

Ministry of Mines
National Mineral Exploration and Development Trust
Minutes of the 92nd Technical-cum-Cost Committee-1 (TCC-1) Meeting held on
10th and 11th March 2026 through video conferencing

The 92nd 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 10th and 11th March 2026. Members of TCC-1, NMEDT and representatives from DGM Chhattisgarh, DGM Rajasthan, DGM WB, DGM Maharashtra, DGM Jharkhand, DGM Odisha, DGM MP, M/s. APC Drilling & Construction Private Limited, JMECL, M/s. MMPL Private Limited, MECL, TGMDC, M/s. Bhushilp Mines & Minerals Pvt. Ltd., M/s. Kartikay Exploration and Mining Services Pvt. Ltd., M/s. Indian Mine Planners & Consultants, M/s. Enkay Enviro Services Pvt. Ltd., M/s. GMMCO Technology Services Ltd, M/s. Mining Associates Private Limited, M/s. Geovale Services Pvt Ltd., M/s. Eartnenviro Lab Private Limited, M/s. Mining Tech Consultancy Services Limited, M/s. Geo Marine Solutions Pvt. Ltd., DGM Karnataka, M/s. Gemcokati Exploration Pvt. Ltd. and OMC have attended the meeting through their respective VC modes..

The list of participants is enclosed in Annexure-6.

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 92.1: Technical evaluation of new project proposals

Agenda 92.1.1. Reconnaissance Survey (G4) for Limestone & Associated Minerals in Prashnawada-Padruka (Block-A) & Kadwasan (Block-B), Gir Somnath District, Gujarat.

[Implementing Agency: APC Drilling]

- a. The proposed block falls within Survey of India Toposheet Nos. 41L/09 and 41L/05. The area exposes Deccan Traps, miliolite limestone of the Miliolite Formation, Tertiary sedimentary rocks of the Gaj Formation, and is partly covered by recent alluvium.
- b. DGM, Gujarat carried out detailed exploration for limestone through drilling in Padruka, Kadasala, Solay, and Matana villages of Veraval/Sutrapara Taluka, Junagadh (present Gir Somnath) District during the field season 1983–84.
- c. Based on the findings from the drilling, it was recommended to continue investigations to explore and evaluate the entire miliolitic limestone along the coastal areas of Saurashtra for chemical-grade limestone.
- d. CGM, Gujarat carried out geological mapping on a 1:50000 scale using remote sensing techniques during the field season 1995–96 in parts of Junagadh (present Gir Somnath) and Jamnagar (Porbandar) districts of Saurashtra.

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- e. An area of approximately 2,580 sq. km was mapped, covering Survey of India Toposheet Nos. 41G/5, 41G/6, 41G/10, 41G/11, 41G/15, 41K/4, and parts of 41K/3, 41L/1, 41L/5, 41L/9, and 41L/10.
- f. The study revealed that a major part of the surveyed area is covered by trap rocks and miliolitic limestone, with intermittent exposures of miliolitic limestone occurring along the coastal tract from Kodinar in Gir Somnath district to Miyani in Porbandar district.
- g. CGM, Gujarat recommended G-4 stage exploration in the Prashnawada and Matana blocks and G-3 stage exploration in the Padruka block for limestone.
- h. The proposed work components include detailed geological mapping (1:4,000 scale), bedrock sample collection, pitting/trenching, grid-pattern drilling (12 boreholes), and assessment of mineral potential with respect to the UNFC G-3 category.
- i. The proposal was reviewed in the 91st meeting of TCC-I, wherein the agency was advised to undertake G-3 stage exploration for limestone and associated minerals in the proposed block. The agency subsequently revised the proposal and submitted the DPR. It was also informed that the Government of Gujarat has granted NOC for the two blocks.
- j. The proposed area comprises two blocks: Prashnawada–Padruka (Block-A) covering 5.10 sq. km and Kadwasan (Block-B) covering 11.60 sq. km, allotted by the Government of Gujarat, with a total area of 16.70 sq. km.
- k. The Committee reviewed the proposal and suggested that exploration work be carried out in two phases. Phase-I shall include systematic collection of surface samples, followed by Phase-II comprising drilling in a grid pattern at 800 m × 800 m spacing. Drilling shall be initiated only after review of the surface sample analysis. Further, two separate reports are to be prepared for Prashnawada–Padruka (Block-A) and Kadwasan (Block-B).

Sl. No.	Agency	Brief Comments
1.	GSI	There are no ongoing reconnaissance or exploration projects pertaining to limestone or any other mineral in the proposed area
2.	MECL	Not overlapping with MECL explored block and ongoing blocks.
3.	AMD	NA
4.	State DMG/DGM/CGM	After excluding the overlapping areas, the revised boundary comprising 5.10 sq. km for Prashnawada-Padruka Block-A and 11.5 sq. km for Kadwasan Block-B, which fall outside the blocks proposed and outside the existing lease areas, has been taken into consideration & NOC is granted only for the revised block areas.

Recommendations of TCC-1:

The committee recommended the proposal titled “Preliminary Exploration (G-3) for Limestone in Prashnawada, Block-A & Kadwasan, Block-B, District: Gir Somnath, State: Gujarat” for approval of PSC, NMEDT with an estimated cost of Rs. 212.41 lakhs (including GST) within time schedule of 8 months for carrying out the proposed work and submission of report as per Annexure – 1A & 1B. The item will be reviewed after 3 and 6 months.

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Preliminary Exploration (G-3) for Limestone in Prashnawada, Block-A & Kadwasan, Block-B, District: Gir Somnath, State: Gujarat
[Block area-16.70 sq. km; BH-23 Nos; Total Drilling-1010 m [Prashnawada:210 m (7 BH of 30 m depth each); Block B; 800m (16 BH , each of 50 m depth)], ; Schedule timeline- 8 months; Review- After 3 and 6 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)	
A	GEOLOGICAL WORK & TOPOGRAPHICAL SURVEY (1:4000 scale)						
i	Geological Mapping (Prashnawada 5.10 + Kadwasan 11.60)	Sq.km	1.1	18300	16.7	305610	
ii	Charges for one Geologist- Field	day	1.2.1a (b)	14500	100	1450000	
iii	Charges for one Geologist - HQ	day	1.2.1a (a)	10500	30	315000	
iv	2 labours / Party(As per rates of Central Labour Commissioner)	day	5.8	541	200	108200	
v	Sampling Party days-1 Samplers	day	1.2.1b	7850	120	942000	
vi	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	480	259680	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
vii	Survey Party Days for DGPS topographical contour survey, BH fixation and RL determination	day	1.3. 1	10500	20	210000	
viii	Boundary survey by DGPS	Nos	1.3.2	24000	21	504000	Cardinal points
ix	4 labours for surveyor	day	5.8	541	80	43280	
			Sub Total- A			4137770	
B	DRILLING (In house)						
i	Drilling upto 300m (Soft Rock) (2 rigs)(Prashnawada - 210+ Kadwasan -800)	m	2.2.1.1c	5500	1010	5555000	Block-A-7 BH(depth 30m) & Block-B 16 BH (50 m)
ii	Land / Crop Compensation	per BH	5.6	30000	23	690000	As per actuals with 30000 being ceiling

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iii	Construction of concrete Pillar (12"x12"x30") (23 BH Pillar +21 Boundary Pillar)	per borehole	2.2.7	2000	44	88000	
iv	Miscellaneous charges -Transportation of Drill Rig, Accomodation of Drill Camp, Camo setting & winding,Construction of Approach Road and Drill Core Preservation (One complete borehole plus mineralised cores of all the remaining BHs)	Lumpsum	2.2.9			1111000	20 % or 15 Lakh if drilling cost more than 50 lakhs & <1Cr
v	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes by DGPS	Nos	1.3.2	24000	23	552000	23 Boreholes
	Drill Core Preservation	per m	5.3	1590	700	1113000	Block A: 1 complete BH + Mineralised core (150m) and Block B: 1 complete BH + Mineralised core (550m)
Sub Total- B						9109000	
C	LABORATORY STUDIES						
1	Chemical Analysis						
	Primary & Check samples for Limestone BRS/Pit/Chip/Channel/BH samples)						
	Complete analysis of dolomite/ limestone/gypsum/ clay/ manganese ore/ bauxite/ iron ore samples	Nos	4.1.11	3900	865	3373500	BH-815 BRS-50 (Prashnawada-20 & Kadwasan -30)
	Check samples for Complete analysis of dolomite/ limestone/gypsum/ clay/ manganese ore/ bauxite/ iron ore samples	Nos	4.1.11	3900	87	339300	
	c.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	10	74000	Per BH 2 samples
2	Petrological samples (BH Core Samples)						
i	Preparation of thin section	Nos	4.3.1	500	10	5000	
ii	Study of Thin Section including photomicrographs	Nos	4.3.4	2800	10	28000	
3	Mineral Physics Studies						
iv	XRD Analyses for identification of minerals(Random)		4.5.2	4000	5	20000	

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v	Specific Gravity Determination	Nos	4.8.1	2500	5	12500	From BH
						Sub Total- C	3852300
						Total A to C	17099070
D	Geological Report Preparation - including charges of typing text,, table etc., degitization of maps/ sectinons etc.,		5.2 (ii)	Cost per 5 copies of report along with soft copy	2	500000	Total cost of the project exceeding 150 lakhs Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET. (2.5 lakhs *2). The cost for separate block should be about 8500000/-
E	Peer review Charges		As per EC	30000	2	60000	2 GR to be prepared
F	Preparation of Exploration Proposal	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is lower		341981.4	
G	Total Estimated Cost without GST					18001051	
H	Provision for GST (18% of G)					3240189	GST will be reimburse as per actual and as per notified prescribed rate
I	Total Estimated Cost with GST					21241241	
						or Say Rs. In Lakhs	212.41
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 Soc SI No. 6 of NMEDT. In case of execution of the project by NEA/NPEA 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 1B

Time Schedule/ Action Plan for Preliminary Exploration (G-3) for Limestone in Prashnawada, Block-A & Kadwasan, Block-B, District: Gir Somnath, State: Gujarat

SI.		Months										
No.	Activities	1	2	3		4	5	6		7	8	
1	Camp Setting				R E V I E W				R E V I E W			
2	Geological Mapping & Sampling (Bed Rock /Grab)											
3	Survey Work(1 Party) (Topography + BH Survey)											
4	Drilling (2 rig)											
5	Geological Work(1 Geologist)											
6	Sampling Work -BRS/Core Samples											
7	Camp Winding											
8	Laboratory Studies											
9	Geological Work/ Report Writing											
10	Peer Review and Report Submission											

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Agenda 92.1.2. Preliminary Exploration (G3) for Bauxite, Titanium, and Associated Minerals in Behrapat Block, District: Gumla, Jharkhand
[Implementing Agency: JEMCL]

- a. The The proposed block falls within Survey of India Toposheet No. 73A/and exposes high-grade metamorphic rocks such as schists and gneisses of the Chhotanagpur Gneissic Complex, basaltic rocks of the Deccan Trap along with associated Intra-Trappean (Lameta) beds, Late Tertiary laterite, bauxite and lithomarge cappings, overlain by recent alluvium, conglomerate, and carbonaceous shale.
- b. The Committee was informed that GSI, Ranchi has recently provided its comments on a proposed NMET block overlapping with the present proposal in Toposheet No. 73A/08, which was submitted by M/s Gems Projects Pvt. Ltd. It appears that the proposal is a duplication by two different agencies, namely M/s Gems Projects Pvt. Ltd. and Jharkhand Exploration and Mining Corporation Limited (JEMCL), Ranchi. Accordingly, the observations of GSI, Ranchi remain the same.
- c. The committee opined that as the proposal is currently under consideration in TCC-II as a G-4 stage investigation, the project may be kept in abeyance until a decision is taken by TCC-II, based on which further deliberations on the project will be undertaken in TCC-I.

Sl. No.	Agency	Brief Comments
1.	GSI	As per GSI records, this area has been investigated through G-4 by GSI in 1971-72 for commodity of bauxite. Within this block of G-4, a G-3 block named as SUKRAHATU-KOENATOLI PLATEAU was explored by GSI in 1971-72 for the commodity of bauxite. Tentative probable reserve of bauxite of all grades has been estimated at 1.45 million tonnes (MT) with about 46% Al ₂ O ₃ up to a depth of 6.00 m. GSI has further proposed CMAP items in the northern part of the toposheet and is seamlessly progressing through its investigation along the spatial extents of the laterite covers. Based on its earlier resource calculation, GSI has already given four resource- bearing reports in this area with bauxite as an association with vanadium and titanium. GSI is likely to proceed in a southeast direction, further upgrading its investigation provided the area under consideration falls out of the leasehold area.
2.	MECL	NA
3.	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block. here is no ongoing exploration / reconnaissance project.
4.	State DMG/DGM/CGM	NA

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5.	NMEDT	The proposed block is not overlapping with NMEDT funded block.
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Recommendations of TCC-1:

The committee deferred the proposal as the proposal is currently under consideration in TCC-II as a G-4 stage investigation (proposed by other agency), and decided that the project may be kept in abeyance until a decision is taken by TCC-II, based on which further deliberations on this project will be undertaken in TCC-I.

Agenda 92.1.3. Reconnaissance survey (G4), of Vanadium Scandium and Associated minerals hosted in Aluminous laterite in Walkarwadi area, Ratngiri District, Maharashtra

[Implementing Agency: MMPL Pvt. Ltd.]

- a. The proposed block falls within Survey of India Toposheet No. 47H/9. Regionally, the area exposes gneisses of the Peninsular Gneissic Complex (PGC); acidic, metabasic, and ultramafic intrusives of Archaean to Paleoproterozoic age; metasedimentary rocks of the Dharwar Supergroup; sedimentary rocks of the Kaladgi Supergroup; and basalts of the Deccan Trap.
- b. Laterites have developed over the Deccan basalts of Upper Cretaceous to Palaeogene age, shales of the Kaladgi Supergroup of Neoproterozoic age, and gneisses and granites of Archaean to Paleoproterozoic age.
- c. The area is characterized by in situ lowland lateritic profiles developed over Deccan basalts, representing Quaternary lateritization, with thickness ranging from 10–20 m and comprising aluminous laterite and bauxite, as corroborated by GSI studies in nearby areas (Zarewadi and Joshigaon).
- d. Geochemical Mapping (FS 2021–22) under the NGCM programme of GSI over Toposheet Nos. 47H/09 and 47H/10 indicated significant potential in laterite caps over Deccan basalts, with anomalous concentrations of Vanadium (316–696 ppm), Nickel (106–272 ppm), Cobalt (35–114 ppm), Chromium (160–644 ppm), and REEs around Devle, Lanja, and Kondye.
- e. These findings are supported by analyses of 81 bedrock samples (BRS) and 27 core samples (CS) of aluminous laterite, indicating Vanadium values of 137–2543 ppm and Scandium values of 17–75 ppm.
- f. A recent GSI study on lateritic profiles over the Western Dharwar sequences and Deccan Traps in parts of Sindhurg, Ratnagiri, and Kolhapur districts involved reconnaissance mapping (~2,400 sq. km), limited drilling, and extensive sampling and analyses, resulting in delineation of 16 prospective blocks, of which 5 were proposed for G-4 stage exploration for bauxite, aluminous laterite, and associated critical minerals (including Vanadium and Scandium) for FS 2025–26.
- g. In view of the above, the agency proposed the block for G-4 stage exploration for Vanadium, Scandium, and associated minerals, with work components including large-scale mapping (1:12500), pitting/trenching, resistivity profiling, and resource assessment through scout drilling under the UNFC G-4 category.
- h. The Committee observed that the major laterite horizon lies further west of the proposed area, where GSI has already undertaken exploration. The present block comprises scattered ferruginous laterite exposures with comparatively low values of Vanadium and Scandium, and over 50% of the area is covered by basalt as per available maps. Further,

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extraction of critical minerals such as Scandium, Vanadium, and Titanium is constrained due to their mineralogical association. It was also noted that the proposed block overlaps with a proposed EL block.

- i. DGM, Maharashtra informed that part of the area falls within an eco-sensitive zone and has been requested to share the relevant database with the NMEDT Secretariat.
- j. The Committee suggested modification of the proposed area after re-examining all available data, restricting the block strictly to laterite-covered zones and excluding areas falling within the eco-sensitive zone (ESA). Accordingly, a polygonal area of about 25–30 sq. km may be delineated. The primary commodity shall be aluminous laterite, and the project title may be revised to: “Reconnaissance Survey (G-4) for Aluminous Laterite and Associated Critical Minerals”.

Sl. No.	Agency	Brief Comments
1.	GSI	GSI has carried out one mineral exploration programme (RP) titled “Regional assessment of lateritic profiles developed over the western Dharwar sequences and Deccan Traps in parts of Sindhudurg, Ratnagiri and Kolhapur districts, Maharashtra. (RP Item) (Field Season: 2022-2024)” encompassing the proposed block of MMPL Private Limited. However, GSI, SU: Maharashtra has submitted one Exploration License (EL) Block for vanadium for handing over to the Ministry of Mines for auctioning, that overlaps for 4 sq.km with the proposed Walkarwadi block of M/s MMPL Pvt. Ltd. The proposal of the EL block is under internal scrutiny at the National Mission Head-II of GSI.
2.	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3.	AMD	AMD has not carried out any exploration/reconnaissance project in the proposed block. here is no ongoing exploration / reconnaissance project.
4.	State DMG/DGM/CGM	DGM, Maharashtra informed that the area proposed by the MMPL comes under Eco-Sensitive Zone.
5.	NMEDT	The proposed block is not overlapping with NMEDT funded block.

Recommendations of TCC-1:

The Committee deferred the proposal, noting that the area comprises scattered ferruginous laterite exposures with low values of Vanadium and Scandium, with more than 50% of the area covered by basalt and a part falling within an eco-sensitive zone (ESA). The agency was advised to modify the block by restricting it to laterite-covered areas and excluding the ESA and EL blocks, and to resubmit the DPR in the next TCC-1 meeting.

**Agenda 92.1.4. Reconnaissance Survey (G4) of VTM and PGE (Pt, Ir, Os, Pd, Ru, Re, Au) in Koilamati area, Karbi Anglong District, Assam
[Implementing Agency: MMPL Pvt. Ltd.]**

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- a. The proposed block falls within Survey of India Toposheet Nos. 83F/11 and 83F/15. The area hosts gabbro–anorthosite, pyroxenite, and ultramafic intrusives emplaced along NE–SW and E–W trending shear zones, such as the Kaliyani River Lineament, which control magmatic mineralisation.
- b. The work of GSI states that the Kulamati gabbro–anorthosite complex in the Karbi Hills of the Shillong Plateau represents a newly identified stratified Fe–Ti–V-bearing magmatic body, classified as titanomagnetite ore. It intrudes the Shillong Group and remains unmetamorphosed, indicating a post-Shillong Group emplacement (<1,400 Ma).
- c. The magnetite-rich bands comprise titanomagnetite, ilmenite, hematite, and coulsonite, while the silicate layers consist of plagioclase, clinopyroxene, olivine, and chlorite. The proposed block is also locally affected by NE–SW trending faults.
- d. Fe–Ti–V mineralisation occurs as titanomagnetite–ilmenite–coulsonite assemblages within gabbro–anorthosite units, with oxide-rich zones recording TiO₂ values of 10.9–12.7 wt% and V₂O₅ values up to 1.47 wt%.
- e. PGE minerals such as braggite (Pt–Pd–Ni sulphide), laurite (RuS₂), and cooperite (PtS) have been reported for the first time from the Koilamati complex, indicating its potential for both VTM and PGE mineralisation.
- f. The agency collected three samples (S3, S5, S6) from a magnetite-bearing band (~4 cm) within fine-grained pyroxenite in a stream section; analyses indicate Fe(T) (17.3–52.05%), TiO₂ (1.02–13.84%), V₂O₅ (0.05–1.25%), Cr (137–7185 ppm), Ni (41–584 ppm) suggesting an ultramafic affinity. The PGE values were as Pt 0.02 ppm, Pd 0.031 ppm, Ru 0.008 ppm).
- g. The Committee observed that the project had earlier been discussed in the 82nd TCC and advised the agency to collate all relevant data, particularly analytical values of Vanadium and PGE, revise the proposal, and resubmit it. The agency was further advised to delineate extensions of ultramafic bodies in consultation with GSI data, exclude gneissic areas, and reorient the block parallel to the NE–SW trending major lineament.
- h. The proposal has been revised in accordance with the suggestions, with the block redefined to focus on the vicinity of the lineament for delineation of potential zones.

Sl. No.	Agency	Brief Comments
1.	GSI	No exploration work was carried out in the proposed area. STM work is proposed for FS. 2026-27.
2.	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3.	AMD	AMD has not carried out any exploration/ reconnaissance project in the proposed block. here is no ongoing exploration / reconnaissance project.
4.	State DMG/DGM/CGM	Borpung and Koilamati area are located in Karbi Anglong dist. of Assam. Moreover, there is no major mineral lease in these areas. In Koilajan, area, there is a lease on Coal.
5.	NMEDT	The proposed block is not overlapping with NMEDT funded block.

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Recommendations of TCC-1:

The committee recommended the proposal titled “Reconnaissance Survey (G4 Stage) of VTM and PGE in Koilamati, Karbi Anglong District, Assam” for approval of PSC, NMEDT with an estimated cost of Rs. 357.97 lakhs (including GST) within time schedule 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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Reconnaissance Survey (G4 Stage) of VTM and PGE in Koilamati, Karbi Anglong District, Assam [Area 76.32 sq. km, Drilling (Scout Boreholes): 500 m; No.of BH: 5, Schedule timeline- 12 months Review: After 3, 6 Months and 9 months]								
S.No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2025		Estimated Cost of the Proposal		Total amount Multiplying factor-1.5	Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)		
A	Geological Mapping, Other Geological Work & Surveying							
i	Large-scale geological Mapping (1:12500 scale & trenching, drilling work.	Per Sq Km	1.1	₹ 18,300.00	76.32	₹ 13,96,656.00	₹ 20,94,984.00	
ii	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2 b	₹ 14,500.00	50	₹ 7,25,000.00	₹ 10,87,500.00	For drilling, core logging, sampling
iii	b. Labour Charges; Base rate	day	5.8	₹ 541.00	100	₹ 54,100.00	₹ 81,150.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or the respective State Govt, whichever is higher.
iv	c. Charges for Geologist per day (HQ)	day	1.2 a	₹ 10,500.00	40	₹ 4,20,000.00	₹ 4,20,000.00	
v	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	₹ 7,850.00	88	₹ 6,90,800.00	₹ 10,36,200.00	
vi	e. Labours (4 Nos)	day	5.8	₹ 541.00	352	₹ 1,90,432.00	₹ 2,85,648.00	
	Sub Total- A					₹ 34,76,988.00	₹ 50,05,482.00	
B	Ground Geophysical Survey							
1	Magnetic survey	per station	3.2a	₹ 1,800.00	1000	₹ 18,00,000.00	₹ 27,00,000.00	200m profile spacing, 100m station Interval; Tentative
2	Geophysicist party days (HQ)	per day	3.18a	₹ 10,500.00	10	₹ 1,05,000.00	₹ 1,05,000.00	
3	Labour Charges; Base rate	day	5.8	₹ 541.00	0	₹ 0.00	₹ 0.00	

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Sub Total- B						₹ 19,05,000.00	₹ 28,05,000.00	
C	Survey work							
a	DGPS Survey for BH fixation & RL determination and lease boundary demarcation	Per Point of observation	1.3.2	₹ 24,000.00	5	₹ 1,20,000.00	₹ 1,80,000.00	5 BH points
c	Labours Charges for survey work;	day	5.8	₹ 541.00	0	₹ 0.00	₹ 0.00	2-Labourers for 30 days
Sub-Total C						₹ 1,20,000.00	₹ 1,80,000.00	
D	Trenching/Pitting							
	a) Excavation of Trenches	per cu.m	2.1.1	₹ 4,125.00	200	₹ 8,25,000.00	₹ 12,37,500.00	
Sub-Total D						₹ 8,25,000.00	₹ 12,37,500.00	
E	DRILLING (after review) (in house)							
1	Scout Drilling up to 400m (Very Hard Rock)	m	2.2.1.1e	₹ 12,650.00	500	₹ 63,25,000.00	₹ 94,87,500.00	Scout boreholes will be plane-based on the outcome of geological mapping, trenching, geophysics, and chemical analysis, with a total meterage of 800m.
2	Borehole Deviation Survey by Multishot Camera	m	2.2.5	₹ 330.00	0	₹ 0.00	₹ 0.00	
3	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	₹ 30,000.00	5	₹ 1,50,000.00	₹ 2,25,000.00	As per actuals, with maximum ceiling of 30000 per BH
4	Construction of a concrete Pillar (12"x12"x30")	per borehole	2.2.7	₹ 2,000.00	5	₹ 10,000.00	₹ 15,000.00	
5	Miscellaneous Charges (Drill camp setting / transporation etc.)	Lumpsum	2.2.9			₹ 12,65,000.00	₹ 18,97,500.00	For Drilling cost more than 50 Lakhs and less than 1 Crore : 20% of the Drilling Cost with a maximum ceiling of ₹ 15 lakh.
6	Drill Core Preservation	per m	5.3	₹ 1,590.00	200	₹ 3,18,000.00	₹ 4,77,000.00	1 complete BH + Mineralised zones

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	Sub-Total E					₹ 80,68,000.00	₹ 1,21,02,000.00	
F	LABORATORY STUDIES							
1	Chemical Analysis							
i	Major oxides (WD XRF)- (oxides+ trace-24 elements) for groove samples, Trench sample, core sample	Nos	4.1.17a	₹ 4,200.00	100	₹ 4,20,000.00	₹ 4,20,000.00	
ii	For PGE (ICP-MS Ni-S Fire assay technique)	Nos	4.1.5a	₹ 13,600.00	150	₹ 20,40,000.00	₹ 20,40,000.00	
iii	Analysis of rock sample for quantative analysis of 14 REE elements +9 trace elements by ICP-MS.	Nos	4.1.15	₹ 7,400.00	550	₹ 40,70,000.00	₹ 40,70,000.00	BRS:100+PT:200+BH:250=550
	Surface Check samples (10% External).							
	a) Major oxides (WD XRF)- (oxides+ trace-24 elements) for groove samples, Trench sample, core sample	Nos	4.1.17a	₹ 4,200.00	10	₹ 42,000.00	₹ 42,000.00	
	Surface Check samples (10% External).							
	b. PGE by Fire Assay	Nos	4.15b	₹ 3,500.00	15	₹ 52,500.00	₹ 52,500.00	
	Surface Check samples (10% External).							
	c)analysis of rock sample for quantative analysis of 14 REE elements +9 trace elements by ICP-MS	Nos	4.1.15	₹ 7,400.00	55	₹ 4,07,000.00	₹ 4,07,000.00	
2	Physical & Petrological Studies					-		
i	Preparation of polished thin section	Nos	4.3.2	₹ 800.00	10	₹ 8,000.00	₹ 8,000.00	
ii	Complete petrographic/ ore microscopic study report of rock	Nos	4.3.4	₹ 2,800.00	10	₹ 28,000.00	₹ 28,000.00	

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	samples (alongwith 5 no of digital photo micrographs)							
iii	EPMA Studies		4.4.1	₹ 10,500.00	20	₹ 2,10,000.00	₹ 2,10,000.00	10 samples
	Sp. Gravity		4.8.1	₹ 2,500.00	2	₹ 5,000.00	₹ 5,000.00	
	Sub-Total F					₹ 72,77,500.00	₹ 72,77,500.00	
	Total A to F					₹ 2,16,72,488.00	₹ 2,86,07,482.00	
G	Geological Report Preparation	5 Hard copies with a soft copy	5.2	5.2(i/ii/iii/iv)		₹ 7,50,000.00	₹ 7,50,000.00	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
H	Peer review Charges		As per EC decision			₹ 30,000.00	₹ 30,000.00	
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 Lakhs whichever is less		₹ 5,00,000.00	₹ 5,00,000.00	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
	Total Estimated Cost without GST					₹ 2,29,52,488.00	₹ 2,98,87,482.00	
	Provision for GST (18%)					₹ 41,31,447.84	₹ 53,79,746.76	GST will be reimburse as per actual and as per notified prescribed rate
	Total Estimated Cost with GST					₹ 2,70,83,935.84	₹ 3,57,97,228.76	
				or Say Rs. In Lakhs		₹ 270.84	₹ 357.97	
Note:								
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							

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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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA 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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Time Schedule/ Action Plan for Reconnaissance Survey (G4 Stage) of VTM and PGE in Koilamati, Karbi Anglong District, Assam.

S. No.	Item of work	1	2	3	4	5	6	7	8	9	10	11	12
1	Camp Setup												
2	Large Scale Mapping (1:12500)												
3	Trenching / Pitting												
4	Bed Rock Sampling												
5	Geophysical Survey												
6	Scout Drilling												
7	Core Sampling & Preparation												
8	Chemical Analysis of Core Samples												
9	Processing of Analytical Data												
10	3D Ore Body Modeling												
11	Preparation of Geological Report												

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Agenda 92.1.5. Reconnaissance survey (G4), of Vanadium Scandium and Associated minerals hosted in Aluminous laterite in Shedekarwadi area, Ratnagiri District Maharashtra
[Implementing Agency: MMPL Pvt. Ltd.]

- a. The proposed block falls within Survey of India Toposheet Nos. 47H/9 and 47H/10. Regionally, the area exposes gneisses of the Peninsular Gneissic Complex (PGC); acidic, metabasic, and ultramafic intrusives of Archaean to Paleoproterozoic age; metasedimentary rocks of the Dharwar Supergroup; sedimentary rocks of the Kaladgi Supergroup; and basalts of the Deccan Trap.
- b. Laterites have developed over the Deccan basalts of Upper Cretaceous to Palaeogene age, shales of the Kaladgi Supergroup of Neoproterozoic age, and gneisses and granites of Archaean to Paleoproterozoic age.
- c. The area is characterized by in situ lowland lateritic profiles developed over Deccan basalts, representing Quaternary lateritization, with thickness ranging from 10–20 m and comprising aluminous laterite and bauxite, as corroborated by GSI studies in nearby areas (Zarewadi and Joshigaon).
- d. Geochemical Mapping (FS 2021–22) under the NGCM programme of GSI over Toposheet Nos. 47H/09 and 47H/10 indicated significant potential in laterite caps over Deccan basalts, with anomalous concentrations of Vanadium (316–696 ppm), Nickel (106–272 ppm), Cobalt (35–114 ppm), Chromium (160–644 ppm), and REEs around Devle, Lanja, and Kondye.
- e. These findings are supported by analyses of 81 bedrock samples (BRS) and 27 core samples (CS) of aluminous laterite, indicating Vanadium values of 137–2543 ppm and Scandium values of 17–75 ppm.
- f. A recent GSI study on lateritic profiles over the Western Dharwar sequences and Deccan Traps in parts of Sindhudurg, Ratnagiri, and Kolhapur districts involved reconnaissance mapping (~2,400 sq. km), limited drilling, and extensive sampling and analyses, resulting in delineation of 16 prospective blocks, of which 5 were proposed for G-4 stage exploration for bauxite, aluminous laterite, and associated critical minerals (including Vanadium and Scandium) for FS 2025–26.
- g. MMPL Pvt. Ltd. carried out sampling of 8 bedrock samples, which indicated significant mineralisation in the primary profile, with Al_2O_3 (22–29.42%), TiO_2 (2.35–4.62%), and enriched trace elements including V (616–784 ppm), Ga (36.7–54.7 ppm), Sc (29.5–60.6 ppm), and Zr (up to 250 ppm).
- h. In view of the above, the agency proposed the block for G-4 stage exploration for Vanadium, Scandium, and associated minerals, with work components including large-scale mapping (1:12500), pitting/trenching, resistivity profiling, and resource assessment through scout drilling under the UNFC G-4 category.
- i. The Committee observed that the proposed block overlaps approximately 91.5% with an EL block. The NMEDT Secretariat shall communicate with the NMH-II Division of GSI to ascertain the status and timeline of the EL block. In case the EL proposal is not under progress, the block proposed by MMPL may be considered. However, if the proposal is at an advanced stage and is likely to be submitted as an EL block to the Ministry of Mines, the present proposal may not be taken forward.

- j. DGM, Maharashtra also informed that part of the area falls within an eco-sensitive zone. DGM Maharashtra has been requested to share the relevant database with the NMEDT Secretariat.
- k. Based on inputs from the NMH-II Division of GSI and the ESA database to be provided by DGM, Maharashtra, an appropriate decision will be taken.

Sl. No.	Agency	Brief Comments
1.	GSI	GSI has carried out one mineral exploration programme (RP) during Field Season: 2022-2024, encompassing the proposed block of MMPL Private Limited. There is no mineral exploration item under execution in FS: 2025-26. However, one G4 stage mineral exploration programme for bauxite, aluminous laterite and associated critical/trace elements in the Oni block, Ratnagiri District, Maharashtra, has been approved for taking up in FS: 2026-27 by GSI, partially covering the parts of the proposed Shedekarwadi block of M/s MMPL Pvt. Ltd In addition to the above, GSI, SU: Maharashtra has submitted one Exploration License (EL) Block for vanadium for auctioning, which overlaps for 91.5% of the area proposed under the Shedekarwadi block. The proposal of EL block is under internal scrutiny at National Mission Head-II of GSI.
2.	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3.	AMD	AMD has not carried out any exploration/reconnaissance project in the proposed block. there is no ongoing exploration / reconnaissance project.
4.	State DMG/DGM/CGM	DGM, Maharashtra informed that the area proposed by the MMPL comes under Eco-Sensitive Zone and Eco-Sensitive Area.
5.	NMEDT	The proposed block is not overlapping with NMEDT funded block.

Recommendations of TCC-1:

The Committee deferred the proposal, noting that approximately 91.50% of the proposed block overlaps with an EL block and that a part of the area falls within an eco-sensitive zone (ESA). A final decision will be taken based on inputs from the NMH-II Division of GSI regarding the status of the EL block and the ESA database to be provided by DGM, Maharashtra.

**Agenda 92.1.6. Preliminary exploration (G3) for Nickel, Chromium and PGE in Anjaniya Block, Mahasamund-Sarangarh Bilaigarh districts, Chhattisgarh
[Implementing Agency: MMPL Pvt. Ltd.]**

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- a. The proposed block falls within Survey of India Toposheet No. 64K/14 and is predominantly occupied by metabasalt, acidic volcanics (metarhyolites), cover sediments, and ultrabasic to basic intrusive rocks of the Sonakhan Group.
- b. G-4 stage investigation (FS 2004–06) by GSI, in the Sonakhan Granite–Greenstone Belt indicated ultrabasic rocks with MgO (20.14–31.58%), SiO₂ (38.05–51.27%), CaO (0.97–7.92%), and elevated Cr (250 ppm–0.26%) and Ni (200 ppm–0.19%) contents, suggesting potential for Ni–PGE mineralisation.
- c. GSI-CR (FS 2012–13) carried out preliminary investigations for PGE and Ni in ultrabasic rocks of the Chandranagar and Lohardadar areas, identifying Ni–Fe–Cu sulphides (awaruite, pentlandite, millerite, chalcopyrite) associated with altered peridotites, along with oxide phases. Analytical results indicate Cr (15–1500 ppm), Co (50–1132 ppm), Ni (300–2900 ppm), and generally low Au (<50 ppb, with occasional values up to 80 ppb), suggesting potential for Ni–PGE mineralisation.
- d. In view of the above, the agency proposed the block for G-3 stage exploration for Ni, Cr, PGE, and flux-grade Mg potential, with work components including updation of large-scale mapping (1:12500), detailed geological mapping (1:2000 over 12.6 sq. km), ground geophysical surveys, pitting/trenching, and resource assessment through systematic drilling under the UNFC G-3 category.
- e. The Committee observed that the proposed block had already been discussed in the 90th TCC-I meeting, wherein it was noted that the existing database and samples did not indicate encouraging values of Au, PGE, Cr, or other elements. The Committee further noted that the outcomes of GSI's G-3 stage exploration were not presented. The agency was advised to reassess adjoining geologically favourable areas for Au mineralisation, consult available datasets (including NGDR) and past work by GSI/DGM/other agencies, identify gap areas, and submit a revised proposal for G-4/G-3 stage exploration.
- f. The Committee observed that the proposal lacks essential inputs and that earlier suggestions have not been adequately complied with. The agency was advised to review the G-4 stage investigation data generated by GSI, delineate and plot anomalous gold values, undertake limited confirmatory sampling, and resubmit the proposal for in-principle approval.

Sl. No.	Agency	Brief Comments
1.	GSI	100% overlapping found in the proposed Block with GSI previous works of FS 2012-13. 100% overlapping found in the proposed Block with GSI previous works of FS 2004-06.
2.	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3.	AMD	AMD has carried out G4 stage of exploration for uranium in the proposed area. Samples (n=16) assayed 10-3 ppm U3O8 from the area, there is no ongoing exploration / reconnaissance project.
4.	State DMG/DGM/CGM	DGM, Chhattisgarh has carried out survey in the proposed area during field season 1993-94. No ongoing exploration / reconnaissance project is carried out by DGM in the area. No mineral concession is granted within the proposed block.

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5.	NMEDT	The proposed block is not overlapping with NMEDT funded block. However, there is an auctionable block at a distance of 1.58 km towards south of proposed block.
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Recommendations of TCC-1:

The Committee deferred the proposal and advised the agency to incorporate the suggestions made during the TCC-I meeting and submit a revised proposal in the next TCC meeting.

Agenda 92.1.7. Reconnaissance Survey for Tungsten and associated minerals (G4) Chikara Block (61.00 sq km), Jhansi District, Uttar Pradesh [Implementing Agency: MECL]

- a. The proposed block falls within Survey of India Toposheet Nos. 54O/03 and 54O/07 and is predominantly occupied by granitoid gneisses of the Archaean Bundelkhand Granite–Gneissic Complex. Supracrustal enclaves belonging to greenstone belts are also present, represented by volcano-sedimentary sequences.
- b. The area is characterised by extensive quartz reefs, forming prominent ridges trending NNE–SSW to NE–SW, developed due to tectonically controlled hydrothermal activity along vertical to sub-vertical shear zones associated with extensional tectonics (~2.1–2.0 Ga).
- c. Systematic geological mapping (FS 1984–85) in the Bundelkhand Granite–Gneiss Complex around Ajnor–Tikamgarh–Bhagwan–Khargapur identified mineralisation in the form of specks, stringers, and thin veinlets of pyrite, chalcopyrite, and covellite along joints and fracture planes within grey gneisses.
- d. Reconnaissance survey (FS 2000–01) of quartz reefs in the Bundelkhand Granitoid Complex involved mapping and collection of ~201 geochemical samples, which indicated anomalous tungsten values (>300 ppm, up to 1000 ppm), suggesting potential for tungsten mineralisation within the quartz reefs.
- e. In the proposed Chikara block, 15 geochemical samples collected by GSI (2004) indicate anomalous tungsten values ranging from 409 ppm to 784 ppm, suggesting potential for tungsten mineralisation.
- f. GSI (FS 2016–18) applied hyperspectral/multispectral remote sensing in Tikamgarh and Jhansi districts, identifying alteration/mineralised zones with occurrences of sulphide and carbonate minerals such as pyrite, chalcopyrite, azurite, and malachite near Laron, Murara, Parara, Kumarpura, Sakera, and Baron.
- g. MECL carried out G-4 stage exploration in the Hanspur block (Jhansi), including geological mapping and BRS/SSS/soil sampling; out of 216 bedrock samples, 64 samples recorded tungsten values >200 ppm, ranging from 211 to 633 ppm, indicating anomalous W mineralisation.
- h. In view of the above, the agency proposed the block for G-4 stage exploration to assess tungsten mineralisation in quartz reefs of the BGC, with work components including large-scale geological mapping (1:12500), pitting/trenching, and resource assessment through scout drilling under the UNFC G-4 category.
- i. The Committee reviewed the proposal and advised the agency to extend the block in the south-western direction and revise the area after excluding overlapping portions. The area is revised to be of 90 sq. km.

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- j. The Committee further recommended ~800 m of scout drilling in the mineralised zone, with additional drilling to be undertaken based on the results of the initial 2–3 boreholes.

Sl. No.	Agency	Brief Comments
1.	GSI	State Unit: Uttar Pradesh has no ongoing project, and no project proposal has been proposed for FS: 2026 -2 7 in proposed block area. The part of proposed block area falls within the Exploration License (EL) block for heavy minerals (zirconium). The NIT has been issued and details are available on https://www.mstcecommerce.com/auctionhome/mlcln/mlcl_el_listing.jsp .
2.	MECL	NA
3.	AMD	NA
4.	State DMG/DGM/CGM	No past or ongoing exploration in the proposed area
5.	NMEDT	The proposed block is not overlapping with NMEDT funded block.

Recommendations of TCC-1:

The committee recommended the proposal titled “Reconnaissance Survey (G-4) for Tungsten & Associated Minerals in Chikara Area, District - Jhansi, Uttar Pradesh” for approval of PSC, NMEDT with an estimated cost of Rs. 307.61 lakhs (including GST) within time schedule of 12 months for carrying out the proposed work and submission of report as per Annexure – 3A & 3B. The item will be reviewed after 3, 6 and 9 months.

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Reconnaissance Survey (G-4) for Tungsten & Associated Minerals in Chikara Area, District - Jhansi, Uttar Pradesh							
Total Area - 90.00 sq km; Drilling: 800 m (Scout BH), 10 BH (approx. 80 m depth); Completion Time - 12 Months, Review after: 3, 6 and 9 months							
S.N	Item of Work	Unit	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal (FY 2025-26)		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	
A	GEOLOGICAL WORK						
a	Charges for one Geologist per day at HQ for monitoring, data processing etc.	day	1.2.1a	10,500	35	3,67,500	
b	Large scale mapping on 1:12500 scale	per sq km	1.1	18,300	90	16,47,000	
c	Charges for one Geologist per day at field for bedrock sampling, trenching and logging (1 party)	day	1.2.1a	14,500	70	10,15,000	
d	Labour (2 Nos)	day	5.8	541	140	75,740	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
e	Topographical survey on 1:12500 scale (2m contour interval)	day	1.3.1	10,500	-	-	
f	Labours (4 Nos)	day	5.8	541	-	-	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
g	Charges for one Sampler per day (1 Party) for geochemical, bedrock, trenching and core samples	one sampler per day	1.2.1b	7,850	138	10,83,300	
h	Labours (4 Nos)	day	5.8	541	552	2,98,632	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or

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							respective State Govt. whichever is higher
2	Survey						
b	Bore Hole Fixation and determination of co-ordinates & Reduced Level (RL) of the boreholes and one reference point by DGPS	Per Point of observation	1.3.2	24,000	10	2,40,000	10 Borehole points
	Sub-Total A					47,27,172	
B	MINERAL INVESTIGATION						
1	Pitting & Trenching						
a	Trenching	per cu. m	2.1.1	4125	200	8,25,000	
2	DRILLING (Out sourced)						
a	Drilling -Very hard rock	m	2.2.1.1e	12,650	800	1,01,20,000	05 bhs to be drilled
b	Land / Crop Compensation (in case the BH falls in agricultural Land)	per borehole	5.6	30,000	10	3,00,000	Amount will be reimbursed as per actuals or max. Rs. 30000 per BH with certification from local authorities.
	Construction of concrete pillar	per BH	2.2.7	2,000	10	20,000	
	Bore hole plugging	per BH	2.2.8	10,000	10	1,00,000	
c	Miscellaneous Charges (Transportation of Drill Rig, Accommodation Charges for drilling Camp, Camp Setting, Camp Winding, construction of apporcal road)	per point	2.2.9	lumpsum		NA in case of outsourcing	For Drilling cost more than 1 Crore and less than 2 Crores : 15% of the Drilling Cost with a maximum ceiling of ₹ 20 lakh.
i	Drill Core Preservation	per m	5.3	1,590	400	6,36,000	1 BH plus mineralised zone
	SUB-TOTAL B					1,20,01,000	
C	LABORATORY STUDIES						
1	Chemical Analysis						
I	Primary & Check Samples from Surface outcrop and channel sample (BRS/Soil /Channel Samples)						

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i)	UV-visible spectrophotometer for determination of W and associated elements	per sample	4.1.16a	2,100	300	6,30,000	
ii)	Primary samples						
	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)	per sample	4.1.15	7,400	500	37,00,000	100 BRS+ 200 Trench Samples+ 200 Core samples
	Analysis of additional 8 Trace elements W, Mo, Co, Cu, Pb, Zn, , Nb and K	per sample	4.1.17b	3,368	500	16,84,000	Rs. 421 for each addl elements
iii)	External check samples (10%)						
	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)	per sample	4.1.15	7,400	50	3,70,000	
	Analysis of additional 8 Trace elements W, Mo, Co, Cu, Pb, Zn, , Nb and K	per sample	4.1.17b	3,368	50	1,68,400	
2	Physical & Petrological Studies						
i)	XRD studies for identification of minerals (Random)	Nos.	4.5.2	4,000	10	40,000	
ii)	SEM-EDX Studies (with 6 hours per day target)	per hour	4.4.1a	8,800	10	88,000	
iii)	EPMA studies	per hour	4.4.1	10,500	10	1,05,000	
iv)	Complete Petrographic Studies	Nos.	4.3.4	2,800	10	28,000	
v)	Complete Mineragraphic Studies	Nos.	4.3.4	2,800	10	28,000	
3	Geotechnical Laboratory						
i.	Specific Gravity Determination	No.	4.8.1	2,500	2	5,000	
	Sub-Total -C					68,46,400	
D	Total A to C					2,35,74,572	
	Total Outsourced Component					1,01,20,000	
	Tendering Cost					2,02,400	

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	Reimbursement of cost in case of outsourced components of project work					10,12,000	
E	Geological Report Preparation	5 Hard copies with a soft copy	5.2	For the projects exceeding 150 lakh: A Minimum of ₹7.5 lakh.		7,50,000	
F	Peer review Charges		As per EC decision			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. 5.0 Lakhs whichever is lower		5,00,000	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-NMEDT in its meeting while clearing the proposal.
H	Total Estimated Cost without GST					2,60,68,972	
I	Provision for GST (18% of H)	%				46,92,415	GST will be reimburse as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST					3,07,61,387	
or Say Rs. , In Lakhs:						307.61	
Note - 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.							
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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA 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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TIME SCHEDULE/ACTION PLAN FOR RECONNAISSANCE SURVEY (G-4) FOR TUNGSTEN & ASSOCIATED MINERALS IN CHIKARA BLOCK, DISTRICT - JHANSI, UTTAR PRADESH															Annexure 3B				
Sl. No.	Activities	Unit	MONTHS																
			1	2	3		4	5	6		7	8	9		10	11	12		
1	Camp Setting	day				REVIEW				REVIEW				REVIEW					
2	Geologist Party days in Field (1 Party)	day																	
3	Survey Party days (1 Party)	day																	
4	Core Drilling (2 Rig)	m.																	
5	Sampling Party days, Core Sampling	day																	
6	Camp Winding	day																	
7	Laboratory Studies	Nos.																	
8	Geologist Party days in HQ (1 Party)	day																	
9	Report Writing & Peer review	day																	

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Agenda 92.1.8. Preliminary Exploration (G3) of Limestone in Putnoor Block, Palakurthy Mandal, District-Peddapalli, Telangana
[Implementing Agency: TGMDC]

- a. The proposed block falls within Survey of India Toposheet No. 56N/06 and exposes rocks of the Peninsular Gneissic Complex-II and the Karimnagar Granulite Belt (KGB) of Archaean to Paleoproterozoic age, along with basic intrusive dykes of Paleoproterozoic age.
- b. The sedimentary succession of the Pakhal Supergroup is represented by the Mallampalli and Mulugu Groups of Mesoproterozoic age, along with the Penganga and unclassified Sullavai Groups of Neoproterozoic age, and the Gondwana Supergroup (Upper Carboniferous to Middle Triassic), occurring at a regional scale.
- c. The area is largely soil-covered with scanty outcrops of massive to flaggy and silica-rich limestone of the Putnoor Formation within the Pranhita–Godavari Basin.
- d. The Putnoor area is well recognised for limestone exploration due to its favourable geological setting within the Pakhal Basin of the Pranhita–Godavari Valley, hosting Proterozoic carbonate formations.
- e. In the adjacent Kesoram Cement limestone mining lease, 5 representative samples collected by the agency indicate CaO contents exceeding 45%, confirming the presence of cement-grade limestone comparable to the adjoining producing area.
- f. In view of the above, the agency proposed the block for G-3 stage exploration for limestone, involving detailed geological mapping and systematic grid-pattern drilling to assess the quantity and quality of limestone and to classify resources under the UNFC G-3 category.
- g. The agency collected five limestone samples, which show CaO values ranging from 45% to 47%.
- h. The Committee reviewed the proposal and advised the agency to plot the analytical values of the five samples, maintain an appropriate buffer from existing mining lease areas, expand the proposed area considering ongoing mining activities, and plan boreholes on an 800 m × 800 m grid. The depth of the limestone horizon is expected to be 30–40 m.
- i. The agency incorporated all the suggestions and submitted the revised proposal. The Committee reviewed the same and recommended it for approval by the PSC.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed area falls in the dolomite belonging to Mulugu Group of Pakhal Supergroup as per 1:50000 scale map of GSI. The part of the area also falls in the granite of PGC. The chemical analysis of samples given in the proposal show cement grade CaO content. Since, there are encouraging values of CaO in the proposed block, the area may be taken up for exploration. However, few reconnaissance traverses along with BRS sample collection maybe taken up in the western portion of the proposed block for confirmation of the presence of the cement grade limestone before initiation of drilling.
2.	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.

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3.	AMD	NA
4.	State DMG/DGM/ CGM	NA
5.	NMEDT	The proposed block is not overlapping with NMEDT funded block. NOTE: - ML, CL, EL in and around the proposed block are verified through NGDR portal, The Only Indian Major lease block partial overlap with the proposed area, and its commodities is limestone

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G-3) For Limestone in Putnoor Block, Putnoor village Palakurthy Mandal Peddapalli District, Telangana" for approval of PSC, NMEDT with an estimated cost of Rs. 76.35 lakhs (including GST) within time schedule of 8 months for carrying out the proposed work and submission of report as per Annexure – 4A & 4B. The item will be reviewed after 3 and 6 months.

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Preliminary Exploration (G-3) For Limestone In Putnoor Block, Putnoor village Palakurthy Mandal Peddapalli District, Telangana
Area- 0.78 sq. km, Drilling- 250m (1BH 100 m, 3 BHs of 50 m each) , BH: 4 nos. Timeline- 08 months, Review after: 3 and 6 months

S. NO	Item of Work	Unit	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item- Sl. No.	Rates as per SoC	Quantity	Amount	
a	b	c	d	e	f	g	h
A	Geological work						
1	Geological Mapping (1:4000) with Topographical Survey, Core logging, Sampling & report writing						
	a) Geological Mapping on 1:4000 Sscale	per sq. km.	1.1 b	18300	0.78	14274.00	
	b) Survey work - Surveyor	per day	1.3.1	10,500	25	262500.00	
	c) 4 labours / Party (Rs 541/ day / labour) (As per rates of Central Labour Commissioner)	day	5.8	541	100	54100.00	
	d) Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	per point of observation	1.3.2	24,000	8	192000.00	4 cardinal points + \$ BH
	e) Charges for Geologist party days in field	Per day	1.2.1a (b)	14,500	100	1450000.00	
	f) 2 labours / Party (Rs 541 / day / labour) (As per rates of Central Labour Commissioner)	day	5.7	541	200	108200.00	
	g) Charges for Geologist party days (at H Q)	Per day	1.2.1a (a)	10,500	30	315000.00	
	h) Sample processing work	Sampler per day	1.2.1b	7,850	38	298300.00	
	i) 4 labours / Party (Rs 541/ day / labour) (As per rates of Central Labour Commissioner)	day	5.7	541	152	82232.00	
	Sub total - A					2776606.00	
B	Drilling- Out Sourced						

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1	Surface drilling	Per Mtr	2.2.1.1c	5500	250	1375000.00	
2	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2000	4	8000.00	
3	Borehole plugging by cement	per borehole	2.2.8	10000	4	40000.00	
4	Drill Core Preservation	Per Mtr	5.3	1,590	250	397500.00	
	SUB TOTAL B					1820500.00	
C	Laboratory studies						
	Chemical analysis						
1	a) Primary core Samples -XRF method - Major oxides (WD XRF)- (oxides+ traces - 24 elements)	per sample	4.1.17 a	4200	275	1155000.00	(50 Surface + 225 Core Samples)
	c) External Check Samples Primary core Samples -XRF method - Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per sample	4.1.17 a	4200	28	117600.00	
	Physical analysis					0.00	
2	a) Preparation of thin sections	Nos.	4.3.1	500	5	2500.00	
	b) Petrographic studies with digital photographs	Nos.	4.3.4	2800	5	14000.00	
	c) Bulk density	Nos.	4.8.3	2500	5	12500.00	
	SUB TOTAL C					1301600.00	
	TOTAL (A+B+C)					5898706.00	
D	Total Outsourced Components (Drilling)					1375000.00	
E	Tendering Cost	2% of the approved project cost or 5 Lakh whichever is lower will be paid one time	5.9			27500.00	
F	Technical Supervision cost	10% of the sum of all the outsourced work components with a maximum	6			137500.00	

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		ceiling of ₹ 20 lakh					
	Total(A+B+C+E+F)					6063706.00	
G	Preparation of Exploration proposal	2% of approved project cost or 5 lakh whichever is lower	5.1			121274.12	
H	Geological Report Preparation	Total cost exceeding ₹50 lakh but less than 150 lakh: ₹2.5 lakh	5.2 (ii)	2		250000.00	
I	Peer Review Charges		As per EC Decision			30000.00	
	TOTAL (A+B+C+D+E+F+G)					6464980.12	
J	GST @ 18%					1163696.42	
K	GRAND TOTAL					7628676.54	
L	Rs. In Lakhs					76.35	
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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA 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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Time Schedule/ Action Plan for Preliminary Exploration (G-3) For Limestone In Putnoor Block, Putnoor village Palakurthy Mandal Peddapalli District, Telangana											Annexure 4B			
Sl. No	Activities	Unit	Months								7	8		
			1	2	3	REVIEW	4	5	6	REVIEW				
1	Survey work	Month												
2	Camp Mobilisation	Month												
3	Surface Drilling	Month												
4	Core logging and Sampling Geological party	Month												
5	Laboratory Studies	Month												
6	Geologist Party days(1 party)	Month												
7	Synthesis of data and Geological report Writing	Month												
8	Peer review work	Month												
9	Finalisation of Geological Report & Printing	Month												

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Agenda 92.1.9. Preliminary exploration (G3) for Graphite in Bhagoditola Block, Balarampur District, Chhattisgarh
[Implementing Agency: Bhushilp Mines and Minerals Pvt. Ltd.]

- a. The proposed block falls within Survey of India Toposheet No. 64M/05 and forms part of the Chhotanagpur Gneissic Complex (CGC), an extensive Archaean–Proterozoic high-grade metamorphic terrain characterised by polyphase deformation, migmatization, and diverse metasedimentary and meta-igneous assemblages.
- b. Previous investigations (FS 2013–15 and 2018–19) identified graphite-bearing metasedimentary enclaves (graphite schist) within calc-silicate and amphibolite associations. Subsequent exploration in the adjoining Oranga–Revatipur block (FS 2021–23) established significant graphite potential, with fixed carbon values up to 27.24%, leading to its upgradation from G-3 to G-2 (FS 2022–23) with an estimated resource of 15.20 MT at an average grade of 5.47% fixed carbon, indicating promising potential in the broader Chainpur–Sundarpur region.
- c. Reconnaissance survey (G-4) during FS 2023–24 in the Chainpur–Sundarpur area further confirmed graphite occurrences, identifying discontinuous graphite mica schist bands at Kundpan, Dindo, and Chaurakhar. Accordingly, the agency proposed the block for G-3 stage exploration for graphite, with work components including detailed geological mapping (1:4000 over 12.6 sq. km), ground geophysical surveys, pitting/trenching, and resource assessment through systematic drilling under the UNFC G-3 category.
- d. The Committee was informed that approximately 80% of the proposed area overlaps with the Dindo–Belkurta block of NMEDT, which is under auction, and that the G-4 block has been proposed for auction under the 7th Tranche.
- e. The Committee advised the agency to examine adjacent areas with favourable geological conditions for graphite mineralisation and to consult with DGM to identify and avoid any overlapping areas.

Sl. No.	Agency	Brief Comments
1.	GSI	There is no overlapping with GSI work.
2.	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3.	AMD	AMD has carried out G4 stage reconnaissance exploration for uranium in and around the proposed block in different phases. Samples (n=5) from the area analysed upto 0.032 U ₃ O ₈ and 0.024% ThO ₂ . There is no ongoing exploration / reconnaissance project. In view of known potentiality for uranium in the area, analysis of uranium may be included in the analysis list. Further, intimation regarding drilling of the boreholes, if any during the exploration may be communicated to AMD for gamma ray logging.
4.	State DMG/DGM/CGM	DGM, Chhattisgarh informed that 80% of the proposed area overlaps with the auction block (7 th Tranche)

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5.	NMEDT	The proposed block is overlapping with NMEDT funded block explored by M/s. MMPL Pvt. Ltd.
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Recommendations of TCC-1:

The Committee deferred the proposal, noting that approximately 80% of the proposed area falls within a block (Dindo-Belkurta block) under auction, and advised the agency to identify adjacent promising areas in consultation with the State DGM.

Agenda 92.1.10. Preliminary Exploration (G3) for Iron ore in Bhanu block, Uttar Bastar Kanker District, Chhattisgarh.

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

- a. The proposed block falls within Survey of India Toposheet No. 64H/03 and exposes rocks of the Bailadila Group occurring as enclaves within the granite–gneiss of the Bengpal Group of Archaean age.
- b. The lithological assemblage comprises amphibolites, metapelites (micaceous quartzite, mica schist, quartz mica schist), banded quartzite, BIF (mainly BMQ) with iron ore bands, and metabasics, along with basic and acidic intrusives such as dolerite dykes, quartz, and aplite.
- c. GSI (FS 2008–09) reported BMQ from the area, and subsequent G-4 reconnaissance in the Parwi area, Kanker district, identified BMQ associated with massive specularite–magnetite bands, occurring along NNW–SSE trending finely banded units and associated with quartz–mica schist, micaceous quartzite, and gneisses.
- d. In view of the above, the agency proposed the block for G-3 stage exploration for iron ore mineralisation, with work components including detailed geological mapping (1:4000), pitting/trenching, and resource assessment through systematic drilling under the UNFC G-3 category.
- e. The agency apprised the Committee that five grab bedrock samples were collected from the block area, with analytical values ranging from 29.97% Fe to 65% Fe.
- f. The Committee reviewed the proposal and observed that the block has been delineated using geological maps of different scales (1:50000 and 1:25000), resulting in inconsistencies; the north-western part of the block lacks geological clarity.
- g. The Committee advised the agency to undertake a field visit in the proposed block and collect systematic channel samples from the GSI's G-4 area as well as the extension area in the north-western part. The proposal may be resubmitted after addressing these suggestions.

Sl. No.	Agency	Brief Comments
1.	GSI	No overlapping found in the proposed Block with GSI previous works.
2.	MECL	NA
3.	AMD	AMD has carried out G4 stage reconnaissance exploration for uranium in and around the proposed block in different phases. Samples (n=23) from the area analysed upto 0.020 U ₃ O ₈ and 0.32% ThO ₂ . There is no ongoing exploration / reconnaissance project.

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		In view of known potentiality for uranium in the area, analysis of uranium may be included in the analysis list. Further, intimation regarding drilling of the boreholes, if any during the exploration may be communicated to AMD for gamma ray logging.
4.	State DMG/DGM/CGM	DGM, Chhattisgarh informed during the meeting that there is no overlapping with their explored or ongoing blocks.
5.	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area.

Recommendations of TCC-1:

The Committee deferred the proposal due to inadequate database and justification, and advised the agency to submit a revised proposal in the next TCC meeting. The agency was further instructed to collect systematic channel samples and furnish the analytical data along with the revised proposal.

Agenda 92.1.11. Reconnaissance survey (G4) for Aluminous Laterite and associated minerals, Umroli Block, Ratnagiri District, Maharashtra.

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

- a. The proposed block falls within Survey of India Toposheet No. 47G/07 and is predominantly occupied by basaltic lava flows of the Sahyadri Group of the Deccan Trap Supergroup.
- b. In Toposheet No. 47G/07, the basaltic lava pile attains an overall thickness of ~318 m, with individual flows ranging from 20 to 30 m. A Cenozoic lateritic cover is extensively developed over the basalts, exhibiting an undulating contact and wide areal distribution.
- c. GSI carried out NGCM (FS 2022–23) over ~1320 sq. km in Toposheet Nos. 47G/07 and 47G/08 (1:50,000 scale), identifying potential zones of aluminous laterite with associated REE and critical minerals (V, Ga, TiO₂, Sc, Ba, Ni, Co, Be, Sn). Further investigation was recommended for tin (Sn) over basalts of the Purandargarh and Diveghat Formations, along with noted elevated vanadium (V) values in the Basani area over alluvium and laterite.
- d. In view of the above, the agency proposed the block for G-4 stage exploration for aluminous laterite and associated critical minerals, with work components including large-scale geological mapping (1:12500), pitting/trenching, and resource assessment through systematic grid-pattern drilling under the UNFC G-4 category.
- e. The Committee reviewed the proposal and observed that approximately 60.81 sq. km out of the proposed 127 sq. km area falls within the eco-sensitive zone (Sahyadris), as per DGM, Maharashtra.
- f. The Committee advised the agency to revisit the proposal in consultation with the State DGM and submit a revised proposal.

Sl. No.	Agency	Brief Comments
1.	GSI	GSI is currently executing one M-II (RP) item titled “Regional assessment of Vanadium and associated critical / trace elements in lateritic profiles developed over the Deccan Trap basalts in parts of Ratnagiri and Raigad districts, Maharashtra. (FS: 2024-

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		26)” encompassing the proposed Umroli block of M/s Kartikay Exploration and Mining Services.
2.	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3.	AMD	AMD has not carried out any exploration/ reconnaissance project in the proposed block. there is no ongoing exploration / reconnaissance project.
4.	State DMG/DGM/CGM	DGM, Maharashtra informed that as per the Ministry of Environment, Forest and climate change draft notification dated 31.07.2024, the villages Dhakmoli and Turambao covered in the said area fall under the Eco-Sensitive Area (ESA). About 60.81 sq km area out of the proposed 127 sq km area is falling under the Eco Sensitive Zone.
5.	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area.

Recommendations of TCC-1:

The committee The Committee deferred the proposal, noting that 60.81 sq. km out of the proposed 127 sq. km area falls within the eco-sensitive zone (Sahyadris) as per DGM, Maharashtra, and advised the agency to revisit the proposal in consultation with the State DGM and submit a revised proposal.

Agenda 92.1.12. Preliminary Exploration (G3) of REE -Bearing Minerals in Lakhojan block, Karbi Anglong District, Assam [Implementing Agency: Indian Mine Planner and Consultant]

- a. The proposed block falls within Survey of India Toposheet No. 83F/10 and exposes migmatitic gneisses of the Assam–Meghalaya Gneissic Complex (AMGC), along with phyllites, quartzites, and schists of the Shiltong Group, and Late Proterozoic granitoids.
- b. Geochemical mapping (FS 2014–15) reported anomalous TREE values up to 2775 ppm (Lakhojan) and 925 ppm (Geleki) from stream sediments in Toposheet Nos. 83F/06 and 83F/10. High TREE values (up to ~3643 ppm) were also recorded in pink porphyritic granites of the Panbari–Geleki area, with petrographic studies indicating the presence of REE-bearing minerals such as allanite, titanite, zircon, xenotime, bastnaesite, and monazite.
- c. G-4 stage investigation (FS 2021–22), including auger drilling, identified regolith-hosted REE mineralisation over porphyritic granites, with an estimated resource of ~13.94 million tonnes at an average grade of ~994 ppm TREE (or ~1162.79 ppm TREE₂O₃) in the Lakhojan block (2.80 sq. km).
- d. In view of the above, the agency proposed the block for G-3 stage exploration for REE and associated mineralisation, with work components including detailed mapping, geochemical sampling, ground geophysical surveys, and exploratory drilling to assess resources under the UNFC G-3 category.
- e. The Committee reviewed the proposal. MECL informed that the block falls within the Eco-Sensitive Zone (ESZ) of Kaziranga National Park.
- f. The Committee was further informed by MECL, that as discussed in the meeting chaired by the Secretary, Mines in the month of November, 2023, the Lakhojan block is to be explored by GSI and the adjacent Rangali block by MECL. Accordingly, the Committee

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decided to keep the proposal in abeyance pending clarification from DDG (SU), Assam regarding the status of the Lakhojan block. The agency was also advised to confirm whether the proposed block falls within the Eco-Sensitive Zone (ESZ).

- g. The proposal is kept under abeyance, in view of information received from representatives of MECL.

Sl. No .	Agency	Brief Comments
1 .	GSI	The proposed blocks do not overlap with any ongoing projects. In past G4 work has been carried out.
2 .	MECL	Not received. However, in meeting they informed that the area is given to GSI in pursuance of meeting of Secretary, Mines in the month of November and the project could not be done as the area is near to ESZ of Kaziranga National Park.
3 .	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block and does not have any ongoing projects.
4 .	State DMG/DGM/CGM	Regarding any lease for minor and major minerals, there is no mining lease in the abovementioned areas. Moreover, DGM, Assam has not taken any exploration project in any mineral for the area mentioned above.
5 .	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area.

Recommendations of TCC-1:

The Committee deferred the proposal pending clarification on the exploration status of the Lakhojan Block from DDG (SU), Assam, and confirmation on whether the area falls within the Eco-Sensitive Zone (ESZ) from DGM, Assam.

Agenda 92.1.13. Preliminary Exploration (G3) of REE -Bearing Minerals in Rangali block, Karbi Anglong District, Assam

[Implementing Agency: Indian Mine Planner and Consultant]

- a. The proposed block falls within Survey of India Toposheet No. 83F/10 and exposes migmatitic gneisses of the Assam–Meghalaya Gneissic Complex (AMGC), along with phyllites, quartzites, and schists of the Shiltong Group, and Late Proterozoic granitoids.
- b. Geochemical mapping (FS 2014–15) reported anomalous TREE values up to 2775 ppm (Lakhojan area) and 925 ppm (Geleki area) from stream sediment samples in Toposheet Nos. 83F/06 and 83F/10.
- c. High TREE values averaging ~3643 ppm have been reported from pink porphyritic granites of the Panbari–Geleki area (Kathalguri granitoids) in Toposheet Nos. 83F/06 and 83F/10, with petrographic studies indicating REE-bearing accessory minerals such as allanite, titanite, zircon, xenotime, bastnaesite, and monazite.
- d. G-4 stage investigation (FS 2021–22), including auger drilling, established regolith-hosted REE mineralisation over porphyritic granites, with 150 core samples from 52 boreholes analysed; 61 samples from 18 boreholes recorded Σ REE >500 ppm. Based

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on this, an estimated resource of ~33.90 million tonnes with an average grade of ~818.84 ppm REE has been delineated over ~75 sq. km.

- e. In view of the above, the agency proposed the block for G-3 stage exploration for REE and associated mineralisation, with work components including detailed mapping, geochemical sampling, ground geophysical surveys, and exploratory drilling to assess resources under the UNFC G-3 category.
- f. The Committee observed that the same block had earlier been submitted by MECL in the 62nd TCC meeting pursuant to the meeting of the Secretary, Mines (November 2023). MECL informed that confirmation from the State Government regarding whether the area falls within an Eco-Sensitive Zone (ESZ) is still awaited.
- g. MECL has submitted the DPR for exploration and is awaiting clearance, as a major part of the proposed block falls within the Eco-Sensitive Zone (ESZ).
- h. The committee deferred the proposal in light of information provided by MECL.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any ongoing projects. In past G4 work has been carried out.
2.	MECL	Not received. However, in meeting they informed that the area is given to GSI in pursuance of meeting of Secretary, Mines in the month of November and the project could not be done as the area is in ESZ of Kaziranga National Park. The area was earlier proposed by MECL.
3.	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block and does not have any ongoing projects.
4.	State DMG/DGM/CGM	Regarding any lease for minor and major minerals, there is no mining lease in the abovementioned areas. Moreover, DGM, Assam has not taken any exploration project in any mineral for the area mentioned above.
5.	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area.

Recommendations of TCC-1:

The Committee deferred the proposal, noting that the same area had earlier been proposed by MECL and that confirmation from the State Government regarding whether the area falls within an Eco-Sensitive Zone (ESZ) is still awaited.

Agenda 92.2: Project Evaluation for In-Principle Approval

Agenda 92.2.1. Reconnaissance survey (G4) for Zirconium, Hafnium and REE/RM in Jobani, Amla areas, Chhindwara District, Madhya Pradesh

[Implementing Agency: Enkay Enviro Services Pvt. Ltd.]

- a. The proposed block (Toposheet No. 55K/13) comprises rocks of the Tirodi Gneissic Complex and Sausar Group, including quartzite, marble, and manganiferous gondite horizons.
- b. Geochemical mapping (FS 2018–19) indicated significant REE anomalies (Σ REE up to 2528 ppm) along with elevated U, Th, Rb, Hf, Nb, and Zr values.

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- c. These anomalies are mainly associated with structural contacts and fault zones in the Khadbeli Reserve Forest area.
- d. A ~450 m long pegmatite dyke with allanite mineralisation was identified near Nauthal.
- e. Stream sediment samples recorded high REE values, reaching up to 22,526 ppm.
- f. GSI undertook G-4 stage reconnaissance (FS 2022–23), covering ~20 sq. km out of 100 sq. km due to forest restrictions.
- g. Based on the above, the agency proposed G-4 stage exploration for REE and associated rare metals, involving large-scale mapping (1:12500), geochemical sampling, geophysical surveys, and exploratory drilling under the UNFC G-4 category.
- h. The Committee observed that exploration in the adjacent GSI block could not be completed due to forest-related issues. Considering the promising potential for REE and rare metal mineralisation, the Committee advised the agency to ascertain the status of forest clearance. The comments from DMG, Madhya Pradesh are awaited. The proposal was approved in principle, subject to these comments, and the agency was advised to submit the DPR in the next TCC meeting.

Sl. No.	Agency	Brief Comments
1.	GSI	GSI has not carried out any exploration in the proposed block.
2.	MECL	MECL has not carried out any exploration in the proposed area.
3.	AMD	AMD has not carried out any exploration in the proposed area.
4.	State DMG/DGM/CGM	NA
5.	NMEDT	<p>No overlapping with NMEDT funded blocks.</p> <p><u>The proposed block lies in two districts majorly in Pandhurna and slightly in Chhindwara.</u></p> <p>As per the report of GSI titled “Report on reconnaissance survey for REE and associated mineralisation in and around of Kundaraiyawari, Gulsi, Bhaironpani, Mohpani areas in parts of T.S. 55k/13, of Chhindwara District, Madhya Pradesh”, GSI has carried out G4 stage exploration for REE and copper in the nearby areas.</p> <p>An area of 100 sq.km area was assigned map in 1:12500 scale. Due to constraints regarding forest, the item was kept in abeyance and only an area of 20 sq.km has been mapped in parts of toposheet no. 55K/13 up to October, 2022. It is difficult to make any conclusion and further recommendation based on the incomplete work. As per the received analytical results, the highest total REE value has been observed as 22526 ppm with in stream sediment sample collected from a 1st order stream near Bimal Gondi village and the other encouraging values i.e. 7883 ppm, 3654 ppm were also observed in the stream sediment samples.</p>

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Recommendations of TCC-1:

The Committee approved the proposal in principle, subject to comments from DMG, Madhya Pradesh, and advised the agency to submit the DPR,

Agenda 92.2.2. Reconnaissance Survey (G4) for Vanadium and Associated Critical Minerals in Lateritic Rocks of Malik Mirzapur area, Bidar District, Karnataka

[Implementing Agency: GMMCO]

- a. The proposed block falls within Survey of India Toposheet No. 56G/05 and comprises basaltic flows of the Deccan Trap with widespread laterite cover and intertrappean beds (chert and cherty marl), providing favourable conditions for concentration of critical minerals during lateritisation.
- b. Geochemical mapping identified anomalous V (239–1183 ppm), Co (1–128 ppm), and Sc (25–56 ppm) in laterite zones, with detailed studies further indicating Fe₂O₃ (14.16–59.88%), Al₂O₃ (10.22–26.90%), TiO₂ (0.97–5.78%) and enrichment of V (up to 4280 ppm) and Sc (up to 104 ppm).
- c. Drilling intersected well-developed lateritic profiles over basalt, recording significant enrichment of V, Sc, and ΣREE within ferruginous laterite and saprolite zones.
- d. In view of the above, the agency proposed the block for G-4 stage exploration for critical mineralisation within lateritic profiles, with work components including large-scale geological mapping (1:12500), geochemical sampling, pitting/trenching, and exploratory drilling under the UNFC G-4 category.
- e. The agency further apprised the committee, that they have collected samples from the area and the analysis is pending.
- f. The Committee observed that the proposed block shows potential for critical mineralisation and advised the agency to exclude the basalt-covered area in the western part and extend the block eastward. The agency was also instructed to include analytical results of collected samples in the DPR.
- g. The Committee approved the proposal in principle and advised the agency to submit the DPR in the next TCC meeting.

Sl. No.	Agency	Brief Comments
1.	GSI	The area hosts potentially economic concentrations of Vanadium and Scandium, with concurrent enrichment. Based on the preliminary investigation the author reported clay deposit which appears to be of ceramic grade. Based on the preliminary investigation the author reported clay deposit which appears to be of ceramic grade.
2.	MECL	The proposed area is not overlap with any exploration blocks of MECL
3.	AMD	No ongoing exploration and overlap in the proposed area.
4.	State DMG/DGM/CGM	160 sq miles area explored by DGM-Karnataka during 1971-72 for aluminous laterite. No ML/CL granted for major minerals in the proposed block.
5.	NMEDT	No overlapping with NMEDT funded blocks.

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Recommendations of TCC-1:

The Committee approved the proposal in principle and advised the agency to submit the DPR in the next TCC meeting, incorporating the modified area and analytical results.

Agenda 92.2.3. Reconnaissance Survey (G4) for REE and RM Mineralization in Seetharampuram Bhadradi area, Kothagudem District, Telangana [Implementing Agency: GMMCO]

- a. The proposed block falls within Survey of India Toposheet No. 65C/13 and comprises three litho-tectonic units: The Archaean Bengpal Group of the Bastar Craton, Proterozoic metasedimentary rocks of the Pakhal Supergroup, and Phanerozoic sediments of the Lower Gondwana Group.
- b. Mapping (~350 sq. km at 1:25,000 scale) identified significant enrichment of TREE in feldspathic and younger granites, with values of 3452 ppm and 3387 ppm, respectively, and recommended the area for detailed exploration.
- c. The aeromagnetic spectral map of Block-6 shows pronounced magnetic heterogeneity, with linear highs and lows indicating lithological variations and structural discontinuities within the granitic basement.
- d. The proposed G-4 REE block lies within a moderate to low magnetic intensity domain along magnetic gradient zones, bounded by areas of relatively higher magnetic response.
- e. In view of the above, the agency proposed the block for G-4 stage exploration for REE and rare metal mineralisation within younger granites and pegmatites, with work components including large-scale geological mapping (1:12500), geochemical sampling, pitting/trenching, and exploratory drilling under the UNFC G-4 category.
- f. The agency further informed that fieldwork was carried out using handheld XRF scanning, which indicated elevated REE values in the area.
- g. The Committee observed that the available REE data is sparse and advised the agency to generate additional data through handheld XRF surveys across different parts of the area and to collect and analyse representative samples for REEs.
- h. The Committee advised the agency to integrate available legacy data and prepare an anomaly map for the proposed block, along with plotting sample locations on the geological map.
- i. The Committee opined that the proposal lacks sufficient database and justification, and advised the agency to address the above suggestions and resubmit the proposal for in-principle approval.

Sl. No.	Agency	Brief Comments
1.	GSI	Overlapping with the ongoing RMT projects.
2.	MECL	No previous and ongoing exploration in the proposed area.
3.	AMD	No previous and ongoing exploration in the proposed area.
4.	State DMG/DGM/CGM	No previous and ongoing exploration in the proposed area.
5.	NMEDT	No previous and ongoing exploration in the proposed area.

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Recommendations of TCC-1:

The Committee deferred the proposal, noting that it lacks sufficient database and justification. The agency was advised to address the Committee's suggestions and resubmit the proposal for in-principle approval.

Agenda 92.2.4. Preliminary Exploration (G3) of Limestone at Shantipara Block A, Junagarh, Gujarat

[Implementing Agency: Mining Associates Private Limited]

- a. The proposed block falls within Survey of India Toposheet No. 41K/08 and exposes miliolitic limestone of the Miliolite Series of Pleistocene age.
- b. The miliolitic limestone is locally underlain by the Gaj Formation, comprising argillaceous and partly calcareous clays with gypsum bands, calcareous siltstone and sandstone, and thin limestone bands, with laterites occurring between the Deccan Trap and Gaj Formation as discontinuous patches forming colourful ridges.
- c. Regional investigations by CGM, Gujarat have reported miliolitic limestone with average CaO of 43–45% and SiO₂ of 10–13%, indicating suitability for cement and industrial applications.
- d. Surface exposures and proximity to existing limestone mines in the Shantipura area indicate favourable geological continuity and mineral potential; however, thickness, depth continuity, and grade–thickness relationships remain unestablished due to lack of subsurface data.
- e. In view of the above, the agency proposed the block for G-3 stage exploration for limestone, involving detailed geological mapping (1:4000 scale) and systematic grid-pattern drilling to assess quantity and quality and to classify resources under the UNFC G-3 category.
- f. The Committee reviewed the proposal and advised the agency to plan boreholes in a staggered pattern, maintaining an influence zone of ~200 m from the block boundary.
- g. The Committee further advised the agency to submit a revised proposal with borehole spacing of 800 m × 800 m.

Sl. No.	Agency	Brief Comments
1.	GSI	No previous reconnaissance or exploration work has been carried out in the proposed area.
2.	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3.	AMD	NA
4.	State DMG/DGM/CGM	CGM, Gujarat has already granted NOC to Mining Associates Private Limited to carry out G3 level exploration for limestone under NMEDT vide email dated 29 th January, 2026.
5.	NMEDT	No previous and ongoing exploration in the proposed area.

Recommendations of TCC-1:

The Committee approved the proposal in principle and advised the agency to modify the proposal as per the Committee's suggestions and submit the DPR in the next TCC-I meeting.

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Agenda 92.2.5. Preliminary Exploration (G3) of Limestone at Shantipara Block B, Junagarh, Gujarat
[Implementing Agency: Mining Associates Private Limited]

- a. The proposed block falls within Survey of India Toposheet No. 41K/08 and exposes miliolitic limestone of the Miliolite Series of Pleistocene age.
- b. The miliolitic limestone is locally underlain by the Gaj Formation, comprising argillaceous and partly calcareous clays with gypsum bands, calcareous siltstone and sandstone, and thin limestone bands, with laterites occurring between the Deccan Trap and Gaj Formation as discontinuous patches forming colourful ridges.
- c. Regional investigations by CGM, Gujarat have reported miliolitic limestone with average CaO of 43–45% and SiO₂ of 10–13%, indicating suitability for cement and industrial applications.
- d. Surface exposures and proximity to existing limestone mines in the Shantipura area indicate favourable geological continuity and mineral potential; however, thickness, depth continuity, and grade–thickness relationships remain unestablished due to lack of subsurface data.
- e. In view of the above, the agency proposed the block for G-3 stage exploration for limestone, involving detailed geological mapping (1:4000 scale) and systematic grid-pattern drilling to assess quantity and quality and to classify resources under the UNFC G-3 category.
- f. The Committee reviewed the proposal and advised the agency to plan boreholes in a staggered pattern, maintaining an influence zone of approximately 200 m from the block boundary.
- g. The Committee observed that the proposed area is too small and advised the agency to increase the area in consultation with CGM, Gujarat and finalise the proposal.
- h. The Committee advised the agency to submit a revised proposal with boreholes planned at 800 m × 800 m spacing, comprising 4–5 boreholes.

Sl. No.	Agency	Brief Comments
1.	GSI	No previous reconnaissance or exploration work has been carried out in the proposed area.
2.	MECL	The proposed block is not overlapping with MECL explored block and ongoing blocks.
3.	AMD	NA
4.	State DMG/DGM/CGM	CGM, Gujarat has already granted NOC to Mining Associates Private Limited to carry out G3 level exploration for limestone under NMEDT vide email dated 29 th January, 2026.
5.	NMEDT	No previous and ongoing exploration in the proposed area.

Recommendations of TCC-1:

The Committee approved the proposal in principle and advised the agency to modify the proposal as per the Committee's suggestions and submit the DPR in the next TCC-I meeting.

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Agenda 92.2.6. Reconnaissance Survey (G4) for Gold in Kunchia area, Purulia District, West Bengal.

[Implementing Agency: Geovale Services Pvt. Ltd.]

- a. The proposed block falls within Survey of India Toposheet Nos. 73J/05 and 73J/09 and exposes rocks of the Paleoproterozoic Singhbhum Group (quartzite, hornblende schist, mica schist) and Dalma Volcanics (quartzite, phyllite, talc–chlorite schist).
- b. The volcano-sedimentary litho-package present in the area is considered favourable for gold mineralisation.
- c. GSI reported Au values up to 0.16 ppm in metabasalts south of Balidiha, with Dalma Group metabasalts in the region showing enrichment of Cr, Ni, Co ± Cu ± Ag ± Au. Notably, high Cu values (up to 14.5%) and Co up to 131 ppm have been recorded in metabasalts, including malachite-stained zones near Kumardih.
- d. In view of the above, the agency proposed the block for G-4 stage exploration for gold mineralisation, with the objective of assessing resources under the UNFC G-4 category.
- e. The Committee observed that the proposed block overlaps with multiple GSI blocks, with lack of clarity from GSI-ER regarding overlapping areas and intervening gaps. It was further noted that approximately 65% of the area has already been covered or approved for execution.
- f. The Committee advised that clarity be obtained from GSI regarding overlapping areas, along with submission of shape files/KML files of explored and approved projects.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed area overlapping with the multiple G4 and G3 blocks of already explored and approved blocks of GSI.
2.	MECL	No overlap with the explored and ongoing exploration areas.
3.	AMD	AMD has carried out G4-G3 stage(s) of exploration in and around the proposed block. Samples from the area have analysed U ₃ O ₈ upto 0.17%. The proposed block overlaps with the already explored block of AMD. There are no ongoing exploration projects.
4.	State DMG/DGM/CGM	Preliminary exploration for gold was carried out in 1995-96 and few threshold values of Gold were obtained. There is no CL/ML for major minerals granted in the proposed block.
5.	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area.

Recommendations of TCC-1:

The Committee deferred the proposal, noting that the proposed area overlaps with multiple GSI blocks, and advised the agency to verify and resolve the overlapping areas.

Agenda 92.2.7. Reconnaissance Survey (G4) for Gold and REE in Boro area, Purulia District, West Bengal.

[Implementing Agency: Geovale Services Pvt. Ltd.]

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- a. The proposed block falls within Survey of India Toposheet No. 73J/09 and exposes rocks of the Paleoproterozoic Singhbhum Group (quartzite, hornblende schist, mica schist) and the Chhotanagpur Gneissic Complex, separated by major shear zones such as the South Purulia Shear Zone.
- b. GSI reported anomalous REE values up to 1806 ppm (Σ LREE 1652 ppm; Σ HREE 154 ppm) near Dandudih, along with Au values up to 0.23 ppm near Sirisgora. Additional REE enrichment has been recorded in syenite (up to 416 ppm) and carbonatite (up to 197 ppm) occurrences in the area.
- c. In view of the above, the agency proposed the block for G-4 stage exploration for gold and REE mineralisation, with the objective of assessing resources under the UNFC G-4 category.
- d. The Committee observed that the proposed block overlaps with multiple GSI blocks, with lack of clarity from GSI-ER regarding overlapping areas and intervening gaps. It was further noted that approximately 65% of the area has already been covered or approved for execution.
- e. The Committee advised that clarity be obtained from GSI regarding overlapping areas, along with submission of shape files/KML files of explored and approved projects.
- f. Part of the area overlap with the NMEDT approved block.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed area overlapping with the multiple G4 and G3 blocks of already explored and approved blocks of GSI. Currently no ongoing items on exploration/reconnaissance projects related to Gold & REE and any other mineral/commodity are there in the proposed area. However, the proposed block shows 66% overlap with GSI's ongoing item in M-II RP of FS 2025-27 and GSI's already approved Shusina and Tamakhun G3 blocks (FS 2026-27) for investigations of Nb and Au-Cu respectively
2.	MECL	NA.
3.	AMD	Overlapping with the GSI's explored block. Also the approved project for FS: 2026-27 falls inside the proposed G-4 block. Samples from the area have analysed uranium grade morethan the threshold values. There is no ongoing exploration projects Proposed block overlaps with the already explored block of AMD at various stages (G4/G3)
4.	State DMG/DGM/CGM	The northern boundary of the area may be reduced and confined upto Chandanpur. One Quartz mining lease and two blackstone mining leases both located in the western side are falling within the proposed area.
5.	NMEDT	The area partially overlaps with NMEDT funded block.

Recommendations of TCC-1:

The Committee deferred the proposal, noting that the proposed area overlaps with multiple GSI blocks, and advised the agency to verify and resolve the overlapping areas.

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**Agenda 92.2.8. Preliminary Exploration (G3) of Lithium and Associated Minerals
Exploration Near Choteela Block, Rajasthan
[Implementing Agency: Eartnenviro Lab Pvt. Ltd.]**

- a. The proposed block falls within Survey of India Toposheet No. 45D/13 and exposes rocks of the South Delhi Fold Belt.
- b. It was informed that by State DGM that the proposed block falls within FSI–Aravalli, with a major part of the area located within the Jawai Dam and Jawai Leopard Sanctuary.
- c. The Committee advised the agency to consult the State DGM, obtain the database related to FSI–Aravalli, the dam, and the sanctuary, analyse the data, and revisit the proposal.

Sl. No.	Agency	Brief Comments
1.	GSI	Overlapping with the GSI’s explored G4 block.
2.	MECL	No overlap with the explored and ongoing exploration areas.
3.	AMD	NA
4.	State DMG/DGM/CGM	No previous and ongoing exploration in the proposed area. <i>This area falls under Aravali status as well as 68.94 sq. km. area of this proposal area falls in forest, this area comes under 10 kilometres buffer zone of Jawai Leopard Sanctuary and part of this proposal area also comes under Dam and its reservoir area.</i>
5.	NMEDT	There are no NMEDT funded blocks overlapping in the proposed area.

Recommendations of TCC-1:

The Committee deferred the proposal, noting that the proposed block falls within FSI–Aravalli and that a major part of the area lies within the Jawai Dam and Jawai Leopard Sanctuary.

Agenda 92.3: Review of Ongoing Exploration Project & Timeline Extension

**Agenda 92.3.1. Preliminary Exploration (G3) for REE and associated critical minerals in the NB 2 block (2 sq. km.) in the northern part of the Siwana Ring Complex, Balotra District, Rajasthan
[Implementing Agency: MTCS]**

- a. The agency sought Drone survey for topography to acquire the data cost and time effectively. Agency.
- b. The committee discussed the issue and agreed upon inclusion of Drone Survey in place of DGPS survey and the cost modified accordingly.

Recommendations of TCC-1:

The project is recommended to PSC, NMEDT for revision of cost from Rs. 627.34 lakh to Rs. 627.50 lakh with a change in amount of Rs. 0.16 lakh (~0.03 % escalation) as per Annexure 5.

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Revised Cost Sheet of Preliminary Exploration (G3) for REE and associated Critical Minerals in the NB 2 block (2 sq. km.) in the northern part of the Siwana Ring Complex, Balotra district, Rajasthan. Block area- 2.0 sq. km; Nos. of Boreholes-24 Nos.; Borehole depth range: 125m each ; Total Drilling: 3000 m; Schedule timeline- 12 months (Phase 1 to be completed in 4 months and Phase 2 be completed in 8 months). Review after: 3rd, 6th and 9th months									Annexure-5
S. No.	Job Description	Unit	Rates will be as per revised NMEDT SoC (2025-26)		Estimated Cost of the Project		Revised Cost of the Project		Remarks
			SoC-Item - SI	Rates as per SoC (2025-26)	Qty.	Total Amount (Rs)	Revised Qty.	Total Amount (Rs)	
Phase I									
A	Geo Physical Survey (Phase 1) (Reinterpretation of existing ground and airborne database, characterize the GP signals with the rock types and host lithology by overlay analysis)								
i	Geophysicist: at HQ	Mandays	1.2.1a	10500	30	315000	30	315000	
	Sub Total A					315000		315000	
B	Geological Mapping (DM) (1:2000) with contouring (1st Phase)								
i	Detailed Mapping (1:2000 scale) with contouring	per sq. km.	1.1	18300	2	36600	2	36600	
	Sub Total B					36600		36600	
C	Pitting/Trenching								
i	Trenching	per cu m	2.1.1	4125	50	206250	50	206250	
	BRS and Trench Samples (Channel Samples: 100 samples)				100		100		Quantification of surface samples (To be collected in 1st phase)
	Sub Total C					206250		206250	
D	Other Charges related to Phase I work								
i	Geologist: In field	Mandays	1.2.1a	14500	90	1305000	90	1305000	

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ii	Geologist: at HQ	Mandays	1.2.1a	10500	30	315000	30	315000	
iii	Labour charges (for sample collection, packaging, carrying, 2 Nos)	Mandays	5.8	541	180	97380	180	97380	As per Labour Commission
iv	Charges for one sampler per day (for sample preparation)	Mandays	1.2.1b	7850	55	431750	55	431750	
v	Labour charges (4 Nos for sample preparation)	Mandays	5.8	541	220	119020	220	119020	As per Labour Commission
vi	Surveyor (for mapping & contouring)	Mandays	1.3.1	10500	30	315000	20	210000	Survey at 2m contour interval, Scale 1:2000
vii	Labour charges (4 labours)	Mandays	5.8	541	120	64920	80	43280	
viii	Drone Topographic Survey	per sq. km.	7b	70000	2	140000	
ix	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work)	Per point of Observation	1.3.2	24000	28	672000	28	672000	
Sub Total D						3320070		3333430	
E	Drilling (1st Phase)								
i	Drilling (Hard rock) (HQ size)	per m	2.2.1.1d	10000	800	8000000	800	8000000	5 BH (125 to 150 m depth each/may vary) Grid to be prepared on 200*400 m for 2 sq. km area. 1st phase BH (5 Nos.) to be planned from this grid and these 5 BH (of

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									1st phase) to be distributed uniformly to represent the whole area. 250 samples to be collected from 5 BH (50 samples per BH)
ii	Land Compensation	Per Borehole	5.6	30000	5	150000	5	150000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole
iii	Concrete Pillar Construction	Per Borehole	2.2.7	2000	5	10000	5	10000	
iv	Borehole Plugging by cement	Lumpsum per borehole	2.2.8	10000	5	50000	5	50000	
Sub Total E						8210000		8210000	
F	Laboratory Studies								
i	HR-ICP MS (REE & Trace)	Per sample	4.1.16f	7400	350	2590000	350	2590000	(250 Core samples + 100 Surface samples)
ii	HR-ICP MS (REE & Trace) 10% check samples	Per sample	4.1.16f	7400	35	259000	35	259000	
iii	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per sample	4.1.17a	4200	50	210000	50	210000	

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iv	Major oxides (WD XRF)- (oxides+ traces -24 elements) 10% check samples	Per sample	4.1.17a	4200	5	21000	5	21000	
v	XRD analysis for identification of minerals (Random)	Per sample	4.5.2	4000	10	40000	10	40000	
Physical & Petrological Studies									
vi	Preparation of polished thin section of rock	Per sample	4.3.2	800	10	8000	10	8000	
vii	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)	Per sample	4.3.4	2800	10	28000	10	28000	
viii	EPMA	Per hour	4.4.1	10500	10	105000	10	105000	
Sub Total F						3261000		3261000	
Total A+B+C+D+E+F						15348920		15362280	
Phase II									
G	GP Investigation (2nd Phase) (Before Drilling)								
i	Magnetic Survey (10-30 line km)	Per station	3.2a (i)	1800	250	450000	250	450000	5 Lkm. 2.5 Lkm per sq.km of area with a line spacing of 200 m. Station interval is 20 m. 25 station per profile line. 25*5= 125 stations per sq. km. Total 250 stations
Sub Total G						450000		450000	

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H	Geological Work (Mainly Core Logging)								
i	Geologist: In field (For Core Logging)	Mandays	1.2.1a	14500	90	1305000	90	1305000	
ii	Labour charges (for sample collection, packaging, carrying, 2 Nos)	Mandays	5.8	541	180	97380	180	97380	As per Labour Commission
ii	Geologist: at HQ	Mandays	1.2.1a	10500	30	315000	30	315000	
iii	Charges for one sampler per day (for sample preparation)	Mandays	1.2.1b	7850	138	1083300	138	1083300	
iv	Labour charges (4 Nos for sample preparation)	Mandays	5.8	541	552	298632	552	298632	
	Sub Total H					3099312		3099312	
I	Drilling (II nd Phase)								In-house drilling subject to accreditation by QCI-NABET
i	Drilling (Hard rock) (HQ size)	per m	2.2.1.1d	10000	2200	22000000	2200	22000000	Approx 19 BH (as per 200*400 m grid)
ii	Land Compensation	Per Borehole	5.6	30000	19	570000	19	570000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole
iii	Concrete Pillar Construction	Per Borehole	2.2.7	2000	19	38000	19	38000	
iv	Borehole Plugging	Lumpsum per borehole	2.2.8	10000	19	190000	19	190000	
	Sub Total I					22798000		22798000	

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	Total Drilling cost of Phase I + Phase II					3000000		3000000	Total cost of 3000 m drilling of both phase
J	Miscellaneous Charges related to Drilling (Phase I + Phase II)								
i	Drill Rig Transportation - To & Fro	lumpsum	2.2.9 (4)	For Drilling cost more than 2 Crore : 10% of the Drilling Cost with a maximum ceiling of ₹ 25 lakh.	2500000	For Drilling cost more than 2 Crore : 10% of the Drilling Cost with a maximum ceiling of ₹ 25 lakh.	2500000	2500000	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation)
ii	Drilling Camp Setting Cost								
iii	Drilling Camp Winding Cost								
iv	Monthly Accomodation Charges								
v	Approach Road to Drill site								
vi	Drill Core Preservation (1500 m core to be preserved; 1 complete BH and remaining from mineralised zones)								
	Sub Total J				2500000		2500000		
K	Laboratory Studies								
i	HR-ICP MS (REE & Trace)	Per sample	4.1.16f	7400	1000	7400000	1000	7400000	(1000 Core samples, 50 samples from each BH)
ii	HR-ICP MS (REE & Trace) 10% check samples	Per sample	4.1.16f	7400	100	740000	100	740000	
	Physical & Petrological Studies								
iii	Preparation of polished thin section of rock	Per sample	4.3.2	800	10	8000	10	8000	
iv	Complete petrographic /ore microscopic study /mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Per sample	4.3.4	2800	10	28000	10	28000	

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v	Specific Gravity	Per sample	4.8.1	2500	5	12500	5	12500	
	Sub Total K					8188500		8188500	
	Total A+B+C+D+E+F+G+H+I+J+ K					52384732		52398092	
	Total outsourced component (if any)					0		0	
	Total Cost					52384732		52398092	
L	Geological Report Preparation		5.2 (iii)	Total cost of the project exceeding ₹150 lakh		750000		750000	As per SoC
M	Peer Review by External Expert		As per EC decisio n	30000		30000		30000	
N	Project Cost without GST					53164732		53178092	
O	GST - 18%					9569652		9572057	
P	Total Project Cost(With GST)					62734384		62750149	
	Rs. In Lacs					627.34		627.50	
	Change in cost in lakhs							0.16	(~0.03% escalation)
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 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA 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 92.3.2. Reconnaissance Survey (G4) for Glauconite and associated mineralization in Dhamni-Piparwasi Simliya area, Sheopur district, Madhya Pradesh
[Implementing Agency: MMPL Pvt. Ltd.]

- a. MMPL Pvt. Ltd. informed that the project was approved in the 36th EC Meeting held on 29th July, 2024. The Sanction Order was issued on 21st August, 2024 with timeline of 12 months (up to 20.08.2025) and approved cost was INR 1,06,22,030/-. The revised cost of Rs. 85,48,621.91/- was approved during 1st PSC meeting.
- b. Timeline extension upto 28.02.2026 was approved during 5th meeting of PSC of NMEDT.
- c. The agency informed that the GR has been peer reviewed and all the comments and suggestions of peer reviewer has been duly complied with.
- d. The comments and their compliance by agency was discussed. The agency informed that resource estimation carried out using 2% K₂O cut-off, estimating 15.27 Million Metric Tonnes (Mt) of resources in 334 UNFC Category.
- e. The committee reviewed the work and agreed for submission of GR.
- f. The agency sought timeline extension upto 15.03.2026 for submission of GR.

Recommendations of TCC-1:

The committee recommended timeline extension of 15 days, upto 15.03.2026 for approval of PSC, NMEDT. Timeline extension is recommended for submission of GR.

Agenda 92.3.3. Reconnaissance Survey (G4) for Graphite in and around Dumburuneli area, Rayagada District, Odisha
[Implementing Agency: MMPL Pvt. Ltd.]

- a. MMPL Pvt. Ltd. informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 10 months (up to 09.12.2025) and approved cost was INR 1,37,69,756/-.
- b. Timeline extension upto 31.03.2026 was approved during 5th meeting of PSC of NMEDT.
- c. The agency informed that all the assigned quantum of work, except drilling and associated analysis, has been completed.
- d. The agency informed that the drilling work was delayed due to active crop season. All four graphite-bearing zones within the proposed block were under cotton cultivation. The active cultivation period for cotton is from July to January end. During this period, local farmers/tribes did not permit the agency to undertake drilling activities.
- e. However, they allowed drilling work by the end of cultivation season.
- f. The agency further informed that drilling of last borehole is undergoing.
- g. The agency sought timeline extension for completion of drilling and associated quantum of targets including chemical analysis, report writing, peer review of report and submission of GR.
- h. The committee reviewed the progress of work and agreed for timeline extension.

Recommendations of TCC-1:

The committee recommended timeline extension of 2 months, upto 31.05.2026 for approval of PSC, NMEDT. Timeline extension is recommended for submission of GR.

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Agenda 92.3.4. General Exploration (G2) for Molybdenum in Vellakkal Central Block, Uttangarai Sector, Harur-Uttangarai Belt, District- Krishnagiri, Tamil Nadu

[Implementing Agency: MECL]

- a. MECL informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The Sanction Order was issued on 12th December, 2024 with timeline of 15 months (up to 11.03.2026) and approved cost was INR 11,21,17,537/-.
- b. The agency informed that Geological Mapping (1.1 sq.km) on 1:2000 scale is completed and drilling of 31 Boreholes out of assigned target of 35 Borehole has been completed. Drilling meterage of 5096 m, out of assigned target of 6200 m, has been completed.
- c. It was further informed that a total of 820 nos. of core samples has been generated from 5096 m of drill core and analysis of samples is under progress.
- d. MECL also informed that out of remaining 4 BHs, 1 no. of third level BH will be taken up after receipt of chemical analysis. Also, Forest Clearance for 3 nos. of remaining BH is awaited.
- e. The agency sought timeline extension of six months for completing drilling, sample analysis and geological report preparation.
- f. The committee reviewed the progress and agreed for timeline extension.

Recommendations of TCC-1:

The committee recommended timeline extension of 6.5 months, upto 30.09.2026 for approval of PSC, NMEDT. Timeline extension is recommended for completion of remaining work and submission of GR.

Agenda 92.3.5. Preliminary Exploration (G3) for Molybdenum in Vellakkal North Block (2.90 sq.km) & Vellakkal South Block (1.55 Sq.km), Uttangarai Sector, Harur- Uttangarai Belt, Dist- Krishnagiri, Tamil Nadu.

[Implementing Agency: MECL]

- a. MECL informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The Sanction Order was issued on 12th December, 2024 with timeline of 15 months (up to 11.03.2026) and approved cost was INR 4,15,32,062/-.
- b. The project was reviewed in 87th meeting of TCC-I, wherein the agency had apprised the committee the exploration activities (Phase-I) i.e., Detailed Geological Mapping (1:4000 scale), Geochemical Sampling and Surface geophysical survey was completed. A total of 47 surface bedrock/channel samples were analysed for Mo, Sn, W, Ag, and Bi. Of these, 11 samples recorded Mo values exceeding 20 ppm. Similarly, 11 out of the 47 samples also showed W values greater than 100 ppm.
- c. Based on the ground geophysical survey and surface samples analytical results, TCC agreed for 23 no. BH in North block (2490m) and 13 nos. BH in South block (1510m) totalling to drilling meterage 4000m.
- d. The agency presented the progress of work since 87th meeting and apprised the committee that drilling is under progress and a total 12 nos. of borehole in North block has been completed with total drilling of 1032m.
- e. It was further informed that 13 nos. of boreholes of South block comes under forest and FC is awaited.

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- f. The agency sought timeline extension of nine months for completing drilling, sample analysis and geological report preparation.
- g. The committee reviewed the progress and agreed for timeline extension.

Recommendations of TCC-1:

The committee recommended timeline extension of 9.5 months, upto 31.12.2026 for approval of PSC, NMEDT. Timeline extension is recommended for completion of remaining work and submission of GR.

Agenda 92.3.6. Preliminary Exploration (G3) for Bauxite, Vanadium, Gallium and associated minerals around Patgaon and Somlewadi villages (Patgaon Block), Sindhudurg District, Maharashtra

[Implementing Agency: Geo Marine 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 during 89th meeting of TCC-I, wherein the agency had requested for pre-closure of project owing to strong local agitation. The agency apprised that the work has been stopped since 28.11.2025.
- c. During 89th meeting, the committee had reserved its decision on pre-closure and suggested the agency to submit all communications made in this regard to NMEDT.
- d. Accordingly, the agency had submitted all the relevant correspondence to NMEDT secretariat and again requested for pre-closure of project.
- e. Representative from DGM, Maharashtra present in the meeting stated that they have written letter to Secretary, Mining Ministry, Maharashtra for resolving the issue. He also stated to hold the decision of pre-closure, till the reply from Secretary is received.
- f. The committee instructed **DGM, Maharashtra to submit the correspondences made in this regard to NMEDT Secretariat.**
- g. The Committee kept its decision on pre-closure in abeyance in light of the comments received from DGM, Maharashtra.

Recommendations of TCC-1:

The Committee kept its decision on pre-closure in abeyance in light of the comments received from DGM, Maharashtra.

Agenda 92.3.7. Preliminary Exploration (G3) for Bauxite, Vanadium, Gallium and associated minerals around Pendhri village (Pendhri Block), Sindhudurg District, Maharashtra

[Implementing Agency: Geo Marine 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 during 89th meeting of TCC-I, wherein the agency had requested for pre-closure of project owing to strong local agitation. The agency apprised that the work has been stopped since 28.11.2025.
- c. During 89th meeting, the committee had reserved its decision on pre-closure and suggested the agency to submit all communications made in this regard to NMEDT.

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- d. Accordingly, the agency had submitted all the relevant correspondence to NMEDT secretariat and again requested for pre-closure of project.
- e. Representative from DGM, Maharashtra present in the meeting stated that they have written letter to Secretary, Mining Ministry, Maharashtra for resolving the issue. He also stated to hold the decision of pre-closure, till the reply from Secretary is received.
- f. The committee instructed **DGM, Maharashtra to submit the correspondences made in this regard to NMEDT Secretariat.**
- g. The Committee kept its decision, on pre-closure, in abeyance in light of the comments received from DGM, Maharashtra.

Recommendations of TCC-1:

The Committee kept its decision on pre-closure in abeyance in light of the comments received from DGM, Maharashtra.

**Agenda 92.3.8. Preliminary Exploration (G3) for Gold and Associated Minerals in Sirigeri Block, Ballari District, Karnataka
[Implementing Agency: DGM Karnataka]**

- a. The committee was informed that the project was approved in the 32nd EC Meeting held on 6th December, 2023. The Sanction Order was issued on 15th December, 2023 with timeline of 12 months (up to 14.12.2024) and approved cost was INR 3,45,18,638/-.
- b. The timeline was extended upto 14.6.2025, 14.12.2025 in 39th and 43rd EC meeting respectively. Timeline extension was further extended upto 28.02.2026 during 4th meeting of PSC.
- c. The agency informed that the GR has been peer reviewed and all the comments and suggestions of peer reviewer has been duly complied with.
- d. The agency also informed that due to paucity of data, larger area was covered and requested for cost revision.
- e. The comments and their compliance by agency was discussed.
- f. The committee reviewed the work and agreed for submission of GR.
- g. The agency sought timeline extension upto 31.03.2026 for submission of GR. The agency was instructed to present cost revision in upcoming TCC for discussion.

Recommendations of TCC-1:

The committee recommended timeline extension of 1 month, upto 31.03.2026 for approval of PSC, NMEDT. Timeline extension is recommended for submission of GR.

**Agenda 92.3.9. Reconnaissance Survey (G4 stage) for Iron Ore in Arewada – Hitapadi Block (27 sq km), District: Gadchiroli, Maharashtra
[Implementing Agency: Gemcokati Exploration Pvt. Ltd.]**

- a. The project was initially recommended in the 67th meeting of TCC-I and subsequently placed before the 37th meeting of the Executive Committee (EC) for approval. During the deliberations, DGM, Maharashtra informed the EC that, out of the total proposed area of 69 km² by M/s Gemcokati Exploration Pvt. Ltd., 42 km² was sub judice, and exploration could be undertaken in the remaining 27 km². Accordingly, the EC approved the project, subject to obtaining clarification from DG, DGM, Maharashtra regarding the undisputed area, as well as examination of the cost for the reduced area by TCC.
- b. The project was thereafter discussed in the 70th meeting of TCC-I, wherein DGM, Maharashtra informed that only 27 km² of the proposed block could be considered for

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exploration. Accordingly, TCC-I revised the project area and cost and recommended the same for approval of the EC. The EC, in its 38th meeting held on 29th November 2024, approved the project at a cost of 16,57,688/- for a duration of 6 months. The minutes of the 38th EC meeting was circulated on 4th December, 2024. Subsequently, the Office Memorandum/Sanction Order was issued by NMEDT vide F. No. 23/529/2024-NMET/757 dated 06th January 2025.

- c. The agency informed that, following approval of the project, they commenced exploration activities in December 2024, prior to the issuance of the formal sanction order, with the intent of completing the project within the stipulated timeframe.
- d. Upon completion of the project, the bills were submitted to GSI, SU: Pune, Maharashtra for verification. The Office of the Dy. Director General, GSI, SU: Pune, Maharashtra observed that the agency had initiated the work prior to the issuance of the Sanction Order (F. No. 23/529/2024-NMET/757 dated 06th January 2025). Further, the said office informed NMEDT (vide email dated 11.11.2025) that approval of NMEDT for initiation of the work prior to the sanction order, may be provided to enable verification of the bills.
- e. The matter was deliberated in the meeting, and it was observed that the agency had established the field camp in November 2024 and initiated the work in December 2024, subsequent to approval of the project in the 38th EC meeting (held on 29.11.2024 and with minutes circulated on 04.12.2024), in order to complete the work within the stipulated timeline. While expressing dissatisfaction over the premature initiation of work prior to issuance of the formal sanction order, TCC recommended that a one-time relaxation may be granted in this case. It was further emphasized that **such deviations shall not be entertained in future.**

Recommendations of TCC-1:

The committee recommended that the early initiation of the project, from the date of approval of the minutes (i.e., 04.12.2024), may be considered by the Project Sanctioning Committee as a one-time relaxation, so that the bills/invoices generated during period 4th December, 2024 to 5th January, 2025 may be verified by GSI, SU: Pune.

**Agenda 92.3.10. Karnapodikonda, Tehsil- Narayanpatna, District- Koraput, Odisha
[Implementing Agency: OMC]**

- a. The project is of 2018-19, however, sanction order was issued on 07.03.2024 with a timeline of 10 months (upto 06.01.2025). The project was approved for a cost of Rs. 1,82,42,000/-.
- b. The agency has submitted its GR on 21.11.2024. The agency had some issues regarding clearance of bills submitted to NMEDT.
- c. However, the agency could not adequately clarify the issues before TCC and failed to present its case with sufficient clarity.
- d. After multiple deliberations, as the agency was unable to clearly articulate the issues, TCC advised the agency to resubmit the matter before TCC with all necessary clarifications.
- e. The TCC also apprised the agency that any component or bills beyond the scope of the SoC of NMEDT, or not previously approved, would not be considered for payment.

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Recommendations of TCC-1:

The committee deferred the review as agency was unable to clearly articulate the issues related to payment of bills.

Agenda 92.3.11. Preliminary exploration Survey (G3) for Iron ore in Gidhali-Chiklakasa block, Balod district, Chhattisgarh

[Implementing Agency: Bhushilp Mines and Minerals 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 1,96,09,403/-.
- b. The agency apprised the committee that during the 89th meeting of TCC-I, it was recommended to undertake trenching as part of the proposed exploration. Subsequent field observations indicate that the northern flank of the hill is devoid of surface outcrops or exposures suitable for sample collection.
- c. To establish the continuity of the ore-bearing band in this portion and to correlate it effectively with the mapped exposures on the southern side, trenching is considered essential.
- d. In compliance with the recommendations of TCC-I, the agency sought permission to excavate five trenches, each measuring 25.0 m x 1.0 m x1.0 m, aggregating to a total excavation volume of 125 cubic meters.
- e. The committee reviewed the progress and suggested the agency to follow international standard colour code for representing lithology.
- f. The agency also approved 125 cubic meter of trenching and instructed that cost revision for inclusion of trenching will be done at the time of GR review.

Recommendations of TCC-1:

The committee approved 125 cu. m. of trenching to excavate 5 trenches each measuring 25.0 m x 1.0 m x1.0 m.

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List of participants who attended the 92nd Meeting of Technical-cum-cost Committee (TCC-I) of NMEDT held on 10th and 11th March, 2026 through video conferencing mode

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