

Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 37th meeting of Technical-cum-Cost Committee - II (TCC - II)
held on 22nd and 23rd September, 2026

The 37th meeting of Technical-cum-Cost Committee-II (TCC-II) of National Mineral Exploration and Development Trust (NMEDT) was convened through video conferencing on 22nd and 23rd September, 2026. The meeting was Dr. S. Ravi, DDG & HOD, GSITI, and Chairman, TCC-II, NMEDT.

Members of TCC-II, NMEDT and representatives from M/s Unisedmaw Research Consultants Private Limited, Mineral Exploration and Consultancy Limited (MECL), M/s Siddharth Geo Consultant, M/s BMRC Geomining Solutions Pvt Ltd, M/s MMPL Private Limited, M/s Bhushilp Mines and Minerals Pvt Ltd, M/s Eartnenviro Lab Private Limited, M/s Ocean Drilling and Exploration Private Limited M/s My World Consultancy Services Private Limited etc., have attended the meeting through video conferencing mode. The list of participants is at **Annexure-1**.

Dr. S. Ravi, DDG & HOD, GSITI, and Chairman, TCC-II, NMEDT warmly welcomed all TCC-II members and every participant representing from State DGMs/DMGs, Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs).

37.1 Technical Evaluation of New Project Proposals

Agenda 37.1.1 Reconnaissance survey (G4) for Aluminous Laterite, Bauxite and associated Critical Minerals in Guhagar area, Ratnagiri District, Maharashtra

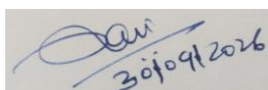
ID: ME/IND/G4/MH/P/26-27/024

Area: 44 sq. km

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

- a) The proposed area of 44 sq. km for reconnaissance survey falls in Survey of India Toposheets no. 47G/02, 47G/03, 47G/06, in parts Ratnagiri District, Maharashtra.
- b) The table containing the comments is given below:

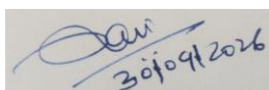
S.N.	Agency	Comment
1	GSI	GSI carried out regional assessment of Vanadium and associated critical / trace element in lateritic profiles developed over the Deccan Trap basalts in parts of Ratnagiri and Raigad districts, Maharashtra. (FS: 2024-25 & 2025-26). No ongoing projects in the proposed area.
2	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	Not available
5	NMEDT	No NMEDT funded blocks present in and around the proposed area as per NGDR Portal.



- c) This project was approved in-principle in 34th TCC-II.
- d) The agency informed the committee the proposed Guhagar block in Ratnagiri District lies within the Konkan Bauxite Belt. The block was predominantly covered by lateritic plateaus developed over Deccan Trap basalts; Previous GSI investigations, particularly during 1970–71, identified bauxite occurrences in the adjoining Male-Malewadi Chikalgaon, Anjarle and Uthanbar areas. These occurrences include Grade II–III bauxite, with reported Al_2O_3 values exceeding 48% in parts of the Anjarle–Uthanbar deposits. Preliminary BRS analysis (5 samples) by agency showed Al_2O_3 of 26.68–48.50 wt.%, SiO_2 of 1.61–6.69 wt.%, V of 0.08–0.12 wt.% (approximately 800–1,200 ppm) and Sc of 19–46 mg/kg.
- e) The committee based on the above observations recommended for the 10 scout boreholes with 150 m drilling quantum. The plan of boreholes is shown in Annexure 2C. However, the drilling quantum, along with the corresponding sampling and chemical analysis, may be revised during the first review based on the results of geological mapping and sampling.

Recommendations of TCC-II

The committee recommended the proposal for approval of PSC for “Reconnaissance survey (G4) for Aluminous Laterite, Bauxite and associated Critical Minerals in Guhagar area, Ratnagiri District, Maharashtra”, with an estimated cost of ₹ 71.40/- lakhs (including GST) within time schedule of 10 months for carrying out the proposed work and submission of geological report as per Annexure 2A & 2B. The project will be reviewed after 3 months and 6 months.



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Annexure 2A

**Estimated Cost for Reconnaissance Survey (G4) for Aluminous Laterite, Bauxite and Associated Critical Minerals in Guhagar area,
Ratnagiri District, Maharashtra;
Area- 44 sq. km, Drilling: 150 m; BHs:10, Borehole depth- 15 m; Schedule timeline- 10 months Review: After 3 and 6 Months**

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Geological Mapping Other Geological Work & Surveying						
	Geological mapping, (1:12500 scale) & Trenching, drilling work	Sq. Km	1.1	18,300	44	8,05,200	
i	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work (2 Nos)	day	1.2.1a	14,500	50	7,25,000	
ii	b. Labours Charges; Base rate (2 labours/geologist)	day		556	100	55,600	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iii	c. Charges for Geologist per day (HQ)	day	1.2.1a	10,500	30	3,15,000	
iv	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	19	1,49,150	
v	e. Labours (4 Nos)	day		556	76	42,256	

	Sub Total- A					20,92,206	
C	Survey work						
a	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	10	240000	10 BHs
	Sub-Total C					2,40,000	
D	Trenching/Pitting						
	a) Excavation of Pits	per cu.m	2.1.2	4,725	240	1134000	Excavation of Pit up to 2.0 m depth with back filling
E	DRILLING (after review)						
i	Drilling (Outsourced)	m	2.1.1c	5,500	150	825000	10 BH; Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	10	3,00,000	
ii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	10	20,000	
iv	Borehole plugging by cement	per borehole	2.2.8	10000	10	1,00,000	
v	Drill Core Preservation	per m	5.3	1,590	75	1,19,250	
	Sub Total E					13,64,250	
G	LABORATORY STUDIES						
1	Chemical Analysis						
i	Major oxides (WD XRF)- (oxides+ traces - 24 elements)	per sample	4.1.17a	4,200	150	6,30,000	

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ii	Major oxides (WD XRF)- (oxides+ traces - 24 elements)(10 % check)	per sample	4.1.17a	4,200	15	63,000	
2	Physical & Petrological Studies						
i	Preparation of thin section	Nos	4.3.2	800	10	8,000	
ii	Study of thin section	Nos	4.3.4	2,800	10	28,000	
						7,29,000	
	Total A to G					55,59,456	
	Outsourced Component cost					8,25,000	
	Tendering Process Cost		5.9	One time in case of outsourced component(s) of project work	2% of the approved project cost or 5 Lakh whichever is lower will be paid one time	16500	
	Technical supervision cost		6	10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh.		82500	

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	Total Cost					56,58,456	
I	Geological Report Preparation	soft copy	5.2	5.2 (ii)	Total cost exceeding ₹50 lakh but less than 150 lakh: ₹2.5 lakh	2,50,000	
J	Peer review Charges		As per EC decision			30,000	
K	Preparation of Exploration Proposal	a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		1,13,169	EA will be reimbursed after submission of the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.
	Total Estimated Cost without GST					6051625	
	Provision for GST (18%)					1089292	GST will be reimbursed as per actual and as per notified prescribed rate
	Total Estimated Cost with GST					7140917	
				or Say Rs. In Lakhs		71.40	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

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Annexure 2B

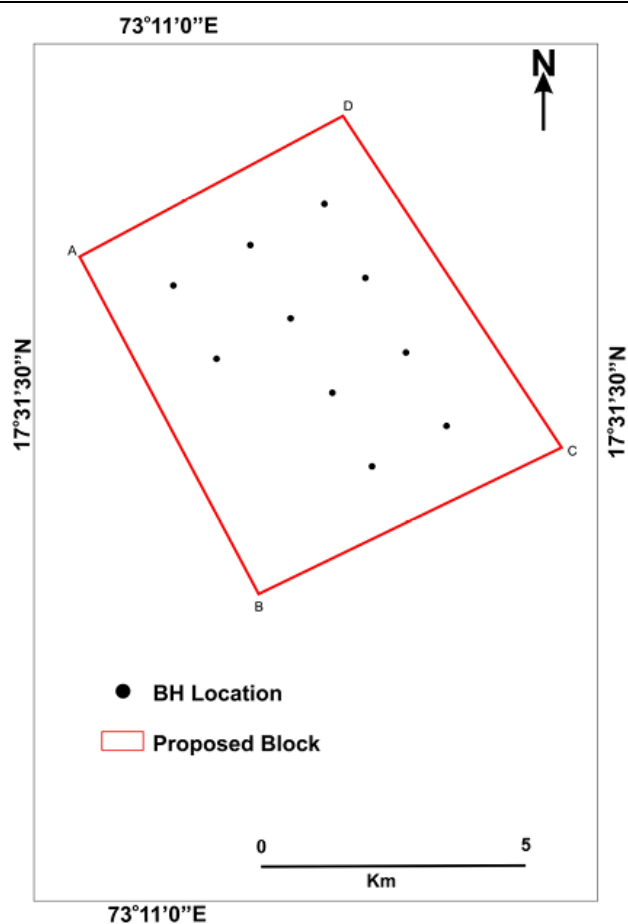
Timeline for Reconnaissance Survey (G4) for Aluminous Laterite, Bauxite and Associated Critical Minerals in Guhagar area, Ratnagiri District, Maharashtra

S. No.	Activities		1	2	3		4	5	6		7	8	9	10
1	Camp Setting	Months				Review				Review				
2	Geological Mapping & Sampling	Months												
3	Pitting/Trenching	Months												
4	Surface Drilling (1 rigs)	Months												
5	Survey Party days	Months												
6	Geologist Man days	Months												
7	Sampler Man days	Months												
8	Camp Winding	Months												
9	Laboratory Studies	Months												
10	Report Writing with Peer Review	Months												

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Tentative Scout borehole plan for Reconnaissance Survey (G4) for Aluminous Laterite, Bauxite and Associated Critical Minerals in Guhagar area, Ratnagiri District, Maharashtra



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Agenda 37.1.2 Reconnaissance Survey (G4) for Nickel, Gold and associated critical minerals in Jharbandh-Pagarpani-Bandhamunda area, Bargarh district, Odisha.

ID: ME/IND/G4/OD/P/26-27/028

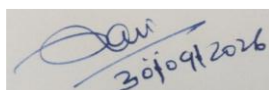
Area: 100 sq. km

[Implementing Agency: M/s My World Consultancy Services Private Limited]

- a) The proposed area of 100 sq. km for reconnaissance survey (G4), falls in survey of India Toposheet no. 64K/12 & 64K/16, in parts of Bargarh district, Odisha.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed block is overlapping with G4 stage exploration blocks of GSI for kimberlite and diamond. The mafic-ultramafic suite of rocks found in the area are suitable for Gold, Ni and PGE mineralization. In the systematic geological mapping report of GSI during FS: 1993-94 (Nanda, J.K., Rath, S.C. & Behera, S.N.), it was recommended to take investigation items on gold. No Composite License or Mining Lease, either for major or minor minerals, exists within the proposed block.
2	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	The proposed area has been partially covered during F.S 1974-76 through geological mapping on 1:2000 scale. The proposed area is covered by Granite gneiss with intrusives and Sandstone quartzite. Again the proposed area has been partially covered during F.S 1969-70 through geological mapping on 1:63,360 scale. The proposed area is covered by Granite gneiss with intrusives and Quartzite. However, on examination of the group plan, it is observed that the area overlaps with the Beltukri-Kurlapali_kimberlite block in Nuapada & Baragarh district explored by Geological Survey of India under F.S. 2023-24.
5	NMEDT	No NMEDT funded block present in and around the proposed area as per NGDR Portal.

- c) This project was accorded in-principle in 34th TCC-II meeting. The agency informed that the proposal is supported by the presence of mafic ultramafic and alkaline rocks, including peridotite, pyroxenite, gabbro, microgranites and granophyre dykes. GSI investigations (FS 1993-94) reported Ni values up to 0.1%, Cr >1,000 ppm and Pt/Pd up to 24/19 ppb in pyroxenite peridotite bodies, along with Au values up to 200 ppb in meta-basalts, indicating potential for Ni-Cr-PGE and Au mineralisation. Greenstone sequences comprising chlorite schist, quartzite, BIF and metabasic volcanics also

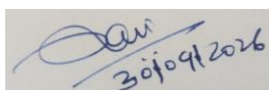


provide favourable hosts for gold and sulphide mineralisation, while alkaline rocks may have potential for REE. The agency referenced the Bhalukona–Jamnidi block (Ni–Cu PGE sulphide) under composite license by M/s Deccan Gold Mines Ltd. (DGML) which is situated about 27 km NE of the proposed block in the craton-margin mafic–ultramafic corridor.

- d) The committee based on the above observations recommended for the 4 scout boreholes with 400 m drilling quantum. The plan of boreholes is shown in Annexure 3C. However, the drilling quantum, along with the corresponding sampling and chemical analysis, may be revised during the first review based on the results of geological mapping and sampling.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “Reconnaissance Survey (G4) for Nickel, Gold and associated critical minerals in Jharbandh-Pagarpani-Bandhamunda area, Bargarh district, Odisha.” with an estimated cost of ₹ 131.06/- lakhs (including GST) within time schedule of 10 months for carrying out the proposed work and submission of geological report as per Annexure 3A & 3B. The project will be reviewed after 4 months and 8 months.



Annexure 3A

Estimated cost for Reconnaissance Survey (G4) for Nickel, Gold and associated critical minerals in Jharbandh-Pagarpani-Bandhamunda area, Bargarh district, Odisha, Area: 100 sq. km, Drilling: 400 m (BH: 4), Time period: 10 months; Review: 4 and 8 Months

Sl. No.	Item of Work	Unit	Rates as per Revised SoC dated 15-12-2025		Estimated Cost of the Proposal		Remarks
			SoC Item No.	Rates as per SoC (Rs) (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Geological Mapping & Other Geological Work						
1.1	Large scale (LSM) Geological Mapping / Traverse mapping						
a.	Detailed Mapping in Peninsular India: Large scale Geological mapping on 1:12,500	sq. km	1.1	18,300	100	18,30,000	
1.2	Other Geological Work / Activities						
a.	Geological Field days (charges for one Geologist per day in field, without labour)	per day	1.2.1a	14,500	60	8,70,000	
b.	Other Geological work (HQ) (charges for one Geologist per day at HQ)	per day	1.2.1a	10,500	30	3,15,000	
c.	Sample processing work (marking, core splitting, crushing & powdering, coning & quartering, packing & labelling of samples etc.)	per day	1.2.1b	7,850	38	2,98,300	
d.	Labours Charges; Base rate	per day	5.8	556	120	66,720	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
e.	Labours Charges for sampler	per day	5.8	556	152	84,512	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.

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	Sub Total - A					34,64,532	
C	Survey Work						
a.	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (use of CORS Network system compulsory)	Per Point of observation	1.3.2	24,000	4	96,000	
	Sub Total - C					96,000	
D	Mineral Investigation						
2.1	Trenching / Pitting						
a.	Excavation of Trenches up to 2.0 m depth with back filling	per cu. m	2.1.1	4,125	40	1,65,000	
b.	Excavation of Pit up to 2.0 m depth with back filling	per cu. m	2.1.2	4,725	40	1,89,000	
2.2	Drilling						
a.	Drilling in Hard rock / Strata: HQ size borehole up to 400 m depth	per m	2.2.1.1d	10,000	400	40,00,000	Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
b.	Land / Crop Compensation (in case the BH falls in agricultural land)	per BH	5.6	30,000	4	1,20,000	As per actual with maximum of Rs 30,000 per borehole
c.	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	4	8,000	
d.	Borehole plugging by cement	per borehole	2.2.8	10,000	4	40,000	
e.	Drill Core Preservation	per m	5.3	1,590	100	1,59,000	
f.	Miscellaneous Charges (Transportation of Drilling Rig, accommodation for Drilling Camp, Camp Setting and winding, construction of approach road etc.)	Lumpsum	2.2.9	10,00,000	1	10,00,000	
	Sub Total - D					56,81,000	
E	Laboratory Studies						
4.1	Chemical Analysis						

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a.	Rapid geochemical analysis by AAS method - First five radicals	per sample	4.1.8a	2,506	240	6,01,440	
b.	Estimation of major oxides by XRF technique (WD XRF) - oxides + traces, 24 elements	per sample	4.1.17a	4,200	20	84,000	
c.	Analysis for precious metals by fire assay technique - Gold	per sample	4.1.5a	3,500	20	70,000	
d.	PGE (ICP-MS Ni-S Fire assay technique)	per sample	4.1.6	13,600	20	2,72,000	
e.	Rapid geochemical analysis by AAS method - First five radicals (External Check)	per sample	4.1.8a	2,506	24	60,144	External check samples (10%)
f.	Estimation of major oxides by XRF technique (WD XRF) (External Check)	per sample	4.1.17a	4,200	2	8,400	External check samples (10%)
g.	Fire assay - Gold & Ag (External Check)	per sample	4.1.5a	3,500	2	7,000	External check samples (10%)
h.	PGE (ICP-MS Ni-S Fire assay technique) (External Check)	per sample	4.1.6	13,600	2	27,200	External check samples (10%)
4.3	Petrological Studies						
a.	Preparation of standard thin section of rock	per sample	4.3.1	500	20	10,000	
b.	Preparation of polished thin section of rock / wafer	per sample	4.3.2	800	20	16,000	
c.	Complete petrographic / ore microscopic study / mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	per sample	4.3.4	2,800	40	1,12,000	
4.4	EPMA / SEM Lab						
a.	EPMA studies	per hour	4.4.1	10,500	10	1,05,000	
	Sub Total - E					13,73,184	
	Total A to E					1,06,14,716	
F	Miscellaneous Charges						
a.	Preparation of Exploration Proposal	% of Total A to E	5.1	2%		2,12,294	
b.	Geological Report Preparation	Lumpsum	5.2	2,50,000	1	2,50,000	
c.	Peer review Charges	Fixed		30,000	1	30,000	

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G	Total Estimated Cost without GST					1,11,07,010	
H	Provision for GST (18% of G)			18%		19,99,262	GST will be reimbursed as per actual and as per notified prescribed rate
I	Total Estimated Cost with GST					1,31,06,272	
	or Say Rs. in Lakhs					131.06	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

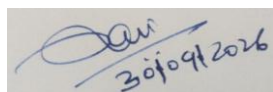
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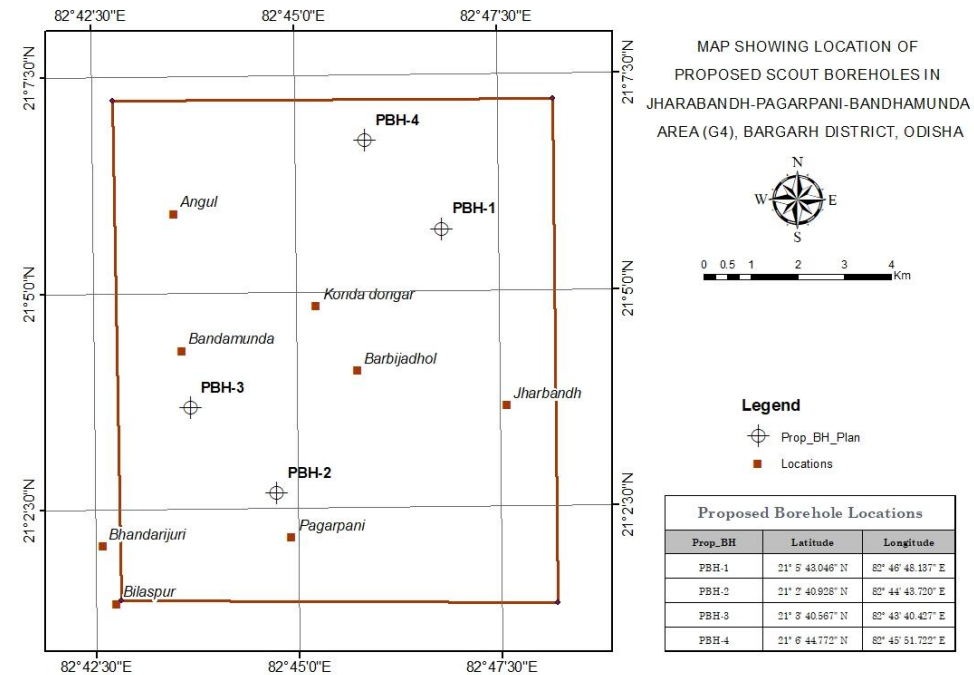
Annexure 3B

**Timeline for Reconnaissance Survey (G4) for Nickel, Gold and associated critical minerals in Jharbandh-Pagarpani-Bandhamunda area,
Bargarh district, Odisha**

SL NO.	Item of work	1	2	3	4		5	6	7	8		9	10
1	Camp setting					REVIEW					REVIEW		
	Geological Mapping (1:12,500)												
2	Geochemical Sampling (SSS/ SGCS/ BRS/RS)												
3	Excavation of Pit & Sample collection												
4	Scout Drilling, Collection of core samples & DGPS Survey for BH fixation												
5	Laboratory Studies												
6	PS, OM & EPMA studies												
7	Interpretation of analytical data, Finalization of maps, plates, logs etc.												
8	Review and Preparation of the Report												
9	Peer Review and Final Submission of the report												

Tentative Scout borehole plan for Reconnaissance Survey (G4) for Nickel, Gold and associated critical minerals in Jharbandh-Pagarpani-Bandhamunda area, Bargarh district, Odisha



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Agenda 37.1.3 Reconnaissance Survey (G4) For REE and associated minerals in Mawriyap-Sarucha Area, West Karbi Anglong Districts, Assam.

ID: ME/DD/G4/AS/MECL/26-27/020

Area: 107.86 sq. Km.

[Implementing Agency: MECL]

- a) The proposed area of 107.86 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet no. 83C/10 in West Karbi Anglong Districts, Assam.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed 107.86 sq. km Mawriyap–Sarucha area, West Karbi Anglong, Assam has favourable baseline evidence for REE and associated mineralisation, based on previous GSI geological, geochemical, petrological and mineralogical investigations. The area comprises the Assam–Meghalaya Gneissic Complex, Shillong Group metasediments and granitoids, providing a favourable geological setting for REE exploration. GSI geochemical investigations in Toposheet 83C/09 recorded Zr up to 3482 ppm, TREE up to 1504 ppm, while seven stream-sediment samples returned TREE values of 518.37–1005.90 ppm. Specialized Thematic Mapping around Baithalangso–Donka Mokam identified REE-bearing minerals including sphene, monazite, zircon, apatite and allanite. Seven granite bedrock samples recorded TREE of 656.61–2054.12 ppm, with clear LREE enrichment, while gneiss samples recorded 139–1685 ppm TREE. Further, GSI's G4 investigation at Chelear–Rongpham during FS 2023–24 identified significant REE enrichment in weathered profiles, with ΣREE reaching 1108.62 ppm in bedrock, 1121.28 ppm in petrochemical samples, 1817.29 ppm in C-horizon and 1427.73 ppm in B/C-horizon samples. Two prospective REE zones, MZ-I and MZ-II, were delineated. Overall, the available evidence—REE-enriched granites and gneisses, presence of REE-bearing accessory minerals, anomalous stream-sediment/soil geochemistry and significant REE enrichment in weathered regolith—provides encouraging baseline justification for taking up systematic G4 exploration in the proposed block. GSI, SU: Assam has currently not taken any exploration work for REE ore or any other commodity in the proposed area.

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2	AMD	AMD has carried out reconnaissance exploration (G4 stage) for uranium in and around the proposed block. No significant surface radioactive zone was delineated. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	DGM	There is no mining lease or any exploration work done by DGM, Assam in Mawriyap-Sarucha area, West Karbi Anglong district.
4	NMEDT	Proposed block does not overlap with NMEDT funded projects as per NGDR.

- c) The agency informed the committee that the proposed Mawriyap–Sarucha block lies on the eastern fringe of the Shillong Plateau and is predominantly underlain by migmatites of the Assam–Meghalaya Gneissic Complex, intruded by younger granites and pegmatites. The National Geochemical Mapping (NGCM) data provide significant REE anomalies within the block. Of the 30 stream-sediment samples, $\Sigma\text{REE}+\text{Sc}+\text{Y}$ ranges from 257.44 to 2,872.91 ppm; 22 samples exceed 500 ppm and 8 exceed 1,000 ppm. The anomalies occur in the northwestern, central and southwestern parts of the block. GSI's 2018 interim report for Toposheet 83C/10 also reported ΣREE values of 55–3,621 ppm, with heavy-mineral studies identifying monazite and apatite as dominant REE-bearing phases. The agency referenced the Chelear–Rongpham G-4 investigation (FS 2023–24), located approximately 24 km north of the proposed block. Three prospective zones were delineated, with MZ-I recording ΣREE of 259.50–1,817.29 ppm (average 788.52 ppm) and MZ-II 78.05–1,274.33 ppm (average 687.33 ppm). The agency's adjoining Langmipi–Laching Thing G-4 work recorded maximum $\Sigma\text{REE}+\text{Sc}+\text{Y}$ values of 1,619.06 ppm in BRS, 1,384.95 ppm in soil and 1,120.06 ppm in stream sediment.
- d) The committee based on the above observations recommended for the 5 scout boreholes with 500 m drilling quantum. The plan of boreholes is shown in Annexure 4C. However, the drilling quantum, along with the corresponding sampling and chemical analysis, may be revised during the first review based on the results of geological mapping and sampling.

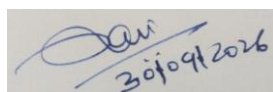
Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for "Reconnaissance Survey (G4) For REE and associated minerals in Mawriyap-Sarucha Area, West Karbi Anglong Districts, Assam.", with an estimated cost of ₹ 230.36/- lakhs (including GST) within time schedule of 15 months for carrying out the proposed work and submission of geological report as per Annexure 4A & 4B. The project will be reviewed after 6 months and 10 months.

Annexure 4A

Estimated cost for Reconnaissance survey (G-4) for REE and Associated Minerals in Mawriyap-Sarucha Area, District- West Karbi Anglong, Assam, Area- 107.86 sq. km; Completion Time- 15 Months, Scout Drilling: 500m, BH: 5, Review: after 06 months & 10 months

Sl. No.	Item of Work	Unit	Rates as per NMET SoC 2025-26		Rates as per SoC in NER X 1.5	Estimated Cost of the Proposal		Remarks
			SoC- Item-S. No.	Rates as per SoC		Qty.	Total Amount (Rs)	
A	GEOLOGICAL MAPPING							
i	Large Scale Mapping (1:12,500)	per sq. km	1.1	18,300	27,450	107.86	29,60,757	Geological mapping
B	OTHER GEOLOGICAL WORK/ ACTIVITIES							
i	Charges for one Geologist- Field	per day	1.2.1a (b)	14,500	21,750	60	13,05,000	
ii	Charges for one Geologist - HQ	per day	1.2.1a (a)	10,500		45	4,72,500	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	120	1,00,080	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Sampling -1 Samplers (Labour charge not included)	per day	1.2.1b	7,850	11,775	46	5,41,650	

v	4 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	184	1,53,456	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub-Total A						55,33,443	
B	PITTING & TRENCHING							
	Orientation Pitting	per cu. m.	2.1.2	4,725	7,088	20	1,41,750	
	Sub-Total B						1,41,750	
C	EXPLORATORY DRILLING (OUTSOURCE)							
i	Core Drilling in hard rock	per m	2.2.1.1d	10,000	15,000	500	75,00,000	Drilling quantum is tentative and will be decided after Geological mapping and sampling results during review. Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Technical Supervision cost	One time	6	10% of the sum of all the outsourced work components with a maximum ceiling of 20 lakh.			7,50,000	

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iii	Tendering Processing cost	One time	5.9	2% of the approved project cost or Rs. 5 Lakhs which is lower			1,50,000	
v	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	3,000	5	15,000	
vi	Borehole Plugging	Lumpsum per borehole	2.2.8	10,000	15,000	5	75,000	
vii	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	36,000	5	1,80,000	
viii	Core preservation	Per m	5.3	1,590	1,590	125	1,98,750	
	Sub Total- C						₹ 88,68,750.00	
D	LABORATORY STUDIES							
1	Heavy Mineral Separation							
i	Separation of heavy minerals from stream sediment samples of - 2mm size through gravity and magnetic separation	Per sample	4.3.6b	13,820		50	6,91,000	Stream sediments samples
ii	Heavy mineral separation by liquid	Per sample	4.3.6a	2,890		50	1,44,500	
2	Chemical Analysis							

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i	Analysis of 14 REE & 9 trace element by ICP-MS sequential technique	per sample	4.1.15	7,400		300	22,20,000	50 Bedrock+50 Stream Bulk+80 Heavy fraction of Streams +20 Bulk Pit Sample+ 100 BH Core Sample (based on positive results quantum may change)
	Additional 2 trace element by ICP-MS sequential technique	per sample	4.1.15a	421		300	2,52,600	
ii	External (10%) Check samples from NABL Lab of 14 REE & 9 trace element by ICP-MS sequential technique	per sample	4.1.15	7,400		30	2,22,000	
iii	Major Oxides (WD XRF) (oxides + traces-24 elements)	per sample	4.1.17a	4,200		20	84,000	
	Major Oxides (WD XRF) (oxides + traces-24 elements) check sample(10%)	per sample	4.1.17a	4,200		2	8,400	
2	Physical & Petrological Studies							
ii	XRD analysis for identification of mineral phase	per sample	4.5.2	4,000		20	80,000	
iii	Preparation of thin section for Petrography	per sample	4.3.2	800		20	16,000	

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iv	Complete petrographic study report	per sample	4.3.4	2,800		20	56,000	
v	Preparation of polished thin section for EPMA	per sample	4.3.2	800		5	4,000	
vii	EPMA studies	Hrs	4.4.1	10,500		5	52,500	
	Sub-Total D						38,31,000.00	
	Total (A TO D)						1,83,74,943.00	
E	Geological Report Preparation	Nos	5.2iii			1	7,50,000	
F	Preparation of Exploration Proposal	Nos	5.1			1	3,67,498.86	
G	Report Peer Review Charges	lumpsum	As per EC decision	30000		1	30,000	
H	Total Estimated Cost without GST						1,95,22,442.00	
I	Provision for GST (18%)						35,14,040	GST will be reimbursed as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST						2,30,36,482	
						Say, in Lakhs	230.36	
Note:								
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.							
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.							

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

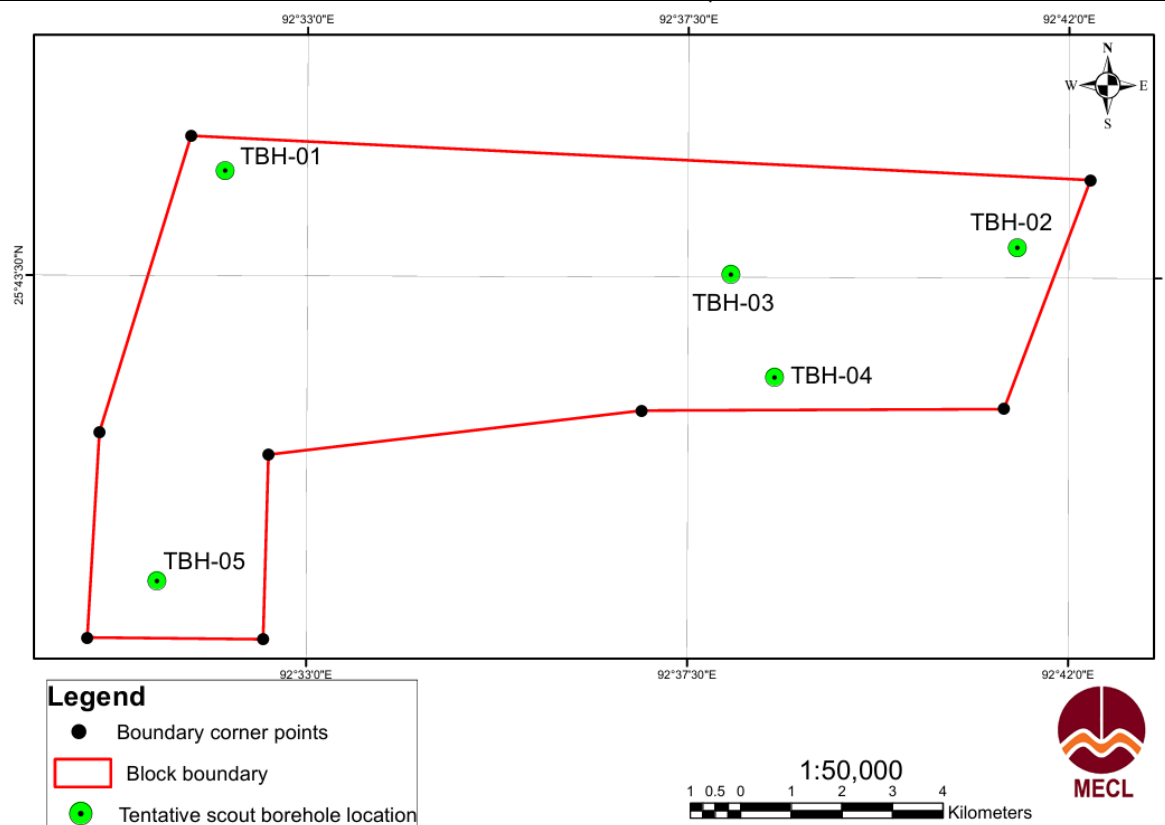
Annexure 4B																		
Timeline for Reconnaissance survey (G4) for REE and associated Minerals in Mawriyap-Sarucha Area, District- West Karbi Anglong, Assam																		
S. No.	Particulars	1	2	3	4	5	6	Review	7	8	9	10	Review	11	12	13	14	15
1	Camp Setting																	
2	Geological Mapping & sampling																	
3	Pitting																	
4	Drilling																	
5	Geologist days																	
5	Sampling days																	
6	Camp winding																	
8	Laboratory Studies																	
9	Geologist days, HQ																	
10	Report Writing with Peer Review																	

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Annexure 4C

Tentative Scout borehole plan for Reconnaissance survey (G4) for REE and Associated Minerals in Mawriyap-Sarucha Area, District- West Karbi Anglong, Assam



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Agenda 37.1.4 Preliminary Exploration (G3) for REE and associated minerals in Mawthong Shngimawlein Block, South West Khasi Hills District, Meghalaya.

ID:ME/DD/G3/ML/MECL/26-27/023

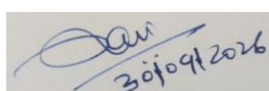
Area 8.56 sq. km.

[Implementing Agency: MECL]

- a) The proposed block of 8.56 sq. km. for preliminary exploration, falls in Survey of India Toposheet no. 78O/7, falls in parts of South West Khasi Hills District, Meghalaya.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	There are no ongoing exploration/reconnaissance projects related to commodities mentioned in the proposal and any other mineral/commodity in the proposed area by GSI.
2	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	DGM	The Directorate of Mineral Resources, Meghalaya, has not undertaken any reconnaissance or detailed exploration activities for REE group not containing Uranium and Thorium at Mawthong-Shngimawlein block, South West Khasi Hills District, Meghalaya. At present, no reconnaissance or detailed exploration projects targeting REE group not containing Uranium and Thorium are being carried out by this Directorate in the proposed area at Mawthong-Shngimawlein block, South West Khasi Hills District, Meghalaya. As per available records, no Composite License (CL) or Mining Lease (ML) has been granted for Major or Minor Minerals in the proposed block located within Mawthong Shngimawlein block, South West Khasi Hills District, Meghalaya.
4	NMEDT	Proposed block shows overlapping with Exploration blocks FS 2023-24, (Reconnaissance survey of REE, Li and associated mineralisation in central parts of South Khasi Batholith near Pariong, Sohma areas in South West Khasi Hills district, Meghalaya), as per NGDR. Proposed block in NGDR portal does not show any Auctionable blocks. Proposed block does not overlap with NMEDT funded projects as per NGDR.

- c) The agency informed the committee that the proposed block lies on the South-Central part of the Shillong Plateau within the Assam–Meghalaya Gneissic Complex. The study

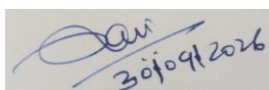


area is regionally located west of Barapani Tyrsad Shear zone and bounded by Dauki fault in the south. The agency referenced the GSI's G4 investigation carried out during F.S. 2023–24 titled "Reconnaissance Survey of REE, Li and associated mineralization near Pariong, Sohma area in West Khasi Hills District, Meghalaya". The GSI G-4 exploration in the Pariong–Sohma area delineated four primary and three secondary REE mineralized zones. The proposed block falls within MZ-1 (primary bedrock-hosted mineralization) and MZ-5 (secondary regolith-hosted mineralization). The geochemical results were encouraging: bedrock, petrochemical and trench samples recorded $\Sigma\text{REE}+\text{Sc}+\text{Y}$ values up to 3,592 ppm, 2,346 ppm and 2,499 ppm, respectively. The agency further informed the committee that the mineralogical studies identified monazite, allanite, zircon, apatite, sphene and fluor-britholite. In addition, fluorine values reached 6,200 ppm and showed spatial association with REE-rich fractured and altered zones. Fluid-inclusion temperatures of 312–322°C provide evidence of saline hydrothermal activity and support a hydrothermal component to the REE mineralization.

- d) The committee observed that the regolith was developed mainly in the valley part with an approximate depth of 3 meters and geological mapping was required to map the litho-units along with regolith. The committee suggested to prioritize the drilling considering the outcrop part of the mapped area.
- e) Considering the above observations the committee recommended for the Auger drilling of 100 m with 20 Boreholes, 10 Boreholes with 1000 m for core drilling quantum with grid interval of 200x400 m with borehole spacing of 100 m from the boundary. The plans of boreholes are shown in Annexure 5C and Annexure 5D. However, the drilling quantum, along with the corresponding sampling and chemical analysis, may be revised during the first review based on the results of geological mapping and sampling.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for "Preliminary Exploration (G3) for REE and associated minerals in Mawthong Shngimawlein Block, South West Khasi Hills District, Meghalaya." with an estimated cost of ₹ 347.51/- lakhs (including GST) within time schedule of 15 months for carrying out the proposed work and submission of geological report as per Annexure 5A & 5B. The project will be reviewed after 6 months and 10 months.



Annexure 5A

**Estimated cost for Preliminary exploration (G-3) for REE and Associated Minerals in Mawthong-Shngimawlein Block, District- South West Khasi Hills, Meghalaya, Area- 8.56 sq. km; Auger Drilling: 100 m, Auger Borehole 20 Nos, Average Depth: 5 m
Core Dilling 1000 m, Coring Borehole: 10 Nos, Average Depth: 100 m Completion Time- 15 Months; Review: after 06 months & 10 months**

Sl. No.	Item of Work	Unit	Rates as per NMEDT SoC 2025		Rates as per SoC in NER X 1.5	Estimated Cost of the Proposal		Remarks
			SoC- Item- S. No.	Rates as per SoC		Qty.	Total Amount (Rs)	
A	GEOLOGICAL MAPPING							
i	Detail Mapping (1:4000)	per sq km	1.1	28,600	-	8.56	2,44,816	
B	OTHER GEOLOGICAL WORK/ ACTIVITIES							
i	Charges for one Geologist-Field	per day	1.2.1a (b)	14,500	21,750	120	26,10,000	
ii	Charges for one Geologist - HQ	per day	1.2.1a (a)	10,500		60	6,30,000	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	240	2,00,160	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Sampling -1 Samplers (Labour charge not included)	per day	1.2.1b	7,850	11,775	47	5,53,425	
v	4 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	188	1,56,792	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner

								or respective State Govt. whichever is higher
	Sub-Total A						43,95,193	
B	SURVEY WORK							
i	One qualified surveyor with Total Station for carrying out topographical survey	per day	1.3.1	10,500	15,750	45	7,08,750	
ii	4 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	180	1,50,120	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
ii	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	36,000	14	5,04,000	10 Coring BH and 4 Boundary points
	Sub-Total B						13,62,870	
C.1	EXPLORATORY DRILLING -AUGER (OUTSOURCE)							
	Auger Drilling Soft Strata	m	2.2.2	4,760	7,140	100	7,14,000	Mechanized Auger Drilling for soft strata up to 30 m depth
	Technical Supervision cost	One time	6	10% of the sum of all the outsourced work components with a maximum ceiling of 20 lakh.			71,400	

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	Tendering Processing cost	One time	5.9	2% of the approved project cost or Rs. 5 Lakhs which is lower			14,280	
	Sub-Total C.1						7,99,680	
C.2	EXPLORATORY DRILLING -CORE (OUTSOURCE)							
i	Core Drilling in hard rock	per m	2.2.1.1d	10,000	15,000	1,000	1,50,00,000	Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Technical Supervision cost	One time	6	10% of the sum of all the outsourced work components with a maximum ceiling of 20 lakh.			15,00,000	
iii	Tendering Processing cost	One time	5.9	2% of the approved project cost or Rs. 5 Lakhs which is lower			3,00,000	
v	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	3,000	10	30,000	
vi	Borehole Plugging	Lumpsum per borehole	2.2.8	10,000	15,000	10	1,50,000	
vii	Core preservation	Per m	5.3	1,590	1,590	250	3,97,500	
viii	Land crop compensation	per borehole	5.6	30,000	30,000	10	3,00,000	
	Sub Total- C.2						₹ 1,76,77,500.00	
D	LABORATORY STUDIES							

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1	Heavy Mineral Separation							
i	Separation of heavy minerals auger samples of - 2mm size through gravity and magnetic separation	Per sample	4.3.6b	13,820		50	6,91,000	subject to positive results may increase
ii	Heavy mineral separation by liquid	Per sample	4.3.6a	2,890		50	1,44,500	
2	Chemical Analysis							
i	Analysis of 14 REE & 9 trace element by ICP-MS sequential technique	per sample	4.1.15	7,400		300	22,20,000	50 groove samples Bedrock+150 Heavy fraction of Auger BH samples, 100 BH Core Sample
	Additional 2 trace element by ICP-MS sequential technique (Sc & Y)	Per sample	4.1.15a	421		300	2,52,600	For two extra elements
ii	External (10%) Check samples from 14 REE & 9 trace element by ICP-MS sequential technique	per sample	4.1.15	7,400		30	2,22,000	
iii	Major Oxides (WD XRF) (oxides + traces-24 elements)	per sample	4.1.17a	4,200		25	1,05,000	
iv	Major Oxides (WD XRF) (oxides + traces-24 elements) (10 % check samples)	per sample	4.1.17a	4,200		3	12,600	
2	Physical & Petrological Studies							
ii	XRD analysis for identification of mineral phase	per sample	4.5.2	4,000		20	80,000	
iii	Preparation of thin section for Petrography	per sample	4.3.1	500		20	10,000	
iv	Complete petrographic study report	per sample	4.3.4	2,800		30	84,000	

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v	Preparation of Thin polished section	per sample	4.3.2	800		10	8,000	
vii	EPMA studies	Hrs	4.4.1	10,500		10	1,05,000	
	Sub-Total D						39,34,700	
	Total (A TO D)						2,81,69,943	
E	Geological Report Preparation	Nos	5.2iii			1	7,50,000	
F	Preparation of Exploration Proposal	Nos	5.1			1	5,00,000	2% or Rs. 500000 whichever is less
G	Report Peer Review Charges	lumpsum	As per EC decision	30000		1	30,000	
H	Total Estimated Cost without GST						2,94,49,943	
I	Provision for GST (18%)						53,00,990	GST will be reimbursed as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST						3,47,50,933	
						Say, in Lakhs	347.51	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.							
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.							
5	Any item of work not mentioned above shall be added as per SoC.							
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.							

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Annexure 5B

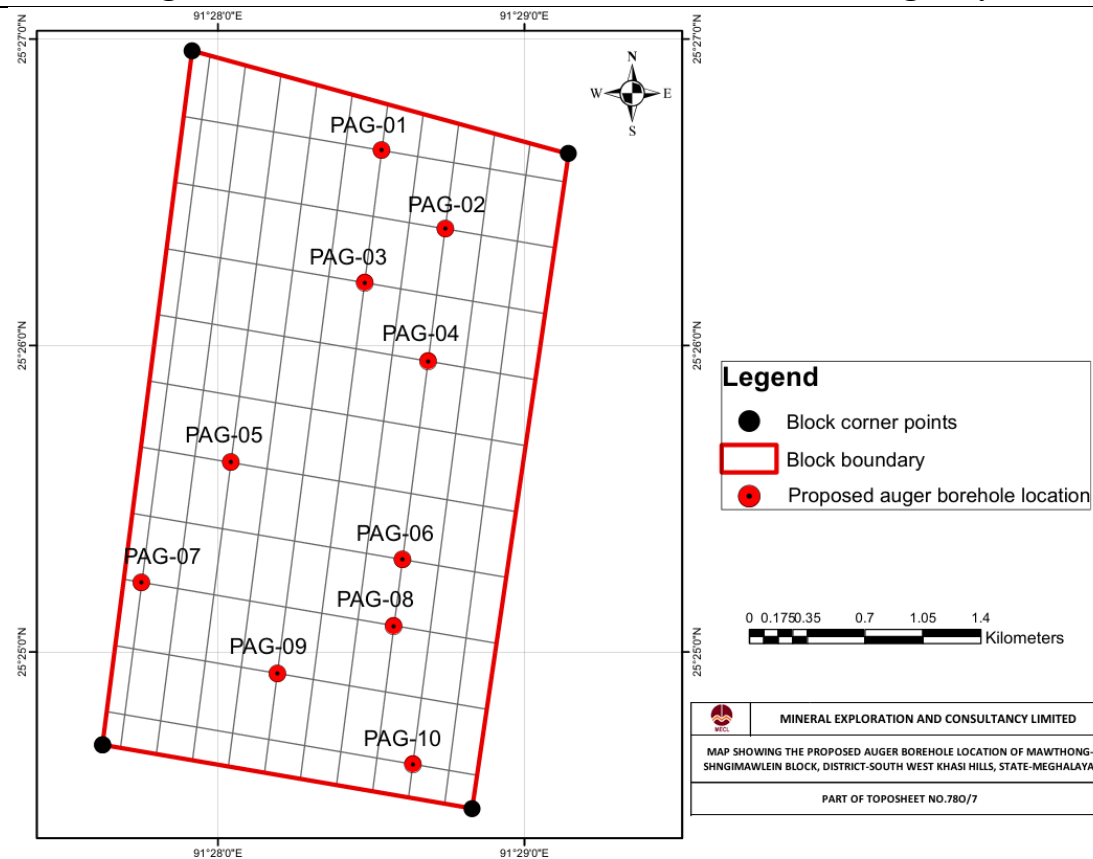
Timeline for Preliminary Exploration (G-3) for REE and Associated Minerals in Mawthong-Shngimawlein Block, District- South West Khasi Hills, Meghalaya

S. No.	Particulars	1	2	3	4	5	6	Review	7	8	9	10	Review	11	12	13	14	15
1	Camp Setting																	
2	Geological Mapping & sampling																	
3	Pitting																	
4	Auger Drilling																	
5	Core Drilling																	
6	Geologist days																	
7	Sampling days																	
8	Camp winding																	
9	Laboratory Studies																	
10	Geologist days, HQ																	
11	Report Writing with Peer Review																	

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30/09/2026

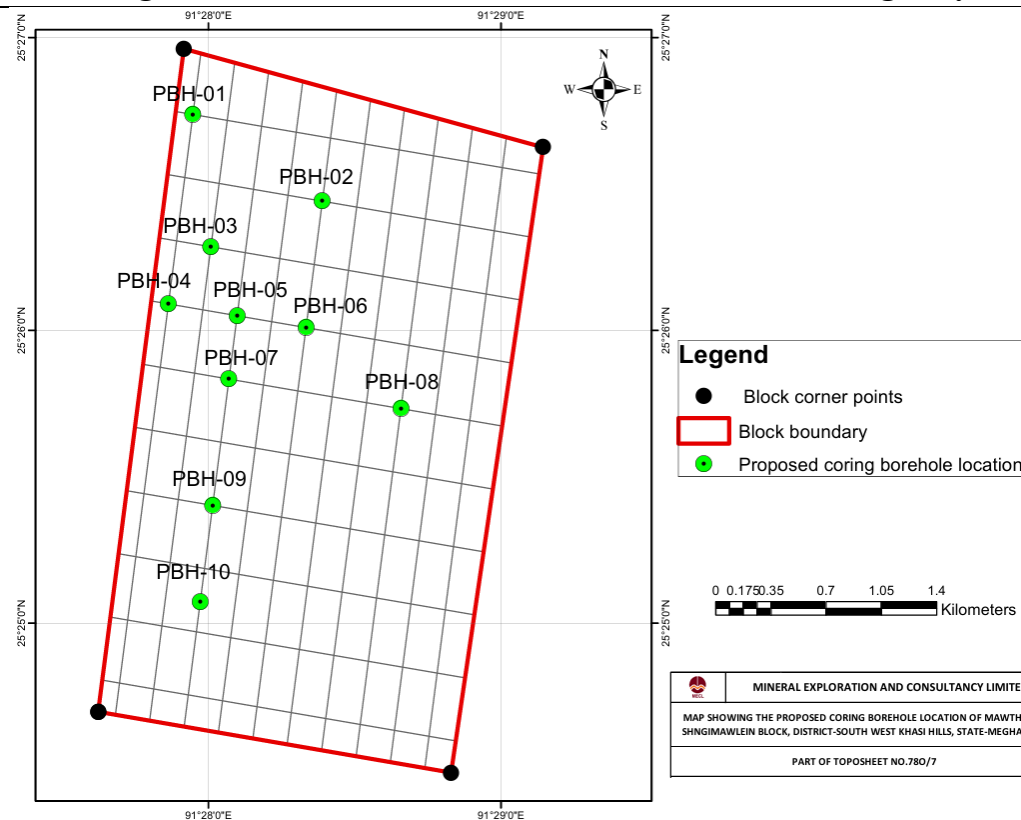
Tentative borehole plan (Auger Drilling) for Preliminary Exploration (G-3) for REE and Associated Minerals in Mawthong-Shngimawlein Block, District- South West Khasi Hills, Meghalaya



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Tentative borehole plan (Core Drilling) for Preliminary Exploration (G-3) for REE and associated Minerals in Mawthong-Shngimawlein Block, District- South West Khasi Hills, Meghalaya



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Agenda 37.1.5 Reconnaissance Survey (G4) for Base Metal and associated RM in and Around Kakna-Sakoli Village, Balrampur-Ramanujganj and Surguja Districts, Chhattisgarh.

ID: ME/DD/G4/CT/26-27/238

Area: 100.00 sq.km.

[Implementing Agency: M/s Siddharth Geo. Consultant]

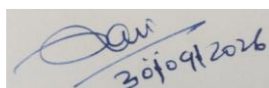
- a) The proposed area of 100 sq. km for reconnaissance survey (G4) falls in survey of India Toposheet no. 64M/7, 64M/8, in parts of Balrampur-Ramanujganj and Surguja Districts, Chhattisgarh.
- b) The table containing the comments is given below:

S.N.	Agency	Comments
1	GSI	Overlap of ~20% with GSI (1968-69) Report on Preliminary Investigation for Lead ore, Bhelai-Dhorpur Area, Surguja District, Madhya Pradesh. Overlap of ~50% with GSI 2018-19, Reconnaissance survey for base metal in Bhelai-Kudartola-Dhorpur area, Surguja and Balrampur districts, Chhattisgarh.
2	MECL	No overlapping with the ongoing or completed blocks of MECL.
3	State DGM	Not available
4	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
5	NMEDT	Proposed area (App. 20%) falls in Recorded Forest area. No NMEDT funded block present in the proposed area as per NGDR Portal.

- c) The committee observed that the proposed block was overlapped approximately 50% with the GSI 2018-19 G4 work for the base metals. The committee opined that it may lead to duplication of exploration work.
- d) The committee based on the above observation did not recommend the proposal and advised the agency to remove the overlapped area, revised the area there after consult GSI reports of FS 2018-19, FS 2023-24 and other surrounding reports, resubmit a fresh proposal.

Recommendations of TCC-II

The committee did not recommend the proposal due to overlap (50%) with GSI FS 2018-19 G4 work for base metal to avoid the duplication of work. The committee further advised the agency to resubmit the proposal after removal of overlap, modification of proposal and consulting GSI FS 2018-19, FS 2023-24 and other surrounding area reports.



Agenda 37.1.6 Preliminary Exploration (G3) For Tungsten in Akola Block, Nagpur District, Maharashtra.

ID: ME/DD/G3/MH/26-27/245

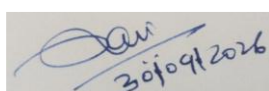
Area: 5.26 sq. km

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

- a) The proposed block of 5.26 sq. km for preliminary exploration (G3), falls in Survey of India Toposheet no. 550/06, in parts of Nagpur District, Maharashtra.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	Proposed block is overlapping with the GSI block, Regional assessment for REE & RM in the pegmatite bodies in Sausar Mobile Belt and Tirodi Biotite Gneiss, Nagpur district, Maharashtra, (Stage-G4). No mineral exploration project is under execution in FS. 2026-27 by GSI in the proposed area.
2	MECL	No overlapping with the ongoing or completed blocks of MECL.
3	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
4	DGM	Not available
5	NMEDT	Proposed block does not show overlapping with NMEDT Funded blocks. Khairanji block(G4_FS22-23) of MECL lies in proximity of proposed area. The proposed block (App. 98%) falls in Recorded Forest area.

- c) The agency referenced the regional work by GSI FS 2013-14 and informed the committee that the block lies within a granite–pegmatite–quartz vein system associated with Tirodi Biotite Gneiss and Sausar Group rocks. GSI reconnaissance investigation recorded W values up to 945 ppm in beryl- and muscovite-bearing pegmatite samples near Ramzam, along with elevated Be, Li, Cs, Rb and Ta. In the present proposed block, all 8 BRS samples show W mineralisation, ranging from 205 to 520 ppm, with the anomalous samples occurring mainly along the mapped quartz-vein/pegmatite corridor.
- d) The committee observed that based on grab sample results of G4 work, proposal can't be considered for G3 stage. The committee opined that for G3 exploration mineralized zones were to be delineated/geometry of mineral occurrence has to be established. The committee advised the agency to visit field area, study different varieties of litho types exposed in area/ do representative sampling/ analyse them/ traverse with UV lamp for W occurrences. Consolidate all these data and refine the proposal.
- e) The committee based on the above observation deferred the proposal and advised the agency to visit the field and collect 4-5 samples and do the analysis.



Recommendations of TCC-II

The committee deferred the proposal to upcoming TCC-II meeting due to lack of geological support and advised the agency to visit the field and collect 4-5 samples and do the analysis

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Agenda 37.1.7 Preliminary Exploration (G3) for Vanadium, Aluminous Laterite & Associated Minerals in Banhara Block, Katni District, Madhya Pradesh.

ID: ME/DD/G3/MP/26-27/247

Area: 4.93 sq. km

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

- a) The proposed block of 4.93 sq. km area for preliminary exploration falls in survey of India Toposheets no. 64A/09, Katni District, Madhya Pradesh.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The agency has previously undertaken G4 reconnaissance exploration during FS 2024–25 for Vanadium, Titanium, REE and associated mineralisation in the Gopalpur–Banhari–Hathra Block, Katni District. The area is predominantly underlain by clay, laterite, ferruginous sandstone and lateritic soil of the Jabalpur Formation of the Gondwana Supergroup, with minor porcellanite of the Vindhyan Supergroup and alluvial/transported soil. Analytical results indicate significant vanadium enrichment in ferruginous lateritic horizons, with maximum V values of 1,900 ppm at Banahari, 1,554 ppm at Banahara and 1,455 ppm at Manpur PF, along with anomalies at Hathera, Pipariyakalan, Dhaura and Gopalpur RF. High Fe ₂ O ₃ values of 55–73% indicate intense ferruginisation favourable for concentration of critical minerals. No ongoing project in the proposed area.
2	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	No reconnaissance/exploration work has been carried out by the Department in the proposed area, as per the available departmental records. No ongoing exploration/reconnaissance project of the Department related to the proposed commodities or any other mineral/commodity is presently being undertaken in the proposed area. Since no previous or ongoing exploration work has been carried out by the Department in the proposed area, Therefore, the area may be considered for exploration based on the available proposal and other relevant geological information.

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		As per the available departmental records, no mineral concession for major or minor minerals overlaps with the proposed area.
5	NMEDT	Proposed G3 block overlaps with Exploration block of GSI_G4_FS_2024-25 (Reconnaissance survey for vanadium, Titanium, REES and associated mineralization in laterite in Gopalpur- banhari-hathra block, katni district, Madhya Pradesh (G4) as per NGDR. Proposed block does not show overlapping with NMEDT Funded blocks.

- c) The agency informed the committee that the proposed Banhara Block is justified for G3 exploration based on its favourable lateritic geological setting and the significant vanadium enrichment established during GSI's G4 exploration (FS 2024–25). The area comprises the Gondwana/Jabalpur Formation with ferruginous sandstone, laterite and clay beds, including well-developed lateritic duricrust and paleo-weathering profiles favourable for secondary enrichment. The geochemical results showed approximately 60% of BRS samples contain >550 ppm V, with BRS values in the proposed zone ranging from 248.92–1,107.05 ppm V. The three PTS samples recorded 802.29–1,553.995 ppm V. The geochemical results provide strong support for further investigation. In the GSI study, 58 of 100 BRS samples contained > 500 ppm V, with values up to 1,900 ppm, while 41 of 50 PTS samples exceeded 660 ppm V, reaching 1,554 ppm. Within the proposed Banhara block, 15 BRS samples recorded 248.92–1,107.05 ppm V, while 20 PTS samples from three pits/trenches recorded 802.29–1,553.995 ppm V. The lateritic formations were also enriched in associated critical/base metals including Ga, Cu, Zn and REEs. The agency further informed the committee that as per Parivesh portal the area did not overlap with ESZ, ESA, wildlife sanctuary and Tiger reserve and other restricted areas.
- d) The committee observed a large water body in the eastern part of the block area and a highway was going in the eastern part. The committee asked the agency to modify the block to remove the eastern area and add small part in south within 5.0 sq. km area. The agency modified the block to an area of 4.42 sq. km.
- e) The committee based on the above observations recommended for the 20 boreholes with 400 m drilling quantum, with grid interval of 400x400 m with a distance of atleast 200 m from boundary. The plan of boreholes is shown in Annexure 6C. However, the drilling quantum, along with the corresponding sampling and chemical analysis, may be revised during the first review based on the results of geological mapping and sampling.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “Preliminary Exploration (G3) for Vanadium, Aluminous Laterite & Associated Minerals in Banhara Block, Katni District, Madhya Pradesh.”, with an estimated cost of ₹ 119.83/- lakhs (including GST) within time schedule of 12 months for carrying out

***the proposed work and submission of geological report as per Annexure 6A & 6B.
The project will be reviewed after 4 months and 8 months.***

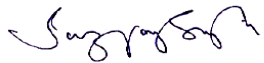
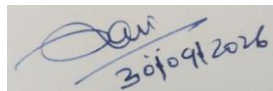
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ANNEXURE 6A

Estimated Cost for Preliminary Exploration (G3) for Vanadium, Aluminous Laterite & Associated Minerals in Banhara block, Katni District, Madhya Pradesh, Total area:4.42 sq. km, Period of Completion: 12 months, Review - After 4 and 8-months; Drilling: 400 m (20 BHs)

S. No.	Item of Work *	Unit *	SoC-Item No.*	Rates as per SoC *	Qty.	Total Amount (Rs)	Remarks
PHASE-I							
A	Geological Mapping and Other Geological Work						
i)	Geological mapping, (1:4000 scale)	per Sq. Km	1.1	₹ 18,300.00	4.42	80886.00	
	a. Charges for Geologist per day (Field) for geological mapping with Sampling	day	1.2.1a(b)	14500.00	120	1740000.00	
	b. Labours Charges	day	5.8	556.00	240	133440.00	
	c. Charges for Geologist per day (HQ)	day	1.2.1a(a)	10500.00	30	315000.00	
	Sub Total- A					2269326.00	
C	Trenching/Pitting						
	a. Excavation of Pit upto 2.0m depth	per cu.m	2.1.2	4725.00	80	378000.00	
	Sub Total- C					378000.00	
D	Survey Work						

i	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes with total station etc. a) Charges of one Surveyor per day	Charges for one Surveyor per day	1.3.1	10500	45	472500.00	
ii	Labour Charges	Days	5.8	556	180	100080.00	
iii	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work) - use of CORS Network system for all DGPS is compulsory	Per point of observation	1.3.2	24000	31	744000.00	20 Borehole + 11 Cardinal points
	Sub Total- D					1316580.00	
E	LABORATORY STUDIES						
	Chemical Analysis (surface samples)						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per sample	4.1.17a	4200.00	55	231000.00	(50+5) including check samples
2	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique)	Per Sample	4.1.15	7400.00	22	162800.00	(20+2) including check samples
	Sub-Total-E					393800.00	
PHASE-II							
F	Drilling (In house)						

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	Drilling in / Drilling in Soft rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth In case NQ size drilling is done before 400m depth, the rate shall decrease by 20%	Per m	2.2.1.1c	5500	400	2200000	Average borehole depth: 20 m. Initial BHs at 800 m grid (10 bhs). 10 BHs subsequently at 400 m grid after the review of initial 10 boreholes. Boreholes depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
	Construction of concrete Pillar (12"x12"x30")	Per borehole	2.2.7	2000	20	40000	
	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road	Lumpsum	2.2.9	For Drilling cost less than 50 lakhs: 25% of the Drilling Cost		550000	
	Land Crop compensation	Per borehole	5.6	30000	20	600000	
	Drill Core Preservation	Per m	5.3	1590	100	159000	
	Borehole plugging by cement	Per borehole	2.2.8	10000	20	200000	
	Sub-Total- F					3749000	
H	LABORATORY STUDIES (Core Sample)						
1	Major oxide (WD XRF) - (oxides+Traces - 24 elements)	Per sample	4.1.17a	4200.00	220	924000.00	(200 +20) including check samples

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2	Analysis of one rock/soil sample for quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb,Th) by ICP-MS (sequential technique)	Per Sample	4.1.15	7400.00	22	162800.00	(20 +2) including check samples
	Sub-Total-H					1086800.00	
I	Physical & Petrological Studies						
i	Preparation of standard thin section of rock	Nos.	4.3.1	500.00	10	5000.00	
ii	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Nos.	4.3.4	2800.00	10	28000.00	
iii	Bulk Density	Per Sample	4.8.3	2500	5	12500.00	
	Sub-total-I					45500.00	
J	Mineral Physics Study						
	XRD	Per sample	4.5.2	4000.00	20	80000.00	
	Subtotal -J					80000.00	
K	Sampler Charges	Days	1.2.1b	7850	36	282600.00	
	Labour	Days	5.8	556	144	80064.00	
	Subtotal-K					362664.00	
L	Total A to K					9681670.00	
M	Preparation of Exploration Proposal	Soft Copy	5.1			193633.40	
N	Geological Report Preparation	Soft Copy	5.2			250000.00	

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	Peer Review					30000	
	Total Estimated Cost without GST					10155303.40	
	Provision for GST (18%)					1827954.61	
	Total Estimated Cost with GST					11983258.01	
	Total Estimated Cost with GST IN Lakhs					119.83	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

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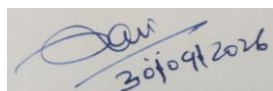
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ANNEXURE 6B

Timeline For Preliminary Exploration (G3) for Vanadium, Aluminous Laterite & Associated Minerals in Banhara block, Katni District, Madhya Pradesh

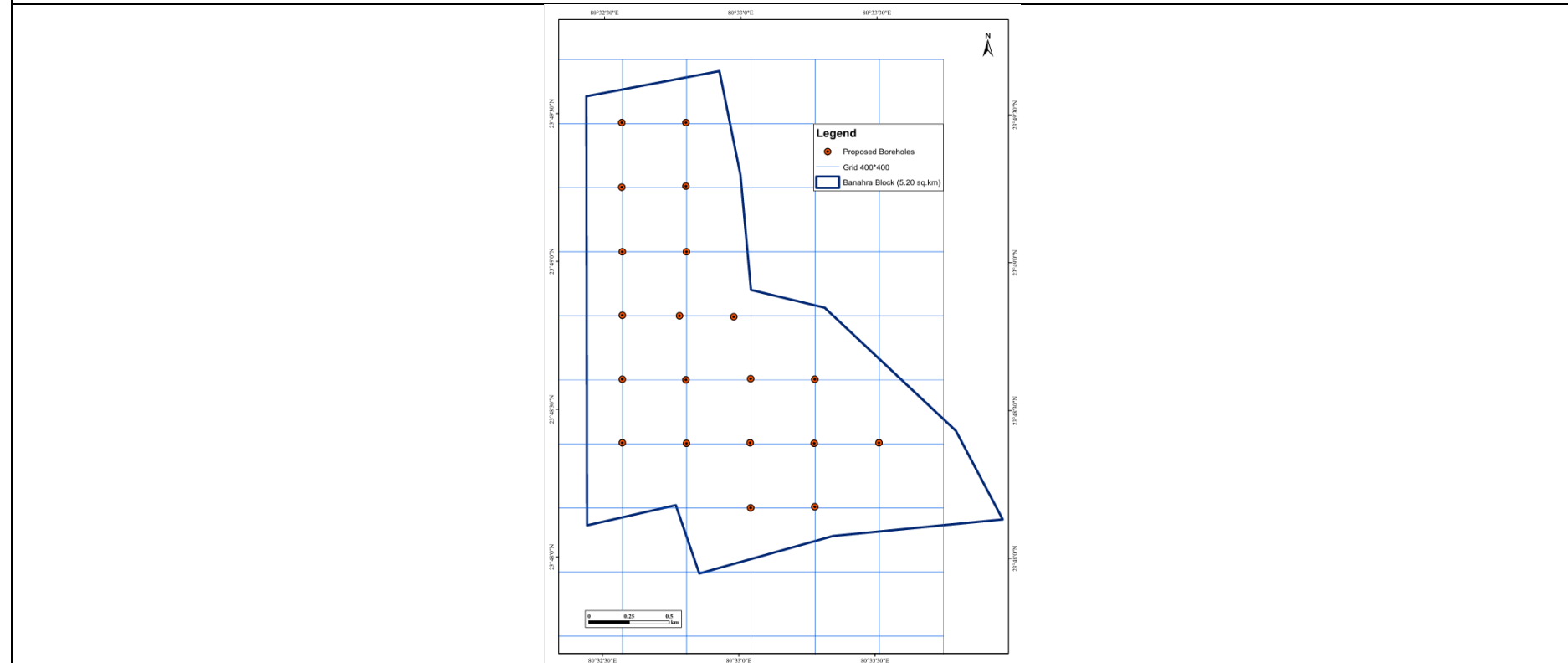
.	Item of work	Months														
		1	2	3	4	Review	5	6	7	8	Review	9	10	11	12	
1	Camp Setup															
2	Detailed Mapping (1:4000)															
3	Bed Rock Sampling															
4	Pitting															
5	Chemical analysis of surface samples															
6	Systematic drilling															
7	Core sampling and its preparation															
8	Chemical analysis of Core Samples															
9	Processing of Analytical data															
10	Preparation of geological report with Peer review															

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Annexure 6C

Tentative borehole plan for Preliminary Exploration (G3) for Vanadium, Aluminous Laterite & Associated Minerals in Banhara Block, Katni District, Madhya Pradesh



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Agenda 37.1.8 Preliminary Exploration (G3 Stage) of Ti, V and low-grade rock phosphate in Parbad- Kumir, Purulia District, West Bengal

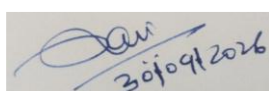
ID: ME/DD/G3/WB/26-27/064

Area: 3.18 sq. km

[Implementing Agency: M/s MMPL Private Limited]

- a) The proposed block of 3.18 sq. km area for preliminary exploration (G3), falls in Survey of India Toposheet no. 73J/5, in parts of District, Purulia, West-Bengal.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed Parbad–Kumir G3 block exhibits 100% overlap with the GSI investigation area for apatite covered under the report titled "Report on the Detailed Investigation for Apatite around Beldih, Kutni and Chirugora, Purulia District, West Bengal (1977–79)" which has already been handed over to DMM, West Bengal as GR in September, 2017. Additionally, the block shows approximately 78% overlap with the GSI investigation area for lead and copper documented in the report "Report on the Investigation for Lead and Copper Ore in Parts of Purulia, Bankura, and Midnapore Districts, West Bengal (1960–61)".
2	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DMM West Bengal & DMG Jharkhand	As per the available official records, no Composite Licence (CL) or Mining Lease (ML) presently exists within the proposed Parbad–Kumir Block area. The proposed area does not overlap with any existing FSP project of the Directorate of Mines & Minerals, Government of West Bengal. It is also observed that no actionable mineral block under the name of Parbad Kumir has been handed over by GSI to DMM for auction purposes. In this regard, it is to mention that the G-4 study carried over to DMM for auction purposes by the Bidh, Chiroguda, Kutni & Mednitnar areas and Parbad-Kumir Block for Apatite. The proposed project, i.e. REE & RM mineralization may yield an actionable Block for State in near future subject to successful establishment of resources of Apatite, Magnetite and associated Titanium, REE & RM mineralisation in G-4 Level by MMPL.



		DMG Jharkhand comments were not available.
5	NMEDT	One auctionable G-4 GM block for Phosphorite mineralization (Kumir Parbad) was present with in the proposed block. NMEDT funded blocks are not present adjacent to the proposed block in NGDR.

- c) In the 34th TCC-II meeting the committee observed that the proposed block covers an auctionable G-4 GM block for Phosphorite mineralization (Kumir Parbad). Considering the above, the Committee deferred the proposal and advised the NMEDT secretariat to obtain the status of the GM block submitted by GSI from DMM West Bengal and DMG Jharkhand.
- d) The committee observed that the DMM West Bengal had submitted its comments but DGM Jharkhand comments were not available. The committee based on above observations deferred the proposal to upcoming TCC-II meeting subject to availability of the DMG Jharkhand comments and advised NMEDT secretariat to obtain the comments of DMG Jharkhand.

Recommendations of TCC-II

The committee deferred the proposal to upcoming TCC-II meeting subject to the availability of the DMG Jharkhand comments about the GM block submitted by GSI.

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Agenda 37.1.9 Preliminary exploration for establishing zones of Graphite and associated mineralization of Chauki block, Betul District, Madhya Pradesh

ID: ME/DD/G3/MP/26-27/244

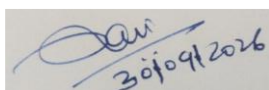
Area: 2.00 sq. km

[Implementing Agency: M/s Bhushilp Mines and Minerals Pvt Ltd]

- a) The proposed block of 2.00 sq. km area for preliminary exploration falls in Survey of India Toposheets no. 55G/09 & 55G/13, in parts of Betul District, Madhya Pradesh
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	Overlaps with GSI work, Reconnaissance Survey for aluminous laterite/Bauxite and associated mineralization in Mewa-Chakar-Bareta-Turra areas, Satna District, Madhya Pradesh. FS-2024-25.
2	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	The Department has no previous / ongoing / proposed exploration for Graphite mineral in the area proposed by Bhushilp. It is observed that there are no mineral concessions overlapped with the proposed area.
5	NMEDT	Proposed G3 Block Overlaps with Reconnaissance Survey for Graphite, basemetal and associated Mineralisation in Kolhudhana-Selu-Chauki-Pangra Areas, Betul Belt, Betul District, Madhya Pradesh. The proposed block has 40.0% overlap with the RFA area. No overlap with NMEDT funded blocks.

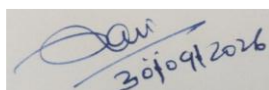
- c) The agency referenced the GSI G4 work of FS 2020-23 IN n the Kolhudhana-Selu-Chauki-Pangra area of the Betul Belt. The G4 investigation identified a graphite-bearing zone at Chauki approximately 10 m long along strike (N45°E) and 4-5 m wide, with both amorphous and flaky graphite, the latter being more abundant. The graphite occurs as disseminations, aggregates, thin stringers and veinlets along foliation planes of quartz-mica schist and is hosted within sheared porphyritic granite. Two channel samples collected across the graphite body returned 11.04% and 15.90% fixed carbon, along with associated vanadium, thorium and uranium values. Further, the G4 geophysical investigation indicated low resistivity and high chargeability, providing scope for further subsurface investigation through drilling. However, drilling could not be undertaken during the G4 investigation due to non-availability of forest permission.



- d) The committee observed that the proposed block covers sandstone in NE part of the proposed block and the length of the exposed graphite band was small (~ 10 m) with limited width of (4-5) m. No scout drilling results were available and the agency did not visit the ground to infer the continuation of the mapped graphite band.
- e) The agency requested the committee to consider their agenda for discussion in next TCC-II meeting to present the integrated geological, geophysical results of the previous work.
- f) The committee deferred the project proposal there was no clear geological control inferred from the available data.

Recommendations of TCC-II

The committee deferred the proposal to upcoming TCC-II meeting as there was no clear geological control inferred from the available data and advised the agency for integration of available data for discussions.



Agenda 37.1.10 Preliminary exploration for establishing zones of copper and associated mineralization in Makardhokra Block, Bhandara District, Maharashtra

ID: ME/DD/G3/MH/26-27/250

Area: 1.30 sq. km

[Implementing Agency: M/s Bhushilp Mines and Minerals Pvt Ltd]

- a) The proposed block of 1.30 sq. km for preliminary exploration falls in Survey of India Toposheets no. 550/12, in parts of Bhandara District, Maharashtra
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	GSI has carried out a G4 stage investigation in the proposed area in FS. 2023-24 titled "Reconnaissance survey for copper-associated mineralisation in Silli- Makardhokra- Vaghabori area, Bhandara District, Maharashtra". The proposal is based on the outcome of this G4 stage investigation. No mineral exploration program is currently under execution by SU:MH within the proposed block. However, in FS. 2026-27, SU: Maharashtra, Nagpur has taken up a G3 stage exploration item for the same commodity in the northeastern part, adjacent to the proposed block. The boundary of the proposed block does not overlap with the GSI block presently under progress.
2	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	DGM	At present, no ongoing exploration or reconnaissance project specifically related to Copper and Associated Mineralisation has been reported within the proposed block area by the Directorate.
5	NMEDT	There is no overlapping with the NMEDT Funded projects as per NGDR Portal.

- c) This project was rejected in 32nd TCC-II due to lack of ground evidence and agency was advised to carryout ground work to substantiate the proposal. The agency visited the field and collected 6 BRS samples which showed Cu values up to 192 ppm.
- d) The committee observed that there the observed values showed values lower far less than cutoff for Cu, therefore rejected the proposal.

Recommendations of TCC-II

The committee did not recommend the proposal as the six field samples collected by the agency did not show encouraging Cu values.

37.2 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 37.2.1 Reconnaissance Survey (G4) for REE and associated minerals in Ektala Rajanpalli and Jogiapalli-Gobindpur Area, Nayagarh District, Odisha

[Implementing Agency: MECL]

- a) The project was recommended by 75th TCC-I held on 27th and 28th March, 2025 and approved in 42nd Executive Committee (EC) meeting, NMEDT held on 2nd June 2025 with an approved cost of ₹ 116.17/- Lakh (including GST). The Sanction Order was issued on 20th June 2025 for scheduled timeline of 10 months up to 19th April 2026.
- b) In the 27th TCC-II meeting the committee recommended the proposal for approval of PSC for "Revised cost ₹ 90.46 Lakh against the approved cost of ₹ 116.17 Lakh due to removal of drilling in hard rock component, increase in auger drilling quantum, addition of samples for ICPMS analysis and thin section preparation. The committee reviewed the agency's request for a timeline extension and agreed to recommend a six-month extension, up to October 19, 2026, for the final submission of the geological report.
- c) The agency requested for Peer reviewer and timeline extension up to 15th November 2026 for final submission of Geological report.
- d) The committee observed that no potential values had been observed and no support of auger drilling data to demarcate the potential zones for further work. The committee considering the above facts recommended the timeline extension up to 15th November 2026 for final submission of Geological report and agreed for assigning the peer reviewer.

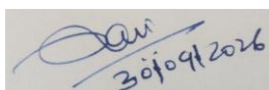
Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for "timeline extension up to 15th November, 2026 for submission of Final Geological Report".

Agenda 37.2.2 Reconnaissance Survey (G4) for REE and associated minerals in Nakchi area, Angul District, Odisha

[Implementing Agency: MECL]

- a) The project was recommended in 80th TCC-I meeting held on 28th, 29th August & 1st September, 2025, and approved in 1st PSC meeting held on 9th October 2025. The project was approved with a scheduled timeline of 10 months at a sanctioned cost of ₹143.85/- lakhs (including GST). The Sanction Order was issued on 10th November, 2025. Scheduled project completion timeline is 09th September, 2026.
- b) In the 29th TCC-II meeting the committee advised the Agency to prepare and compile detailed overlay maps, contour maps, spatial distribution maps etc., The Committee further directed that the prepared maps, along with their interpretations and findings, be presented in the forthcoming TCC meeting for detailed review. The Committee agree for additional 20 stream sediment samples & 20 BRS by utilization of the samples originally approved for auger drilling". There is no change in the project cost arising due to these additional samples.



- c) The committee observed that the results were not encouraging and asked the agency to submit the Geological report and agreed for assigning the Peer review. The committee considering the request of the agency recommended for the timeline extension up to 15th November 2026 for final submission of geological report.

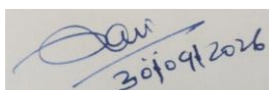
Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 15th November, 2026 for submission of Final Geological Report”.

Agenda 37.2.3 Preliminary Exploration (G-3) for Graphite in Jhab Block, Dahod District, Gujarat.

[Implementing Agency: MECL]

- a) The project was recommended in 7th TCC-II meeting held on 24th and 25th March, 2025, and approved in the 42nd EC Meeting held on 2nd June, 2025. The sanction order was issued on 23rd June, 2025, for scheduled timeline of 15 months up to 22nd September, 2026, with an approved cost of ₹203.14/- Lakh (Including GST).
- b) The committee in the 28th TCC-II meeting, the committee recommended the proposal for approval of PSC for “revision of the block boundary to cover the graphite bands extending beyond the present block area, and change in the rate for vanadium analysis as per Clause 4.1.7(a) of SoC (2020), in place of the additional element rate of ₹421/- under Clause 4.1.15(b)”. Revised cost will be evaluated in next TCC meeting. The Committee advised 400m x 400m spacing for drilling in Limb part and 200m x 200m spacing in Hinge part of the major folded structure formed by Graphite bands.
- c) The agency informed the committee that they had applied for forest permission and drilling (2300 m) would initiate once forest permission is obtained. Progress of drilling had been delayed due to the requirement of fresh forest permission. The initial permission dated 26.11.2025 covered geological mapping, survey, geophysical work and trenching, while separate permission for drilling was accorded on 25.08.2026. However, technical difficulties in processing the proposal through the PARIVESH Portal, subsequent scrutiny/revision of details, and the limited 7-day validity of the drilling permission prevented the planned drilling programme from being undertaken. A communication dated 02.09.2026 directed submission of a fresh proposal for the required 1.8786 ha forest area.
- d) Accordingly, MECL took necessary actions to submit a revised forest proposal incorporating the required forest survey numbers, village-wise borehole details, area calculations, maps and supporting documents. Considering the time required for obtaining forest permission, completing drilling, laboratory analysis and geological interpretation the agency requested for timeline extension up to 22nd March 2027
- e) The agency also requested for the cost revision for Vanadium analysis as per the SoC clause 4.1.15a. (Major oxides by XRF technique) in place of clause 4.1.15b. The committee agreed for the same and asked the agency to submit the revised cost sheet.

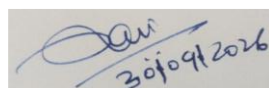


- f) The committee considering the above facts recommended the timeline extension up to 22nd March 2027 which included the forest permission procedures time period followed by drilling activities.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “revised cost of ₹ 499.79/- lakhs (including GST) against the approved cost of ₹474.61/- lakhs (including GST), due to cost revision for Vanadium analysis by SoC (2020) clause 4.1.15a (XRF technique)”. (Annexure 7)

The Committee recommended the proposal for approval of PSC for “timeline extension up to 22nd March 2027 for obtaining forest permission followed by drilling work”.



Annexure 7

Revised Estimated cost for Preliminary Exploration (G-3) for Graphite in Jhab Block, District: Dahod, Gujarat. [Block area- 4.52 sq. km; Nos. of Borehole- 36 (1st level BH: 29, 2nd level BH:7); Borehole depth range: 40-100m; Schedule timeline- 15 months, Review after 5 and 10 Months]

S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2020-21		Approved Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC-Item - Sl. No.	Rates as per SoC	Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK								
1	Geological Mapping (1:4000), Borehole logging, sampling & Report writing								
i	Charges for one Geologist-Field	day	1.2	11,000	180	19,80,000	180	19,80,000	
ii	Charges for one Geologist - HQ	day	1.2	9,000	60	5,40,000	60	5,40,000	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	526	360	1,89,360	360	1,89,360	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Core Sampling -1 Samplers Labour charge not included	day	1.5.2	5,100	140	7,14,000	140	7,14,000	
v	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	526	560	2,94,560	560	2,94,560	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
2	Survey							-	

i	Topographical Survey (1:4000)	day	1.6.1a	8300	30	249000	30	2,49,000	Topographical Survey on 1:4000 (2 m contour interval)- Completed
ii	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.7	526	120	63,120	120	63,120	Completed
iii	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes by DGPS and boundary coordinates	Per Point of observation	1.6.2	19,200	44	8,44,800	44	8,44,800	36 BHs and 8 boundary coordinates
	Sub Total- A			Sub Total- A		48,74,840		48,74,840	
B	GEOPHYSICAL SURVEY								
i	Self Potential	Line Km	3.3a	29600	20	5,92,000	20	5,92,000	Tentative 5.73 sq km area for Geophysical Survey at 100 m traverse interval 10m station interval i.e. 20Line Km. Completed
iii	Charges for one Geophysicist - HQ	day	3.18	9000	30	2,70,000	30	2,70,000	Completed
	Sub Total- B					8,62,000		8,62,000	
C	TRENCHING/Pitting								
	Trenching	Cu. M.	2.1.1	3330	300	9,99,000	298	9,92,340	Completed
	Pitting for Bulk Density 1 X 1 X 1m	Cu. M.	2.1.2	3380	5	16,900	5	16,900	
	Sub Total- C					10,15,900		10,09,240	
D	DRILLING								
i	Drilling upto 300m (Hard Rock) (2 rigs)	m	2.2.1.4a	11,500	2,300	2,64,50,000	2,300	2,64,50,000	(1st level BH: 29 400m interval, 2nd level borehole: 7)

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ii	Land / Crop Compansation	per BH	5.6	20,000	36	7,20,000	36	7,20,000	Amount will be reimbursed as per actuals or max. Rs. 20000 per BH with certification from local authorities
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	36	72,000	36	72,000	
iv	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	4,200	1,51,200	4,200	1,51,200	Certification in this regard is required to be provided
v	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	6	3,00,000	6	3,00,000	
vi	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	2	5,00,000	2	5,00,000	2 rigs
vii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	2	5,00,000	2	5,00,000	2 rigs
viii	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	5	1,10,100	5	1,10,100	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed later
ix	Core Preservation: One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	500	7,95,000	500	7,95,000	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
	Sub Total- D					2,95,98,300		2,95,98,300	
E	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples for Graphite								

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	a. Primary Samples for Proximate Analysis of Graphite: Fixed Carbon (FC), Ash (A), Moisture (M) and Volatile Matter (VM)	Nos	4.1.16	3,000	500	15,00,000	500	15,00,000	Trench-100, BH-400
	b-Primary samples for analysis of Vanadium	Nos	4.1.15b	421	500	2,10,500	500	21,00,000	Trench-100, BH-400, Old SoC Clause 4.1.15a per sample Rs. 4200/- (WD-XRF)
	c-External (10%) Check for analysis of Vanadium	Nos	4.1.15b	421	50	21,050	50	2,10,000	
	d-External(10%) Check samples from NABL Lab for Proximate Analysis of Graphite: Fixed Carbon (FC), Ash (A), Moisture (M) and Volatile Matter (VM)	Nos	4.1.16	3,000	50	1,50,000	50	1,50,000	
	e-XRF analysis for oxides (SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, Na ₂ O, K ₂ O, P ₂ O ₅ , TiO ₂ , MnO)	Nos	4.1.15a	4,200	10	42,000	10	42,000	
	f- 34 element by ICPMS	Nos	4.1.14	7,731	10	77,310	10	77,310	
2	Raman spectroscopy Study							-	
	a. Preparation of thin section for Raman spectroscopy	Nos	4.3.1	2,353	5	11,765	5	11,765	
	b. Raman spectroscopy charge	Per Hour		2,970	3	8,910	3	8,910	SOC rate not available; SOR of GSI has been considered. Reimbursement will be on actual basis.
3	Physical & Petrological Studies								
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	10	23,530	

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ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	10	42,320	
iii	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	10	15,490	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	10	42,320	
v	Digital Photographs	Nos	4.3.7	280	5	1,400	5	1,400	
vi	XRD	Nos	4.5.1	4,000	5	20,000	5	20,000	
vii	Determination of in-situ Bulk density	Nos	4.1	3,540	5	17,700	5	17,700	
	Sub Total- G					21,84,295		42,62,745	
F	Total A to G					3,85,35,335		4,06,07,125	
G	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 300 lakhs - A minimum of Rs. 9 lakhs or 3% of the value of work whichever is more		11,56,060		12,18,214	Reimbursement will be made after submission of the final Geological Report in and the soft copy to NMEDT.
H	Peer review Charges		As per EC decision			30,000		30,000	

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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 lower		5,00,000		5,00,000	EA has to submit the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.
	Total Estimated Cost without GST					4,02,21,395		4,23,55,339	
	Provision for GST (18%)					72,39,851		76,23,961	GST will be reimbursed as per actual and as per notified prescribed rate
	Total Estimated Cost with GST					4,74,61,246		4,99,79,300	
Note									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non-performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement								
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.								
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.								
5	Any item of work not mentioned above shall be added as per SoC.								
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.								

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**Agenda 37.2.4 Preliminary Exploration (G-3) for REE and associated minerals in
Ludrada North block, Balotra District, Rajasthan.**

[Implementing Agency: MECL]

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**Agenda 37.2.5 Preliminary Exploration (G-3) for REE and associated minerals in
Ludrada South block, Balotra District, Rajasthan**

[Implementing Agency: MECL]

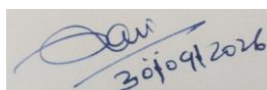
Recommendations of TCC-II

The committee deferred the proposals for discussions in Joint TCC meeting.

**Agenda 37.2.6 Preliminary Exploration (G-3) for Potash in Lakhasar East
Extension Block, Lakhasar Sub Basin, District- Bikaner, Rajasthan**

[Implementing Agency: MECL]

- a) MECL informed that the project was recommended in 2nd meeting of TCC-II held on 22nd and 23rd October 2024 and approved in 38th EC meeting held on 29th November 2024 for ₹1616.51/- Lakh (including GST) with timeline of 15 months up to 12th March 2026. The drilling programme comprised 10,500 meters in total, covering 15 boreholes with an average depth of up to 700 meters each.
- b) The project was reviewed in 16th meeting of TCC-II held on 3rd & 6th November 2025, where the agency informed that drilling in BH2 has been suspended due to jamming and requested premature closure of borehole no. 2. The committee agreed for premature closure of borehole no. 2.
- c) In 25th meeting, TCC-II agreed for recommendation of timeline extension of 6 months up to 12th September 2026 for completion of the project and submission of final GR. Additionally, the agency was instructed to submit a detailed justification explaining the reasons for the delay in the completion of the project timeline to NMEDT.
- d) The agency informed the committee that out of the approved total drilling quantum (10500 m, 15 BHs), 9595.50 m (12 BHs completed; 01 (MLEE-07) jammed at 640 m depth; 2 BHs running) had been achieved. A total of 1,360 samples had been generated from 11 boreholes, with analytical results received for 1,114 primary samples from nine closed boreholes. Borehole-wise correlation of potash bands has been undertaken using 2%, 3% and 5% K criteria and correlated with the adjacent Lakhasar East Block. The agency requested for six-month extension and approval for premature closure of MLEE-07 at 640 m due to collapsing associated with highly fractured and unstable formations.



- e) The agency informed the committee that the borehole MLEE-07 was commenced on 26.06.2025 and drilling initially progressed in HQ size up to 537 m, followed by NQ drilling up to 576 m. Beyond 576 m, drilling encountered severe operational difficulties including collapse of fractured zones, strong jamming, complete loss of circulation and frequent drill-string blockage. Repeated cementing/plugging operations could not fully stabilize the borehole due to persistent loss of drilling fluid. During an attempted recovery operation at 576 m, 94 NQ rods were successfully retrieved, while one pair of NQ rods with the core-barrel assembly remained lodged in the borehole. Drilling was subsequently diverted using an NW wedge at 534 m and continued in NQ size from 576 m to the proposed closure depth of 640 m. Considering the cumulative technical constraints, the continued drilling beyond 640 m was assessed to involve a high risk of equipment loss and prolonged downtime, while geophysical logging beyond 520 m was not considered feasible. The agency has therefore requested approval for premature closure of MLEE-07 at 640 m.
- f) The committee considering the completion of remaining drilling quantum, analysis of samples and final submission of geological report including peer review recommended for timeline extension up to 28th February 2027. The committee advised the agency to complete the remaining within allotted timeline.
- g) The committee considering the above facts agreed for the premature closure of borehole MLEE-07 at 640 m depth and advised the agency to come up with comprehensive detailed representation of lithologs, their correlation, and analysis results in upcoming TCC meeting.

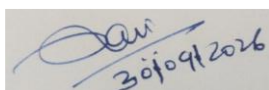
Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 28th February 2027 for completion of remaining drilling work and analysis of samples, final submission of Geological report including Peer Review”. The committee also agreed for the premature closure of borehole MLEE-07 at 640 m depth.

Agenda 37.2.7 Reconnaissance Survey (G-4) for Bauxite and associated Minerals in Kukma area, District- Kachchh, Gujarat

[Implementing Agency: MECL]

- h) The project was recommended in 9th TCC-II meeting held on 29th and 30th May 2025, and approved in 43rd EC meeting held on 14th August, 2025. The project was approved with a scheduled timeline of 10 months at a sanctioned cost of ₹ 75.45/- lakhs (including GST). The sanction Order was issued on 8th September, 2025. Scheduled project completion timeline was 7th July, 2026. The approved drilling quantum was 150 m with 5 boreholes with average depth 30 m.



- i) In the 33rd TCC-II meeting the committee recommended the proposal for approval of PSC for “revised cost of ₹ 19.22/- lakhs (including GST) against the approved cost of ₹75.45/- lakhs (including GST), due to pre-closure of the project as BRS analysis results were not encouraging”.
- j) The agency informed the committee that the Peer reviewer comments had not been assigned till date and therefore requested for the timeline extension up to 31.10.2026 for final submission of Geological Report.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for timeline extension up to 31st October 2026 for final completion of Geological report.

Agenda 37.2.8 Preliminary Exploration (G-3) for REE minerlization in Maravapaliyam Block, District- Tiruppur, Tamil Nadu

[Implementing Agency: MECL]

- a) MECL informed that the project was approved in the 37th EC Meeting held on 23rd September 2024. The Sanction Order was issued on 22nd October 2024 with timeline of 12 months (up to 21.10.2025) and approved cost was INR 1,25,17,179/-. The agency requested for approval of outsourcing of the drilling work component in the project. In the 80th TCC-I meeting committee reviewed the progress of project and advised MECL to expedite the analysis and come back again in the month of October with analysis, including the analytical values of pit samples G4 level investigation.
- b) In the 85th TCC-I Meeting agency requested for timeline extension 6 months, up-to 21.04.2026, accordingly, the committee approved the timeline extension of 6 months, up-to 21.04.2026, subject to submission of justification for delay in work to NMEDT secretariat. In 21st TCC-II meeting the TCC-II Committee did not agree to the outsourcing of the drilling component. The last time extension given to the agency was up to 30.9.2026.
- c) The agency informed the committee that they have completed geological mapping, trenching and the planned 150 m core drilling have been completed. However, only 23.60 m through 24 auger boreholes could be completed against the planned 350 m/50 boreholes due to local issues. A total of 75 trench samples, 24 auger samples and 26 core samples have been analysed, while external check samples are still under analysis. The exploration results indicate significant ΣTREE enrichment in both trench and auger samples. In the 75 trench samples, ΣTREE ranges from 102.35 to 2,088.36 ppm, with an overall average of 824.49 ppm, while W ranges from 3.29 to 568.50 ppm, averaging 90.61 ppm. The highest average ΣTREE among the trenches is 1,117.82 ppm in TR-2, followed by 914.41 ppm in TR-3. Based on geological mapping, trenching and auger results, two core boreholes were drilled. Borehole MMR-01 intersected two lodes: L-2, from 28.80–29.80 m with 1.00 m thickness, grading 1,146.77 ppm ΣTREE and 206.69 ppm W, and L-1, from 75.65–78.45 m with 2.80 m thickness, grading 1,454.88 ppm ΣTREE



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and 229.54 ppm W. At a 1,000 ppm Σ TREE cut-off, the reported total resource is 85,350.88 tonnes, with an average grade of 1,405.29 ppm Σ TREE and 225.86 ppm W.

- d) The agency requested for the Peer review and timeline extension up to 31st October 2026 for final submission of Geological report.
- e) The committee based on the above observations recommended for the timeline extension up to 31st October 2026 for final submission of Geological report including Peer review of the report.

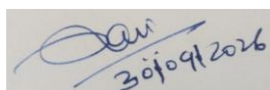
Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 31st October 2026 for final completion of Geological report.

Agenda 37.2.9 Preliminary Exploration (G3) for Vanadium, Graphite, Barium and other associated minerals in Chaura-Maunkanda Block, Champawat District, Uttarakhand

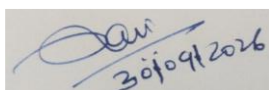
[Implementing Agency: M/s Ocean Drilling and Exploration Private Limited]

- f) The proposed Preliminary Exploration block, covering an area of 3.59 sq. km, falls under Survey of India Toposheet Nos. 62C/3 and 530/15 and is located in Champawat District, Uttarakhand. In-principle approval for the proposal was accorded in the 12th TCC-II meeting held on 22nd, 25th, 26th and 27th August 2025.
- g) Subsequently, the project was recommended in the 14th TCC-II meeting held on 7th and 8th October 2025 and placed before the 2nd PSC meeting held on 4th November 2025. However, the PSC deferred the proposal as, based on the manpower details furnished by QCI-NABET, the agency had only two geologists and one TAE. Considering the requirement of two geologists per project, the agency could undertake only one project at a time. Since one project was already ongoing, the agency did not have adequate manpower to undertake the proposed project. The project was subsequently recommended in the 20th TCC meeting held on 2nd and 5th January 2026 and was approved in the 4th PSC meeting held on 13th January 2026 with approved cost ₹ 75.66 Lakhs and sanctioned date 2.2.2026. The approved project has a total time schedule of 15 months with completion date 1.5.2027 for completion of the exploration work and submission of the final report. The TCC-II advised geological mapping on 1:4000 scale along with topographical survey, Trenching, sampling, chemical analysis and geophysical survey (Self Potential, 20-line km) in 1st Phase of the project. However, commencement of drilling and beneficiation studies will be decided after review.
- h) The agency informed the committee that it has completed geological mapping, topography survey, completed 120 m trenching out of 200 m approved quantum, WD-XRF analysis. The agency informed the committee about the WD-XRF analysis results of 20 Trench samples with values of V (194.71-2726) ppm barium in the range (1119.86-5483) ppm. Proximate analysis of 60 samples has resulted in avg.



FC value 1.48 %. The agency informed the committee they have mapped 6 bands of carbon phyllite. The agency further informed that they have completed SP survey of 12 L km. The agency requested for the approval of initiation of boreholes throughout the mapped bands.

- i) In the 36th TCC-II meeting the committee agreed for the drilling in 5 boreholes based on the integrated geological and geophysical results and advised the agency to come up with outcrop map with channel and trench samples values plotted and prepare a final interpreted geological map in next review and show the results of drilled boreholes.
- j) In the current meeting the agency informed the committee that the Phase-I work included 1:4000-scale detailed geological mapping, DGPS and topographic survey, 120 m³ of trenching, 12 line-km of Self Potential (SP) survey, and chemical analysis of BRS, channel and trench samples. The block is mainly underlain by the Gumalikheth Formation of the Almora Group, comprising buff, grey and carbonaceous phyllite with associated quartz-mica schist and quartzite; the lithological units generally trend NW–SE and dip towards NE that the exploration results indicate significant vanadium and barium enrichment associated with carbonaceous phyllite.
- k) The agency further informed the committee that in 20 BRS samples, V₂O₅ ranges from 352.55 to 6,397 ppm with an average of 2,965.70 ppm, while V ranges from 197.51 to 3,583.86 ppm with an average of 1,661.46 ppm; Ba ranges from 1,227.10 to 16,024.81 ppm with an average of 6,074.21 ppm. Sixteen BRS samples contain V₂O₅ above 1,500 ppm, while 15 samples contain Ba above 4,000 ppm. Graphite analysis of the BRS samples shows fixed carbon ranging from 0.05% to 15.30%, averaging 4.18%. The SP survey recorded strong negative anomalies, particularly over the central and southern parts of the block, which the report correlates with conductive carbonaceous phyllite containing disseminated graphite and minor sulphides. The agency proposed Phase-II programme with 26 boreholes totalling 3,100 m, with drilling generally at 200 m spacing and planned borehole depths of about 90–150 m.
- l) The committee after observation advised the agency to leave eastern part of the block due to discontinuity of band and difficulty in terrain conditions. Further, the committee allotted first level 5 boreholes in northern band, 5 boreholes on southern band and 7 boreholes in the central band with a spacing of 200 m between the boreholes with vertical depth targeting 30 m. The committee also accorded 3 second level boreholes targeting 60 m vertical depth. The committee recommended total drilling quantum of 2500 m. The committee agreed for initiation of drilling in 5 boreholes based on the integrated geological and geophysical results as suggested in 36th TCC-II meeting and come up with the results.
- m) The committee informed that the approved drilling quantum is tentative and subject to results of initial boreholes. The RL has to be maintained considering the topography of the area.
- n) The committee based on the recommendations of 20th TCC-II meeting, modify the cost sheet by including the area mapping component, drilling component with analysis and applying the multiplication factor in the components where it was not given.



Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “revised cost of ₹ 786.80/- lakhs (including GST) (1st Phase & 2nd Phase) against the approved cost of ₹75.66/- lakhs (including GST) (1st Phase), due to cost revision as per multiplication factor for phase I components, addition of area component (1st Phase) and addition of phase-II components in the initial approved quantum. (Annexure 8)

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Annexure 8

Revised Cost Estimate for Preliminary exploration for Vanadium, Graphite, Barium and other associated minerals in Chaura Maunkanda block, Champawat district of Uttarakhand. Area: 3.59 sq.km, Scale:4,000(Schedule timeline: 15 months, Drilling: 2500; 20 BHs. (17: First level (30 m vertical depth); 3: Second level (60 m vertical); Review: After 06 & 12 Months

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC (2025-26)		Estimated Cost of the Proposal					Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Approved Estimated Cost of the Proposal	Revised Quantum	Revised Cost (Rs) (a*b)	Cost after applying Hilly terrain of Himalaya region (Total amount X 2)	
A	Geological Mapping Other Geological Work & Surveying (Phase-I): Approved									
1	Detailed mapping (1:4000)	per sq. km.	1.1	28,600	0	0	3.59	102674	102674	
	Charges for Geologist per day (Field) for geological mapping, drilling work, core logging & sample marking	day	1.2.1a	14,500	80	11,60,000	80	11,60,000	23,20,000	
	Labours Charges; Base rate	day	5.8	541	160	86,560	160	86,560	1,73,120	Amount will be reimbursed as per the notified rates by the

										Central Labour Commissioner or respective State Govt. whichever is higher.
	Charges for Geologist per day (HQ)	day	1.2.1a	10,500	30	3,15,000	30	3,15,000	3,15,000	
2	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	27	2,11,950	27	2,11,950	4,23,900	
	Labours (4 Nos)	day	5.8	541	108	58,428	108	58,428	1,16,856	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	Sub Total- A					18,31,938		19,34,612	34,51,550	
B	Survey work									
1	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	4	96,000	4	96000	192000	4 Boundary points
2	Charges of Surveyor (1 party) for topographic mapping in 1:4000 scale and contouring at 5m interval	one surveyor per day	1.3.1	10,500	60	6,30,000	60	630000	1260000	
3	Labours Charges for survey work (4 labourers)	day	5.8	541	240	1,29,840	240	129840	259680	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner

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										or respective State Govt. whichever is higher.
	Sub-Total B					8,55,840		8,55,840	17,11,680	
C	Trenching									
	Excavation of trenches up to 2.0m depth	per cu. m	2.1.1	4125	200	825000	200	825000	1650000	
	Sub Total- C					825000		825000	1650000	
D	Ground Geophysical Survey									
1	Self-potential (hilly terrain)	8-20 l km	3.3a	1,55,350	12	18,64,200	12	18,64,200	18,64,200	
	Sub Total D					18,64,200		18,64,200	18,64,200	
E	LABORATORY STUDIES									
1	Chemical Analysis									
i)	Primary samples									
	a. BRS/Channel sample by WD-XRF	Nos	4.1.17a	4,200	80	3,36,000	80	3,36,000		a. 10 nos. BRS samples and 20 nos. of channel samples & 50 nos. of trench samples & 50 nos. of trench b. elements V, Ba, Ga, Mo, U, Co, Cu, Pb, Zn, Y
	b. Check samples (10%)	Nos	4.1.17a	4,200	8	33,600	8	33,600		
	a. Trench samples: Graphite proximate analysis	Nos	4.1.18	3,614	80	2,89,120	80	2,89,120		a. 20 nos. BRS samples b. 60 nos. of trench
	b. Check samples (10%)	Nos	4.1.18	3,614	8	28,912	8	28,912		
ii)	ICPMS	Nos	4.1.15	7,400	20	1,48,000	20	1,48,000		

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	Sub Total E					8,35,632		8,35,632	8,35,632	
F	XRD analysis for identification of minerals (Random)	Nos	4.5.2	4,000	10	40,000	10	40,000		
	Physical & Petrological Studies								-	
i	Preparation of thin section	Nos	4.3.1	500	10	5,000	10	5,000		
ii	Preparation of polished section	Nos	4.3.2	800	10	8,000	10	8,000		
iii	Complete petrographic/ore microscopic study//mineragraphic report of rock samples (along with 5 nos. digital photo micrograph)	Nos	4.3.4	2,800	10	28,000	10	28,000		
iv	Raman Spectrometry (graphite crystallinity)	hrs	4.5.1	2,700	5	13,500	5	13,500		
v	EPMA	hrs	4.4.1	10,500	10	1,05,000	10	1,05,000		
	Sub Total- F					1,99,500		1,99,500	1,99,500	
PHASE-II										
G										
	a. Charges for Geologist per day (Field) drilling work, core logging & sample marking	day	1.2.1a	14,500	-		90	13,05,000	26,10,000	
	b. Labours Charges; Base rate	day	5.8	556	-		180	1,00,080	2,00,160	
	c. Charges for Geologist per day (HQ)	day	1.2.1a	10,500	-		15	1,57,500	1,57,500	
	a. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	-		128	10,04,800	20,09,600	

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	b. Labours (4 Nos)	day	5.8	556	-		512	2,84,672	5,69,344	
	Sub Total- G							28,52,052	55,46,604	
H	Survey work									
1	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	-		20	480000	960000	20 nos. of BH
	Sub-Total H							480000	960000	
I	MINERAL INVESTIGATION (DRILLING)									
2	Core Drilling	m	2.2.1.1d	8,000	-		2,500	20000000	4,00,00,000	The quantum of drilling maybe revised after establishing geological continuity of Vanadium & graphite bands in first few boreholes.
5	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	-		20	600000	600000	
6	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2000	-		20	40000	80,000	
7	Borehole plugging by cement	Lumpsum per borehole	2.2.8	10000	-		20	200000	4,00,000	
8	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road)	Lumpsum	2.2.9				For Drilling cost more than 2 Crore : 10% of the Drilling	25,00,000	25,00,000	

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							Cost with a maximum ceiling of ₹ 25 lakh.			
9	Drill Core Preservation	per m	5.3	1,590	-		625	9,93,750	9,93,750	
	Sub-Total I							2,43,33,750	4,45,73,750	
J	LABORATORY STUDIES									
1	Chemical Analysis									
i)	Core samples									
	a. Core sample by ICPMS	Nos	4.1.15	7400	-		25	1,85,000		
	b. Check samples (10%)	Nos	4.1.15	7400	-		3	22,200		
iii)	Core samples									
	a. Core sample by XRF	Nos	4.1.17a	4,200	-		500	21,00,000		
	b. Check samples (10%)	Nos	4.1.17a	4,200	-		50	2,10,000		
iv)	a. Graphite Proximate Analysis	Nos	4.1.18	3,614	-		500	18,07,000		
	b. Check samples Internal (10%)	Nos	4.1.18	3,614	-		50	1,80,700		
2	Petro Chemical Samples									
3	XRD analysis for identification of minerals (Random)	Nos	4.5.2	4,000	-		10	40,000		
4	Physical & Petrological Studies									
i	Preparation of thin section	Nos	4.3.1	500	-		5	2,500		
iii	Preparation of polished section	Nos	4.3.2	800	-		5	4,000		

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iv	Complete petrographic/ore microscopic study//mineragraphic report of rock samples (along with 5 nos. digital photo micrograph)	Nos	4.3.4	2,800	-		10	28,000		
v	Raman Spectrometry (graphite crystallinity)	hrs	4.5.1	2,700	-		5	13,500		
5	Bulk density – Dry / Saturated	Nos	4.8.3	2,500	-		5	12,500		
	Sub Total J							46,05,400	46,05,400	
	Total A to J					64,12,110		3,87,85,986	6,53,98,316	
K	Geological Report Preparation	5 Hard copies with a soft copy	5.2 (iii)				Total cost of the project exceeding ₹150 lakh ₹7.5 lakh		7,50,000	Reimbursement will be made after submission of the final Geological Report and the soft copy to NMEDT.
L	Peer review Charges		As per EC decision						30,000	
M	Preparation of Exploration Proposal		5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less					5,00,000	EA will be reimbursed after submission of the soft copy of the final proposal along

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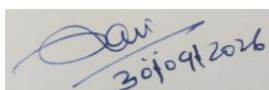
										with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.
N	Total Estimated Cost without GST								6,66,78,316	
O	Provision for GST (18% of N)					11,54,180			1,20,02,097	GST will be reimbursed as per actual and as per notified prescribed rate
P	Total Estimated Cost with GST					75,66,290			7,86,80,413	
				or Say Rs. In Lakhs	75.66				786.80	
Note:										
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.									
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.									
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In case of execution of the project by 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.									
*	SoC Item No, Unit and Rate for each item of work must be as mentioned in the SoC.									

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Agenda 37.2.10 Preliminary Exploration (G3) for Graphite and associated minerals in Jarapa Block, District: Rayagada, Odisha
[Implementing Agency: M/s Eartnenviro Lab Private Limited]

- a) The agency informed the committee that the project was approved in the 3rd PSC Meeting held on 15th December, 2025. The sanction order was issued on 8th January, 2026 with timeline of 12 months (up to 7th January 2027) and approved cost was INR 2,57,61,509/-.
- b) The agency apprised the committee that detailed geological mapping (1:4,000 scale) was completed, delineating lithological units and structural features, and 25 BRS and 13 channel samples were collected and chemically analysed. The agency informed that detailed mapping delineated three major graphite bands and one local graphite band, with strike lengths ranging from approximately 21 m to 400 m and widths of 8–20 m. To evaluate the depth continuity and grade of the mineralization, the proposal envisages drilling eight boreholes at 200 m spacing across the identified graphite bands.
- c) The proposal also includes Self Potential (SP) geophysical surveys covering approximately 11 line km to trace the lateral continuity of the graphite-bearing horizons. Chemical analysis of 26 BRS and 13 channel yielded graphite mineralization, with Fixed Carbon (FC) values ranging from 2.75–10.66% and 1.64–8.59%, respectively. The agency further informed that the forest clearance proposal has been submitted through the PARIVESH 2.0 portal and is under processing. Compliance to the Essential Details Sought (EDS) will be submitted after approval of the proposed boreholes and geophysical survey. The proposal sought approval for geophysical survey (13 line km SP and magnetic survey), followed by pitting, trenching, and phased drilling of 15 boreholes (900 m) to delineate and evaluate graphite mineralization.
- d) The Committee reviewed the progress of work and advised the agency to complete the geophysical survey, pitting, and trenching, and present the findings before the Committee for further review. The TCC-I committee in its 101st meeting suggested the agency to complete the geophysical survey, pitting, and trenching, and present the findings before the Committee for further review.
- e) The agency informed the committee that the geological investigation has delineated three major graphite bands, generally trending NW–SE to NE–SW/N–S and dipping towards the east. The graphite mineralisation is described as lithologically and structurally controlled, occurring mainly within the foliation planes of khondalite and along the contact zones between khondalite and granite gneiss, as bands, pockets, lenses and disseminations. The host rocks belong to the Eastern Ghats Super Group, comprising khondalite, charnockite, granite gneiss, pegmatite and quartzite. The khondalite is the predominant lithology,



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while structural studies indicate multiple generations of folding, faulting and strong deformation/mylonitisation.

- f) The agency further informed the committee that during Phase-I, 3.5 sq. km of topographical and geological mapping and DGPS boundary survey were completed. An 11 line-km SP survey was carried out against the planned 15 line-km, with 4 line-km remaining incomplete due to water logging. Twenty-five BRS samples were analysed for graphite proximate analysis, while 13 trench/channel samples were analysed. The BRS samples show fixed carbon (FC) ranging from - 2.75% to 10.66%, while the channel samples show FC values ranging from 1.64% to 8.59%. The agency requested approval for the 13 boreholes in two phases, involving approximately 900 m of drilling based on the integration results.
- g) The committee based on the above observations and integration of geology and geophysical results agree for 4 BHs, (1st level, 30 m VD), 2 in eastern Band, 1 each in western bands. The committee advised the agency to come up with the results of these boreholes.

Recommendations of TCC-II

The committee agree for 4 BHs, (1st level, 30 m VD), 2 in eastern Band, 1 each in western bands. The committee advised the agency to come up with the results of these boreholes in the upcoming TCC meeting.

Agenda 37.2.11 Preliminary Exploration (G-3) of Ion-Adsorption and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block, East Khasi and West Jaintia Hills districts, Meghalaya.

[Implementing Agency: DMR Meghalaya]

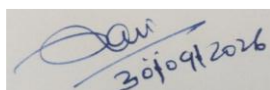
Recommendations of TCC-II

The committee deferred the project for next TCC-II meeting as no representative was present in the meeting.

Agenda 37.2.12 Reconnaissance Survey (G4) for Iron ore in Mahakoshal Group around Chakdiya-Kushniaya-Jorba and Tusgaon Area, Sonbhadra District, Uttar Pradesh

[Implementing Agency: M/s GeoExpore Pvt. Ltd]

- a) The project was recommended in 61st TCC meeting held on 30th & 31st January, 2024 and 07th February, 2024 and approved in 33rd EC meeting held on 19th February, 2024, for scheduled timeline of 9 months up to 27th November, 2024. Sanction order was issued on 28th February, 2024, with an approved cost of ₹ 95.41/- lakhs (Including 29 GST). The project was reviewed during 3rd TCC-II held on 5th and 6th December, 2024, where in the TCC-II



recommended the revised cost of the project amounting to ₹110.54/- Lakh (including GST) & timeline extension of 6 months up to 26th May 2025. In 4th meeting of TCC-II held on 26th and 27th December, 2024, again, the TCC-II recommended the revised cost of the project amounting to ₹195.44/- Lakh (including GST) due to additional drilling. In the 39th EC meeting held on 24th January, 2025, the committee approved the recommendation of 3rd & 4th TCC-II, for revised cost of ₹195.44/- Lakh (including GST) and timeline extension of 6 months up to 26th May 2025. The agency was de-notified for the period 2.5.205 to 29.10.2025.

- b) In 42nd meeting of EC held on 2nd June, 2025, the timeline extension was accorded 6 months up to 25th November 2025. Timeline extension was approved up to 30th May, 2026, in 3rd PSC meeting held on 15th December, 2025. Timeline by 4 months, up to 30th September, 2026 was accorded IN 9th PSC meeting. The committee in 28th TCC-II meeting asked for the review of core sample results. The agency informed the committee that they had completed the approved quantum of samples and drilling and corresponding chemical analysis.
- c) The committee agreed for peer review of the final geological report in 34th TCC-II meeting. The agency informed the committee that they have incorporated the peer review comments in the Geological report and requested for the final GR submission.

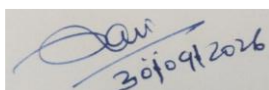
Recommendations of TCC-II

The committee agreed for the final geological report submission.

Agenda 37.2.13 Preliminary Exploration (G3) for Graphite and associated minerals in Ankli Block, Dahod District, Gujarat

[Implementing Agency: M/s GeoExpore Pvt. Ltd]

- a) The project was recommended in 85th TCC-I meeting held on 27th November and 1st & 5th December, 2025, and approved in the 3rd PSC Meeting held on 15th December, 2025. The sanction order was issued on 8th January, 2026 with scheduled timeline of 12 months up to 7th January, 2027 with an approved cost of ₹310.37/- including GST.
- b) The agency informed that, geological mapping on 1:2000 scale of 2.2 sq. km area has been completed along with collection of 75 nos. of Bed Rock Sample (BRS). Proximate analysis of all 75 BRS has also been done. Out of 75 BRS Samples given for Proximate Analysis, 71 Samples are above Cut-off Grade with average Fixed Carbon (FC) % of 9.98% (0.97% to 24.72%)/- lakhs (including GST).
- c) In 28th TCC-II meeting committee advised to the agency to prepare a revised detailed geological map of the project area incorporating comprehensive lithological data. The revised map should clearly indicate the continuity, thickness, and orientation/attitude of the graphite-bearing bands along with the associated lithological units and structural features for proper delineation of the



graphite band. The Committee also suggested excavation of a few trenches at suitable locations to ascertain the lateral and strike extension of the graphite bands. The project will be reviewed again by the TCC after one month.

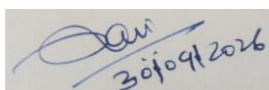
- d) In the current meeting the agency informed the committee Trenching has delineated 18 graphite bands, with individual interpreted lengths ranging from 41 m to 980 m and widths from 2 m to 22 m in the tabulated results. Several bands show relatively higher average FC, including Band 10 (6.45%), Band 21 (6.91%), Band 8 (6.43%) and Band 12 (12.34%). The project had 8-10 line-km of IP-cum-resistivity, SP and magnetic surveys. The agency requested for the initiation of drilling in the block.
- e) The committee observed that the agency has not completed the Geophysical components approved in the project. The committee advised the agency to carry out the geophysical survey, do integration of the results obtained and available data from G4 report and come for the review for borehole planning.

Recommendations of TCC-II

The committee advised the agency to carry out the geophysical survey, do integration of the results obtained and available data from G4 report and come for the review for borehole planning.

Agenda 37.2.14 Preliminary (G3) exploration for Glauconite and associated minerals in Pitupura block, Karauli District, Rajasthan [Implementing Agency: M/s GeoExpore Pvt. Ltd]

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



- c) In 32nd TCC-II the agency informed the Committee that geological mapping covering 12.8 sq. km on a 1:5,000 scale, along with pitting/trenching and sample collection, has been completed. The agency further requested a 6month extension of the project timeline due to delays in obtaining forest clearance for carrying out drilling activities within the exploration block. The Committee agreed for commencement of drilling, initially in 2 boreholes, with the requirement for further drilling to be decided after review of the results. The committee also recommended 3-month timeline extension (up to 5th October, 2026) for completion of the project.
- d) In the present meeting, the agency informed the committee that the 1:5,000-scale geological mapping of the entire 12.80 sq. km area has been completed, along with 40 pits, collection and analysis of 100 BRS and 40 pit samples. The BRS samples show K₂O ranging from <0.05% to 6.41%, with an average of 2.16%, while the pit samples show 1.87–6.55% K₂O, averaging 5.3%. Petrographic and XRD studies have further supported the presence of glauconite. XRD analysis identified a consistent quartz–mica–glauconite–chlorite assemblage in both BRS and pit samples, with glauconite reported in four analysed samples in the range of 11.77–16.35% of the crystalline assemblage.
- e) The agency informed the committee that they have received the forest permission and requested the committee for timeline extension up to 5.4.2027 for completion of drilling, initially in BH-1 and BH-2 followed by review and final submission of GR.

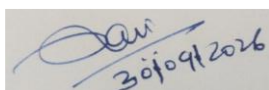
Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 5th April 2027 for completion of drilling work and final geological report submission”.

Agenda 37.2.15 Reconnaissance Survey for Bauxite and associated critical minerals in Kapadvanj block, Kheda district, Gujarat

[Implementing Agency: M/s Geo Marine Solutions Pvt. Ltd]

- a) The project was recommended in 29th TCC-II meeting held on 20th and 21st May 2026 and approved in the 9th PSC Meeting held on 3rd June, 2026. The sanction order was issued on 19.6.2026 with scheduled timeline of 10 months up to 10.4.2027, with an approved cost of ₹78.79 lakhs.
- b) This was the first review of the project and the agency informed the committee 1:12,500 geological mapping of the entire 47.5 sq. km area was completed, along with 25 cu.m of pitting against the target of 24 cu.m. The geological map indicates predominance of loamy soil and lateritic soil, with occurrences of laterite, limestone and basalt within the block. A total of 12 pits (including Pit 11A and 11B) were investigated and analysed. The pit samples show variable



concentrations of Al_2O_3 , Fe_2O_3 , SiO_2 , CaO , V_2O_5 and TiO_2 , while ICP-MS results indicate the presence of TREO, Sc, Ga and $(\text{Nb}+\text{Ta})_2\text{O}_5$ in several samples. Notable values include Al_2O_3 up to 39.91%, TiO_2 up to 8.03%, TREO up to 574.639 ppm, Sc up to 65.18 ppm, Ga up to 54.09 ppm, and $(\text{Nb}+\text{Ta})_2\text{O}_5$ up to 187.72 ppm in the analysed pit samples. Based on the surface investigation and analytical results, the agency requested for the five scout borehole locations at selected pit locations. The agency further requested for the additional quantum of 20 samples for ICPMS analysis.

- c) The committee based on the observations suggested 4 scout borehole locations at pit P1 shifted northwards, P9, P4 and P5 with an average depth of 10-20 m depending upon the intersection of Basalt or Limestone. The committee agreed for additional quantum of 20 samples for ICPMS analysis.

Recommendations of TCC-II

The committee based on the observations suggested 4 scout borehole locations at pits P1 shifted northwards, P9, P4 and P5 with an average depth of 10-20 m depending upon the intersection of Basalt or Limestone. The committee agreed for additional quantum of 20 samples for ICPMS analysis.

Agenda 37.2.16 Reconnaissance Survey (G4) for copper and associated mineralization in Salwari Narsinghpuri-Pachlagi Area, Sikar District, Rajasthan

[Implementing Agency: M/s Vardan Environet LLP]

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Agenda 37.2.17 Preliminary exploration (G-3 stage) For Bauxite and Associated Minerals in Kalar Vandh Area, Kachchh district, Gujarat.

[Implementing Agency: M/s Vardan Environet LLP]

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Agenda 37.2.18 Preliminary Exploration (G3) for Graphite and associated mineralization in Chiklar Block, Betul District, Madhya Pradesh

[Implementing Agency: M/s Vardan Environet LLP]

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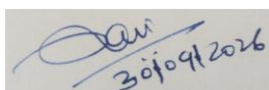
Agenda 37.2.19 Reconnaissance survey (G4) for Bauxite and associated minerals in Reladiya-Raydhanjar area, Kachchh district, Gujarat

[Implementing Agency: M/s Vardan Environet LLP]

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Agenda 37.2.20 Preliminary Exploration (G3) for Limestone in Bara Khurd Block, District: Maihar, Madhya Pradesh

[Implementing Agency: M/s MMPL Private Limited]



Agenda 37.2.21 Reconnaissance Survey (G-4) For Graphite in Gokhra area, (Cluster 16) (72 sq.km), District: Kalahandi, Odisha
[Implementing Agency: CMPDIL]

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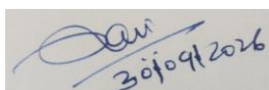
Agenda 37.2.22 Reconnaissance Survey (G-4) For Copper in Jiawan Area (45 sq. km), District: Singrauli, State: Madhya Pradesh
[Implementing Agency: CMPDIL]

Recommendation

The committee deferred the agendas from 37.2.16 to agenda 37.2.22 for next TCC II meeting for review.

Agenda 37.2.23 Reconnaissance Survey (G-4) for REE in Jeerawal (W) - Rohua area, district Sirohi, Rajasthan
[Implementing Agency: FAGMIL]

- a) The project was recommended in 11th TCC-II meeting held on 23rd, 24th & 25th July 2025 and 30th July 2025 and approved in the 1st PSC Meeting held on 9th October, 2025. The sanction order was issued on 10.11.2025 with scheduled timeline of 10 months up to 9.9.2026, with an approved cost of ₹ 58.74 lakhs.
- b) The agency informed the committee that exploration work includes geological and topographic mapping of the entire 48.6 sq. km, 20 cu.m of pitting/trenching, and collection of 150 BRS and pit samples. Analytical work includes ICP-MS (76/150 samples, with results awaited for another 70 samples), XRF (30/30), XRD (5/10), and petrographic studies (3/10). The geology is dominated by the Erinpura Granite, comprising coarse-, medium- and fine-grained granite, biotite granite and sheared granite, with associated felsic and mafic dykes, basalt, quartz and pegmatite veins. NE-SW and NW-SE trending steep to vertical joints are present. The coexistence of felsic and mafic enclaves is reported as evidence of magma mixing and mingling. The available ICP-MS results show variable REE and associated trace-element concentrations. In the 76 analysed samples, TREE+(Y+Sc) values shown in the presentation range from about 60 ppm to 1,038 ppm, with several samples exceeding 500 ppm; sample JW-88 records 1,037.80 ppm TREE+(Y+Sc). The trace-element dataset shows, among others, Li 6.90–87.07 ppm, Be 1.60–11.50 ppm, Ga 7.50–38.00 ppm, Rb 156.30–529.00 ppm, Nb 4.80–25.60 ppm, Sn 0.52–86.50 ppm, Ta 0.51–16.63 ppm, W 0.62–29.30 ppm, Th 2.13–77.04 ppm and U 2.03–19.77 ppm.
- c) The agency requested the committee for 3 months timeline extension to complete the remaining exploration work and final geological report submission.
- d) The committee agreed to the agency request and recommended timeline extension up to 9.12.2026 for completion of remaining exploration work and submission of geological report.



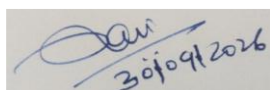
Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 9th December 2026 for completion of remaining exploration work and submission of geological report.”

Agenda 37.2.24 Preliminary Exploration (G3) for Potash mineralization in Kalu Block, Bikaner District, Rajasthan

[Implementing Agency: FAGMIL]

- a) The project was recommended during the 12th Meeting of TCC-II, held on 22nd, 25th, 26th & 27th August, 2025, and was subsequently approved in the 1st PSC Meeting held on 9th October, 2025. The Sanction Order was issued on 10/11/2025, approving the project at a cost of ₹416.83/- lakhs (including GST) with a scheduled duration of 10 months, up to 9/9/2026.
- b) FAGMIL informed the Committee that geological mapping covering 20.3 sq. km on a 1:12,500 scale and 1580 m of drilling in 3 boreholes (KBH-01 – 650m, KBH-02 – 650m and KBH-03 – 280m) have been completed. Chemical analysis of 75 samples had been received and analysis of another 100 samples are in progress and up to 3.3% K values had been obtained from core samples of KBH-02.
- c) In the 32nd TCC-II meeting the agency requested increase in the approved drilling quantum to intersect the mineralized Halite cycles present within the block. The committee recommended an additional 720 m of drilling quantum across all 4 boreholes (@ 180 m each) up to depth of 830 m or to the top of Jodhpur Formation whichever is earlier. The committee advised that drilling must be terminated upon encountering the Jodhpur Formation. The Committee further advised the agency to consult the GSI for guidance on the drilling programme.
- d) The agency informed the committee that Exploration includes 1:12,500-scale geological mapping, DGPS survey and drilling of four boreholes: KBH-01 (652 m), KBH-02 (771 m), KBH-03 (810 m) and KBH-04 (810 m), with geophysical logging completed in three boreholes. Thus, 3,043 m of drilling has been completed. Chemical analysis results for 75 samples have been received, while another 150 samples are under analysis.
- e) The agency requested for timeline extension of three months up to 31.12.2026 for completion of remaining work and submission of geological report.
- f) The committee observed that the borehole KBH-01 had not been completed fully therefore asked the agency to submit the justification in this regard and prepare the correlation data of the drilled boreholes and the analysis results and show before the committee in the upcoming TCC meeting.
- g) The committee based on the above observations recommended the timeline extension up to 31.12.2026 for completion of the project and submission of geological report.



Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 31st December 2026 for completion of remaining exploration work and submission of geological report.”

Agenda 37.2.25 Preliminary exploration (G3) for Graphite in the Patra graphite block, Jhabua district, Madhya Pradesh.

[Implementing Agency: MPSMC]

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Agenda 37.2.26 Preliminary exploration (G3) for PGE and Associated mineral in Mordongri-Jamtara Block in Chhindwara district, Madhya Pradesh

[Implementing Agency: MPSMC]

Recommendations of TCC-II

The committee deferred the agendas 37.2.25 and 37.2.26 to upcoming TCC-II meeting.

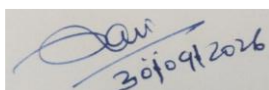
Agenda 37.2.27 Reconnaissance survey (G4) for Phosphorite in Bijawar-Imiliya block, Chhattarpur district, Madhya Pradesh

[Implementing Agency: MPSMC]

- a) The project was recommended in 57th meeting of TCC held on 26th & 27th September, 2023 held and approved in 32nd EC meeting held on 6th December 2023. Sanction order was issued on 12th December 2023 with approved cost of ₹126.86 Lakh with timeline of 12 months up to 11th December 2024. Timeline extension of 6 months up to 11th June 2025 was approved in 41st EC meeting held on 11th March 2025.
- b) The Committee recommended for approval of the PSC for pre closure of the project and submission of the final Geological Report (GR). Approval was given in 4th PSC for timeline extension up to 10.02.2026. Approval of revised cost from ₹126.86 lakh to ₹28.87 lakh due to pre-closure was also accorded in 4th PSC meeting.
- c) The agency informed the committee about the same and requested for peer review of the completed geological report and timeline extension up to 31st October 2026 for final submission of Geological report.

Recommendations of TCC-II

The Committee recommended the proposal for approval of PSC for “timeline extension up to 31st December 2026 for peer review and final submission of geological report.”



Agenda 37.3 Project Evaluation for in-Principle Approval

Agenda 37.3.1 Reconnaissance Survey (G4) for REE and Base metal in Arjunpur area, Balangir, Boudh & Subarnapur Districts, Odisha

ID: ME/IN/G4/OD/P/26-27/253

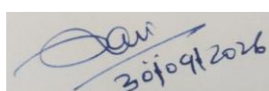
Area: 61.40 sq. km

[Implementing Agency: M/s MMPL Private Limited]

- a) The proposed area of 61.40 sq. km for reconnaissance survey falls in Survey of India Toposheets no. 64P/10 and 64P/11, in Balangir, Boudh & Subarnapur Districts, Odisha.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	1. The proposed block is overlapping with REE and basemetal, RMT exploration block (FS 2022-24) of GSI but it is not lying in any of the potential blocks demarcated for REE and basemetal by the project. 2. Though NGCM stream sediment samples within the area have yielded REE values of maximum 1583 ppm, subsequent bed rock sample collection from the area during RMT project did not yield encouraging results. The analysis values for basemetal (Pb, Cu and Ni) was also not encouraging. 3. No Composite License or Mining Lease, either for major or minor minerals, exists within the proposed block.
2	AMD	1. AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. 2. There is no ongoing exploration / reconnaissance project. 3. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	The proposed block by M/s MMPL Private Limited has no overlapping with the ongoing or completed blocks of MECL.
4	DGM	CO-22 (Balangir)- Preliminary Investigation in the district of Bolangir & Sambalpur The proposed area has been partially covered during F.S 1960-61 through geological mapping on 1:63,360 scale. The proposed area is covered by Granite gneiss with charnokite intrusion, Quartzite and Alluvium. The Tel River passes through the block. However, on examination of the group plan, it is observed that the proposed area does not overlap with any other block.
5	NMEDT	No NMEDT funded blocks are found to overlap with the proposed block.

- c) The agency informed the committee The anomalous REE zones are mainly associated with porphyritic granite gneiss containing profuse quartz–pegmatite veins. The NE–SW trending Tel River Shear Zone passes through the eastern part of the regional area



and is considered an important structural control, with associated brecciation and silicification of quartz veins. Previous investigations have also reported galena/base-metal mineralisation associated with quartz veins near the Tel River Shear Zone.

- d) The regional geochemical data indicate significant REE potential. Out of 125 stream-sediment samples, 37 samples recorded TREE values above 1,000 ppm, with the LREE and TREE anomalies broadly corresponding with areas of exposed granite gneiss and pegmatites. BRS samples also show significant REE enrichment, with the displayed TREE values ranging from 1,082.72 to 4,322.83 ppm, the highest being 4,322.83 ppm in sample L-703. Other notable values include 2,923.69 ppm in L-795, 2,497.94 ppm in L-741 and 2,308.16 ppm in L-735.
- e) The committee observed that the available geological, structural, alteration and geochemical information indicate REE and base-metal mineral potential in the Arjunpur Block. However, the existing data do not yet establish the continuity, geometry, depth persistence or areal extent of the mineralisation.
- f) Based on the above observations the committee accorded in-principle approval and advise the agency to collect the samples (4-5) from the field from different variants of the lithologies, collect structural data, integrate available Geophysical, Geochemical and Geological data and come up with DPR with all this information.

Recommendations of TCC-II

The Committee accorded in principle approval to the proposal. It advised the agency to submit DPR within 2 months.

Agenda 37.3.2 Preliminary exploration (G3) for Bauxite, Aluminous laterite and Associate minerals in Chakar block, Satna District, Madhya Pradesh

ID: ME/IN/G3/MP/P/26-27/249

Area: 5.72 sq. km

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

- a) The proposed area of 5.72 sq. km for preliminary exploration falls in Survey of India Toposheets no. 63D/09 in Satna District, Madhya Pradesh.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	1) Details of past Reconnaissance/Exploration work carried out by your Organization in the proposed area (with summary sheet and all relevant details). 1a. "Exploration for Diamond in the Panna Diamond Belt, Madhya Pradesh. Phase-I" FS 1980-85 1b). Reconnaissance Survey for aluminous laterite/Bauxite and associated mineralization in Mewa-Chakar-Bareta-Turra areas, Satna District, Madhya Pradesh. FS-2024-25 2) Details of ongoing exploration/reconnaissance projects related to commodities mentioned in the proposal and any other mineral/commodity in the proposed area, if any: NA

		3) Based on the past baseline/exploration data, whether the proposed area is feasible for taking up the exploration (for the above mentioned commodities) in the proposed area. 3a. Reconnaissance Survey for aluminous laterite/Bauxite and associated mineralization in Mewa-Chakar-Bareta-Turra areas, Satna District, Madhya Pradesh. FS-2024-25 Geologically, the area forms part of the Govindgarh Formation of Rewa Group (Vindhyan Supergroup), which is predominantly composed of fine to medium grained sandstone. Laterite is developed extensively as cappings over hillocks and as unconsolidated lateritic soils in the plains and slope areas. Field studies have confirmed the presence of aluminous laterite and bauxite mainly around the Chakar and Digari areas, where the laterite cap hosts pisolitic, concretionary, and massive bauxite varieties. Among these, the Digari hill exhibits the most well-developed and enriched bauxitic profile. Based on the analytical and IBM classification results, the study area hosts Metallurgical Grade Bauxite (MGB) around Lalpur, High Silica Bauxite (HSB) in Chakar and Digari, and aluminous/ferruginous laterite and lateritic soils distributed widely across Mewa, Umardari, Lotani, and Athabari. The area is having similar lithological set up as earlier explored block therefore proposed area may be feasible for taking up the further exploration activities.
2	AMD	1. AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. 2. There is no ongoing exploration / reconnaissance project. 3. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	The proposed block by M/s PRB Infraprojects Private Limited has no overlapping with the ongoing or completed blocks of MECL.
4	DGM	Not available
5	NMEDT	NMEDT funded blocks are not present with in the proposed block, as per the NGDR Portal. However, <i>Reconnaissance Survey (G4) for Glauconitic Sandstone is being carried out in the Kelhura Block (56.88 sq. km), Satna District, Madhya Pradesh, by MECL, approximately 3 km away from the proposed block.</i>

- c) The agency informed the committee that the mineral potential of the area is based primarily on GSI investigations. The geology comprises sandstone of the Govindgarh Formation of the Rewa Group, Vindhyan Supergroup, overlain by laterite and aluminous laterite/bauxite. During GSI's G4 investigation in FS 2024-25, aluminous laterite and bauxite were confirmed particularly around Chakar, Digari and Lalpur, occurring as pisolitic, concretionary and massive varieties

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within lateritic caps. Bedrock samples recorded Al_2O_3 values up to about 54.70%. Laterite/bauxite capping over hilltops and ridges around Chakar, Digari, Lalpur, Bareta and Umardari, together with aluminium-hydroxide anomalies identified from ASTER remote sensing.

- d) The committee observed that small laterite cover patches of about 100-200 m dimensions area were present whose area of influence was difficult to maintain for drilling purpose. The available information was limited and was not sufficient for justification of proposal. Therefore, the committee did not accord in-principle approval.

Recommendations of TCC-II

The Committee did not accord in principle approval to the proposal.

Agenda 37.3.3 Preliminary Exploration (G3) of REE and other Associated rare metals Blocks in Sitwa Junrormin villages, Koderma district, Jharkhand.

ID: ME/IN/G3/JH/P/26-27/208

Area: 2.37 sq. km

[Implementing Agency: M/s Indian Mine Planners and Consultant]

- a) The proposed area of 2.37 sq. km for preliminary exploration falls in Survey of India Toposheets no. 72H/11 in Koderma district, Jharkhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	1. The area has been mapped by Smt. Sulochna Sahoo et al. in FS 2022-23 on G4 Stage. The authors have carved out / recommended four zones for further investigation, out of which the proposed NMET block coincides with zone I of the report by Sahoo et al, (GSI). 2. Nine BRS samples and two PCS samples were collected from the zone representing different lithology namely, foliated granite, migmatite gneiss and PCS sample from Alkali granite. Out of these, two BRS samples from foliated granite and migmatite gneiss have yielded values above 2000 ppm and one value above 1000 ppm. It appears that this proposal has been made based on these three samples only. 3. As per the report of GSI, the block has good outcrop density but the values are from different lithologies. Apparently, the control of structures like shear zones cannot be ruled out. 4. One of the samples has been collected in the vicinity of Dhojadhari Temple, which is a prohibited area for detailed investigation purposes. Even to the north, the Phulwariya area is fairly well populated, which can pose a constraint. 5. Based on three values only, it is not clear whether the search at G3 stage is for primary mineralization within country

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		rock or secondary mineralization i.e. within the soil / regolith or overburden cover. The strategy of investigation at G3 stage for resource augmentation will heavily depend on this and on typical REE phases available. The approach to investigation should be based on the standard practices that need to be ascertained. 6. Apropos, a suitable decision may be taken on the merit of the proposal. GSI, Ranchi is not implementing any item in the toposheet however, based on this G4 investigation, it may plan in the near future.
2	AMD	1. AMD has carried out reconnaissance exploration (G4 stage) for uranium in and around the proposed block. No significant surface radioactive zone was delineated. 2. There is no ongoing exploration / reconnaissance project. 3. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	The proposed block by M/s Indian Mine Planners & Consultants has no overlapping with the ongoing or completed blocks of MECL.
4	NMEDT	1. The proposed block falls within the Koderma Wildlife Sanctuary (WLS). 2. There is no overlapping with the NMEDT Funded projects.
5	DGM	Not available

- c) The committee did not accord in-principle approval due to overlap with the wildlife sanctuary.

Recommendations of TCC-II

The Committee did not accord in principle approval to the proposal due to overlap with the wildlife sanctuary.

Agenda 37.3.4 Preliminary Exploration (G3) for REE and RM at Ratwe-Kander Block, Ramgarh and Bokaro Districts, Jharkhand.

ID: ME/IN/G3/JH/P/26-27/239

Area: 6.71 Sq. Km.

[Implementing Agency: M/s. Sathi Planners Private Limited]

- a) The proposed area of 6.71 sq. km for preliminary exploration falls in Survey of India Toposheets no. 73E/10 in Ramgarh and Bokaro Districts, Jharkhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	GSI, SU: Jharkhand carried out G4 item titled" RECONNAISSANCE SURVEY FOR REE AND RARE METALS IN AND AROUND KANDER-

		KANKEBAR AREA, BOKARO AND RAMGARH DISTRICTS OF JHARKHAND (G4)” during FS 2024-25 (indicated in black polygon). Based on its results, GSI has carved out a G3 block which has been approved for implementation in FS 2027-28.
2	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. There is no ongoing exploration / reconnaissance project. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	The proposed block by M/s. Sathi Planners Private Limited has no overlapping with the ongoing or completed blocks of MECL.
4	DGM	Not available
5	NMEDT	There is no NMEDT-funded project within or around the proposed block. Proposed Block (App. 48%) falls in Recorded Forest area.

- c) The agency informed the committee that the block had been selected primarily on the basis of the GSI G4 investigation for 2024–25 in the Kander-Kankebar area. Within the selected RPA-3, which trends NE–SW over approximately 3.8 km × 1.8 km, the geology is dominated by porphyritic granite and granite gneiss with associated pegmatite veins. GSI interpreted REE mineralisation as predominantly lithology- and structure-controlled, particularly associated with fresh and sheared felsic rocks. Fifteen BRS samples from RPA-3 recorded total REE of 29–1488 ppm (average 916 ppm), while four PCS samples recorded 911–1419 ppm (average 1220 ppm). More significant results were obtained from four channel samples of sheared porphyritic granite, collected at 1-m intervals, which returned 999–1488 ppm total REE, averaging 1245 ppm.
- d) The committee observed that the proposed block is overlapping with IPR approved GSI G3 project for FS 2027-28 for the same commodity. Therefore, the committee did not accord the in-principle approval to the project.

Recommendations of TCC-II

The committee did not accord in principle approval to the proposal due to overlap with GSI work.

Agenda 37.3.5 Preliminary Exploration (G3) for Lithium and Associated Rare Metals at North of Duha (Dumardiha Side) & Asurhadih Block, Giridih District, Jharkhand

ID: ME/IN/G3/JH/P/26-27/247

Area: 3.25 Sq. Km.

[Implementing Agency: M/s. Sathi Planners Private Limited]

- a) The proposed area of 3.25 sq. km for preliminary exploration falls in Survey of India Toposheets no. 72H/14 in Giridih District, Jharkhand.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The Geological Survey of India (GSI), State Unit: Jharkhand, conducted G4-stage exploration for Rare Earth Elements (REE) and Rare Metals (RM) in the Duha block during Field Season 2023–24. Basis that, it carried out G3 stage investigation and the same has been successfully and seamlessly upgraded to G2 stage investigation being implemented during FS 2026-27. The NMEDT proposed block is 100% overlapping with the already ongoing G2 stage of investigation in FS 2026-27 as shown in the status map. The GSI has secured all clearances and hardships in developing this block and will not allow any activity to be taken up within or adjacent to this block, till the project is completed and the resource position is known. It will also be submitting it for the purpose of auction depending on the resource achieved. Proposal is thus outrightly rejected.
2	AMD	1. AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. 2. There is no ongoing exploration / reconnaissance project. 3. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	No overlapping with the ongoing or completed blocks of MECL.
4	NMEDT	No NMEDT funded blocks present in and around the proposed block as per NGDR Portal. Proposed Block (App. 51%) falls in Recorded Forest area.
5	DGM	Not available

- c) The committee observed that the proposed block overlaps completely with the GSI G2 stage of investigation of investigation for FS 2026-27. The committee further advised NMEDT secretariat to seek clarification from GSI about the same.
- e) The committee did not accord the in-principle approval to the project.

Recommendations of TCC-II

The committee did not accord in principle approval to the proposal due to overlap with GSI work.

Agenda 37.3.6 Reconnaissance Survey (G4) for REE and associated minerals in Reddigudem block in NTR district, Andhra Pradesh

ID: ME/IN/G4/AP/P/26-27/252

Area: 143 sq. km

[Implementing Agency: M/s Critical Mineral Trackers]

- a) The proposed area of 143 sq. km for reconnaissance survey falls in Survey of India Toposheets no. 65D/09 & 13, in NTR district, Andhra Pradesh.
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The proposed NPEA block falls entirely within the G4 block (Precious metal) of GSI being carried out for the current FS 2026-27. In view of the ongoing G4 investigation, the proposed NPEA may not be considered feasible to avoid duplication of work.
2	AMD	1. AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. 2. There is no ongoing exploration / reconnaissance project 3. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	The proposed Reddigudem Block of M/s Critical Mineral Trackers completely overlaps with the future proposed block of MECL, for which consent has already been sought from the Department of Mines & Geology (DMG), Government of Andhra Pradesh. Hence, it is requested that the proposed block may not be considered for exploration at this stage.
4	NMEDT	The proposed block overlaps with GSI 2026-27 Mission-I and II (Reconnaissance Survey For Primary Source Rocks Of Diamond In Reddigudem-Viravalli Area In Eluru, Krishna And Ntr Districts, Andhra Pradesh) projects. There is no overlapping with NMEDT funded block in the proposed area. However, one block of MECL funded by NMEDT is near the proposed block.
5	DGM	Not available

- c) The committee observed that the proposed G4 block is overlapping completely with GSI G4 work for FS 2026-27. Therefore, to avoid duplicity of G4 work the committee did not accord in-principle approval to the project.

Recommendations of TCC-II

The committee did not accord in principle approval to the proposal due to overlap with GSI work FS 2026-27.

Agenda 37.3.7 Preliminary Exploration (G3) for copper and associated mineralization in Tori Block, District: Shivpuri, Madhya Pradesh

ID: ME/IN/G3/MP/P/26-27/243

Area: 2.5 sq. km

[Implementing Agency: M/s APC Drilling & Construction Private Limited]

- a) The proposed area of 2.5 sq. km for preliminary exploration falls in Survey of India Toposheets no. 54G/15, 54G/16, 54K/03 and 54K/04. in Shivpuri, Madhya Pradesh
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	1) Details of past Reconnaissance/Exploration work carried out by your Organization in the proposed area (with a summary sheet and all relevant details).- 1. Report on "Reconnaissance survey for PGE and base metal mineralization around Nangali in Shivpuri District, Madhya Pradesh covering parts of toposheet nos.54G/15, 54K/3 & 54K/4" FS: 2021-2022. 2) Details of ongoing exploration/reconnaissance projects related to Graphite & associated minerals and any other mineral/commodity in the proposed area, if any: NA 3) Based on the past baseline/exploration data, whether the proposed area is feasible for taking up in the proposed area. 3a. Report on "Reconnaissance survey for PGE and base metal mineralization around Nangali in Shivpuri District, Madhya Pradesh covering parts of toposheet nos.54G/15, 54K/3 & 54K/4" FS: 2021-2022. The study area under the item is majorly occupied by the rocks of Bundelkhand Granitoid Complex (BGC) along with the rocks of Vindhyan Supergroup towards western margin. Lithologically, the study area is characterized by presence of Tonalite-trondhjemite-granodiorite (TTG), rhyoliteandesite, variants of granites which are traversed by quartz reefs, mafic-ultramafic dyke system and quartz veins. Western part of the study area is occupied by Kaimur sandstone belonging to Vindhyan Supergroup. Based on analytical results of bed rock samples (mainly altered granites and mafic rocks), anomalous values of Cu, Mo & W have been observed from the localities like Thuni (Cu-755-790 ppm, Mo-1597ppm & W-1449ppm), Kanchanpur (Cu-375-390 ppm, Mo-4800ppm & W-21.9ppm), Tori (Cu: 520-6000 ppm) Dargwan (Cu: 195-390 ppm). Occurrence of PGE (Pt & Pd) has been established around Nangali, Dargawan, Tori, Thuni and Simra villages in the study area. Pt values range from 6 to 18.5 ppb and that of Pd vary from 5.1 to 23.8 ppb in 38 bed rock samples. Subsurface values (based on scout borehole MPBNG-1) of Pt range from 7.1 to 22.1 ppb and of Pd vary from 8.0 to 27.8 ppb. A mineralized zone of 0.22% Cu was demarcated from 25.60-27.80m along the borehole MPBNG-1. Average values of Pt & Pd along the borehole MPBNG-1 are 14.1 ppb and 17.1 ppb respectively. Second scout borehole, i.e. MPBNG-2 was drilled around Thuni village. It intersected alteration zones hosting pyrite, chalcopyrite, molybdenite and scheelite mineralization from 25.50 – 31.00m, 51.50-57.00 m and from 76-82 m along the borehole. As the area lies well within the above-mentioned block and shares a similar geological and structural setting. Therefore, the

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		proposed block may be considered for taking up further exploration.
2	AMD	1. AMD has carried out reconnaissance exploration (G4 stage) for uranium in and around the proposed block. No significant surface radioactive zone was delineated. 2. There is no ongoing exploration / reconnaissance project. 3. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	The proposed Tori Block has a small portion overlapping the earlier Mohar Cauldron Block (CR-MP-08), which was explored by MECL at G4 level under NMEDT. Based on the data available at that time, no well-defined mineralised zone was established and further exploration was not recommended. Subsequently, GSI investigations during F.S. 2021–22 generated additional exploration evidence for Cu-PGE mineralisation in and around Tori. In view of these subsequent findings, MECL has no objection to the proposed G3 exploration by M/s APC Drilling & Construction Pvt. Ltd. in the Tori Block, subject to NMEDT/NMET approval and utilisation of available exploration data to avoid duplication
4	NMEDT	Proposed block (green) is overlapping with NMEDT funded MECL project (G4) project.
5	DGM	Not available

- c) The agency referenced the GSI report “Reconnaissance survey for PGE and base-metal mineralization around Nangali, Shivpuri District, Madhya Pradesh, GSI, Field Season 2021–22. The area comprises the Bundelkhand Granitoid Complex with mafic-ultramafic/gabbro-dolerite bodies and sulphide-bearing quartz veins. GSI bedrock sampling recorded Cu values from <10 to 6740 ppm, with reported anomalous Tori values of about 520–6000 ppm; Pt ranges from <5 to 18.5 ppb and Pd from <5 to 23.2 ppb in the available bedrock results. Trench TRNG-3 returned 406 ppm average Cu and 86.5 ppm Co, with maximum values of 1150 ppm Cu and 270 ppm Co, while TRNG-5 recorded an average 225 ppm Cu in three anomalous samples. One scout borehole MPBNG-1, drilled at N70°E, 50° inclination to 99.90 m depth, intersected chalcopyrite-pyrite mineralization at 28–42 m and additional chalcopyrite at 88–92 m; analytical results defined 0.22% Cu over 2.20 m from 25.60–27.80 m, with subsurface Pt 7.1–22.1 ppb and Pd 8.0–27.8 ppb.
- d) Based on the above observations the committee accorded in-principle approval and advise the agency to collect the samples (4-5) from the field from different variants of the lithologies, collect structural data, integrate available Geophysical, Geochemical and Geological data and come up with DPR with all this information.

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Recommendations of TCC-II

The Committee accorded in principle approval to the proposal. It advised the agency to submit DPR within 2 months.

Agenda 37.3.8 Preliminary Exploration (G-3) For Aluminium, Titanium, Gallium, Vanadium and Associated Mineralization Around Kothapalle Block, Alluri Sitharama Raju District, Andhra Pradesh.

ID: ME/IN/G3/AP/P/26-27/255

Area: 2.78 sq. km

[Implementing Agency M/s GeoExpOre Pvt Ltd]

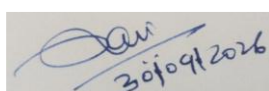
- a) The proposed area of 2.78 sq. km for preliminary exploration falls in Survey of India Toposheets no. 65K/01 in Alluri Sitharama Raju District, Andhra Pradesh
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The area proposed for G3 stage investigation falls in a CMAP project area executed by GSI during FS 2024-25. During the work, GSI collected 09 BRS and 3 Pit samples from the proposed NPEA area, with Al ₂ O ₃ : 25 to 41 wt%. TiO ₂ : 0.65 to 7.22, Ga: 30 to 71, V: 141 to 600 ppm and Sc: 41-161 ppm contents. Currently, GSI is not carrying out any further exploration work. Feasibility for further exploration may be examined on technical grounds.
2	AMD	1. AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. 2. There is no ongoing exploration / reconnaissance project 3. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	The proposed block by M/s GeoExpOre Pvt Ltd has no overlapping with the ongoing or completed blocks of MECL
4	NMEDT	Proposed block is overlapping with the NMEDT Funded project titled as "Regional Mineral Targeting And Integrated Mineral System Studies For Identification Of Prospective Blocks For Manganese, Graphite, Tungsten, Ree and Associated Minerals, Around Gudem And Chintapalli Areas Of Alluri Sitaramaraju District, Andhra Pradesh" by M/s Critical Mineral Trackers .
5	DGM	Not available

- c) The committee did not accord in-principle approval to the proposal due to overlap with ongoing RMT work M/s Critical Mineral Trackers.

Recommendations of TCC-II

The committee did not accord in principle approval to the proposal due to overlap with ongoing RMT work M/s Critical Mineral Trackers.



Agenda 37.3.9 Preliminary Exploration (G-3) For Aluminium and Associated Mineralization Around Kampamanupakalu Block, Alluri Sitharama Raju District, Andhra Pradesh.

ID: ME/IN/G3/AP/P/26-27/258

Area: 1.35 sq. km

[Implementing Agency M/s GeoExpOre Pvt Ltd]

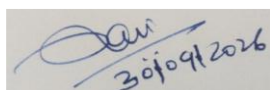
- a) The proposed area of 1.35 sq. km for preliminary exploration falls in Survey of India Toposheets no. 65K/01 in Alluri Sitharama Raju District, Andhra Pradesh
- b) The table containing the comments is given below:

S.N.	Agency	Comment
1	GSI	The area proposed for G3 stage investigation falls in a CMAP project area executed by GSI during FS 2024-25. During the work, GSI collected 09 BRS and 2 Pit samples from the proposed NPEA area, with Al ₂ O ₃ : 14 to 48 wt%. TiO ₂ : 0.3 to 1.65, Ga: 22 to 69, V: 103 to 503 ppm and Sc: 38-119 ppm contents. Currently, GSI is not carrying out any further exploration work. Feasibility for further exploration may be examined on technical grounds.
2	AMD	1. AMD has not carried out any exploration / reconnaissance project in the proposed block, previously. 2. There is no ongoing exploration / reconnaissance project 3. AMD does not have baseline / exploration data on the commodity mentioned.
3	MECL	The proposed block by M/s GeoExpOre Pvt Ltd has no overlapping with the ongoing or completed blocks of MECL.
4	NMEDT	Proposed block is overlapping with the NMEDT Funded project titled as "Regional Mineral Targeting And Integrated Mineral System Studies For Identification Of Prospective Blocks For Manganese, Graphite, Tungsten, Ree and Associated Minerals, Around Gudem And Chintapalli Areas Of Alluri Sitaramaraju District, Andhra Pradesh" by M/s Critical Mineral Trackers .
5	DGM	Not available

- c) The committee did not accord in-principle approval to the proposal due to overlap with ongoing RMT work M/s Critical Mineral Trackers.

Recommendations of TCC-II

The committee did not accord in principle approval to the proposal due to overlap with ongoing RMT work M/s Critical Mineral Trackers.



30/09/2026

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List of participants attended 37th meeting of Technical-cum-Cost Committee - II (TCC - II) of NMEDT held on 22nd and 23rd September, 2026 through video conferencing mode

Annexure 1					
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53	Representatives				Siddharth Geo Consultant
54	Representatives				Bhushilp Mines and Minerals Pvt Ltd
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