Sub Total- A					3,183,204	
B	Pitting/Trenching						
ii	Trenching	Cu m	2.1.1	4,125	100	412,500	
	Sub Total B					412,500	
	2nd Phase						
C	Geophysical Survey						
i	Self-Potential	Line Km (8-10 km)	3.3a	62140	15	932,100	15 L km
	Sub Total- C					932,100	
	3rd Phase						
D	DRILLING (out Source)						
i	Drilling HQ Size (Hard Rock)	per m	2.2.1.1c	10,000	700	7,000,000	
ii	Concrete Pillar Construction	per Bore Hole	2.2.7	2,000	10	20,000	
iii	Borehole plugging by cement (HQ)	Lump sum per Borehole	2.2.8	10,000	10	100,000	
iv	Drill Core Preservation	Per m	5.3	1,590	300	477,000	1 complete BH + Remaining mineralized core
	Sub Total- D					7,597,000	
E	LABORATORY STUDIES(Primary & Check samples)						
1a	Primary Samples(Pitting/Trench/BRS/Core)for Proximate Analysis for Graphite(Pr)	No.	4.1.18	3614	450	1626300	BRS-50, TRS-100, BH-300

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1b	Proximate Analysis for Graphite(Ch) External check samples from NABL Lab	No.	4.1.18	3614	45	162630	10%
2a	Whole rock analysis (Oxide and trace) by XRF	No.	4.1.17a	4200	10	42000	
2b	Whole rock analysis(Ch) (Oxide and trace) by XRF	No.	4.1.17a	4200	1	4200	
3	ICPMS by sequential Technique	No.	4.1.15	7400	20	148000	
4	ICPMS (check samples)	per sample	4.1.15	7400	2	14800	
5	Physical & Petrographic studies						
i	Preparation of polished thin sections	No.	4.3.2	800	10	8000	
ii	Complete Petrographic/Ore Microscopic study/ Mineragraphic Report of Rock Sample	No.	4.3.4	2800	10	28000	
iii	Determination of Bulk Density	PerSample	4.8.3	2500	2	5000	
iv	Raman Spectroscopic Study/MCT	per Hour	4.5.1	2700	10	27000	
	Sub Total - E					2,065,930	
	Total-A+B+C+D+E					14,190,734	
	Total Outsourced Component					7,000,000	
	Tendering Cost		5.9	2% of approved project cost		140,000	
	Technical Supervision Cost in case of Outsourced components		6	10% of approved cost with a maximum ceiling of 20 lakhs		700,000	
G	Total Cost					15,030,734	
H	Preparation of Exploration Proposal	1	5.1	2% of approved project cost or 5 lakh whichever is lower		300614.68	

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I	Geological Report Preparation(Soft copy)	1	5.2(iii)	Total cost of Project exceeding 150 Lakh :7.5 Lakh	1	750000	
J	Peer review Charges			As per EC decision		30,000	
K	Project Cost without GST					16,111,349	
L	Provision for GST (18%)					2,900,043	
M	Total Estimated Cost with GST					19,011,391	
N	Rs. In Lakhs					190.11	
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						

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Annexure 6B																
Time Schedule/Action Plan for Preliminary Exploration (G3) for Graphite in Chadranga Block, District- Raygada, Odisha																
S.No	Activity Plan	1	2	3		4	5	6		7	8	9		10	11	12
1	Topographical Survey				REVIEW-1				REVIEW-2				REVIEW-3			
2	Lithological Mapping(1:4000 scale) and Sampling															
3	Pitting, Trenching															
4	Sample Preparation for chemical anaysis															
First Review by TCC on progress and outcome																
5	Geophysical Survey															
Second Review by TCC on progress and outcome																
6	Exploratory Drilling, Borehole collar survey															
7	Logging, Sampling, Bulk Density determination															
8	Chemical Analysis															
9	Mineragraphic, XRD, Trace Element Study and other studies															
Final Review by TCC on progress and outcome																
10	Data Synthesis and draft report preparation															
11	Peer Review															
12	Final Report Preparation and Submission															

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100.7: Cost Evaluation of New Projects Proposals

The cost evaluation of proposals was done and approved costsheets are placed after respective projects.

100.8: Review of Ongoing Baseline Data Generation Projects (Additional Agenda)

Agenda 100.8.1. Multi-Sensor Aero-geophysical Survey over Block-5

[Implementing Agency: GSI]

- a. GSI informed that the survey forms part of the National Aero-geophysical Mapping Programme (NAGMP), with Block-5 being the largest survey block under the programme, covering approximately 91,219 sq. km with 3,34,470 line km of aero-geophysical data acquisition.
- b. It was further informed that the Memorandum of Agreement (MoA) for NAGMP Block-5 was signed between GSI and the consortium of M/s Sander Geophysics Limited (Lead Partner) and M/s Pan India Consultants Pvt. Ltd. on 30.06.2023, with an initial contract validity up to 31.01.2026. Subsequently, the contract was extended up to 31.12.2027 through Addendum to the MoA.
- c. It was further informed that as per the Memorandum of Agreement (MoA) signed on 30.06.2023, OGP Block-5 envisages acquisition of 3,34,470 line km of aero-geophysical data over approximately 91,219 sq. km, covering parts of Madhya Pradesh, Chhattisgarh, Jharkhand, Odisha, and Uttar Pradesh.
- d. Toposheet No. 55K/1 and parts of Toposheet Nos. 55M/16, 64A/4, and 64A/5 were initially excluded from the survey, as they were designated as Restricted/No-Fly Zones by the Ministry of Defence vide OM No. 20(03)/2017/D(GS-III) dated 20.06.2017.
- e. Certain areas initially classified as No-Fly Zones by the Ministry of Defence (MoD OM dated 20.06.2017) were subsequently opened for aero-geophysical surveys in accordance with the DST Guidelines, 2021, and the necessary permissions were obtained from the local Air Traffic Control (ATC).
- f. Accordingly, additional line kilometers were flown over these previously restricted areas within the project block, resulting in survey coverage beyond the originally planned scope.
- g. An additional ~6,867 line km of aero-geophysical data were acquired over approximately 1,873 sq. km, representing an increase of about 2.05% over the contracted survey target.
- h. The additional coverage eliminates data gaps in critical areas, improves the continuity and interpretation of geophysical anomalies, ensures comprehensive block coverage, and strengthens the dataset for mineral exploration and target delineation.
- i. GSI further informed that the Clause 26.2 of the existing MoA permits variation in the contracted line kilometers, with the final cost to be adjusted at Milestone-5. The MoA also provides for execution of an addendum to accommodate such variations.
- j. GSI sought Revision of the project cost from US\$ 68,35,603.12 to US\$ 69,74,975.75 (US Dollars Sixty-Nine Lakhs Seventy-Four Thousand Nine Hundred Seventy-Five

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and Cents Seventy-Five only), inclusive of 18% GST, on account of the increase in Line Km as per actual coverage completed by the PIA, M/s Sanders Geophysics Limited, Canada.

- k. The committee reviewed the proposal and recommended additional cost of \$1,39,372.63 (US Dollars One Lakhs Thirty-Nine Thousand Three Hundred Seventy-Two and Cents Sixty-Three only) for approval.

Recommendations of TCC-1:

The committee recommended revision of cost of project from US\$ 68,35,603.12 to US\$ 69,74,975.75 with a change in amount of \$1,39,372.63 (~2.03 % escalation), for approval of PSC, NMEDT.

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Annexure- 7

List of participants who attended the 100th Meeting of Technical-cum-cost Committee (TCC-I) of NMEDT held on 13th and 14th July 2026 through video conferencing mode

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86	Representatives from DGM Madhya Pradesh				
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