

Ministry of Mines
National Mineral Exploration and Development Trust
Minutes of the 105th Technical-cum-Cost Committee-1 (TCC-1) Meeting held
on 24th and 25th September 2026 through video conferencing

The 105th Meeting of the Technical-cum-Cost Committee-I (TCC-1) of the National Mineral Exploration and Development Trust (NMEDT) was held via video conferencing under the chairmanship of Dr. S. Ravi, Deputy Director General (DDG), Geological Survey of India Training Institute (GSITI) and Chairman, TCC-1, NMEDT, on 24th and 25th September 2026. Members of TCC-1, NMEDT and representatives from MECL, DGM Chhattisgarh, DMG Rajasthan, DGM Mizoram, DGM Tripura, OMC, FAGMIL, M/s. MAPL, M/s. MMPL Pvt. Ltd., M/s. Gemcokati Exploration Pvt. Ltd., M/s. Bhushilp Mines and Minerals Pvt. Ltd., M/s. Geo Consultants Private Limited, M/s. N G Gadhiya, M/s. MTCS, M/s. Critical Mineral Trackers, M/s. Sathi Planners Private Limited, M/s. APC Drilling & Constructions Pvt. Ltd., M/s. Southwest Pinnacle, M/s. Geo Marine Solutions Pvt. Ltd., M/s. Unised Research Consultants Pvt. Ltd. have attended the meeting through their respective VC modes.

The list of participants is enclosed in **Annexure- 4**.

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

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

Agenda 105.1: Technical evaluation of new project proposals

Agenda 105.1.1. Reconnaissance survey (G-4 stage) for basemetal and associated minerals in Dumartola block, Kotri lineament of Kotri-Dongargarh belt, Mohla-Manpur-Ambagarh Chowki, District, Chhattisgarh
(Proposal ID: ME/DD/G4/CT/MECL/26-27/021)

[Implementing Agency: MECL]

- a. The proposed block falls within Survey of India Toposheet No. 64D/14 and comprises Banded Iron Formation of the Latmarka Group (Bailadila Group), bimodal volcanic rocks of the Ainhur Group, and Madanbera granitoid of the Kotri Supergroup.
- b. GSI has carried out earlier exploration for gold and base metal mineralisation in and around the proposed area, including P-II-stage investigations in the Dangarh-Chauki and Parveli areas and regional surveys in the Malanjkhanda Extension area.
- c. The Parveli investigation reported low-grade gold mineralisation, with a 14 m wide mineralised zone in trench PV/T-1 assaying 0.42 g/t Au, while other mineralised zones were sporadic and of limited strike length.
- d. HCL is presently carrying out G4-stage exploration for copper and associated minerals in the adjoining Bodal block under an NMEDT-approved project. The mineralised zone mapped in the southeastern part of the Bodal block extends towards the proposed Dumartola block, warranting assessment of its strike continuity in the proposed area.
- e. MECL informed that a field visit was undertaken in the proposed block and grab samples collected during the visit returned encouraging values of lead and copper.
- f. In view of the available exploration data and encouraging base-metal values, the agency proposed G4-stage exploration for base metals and associated minerals, comprising

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geological mapping, geochemical sampling, pitting/trenching, ground geophysical surveys and exploratory drilling for assessment under UNFC 334 category.

- g. The Committee noted that parts of the proposed block overlap with an MECL block and an NMEDT-approved HCL project. AMD also informed that G4/G3-stage uranium exploration has been carried out in the adjoining areas, where grab samples reported U_3O_8 values up to 0.019%.
- h. In view of the overlaps and the reported occurrence of uranium, the Committee advised the agency to revisit and modify the proposed block by excluding the overlapping areas and considering the reported uranium potential.
- i. The Committee kept the proposal on hold pending receipt of further details from GSI and AMD and advised the agency to submit a modified proposal thereafter.

Sl. No.	Agency	Brief Comments
1.	GSI	Major overlap of the proposed block was found with GSI's previous works of FS 1996-97 and FS 1997-98. GSI carried out gold prospecting during FS 1996-97 and regional surveys for base metals during FS 1997-98. Further investigations in the area include reconnaissance surveys for tungsten, scandium and copper.
2.	MECL	NA
3.	AMD	AMD has carried out G4/G3 stages of exploration for uranium in different phases in and around the proposed block showing partial overlap. Grab samples analysed up to 0.019% U_3O_8 . AMD does not have baseline / exploration data on the commodity mentioned. Considering the above, the block boundary of the proposed block of MECL may be modified suitably to avoid duplication of the work.
4.	State DMG/DGM/CGM	DGM, Chhattisgarh, had carried out a reconnaissance survey in part of the proposed area in Toposheet No. 64D/14, as per the report titled "Report on Mineral Inventory of Rajnandgaon District Field Session 2027–2029." As per the report, quartz veins and basic dykes are mapped in the proposed area. At present, there is no ongoing exploration/reconnaissance project related to the above-mentioned commodity or any other mineral commodity in the proposed area. As of now, the feasibility of the block cannot be determined. There is 01 Quartz OL sanctioned in the proposed block.
5.	NMEDT	The Proposed area is adjacent to NMEDT Funded Project (HCL_G4_FS_2026_Reconnaissance Survey (G4) For Copper (Cu) and associated mineralisation in Bodal Area, Mohla Manpur Ambagarh Chowki District, Chhattisgarh) as per NGDR.

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Recommendations of TCC-1:

The Committee deferred the proposal due to multiple overlaps with GSI, AMD and the NMEDT-funded HCL project. The agency was advised to revisit and modify the proposed area by excluding the overlapping portions and submit a revised proposal. The proposal shall be considered after receipt of the requisite details from GSI and AMD.

Agenda 105.1.2. Preliminary Exploration (G3 Stage) for TiO₂ hosted Aluminous Laterite in Sirmaur-Kevati Block-B, Rewa District, Madhya Pradesh (Proposal ID: ME/DD/G3/MP/26-27/210)

[Implementing Agency: MMPL Pvt. Ltd.]

- a. The Committee noted that the proposed block falls within Survey of India Toposheet No. 63H/05 and is underlain by sandstone and shale of the Rewa Formation and Ganurgarh Shale of the Bhandar Group.
- b. The Committee noted that M/s MMPL had carried out G4-stage reconnaissance exploration for bauxite in the Sirmaur-Kevati Block under an NMEDT-funded project.
- c. Three prospective blocks, namely Blocks A, B and D, were identified for further detailed exploration based on their comparatively higher resource potential and Al₂O₃ grades.
- d. Block-A contains 1.76 million tonnes of in-situ aluminous laterite at 24.42% Al₂O₃, Block-B contains 2.03 million tonnes at 23.51% Al₂O₃, and Block-D contains 2.14 million tonnes at 23.42% Al₂O₃, aggregating to 6.09 million tonnes within the explored area of 2.48 sq. km.
- e. The Committee further noted TiO₂-bearing resources of 1.32, 0.79 and 0.82 million tonnes in Blocks A, B and D, respectively, with average TiO₂ grades of 2.75%, 2.31% and 2.37%.
- f. In view of the reported resource potential, the agency proposed G3-stage exploration for TiO₂ and aluminous laterite, comprising detailed geological mapping at 1:4000 scale, surface geochemical sampling, pitting/trenching and exploratory drilling with sampling for assessment of mineral resources under the UNFC G3 category.
- g. The Committee noted that the proposal was earlier reviewed in the 104th TCC-1 meeting and observed that it involved upgradation of the agency's G4-stage investigation work. The agency was advised to verify the available borehole density and modify the title to "Preliminary Exploration (G3 Stage) for Aluminous Laterite and Associated Critical Minerals in Sirmaur-Kevati Block-A, Rewa District, Madhya Pradesh."
- h. The Committee, after detailed discussion and deliberation, decided to consider the proposal subject to compliance with the suggestions of the Committee and submission of a revised proposal.
- i. The Committee further observed that a highway passes through the southern part of the proposed block and advised the agency to exclude the affected area. The agency subsequently modified the block by excluding the area as advised by the Committee.
- j. After compliance with the suggestions and modification of the proposed block, the Committee recommended the proposal.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed area is located approximately 25 km northeast of the Flux Grade Limestone in Rewa - Satna area, Madhya Pradesh (FS-1966-67). It does not overlap with the block explored by the GSI and is prospective for

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		titanium-bearing minerals. Therefore, the area may be considered for further exploration.
2.	MECL	The proposed block by M/s MMPL Private Limited has no overlapping with the ongoing or completed blocks of MECL.
3.	AMD	AMD has not carried out any exploration in the area and there is no overlap with the ongoing projects of AMD.
4.	State DMG/DGM/CGM	Not Received
5.	NMEDT	This project is an up gradation of the project "Reconnaissance Survey (G4-Stage) for Bauxite in Sirmaur-Kevati Block, District- Rewa, State- Madhya Pradesh", No other NMEDT funded blocks are present in the vicinity of the proposed block, as per the NGDR Portal. Besides, some portion falls in recorded forest area (approx. 3%).

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block B, Rewa District, Madhya Pradesh" for approval of PSC, NMEDT with an estimated cost of Rs. 89.04 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per Annexure – 1A & 1B. The item will be reviewed after 3, 6 and 9 months.

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Annexure 1A							
Estimated cost for Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block B, Rewa District, Madhya Pradesh							
Block B Total area: 6.34 sq km, Period of Completion: 10 months, BH: 29 nos, Total Drilling Meterage: 250m (BH Depth: Each BH maximum 10 m) , review: after 3, 6 & 9 months							
			Rates as per NMET		Estimated Cost of the		
			SoC 2020-21		Proposal		
S. No.	Item of Work *	Unit *	SoC-	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs)	Remarks
			Item No.			(a*b)	
			*				
A	Geological Mapping Other Geological Work & Surveying						
	Geological mapping, (1:4,000 scale) & pitting, drilling work						
i	Detailed Geological mapping (DM)	Per sqkm	1.1.1	18,300.00	6.34	116,022.00	1:4000 scale with contouring
ii	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a	14,500.00	100	1,450,000.00	
iii	b. Labours Charges; Base rate (for 2 labours per Geologist)	day	5.8	556.00	200	111,200.00	
iv	c. Charges for Geologist per day (HQ)	day	1.2.1a	10,500.00	30	315,000.00	
	Sub Total- A					1,992,222.00	
B	Survey work						
a	DGPS Survey for BH fixation & RL determination	Per Point of observation of observation	1.3.2	19,200.00	34	652,800.00	Bore hole: 29 Cardinal points 5

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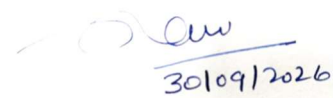
b	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc.		1.3.1	10,500.00	20	210,000.00	For Topographical survey
c	Labours Charges for survey work;	day	5.8	526.00	80	42,080.00	4 labours per day
	Sub-Total B					904,880.00	
C	Trenching/Pitting						
	a) Excavation of pits	per cu.m	2.1.2	4,725.00	0	-	2X2X2
	Sub Total C					-	
D	DRILLING (after review)- In -house						
1	Drilling (Soft Rock)	m	2.2.1.1c	5,500.00	250	1,375,000.00	
2	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	30,000.00	29	870,000.00	As per actuals
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000.00	29	58,000.00	
4	Miscellaneous charges	Km	2.2.9			343,750.00	
5	Drill Core Preservation	per m	5.3	1,590.00	150	238,500.00	
6	Charges for one Sampler per day	one sampler per day	1.2.1b	7,850.00	27	211,950.00	
7	Labours (4 Nos)	day	5.8	556.00	108	60,048.00	
	Sub Total D					3,157,248.00	
E	LABORATORY STUDIES						

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1	Chemical Analysis						
i)	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment) & core samples						
	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200.00	180	756,000.00	Core sample=180
	Analysis of Minor, Trace RM and REE elements by ICPMS	Nos	4.1.15	7,400.00	25	185,000.00	
ii)	Check samples (10% External)					-	
	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200.00	18	75,600.00	
	Analysis of Minor, Trace RM and REE elements by ICPMS	Nos	4.1.15	7,400.00	3	22,200.00	
2	<u>Physical & Petrological Studies</u>					-	
i	Preparation of polished thin section	Nos	4.3.2	800.00	5	4,000.00	
ii	Complete petrographic report of rock sample alongwith 5 no of digital photo micrograph	Nos	4.3.4	2,800.00	5	14,000.00	
iii	Bulk density analysis	Nos	4.8.3	2,500.00	5	12,500.00	
iv	EPMA studies	per hour	4.4.1	10,500.00	0	-	
	Total E					1,069,300.00	
F	Total A to E					7,123,650.00	
G	Geological Report Preparation	5 Hard copies with a soft copy	5.2	ii		250,000.00	
H	Peer review Charges			30,000.00	1	30,000.00	

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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. 5.0 Lakhs whichever is less		142,473.00	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
J	Total Estimated Cost without GST					7,546,123.00	
K	Provision for GST (18% of J)					1,358,302.14	GST will be reimburse as per actual and as per notified prescribed rate
L	Total Estimated Cost with GST					8,904,425.14	
				Rs. In Lakhs		89.04	
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/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

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Annexure 1B															
Time Schedule/ Action Plan for Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block B, Rewa District, Madhya Pradesh															
	Months														
Item of work	1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	REVIEW	10		
Camp Setup															
Geological Mapping (1:4000)															
Systematic drilling															
Core sampling and its preparation															
Chemical analysis of Core Samples															
Processing of Analytical data alongwith preparation of Draft Geological Report															
Review by external peer reviewer															
Preparation of geologcial report															

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Agenda 105.1.3. Preliminary Exploration (G3 Stage) for TiO₂ hosted Aluminous Laterite in Sirmaur-Kevati Block-A, Rewa District, Madhya Pradesh
(Proposal ID: ME/DD/G3/MP/26-27/214)

[Implementing Agency: MMPL Pvt. Ltd.]

- a. The proposed block falls within Survey of India Toposheet No. 63H/05 and is underlain by sandstone and shale of the Rewa Formation and Ganurgarh Shale of the Bhandar Group.
- b. The Committee noted that M/s MMPL had carried out G4-stage reconnaissance exploration for bauxite in the Sirmaur-Kevati Block under an NMET-funded project, wherein Blocks A, B and D were identified for further detailed exploration based on their resource potential and Al₂O₃ grades.
- c. The Committee noted that Blocks A, B and D contain an estimated 1.76, 2.03 and 2.14 million tonnes of in-situ aluminous laterite, with average Al₂O₃ grades of 24.42%, 23.51% and 23.42%, respectively, constituting a major portion of the estimated 6.09 million tonnes of aluminous laterite resource within the explored 2.48 sq. km area.
- d. The Committee further noted the presence of TiO₂-bearing resources of 1.32, 0.79 and 0.82 million tonnes in Blocks A, B and D, respectively, with average TiO₂ grades of 2.75%, 2.31% and 2.37%.
- e. In view of the reported resource potential, the agency proposed G3-stage exploration for TiO₂ and aluminous laterite, comprising detailed geological mapping at 1:4,000 scale, surface geochemical sampling, pitting/trenching and exploratory drilling with sampling for assessment of mineral resources under the UNFC G3 category.
- f. The Committee noted that the proposal, earlier reviewed in the 104th TCC-1 meeting, is an upgradation of the agency's G4-stage investigation. The agency was advised to review the borehole density and modify the title to "Preliminary Exploration (G3 Stage) for Aluminous Laterite and Associated Critical Minerals in Sirmaur-Kevati Block-B, Rewa District, Madhya Pradesh."
- g. After detailed deliberation, the Committee agreed to consider the proposal, subject to compliance with the observations and submission of a revised proposal.
- h. The Committee noted that a highway passes through the central part of the block and an urban settlement occurs in the eastern part. The agency was advised to exclude the urban settlement, divide the block into northern and southern parts by maintaining a 50 m buffer from the highway, and exclude areas underlain by Rewa Sandstone.
- i. The agency modified the block accordingly. The Committee further advised the agency to prepare separate reports for the northern and southern parts of the highway.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block is located approximately 25 km northeast of the GSI-investigated area covered under "Investigation for Flux Grade Limestone in Rewa-Satna Area, Madhya Pradesh (FS-1966-67)". No overlap with the earlier GSI exploration area is observed. The proposed block may be considered for further exploration of limestone.
2.	MECL	The proposed block by M/s MMPL Private Limited has no overlapping with the ongoing or completed blocks of MECL.

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3.	AMD	AMD has not carried out any exploration work in the proposed block
4.	State DMG/DGM/CGM	Not Received
5.	NMEDT	This project is an up gradation of the project "Reconnaissance Survey (G4-Stage) for Bauxite in Sirmaur-Kevati Block, District- Rewa, State- Madhya Pradesh", No other NMEDT funded blocks are present in the vicinity of the proposed block, as per the NGDR Portal. Besides, some portion falls in recorded forest area (approx. 0.75%).

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block 1A (2.41 sq km) and Block 2A (3.46 sq km), Rewa District, Madhya Pradesh" for approval of PSC, NMEDT with an estimated cost of Rs. 87.79 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per Annexure – 2A & 2B. The item will be reviewed after 3, 6 and 9 months.

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Annexure 2A							
Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block 1A (2.41 sq km) and Block 2A (3.46 sq km), Rewa District, Madhya Pradesh							
Block A Total area: 2.41+3.46= 5.87 sq km, Period of Completion: 10 months, BH: 26 nos (10 BH in Block 1A + 16 BH in Block 2A). Total Drilling Meterage: 250m (Maximum Depth 10 m) , review: after 3, 6 and 9 months)							
S. No.	Item of Work *	Unit *	Rates as per NMET		Estimated Cost of the		Remarks
			SoC 2020-21		Proposal		
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Geological Mapping Other Geological Work & Surveying						
	Geological mapping, (1:4,000 scale) & pitting, drilling work						Mapping on 4000 scale with contouring
i	Detailed Geological mapping (DM)	Per sqkm	1.1.1	18,300.00	5.87	107,421.00	
ii	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a	14,500.00	100	1,450,000.00	
iii	b. Labours Charges; Base rate (for 2 labours per Geologist	day	5.8	556.00	200	111,200.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iv	c. Charges for Geologist per day (HQ)	day	1.2.1a	10,500.00	30	315,000.00	
	Sub Total- A					1,983,621.00	
B	Survey work						
a	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	19,200.00	49	940,800.00	Bore hole: 26 Cardinal points 23

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		of observation					
b	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.		1.3.1	10,500.00	20	210,000.00	For Topographical survey
c	Labours Charges for survey work;	day	5.8	526.00	80	42,080.00	4 labours per day
	Sub-Total B					1,192,880.00	
C	Trenching/Pitting						
	a) Excavation of pits	per cu.m	2.1.2	4,725.00	0	-	2X2X2
	Sub Total C					-	
D	DRILLING (after review)- In -house						
1	Drilling (Soft Rock)	m	2.2.1.1c	5,500.00	250	1,375,000.00	
2	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	30,000.00	26	780,000.00	As per actuals
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000.00	26	52,000.00	
4	Miscellaneous charges	Km	2.2.9			343,750.00	
5	Drill Core Preservation	per m	5.3	1,590.00	125	198,750.00	
6	Charges for one Sampler per day	one sampler per day	1.2.1b	7,850.00	21	164,850.00	

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7	Labours (4 Nos)	day	5.8	526.00	84	44,184.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	Sub Total D					2,958,534.00	
E	LABORATORY STUDIES						
1	Chemical Analysis						
i)	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment) & core samples						
	Major oxides (WD XRF)- (oxides+ traces - 24 elements)	Nos	4.1.17a	4,200.00	140	588,000.00	Core sample=140
	Analysis of Minor, Trace RM and REE elements by ICPMS	Nos	4.1.15	7,400.00	25	185,000.00	
ii)	Check samples (10% External)						
	Major oxides (WD XRF)- (oxides+ traces - 24 elements)	Nos	4.1.17a	4,200.00	14	58,800.00	
	Analysis of Minor, Trace RM and REE elements by ICPMS	Nos	4.1.15	7,400.00	3	22,200.00	
2	Physical & Petrological Studies						
i	Preparation of polished thin section	Nos	4.3.2	800.00	5	4,000.00	
ii	Complete petrographic report of rock sample alongwith 5 no of digital photo micrograph	Nos	4.3.4	2,800.00	5	14,000.00	
iii	Bulk density analysis	Nos	4.8.3	2,500.00	5	12,500.00	
iv	EPMA studies	per hour	4.4.1	10,500.00	0	-	

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	Total E					884,500.00	
F	Total A to E					7,019,535.00	
	Miscellaneous charges						
G	Geological Report Preparation	5 Hard copies with a soft copy	5.2	ii		250,000.00	Total cost of the project exceeding 150lakhs
H	Peer review Charges			30,000.00	1	30,000.00	
I	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		140,390.70	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
J	Total Estimated Cost without GST					7,439,925.70	
K	Provision for GST (18% of J)					1,339,186.63	GST will be reimburse as per actual and as per notified prescribed rate
L	Total Estimated Cost with GST					8,779,112.33	
				Rs. In Lakhs		87.79	
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/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.						

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

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Annexure 2B														
Time Schedule/ Action Plan for Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block 1A (2.41 sq km) and Block 2A (3.46 sq km), Rewa District, Madhya Pradesh														
	Months													
Item of work	1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	REVIEW	10	
Camp Setup														
Geological Mapping (1:4000)														
Systematic drilling														
Core sampling and its preparation														
Chemical analysis of Core Samples														
Processing of Analytical data alongwith preparation of Draft Geological Report														
Review by external peer reviewer														
Preparation of geologcial report														

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**Agenda 105.1.4. Reconnaissance Survey (G4 Stage) for targeting possible KCR bodies in and around previously known reported site of Chrome Diopside and associated KIM's in Sunwaha Block in parts of Chhatarpur District of Madhya Pradesh
(Proposal ID: ME/DD/G4/MP/26-27/265)**

[Implementing Agency: Gemcokati Exploration Pvt. Ltd.]

- a. The agency informed that the proposed block falls within Survey of India Toposheet No. 54P/04 and covers an area of 470 sq. km. The block is situated along the western margin of the NE–SW trending Panna Diamond Field and south of the Bunder–Saptarshi cluster (Rio Tinto identified block).
- b. The Committee noted that the area is predominantly underlain by basalt, cherty limestone, limestone, sandstone, orthoquartzite and shale. GSI exploration during FS: 2008–12 and NGCM studies reported anomalous values of Nb, Zr, La and Ce, along with the occurrence of chrome diopside in three soil samples showing elevated MgO, CaO and Cr₂O₃ values.
- c. The agency informed that field investigations were carried out and BRS and stream sediment samples were collected, which reported elevated values of CaO, Cr and Zr, along with Rb, La, Ce and Y.
- d. The Committee noted that the anomalous pathfinder elements (Nb, Ce, La and Zr), occurrence of chrome diopside and the reported high-gravity geophysical anomaly collectively indicate the potential of the area for kimberlite and associated critical resource (KCR) exploration.
- e. The Committee noted that the proposal had been previously discussed in the TCC-2 and the 85th and 87th TCC-1 meetings. NMEDT was advised to obtain the report of diamond exploration work carried out by NMDC in the proposed area and its vicinity.
- f. The Committee further noted that, based on inputs from NMDC, approximately 88 sq. km of the proposed area overlaps with the Damoh block of NMDC, covering about 1,932 sq. km, where diamond exploration was carried out during 2017–2024 and the geological report was submitted to the Government of Madhya Pradesh in March 2024.
- g. The proposal was subsequently reviewed in the 104th TCC-1 meeting, wherein the Committee advised the agency to enlarge and modify the proposed area and incorporate stream sediment sampling, heavy mineral studies, magnetic survey, petrological and mineralogical studies, followed by scout drilling, wherever required.
- h. The agency incorporated the suggestions of the Committee and submitted a revised proposal covering an area of 470 sq. km with the revised work programme.
- i. The Committee reviewed the revised proposal and advised the agency to carefully select sampling locations and ensure high-quality sampling and processing for effective execution of the exploration programme. The agency was further advised to include 150 stream sediment samples, at a density of one sample per 5 sq. km, along with selected regolith and soil samples from areas identified earlier as having heavy mineral concentrations.
- j. After consideration of the revised proposal and the proposed exploration programme, the Committee recommended the proposal to the PSC for consideration.

Sl. No.	Agency	Brief Comments
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1	GSI	No overlapping is observed in the proposed area, a few Kimberlite Minerals (KIMs) were reported from the stream sediments from the nearby areas, and the area is having same lithological setup, so the area may be feasible for taking up the exploration activities.
2	MECL	The proposed block is not overlapping with any of the ongoing/completed blocks of MECL.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	The department has no previous exploration / investigation information of KIM/Diamond Minerals exploration in the proposed area. There is no ongoing exploration work by the department for KIM/ Diamond or other mineral in the proposed area. There are 02 mineral concessions (quarry lease) for mineral stone having 1-2 hect. Area falling under the proposed area.
5	NMEDT	The proposed block does not overlap with NMEDT funded projects.

Recommendations of TCC-1:

The committee recommended the proposal titled “Reconnaissance Survey for Source Rock of Diamond in Sunwaha Block (G4) (470 Sq. Km.), District- Chattarpur, Madhya Pradesh” for approval of PSC, NMEDT with an estimated cost of Rs. 104.85 lakhs (including GST) with a timeline of 12 months for carrying out the proposed work and submission of report as per Annexure – 3A & 3B. The item will be reviewed after 4 and 8 months.

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**Reconnaissance Survey for Source Rock of Diamond in Sunwaha Block (G4) 470 Sq. Km. District- Chattarpur , Madhya Pradesh
Drilling - 300 meters (in 2nd Phase), 1st Review after 4, and 8 months, Time period - 12 months**

S. No.	Item of Work *	Unit *	Rates as per revised NMEDT SoC 2025		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI	Rates as per SoC	Qty.	Total Amount (Rs)	
A	Large Scale Geological Mapping(LSM) (1:12,500)	Per sq. km	1.1	18300	0	0	existing 50 K and other maps available may be used
1	Geologist: In field	Man days	1.2.1a	14,500	120	1740000	Regional Traverse Mapping, Stream Sediment Sampling, Pitting and Drilling
2	Geologist: at HQ	Man days	1.2.1a	10,500	90	945000	
3	Labour charges (for sample collection, packaging, carrying, 2 Nos)	Man days	5.8	556	240	133440	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
4	Charges for one sampler per day (for sample preparation)	Man days	1.2.1b	7850	25	196250	
5	Labour charges (4 Nos for sample preparation)	Man days	5.8	556	100	55600	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
6	DGPS survey for borehole fixation and RL determination	Per Point of observation	1.3.2	24,000	4	96000	For Scout BHs. Drilling in Phase II after sampling

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	Sub Total A					3166290	
B	Pitting & Trenching						
1	Pitting	per cu m	2.1.2	4725	60	283500	
	Sub Total B					283500	
C	Geophysical Survey (After Review)						2nd Phase: To be taken up on positive validation after 1st phase
1	Drone Magnetic Survey	per line km	7a	8,000	10	80000	10 LKM
2	Gravity survey on geomagnetic profile	station	3.1.a	3800	0	0	1 LKM per 2 Stations
	Sub Total C					80,000	
D	Drilling (After Review) (In House)						2nd Phase: To be taken up on positive validation after 1st phase
1	Drilling	per m	2.2.I.lc	10000	300	3000000	300m = 75m X 4 Nos.
2	Land Compensation	Per Borehole		30000	4	120000	
3	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation)	Lumpsum	2.2.9	2% or 15 L max. for drilling cost ranges bet 50L to 1 Cr.		750000	
4	Concrete Pillar Construction	Per Borehole	2.2.7	2,000	4	8000	
5	Drill Core Preservation	m	5.3	1,590	100	159000	
6	Borehole plugging by cement	Lumpsum per borehole	2.2.8	10,000	4	40000	
	Sub Total C					4077000	
E	Laboratory Studies						

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1	Major oxides using WD XRF Analysis	No.	4.1.17 a	4200	25	105000	
2	10% check samples		4.1.17 a	4200	3	12600	
3	34 elements by ICPMS	No.	4.1.16f	7400	25	185000	
4	10% check samples	No.	4.1.16f	7400	3	22200	
	Heavy Mineral Separation		4.3.6a	2890	150	433500	Stream Sediment Samples
	Sub Total E					758300	
F	Physical & Petrological Studies						
1	Preparation of thin section	No.	4.3.1	500	0	0	
2	Preparation of polished thin section	No.	4.3.2	800	15	12000	
3	Complete petrographic study report	No.	4.3.4	2800	15	42000	
4	XRD analysis	No.	4.5.2	4000	0	0	
5	Preparation of unmounted grain mounts polished section (Stub)	No.	4.3.3	700	15	10500	
6	Preparation of unmounted polished section of rock (Stub)	No.	4.3.4	2800	15	42000	
7	EPMA studies per hour	per hour	4.4.1	10,500	20	210,000	
8	SEM studies per hour	per hour	4.4.2	3,500	-	-	
	Sub Total F					316500	
	Total A+B+C+D+E+F					8,681,590	
	Total Cost			30000		8681590	
F	Peer Review by External Expert	No.	As per EC decision		1	30000	
G	Preparation of Exploration Proposal	No.	5.1	2% of the approved	1	173632	As per SoC

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				project cost or Rs. 500000 whichever is less			
H	Project Cost without GST					8885222	
I	GST - 18%					1599340	
J	Total Project Cost (With GST)					10484562	
	Rs. In Lacs					104.85	
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/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

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Annexure 3B															
Time Schedule/ Action Plan for Reconnaissance Survey for Source Rock of Diamond in Sunwaha Block (G4) 470 Sq. Km. District- Chattarpur , Madhya Pradesh															
S. N.	Components	1	2	3	4	1st REVIEW	5	6	7	8	2nd REVIEW	9	10	11	12
1	Camp Setting														
2	Stream Sediment Sampling														
3	Pitting														
5	Laboratory Studies														
6	Geophysical Studies (2nd Phase)														
7	Drilling (2nd phase)														
8	Camp Winding														
9	Report Writing with Peer Review														

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Agenda 105.1.5. Preliminary Survey (G-3) of Limestone in Kakab North Block, (7.83 sq.km area), District-Jaisalmer, Rajasthan.

(Proposal ID: ME/DD/G3/RJ/26-27/242)

[Implementing Agency: FAGMIL]

- The Committee noted that the proposed block falls within parts of Survey of India Toposheet No. 40-I/11 and forms part of the Jaisalmer Basin. The area is predominantly underlain by limestone, foraminiferal limestone, marl, shale, ironstone, pseudo-conglomerate, bentonitic gypseous clay and fuller's earth belonging to the Bandah, Shumar and Khuiala Formations.
- The Committee noted that GSI had carried out investigation for limestone during FS: 1980–81 in the Sanu-Ramgarh and Tulsiram Ki Dhani–Khinsar-Mandha areas, wherein substantial limestone resources were estimated.
- The Committee further noted that GSI carried out G3-stage exploration for low-silica SMS-grade and cement-grade limestone in Minyun Ki Dhani (West) during FS: 2014–15, establishing inferred resources of 44.858 million tonnes of SMS (LD)-grade, 80.251 million tonnes of SMS (OH)-grade and 162.664 million tonnes of cement-grade limestone.
- GSI also carried out G2-stage exploration in Minyun Ki Dhani (East) during FS: 2016–17, wherein an indicated mineral resource of 213.346 million tonnes was estimated, comprising SMS-grade, chemical-grade and cement-grade limestone along with cement-grade limestone.
- The agency informed that a field visit was undertaken and 10 samples were collected. XRF analysis reported CaO values of 50.9–53.2%, SiO₂ values of 1.26–2.93% and Fe₂O₃ values of 0.43–1.83%.
- Based on the available geological and analytical data, the agency proposed Preliminary Exploration (G3 Stage) for limestone, comprising detailed geological mapping at 1:4000 scale, pitting/trenching and exploratory drilling with sampling to assess the mineral resources under the UNFC G3 category.
- The Committee reviewed the proposal and noted the comments of DGM, Rajasthan that a major portion of the proposed area overlaps with two mining leases.
- The agency informed that an entirely new area has been carved out in the southern part of the proposed block.
- In view of the substantial modification of the proposed area and the need to obtain comments from the concerned agencies/departments, the Committee advised the agency to submit a fresh project proposal for consideration.

Sl. No.	Agency	Brief Comments
1	GSI	At present no project is going on in the proposed area, however the total area (7.83 Sq km) is considered too large for G3 exploration work. The block is proposed based on the encouraging results of G2 stage exploration in Minyun ki Dhani (East) Block work carried out by GSI, WR, Rajasthan and the block may be considered potential for cement and allied mineral-based industries.
2	MECL	The proposed block by FCI Aravali Gypsum and Minerals India Limited (FAGMIL) has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	AMD has not carried out any exploration in the area and there is no overlap with the ongoing projects of AMD.
4	State DMG/DGM/CGM	The proposed Kakab North Limestone Block overlaps with the Parewar-V Limestone Block over approximately

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		287.00 ha and is also affected by approximately 245.00 ha of the Parewar-II Limestone Block; however, it does not fall within the GIB Boundary, and no other boundary overlap or dispute is reported in the available records.
5	NMEDT	There are no NMEDT funded blocks overlapping with the proposed block.

Recommendations of TCC-1:

The Committee did not consider the proposal as a major portion of the proposed area overlaps with two mining leases. In view of the entirely new block area and the need to obtain comments from the concerned agencies/departments, the agency was advised to submit a fresh project proposal for consideration.

Agenda 105.1.6. Reconnaissance Survey (G4) for Graphite in Saraudha area, Singrauli District, Madhya Pradesh

(Proposal ID: ME/DD/G4/MP/26-27/248)

[Implementing Agency: Bhushilp Mines and Minerals Pvt Ltd.]

- The proposed block falls within parts of Survey of India Toposheet Nos. 63L/03 and 63L/07 and is predominantly underlain by phyllite, quartzite and cherty quartzite, dolomite, calc-silicate rock, BIF, metabasics, schist, including staurolite schist, and conglomerate of the Mahakoshal Group, intruded by numerous quartz veins.
- The Committee noted that GSI carried out specialised thematic mapping at 1:25,000 scale in parts of Toposheet Nos. 63L/03, 63L/04 and 63L/07 during FS: 2021–23, wherein indications of sulphide mineralisation were reported, with Cu values up to 415 ppm, Pb up to 490 ppm and Zn up to 6,340 ppm in metabasic bodies.
- The Committee further noted that a zone of carbonaceous phyllite was demarcated within the Mahakoshal Group, with fixed carbon values ranging from 4–11%, indicating potential for graphite mineralisation.
- Based on the available geological and analytical data, the agency proposed G4-stage exploration for graphite, comprising geological mapping at 1:12500 scale, pitting/trenching and exploratory drilling with sampling to assess the mineral resources under the UNFC G4 category.
- The Committee observed that nearly 70% of the proposed area overlaps with a GSI G4-stage investigation for graphite, which is currently under execution during FS: 2026–27. The agency was advised to exclude the overlapping GSI block from the proposed area.
- The Committee further advised the agency to undertake a field visit to assess the continuity of the graphite-bearing bands, collect representative samples and submit a revised proposal with proper justification for consideration.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block overlaps the Bahera-Baharia Shear Zone, Bahera Baskati Block and Kursa Area, as part of the work undertaken during FS 1978-79, FS 2025-26 and FS 2026-27 respectively.
2	MECL	It is observed that a small portion of the proposed block of M/s Bhushilp Mines and Minerals Pvt. Ltd. overlaps with the MECL ongoing exploration block (Parma Block). The overlapping portion falls within the area where exploration activities by MECL are presently ongoing. Hence, the

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		proposed block may be examined accordingly, keeping in view the ongoing exploration activities of MECL.
3	AMD	AMD has not carried out any exploration in the area and there is no overlap with the ongoing projects of AMD
4	State DMG/DGM/CGM	Awaited
5	NMEDT	There is an overlap with NMEDT ongoing project of CMPDIL, "Reconnaissance Survey (G-4) For Copper in Jiawan Area (45 Sq. Km), District: Singrauli, State: Madhya Pradesh" as per NGDR. There is also a buffer zone Overlap with NMEDT ongoing project of MECL "Reconnaissance Survey (G-4 Stage) For gold and Associated Minerals In Parma Block (133.00 Sq.Km) Districts: Singrauli, Madhya Pradesh".

Recommendations of TCC-1:

The Committee did not recommend the proposal as nearly 70% of the proposed area overlaps with a GSI G4-stage investigation for graphite, which is under execution during FS: 2026–27. The agency was advised to exclude the overlapping GSI G4 block, undertake a field visit to assess the continuity of the graphite-bearing bands, collect representative samples, and submit a revised proposal with proper justification for further consideration.

105.2 Project Evaluation for In-Principle Approval

Agenda 105.2.1. Reconnaissance Survey (G4) for exploration of critical minerals (Ti & V) around Shankari over an area of 41.17 sq.km, Kendujhar district, Odisha

(Proposal ID: ME/IN/G4/OD/P/26-27/260)

[Implementing Agency: M/s Geo Consultants Private Limited]

- The Committee noted that the proposed block falls within Survey of India Toposheet Nos. 73G/5 and 73G/6 and is represented by Mesoarchean volcano-sedimentary assemblages of the Western Iron Ore Group of the Singhbhum Craton.
- The Committee noted that DoMG, Odisha, carried out G4-stage exploration for bauxite adjacent to Dholkatapahar, Keonjhar district, during FS: 2008–09, wherein a possible resource of 16.18 million tonnes of bauxite was estimated from five plateaus under the UNFC 334 category.
- The Committee further noted that GSI, under a research project during FS: 2024–25, reported consistent enrichment of titanium, vanadium and scandium in regolith samples collected over metabasalt in the Bonai–Keonjhar Belt.
- The agency informed that 10 representative surface samples were collected during the field visit, which reported Al_2O_3 values of 39.50–46.91% and SiO_2 values of 2.92–4.15%, along with TiO_2 values of 0.98–2.97% and V_2O_5 values of 0.32–0.71%.
- Based on the available exploration data, the agency proposed G4-stage exploration for evaluating the resource potential of critical minerals, particularly Ti and V, through geological mapping, geochemical sampling, pitting/trenching, ground geochemical survey and exploratory drilling.

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- f. The Committee reviewed the proposal and advised the agency to plot the available critical mineral data, including TiO_2 and vanadium, on the existing geological map and submit the DPR in the upcoming TCC meeting.

Sl. No.	Agency	Brief Comments
1	GSI	GSI has carried out exploration for basemetals, gold and iron in and around the proposed block; the proposed block falls within the RMT block of the Telkoi Valley-Mankarchua sector for greenstone-hosted gold and REE and overlaps with the iron ore block in the Chamakpur-Nayagarh-Suakati area (G-4) and the gold block in the Bonai-Keonjhar area (G-4), explored by GSI in FS 2021-22, 2012-13 and 1992-93, respectively; ten samples collected by the proposer form the stated basis for taking up the project, while no GSI exploration/reconnaissance work for Ti, V or other mineral commodities is currently being undertaken in the proposed area, and no Composite Licence or Mining Lease for major or minor minerals exists within the proposed block; accordingly, the authenticity of the analytical results of the ten samples may be verified and the overlapping portions may be excluded while considering the project for approval.
2	MECL	The proposed block by M/s Geo Consultants Private Limited has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	No overlapping is present.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area. Besides, some portion falls in recorded forest area (approx. 31.13%).

Recommendations of TCC-1:

The Committee accorded in-principle approval to the proposal and advised the agency to plot the available critical mineral data, including TiO_2 and vanadium, on the existing map and submit the DPR in the upcoming TCC meeting.

The DPR may be submitted within 3 months.

Agenda 105.2.2. Preliminary Exploration for copper ore & associated metals over an area of 1.656 Sq. Km in Astakowali Block (G3), East Singhbhum District, Jharkhand

(Proposal ID: ME/IN/G3/JH/P/26-27/264)

[Implementing Agency: M/s Geo Consultants Private Limited]

- a. The proposed block falls within Survey of India Toposheet No. 73J/07 and forms part of the Neoarchean Dhanjori volcano-sedimentary sequence, represented by quartzite/conglomerate and metabasalt with minor ultramafic components.

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- b. Jattalwar and Pal carried out reconnaissance survey (G4 stage) for gold and associated minerals in the Astakowali–Chakri block, East Singhbhum District, Jharkhand, during FS: 2019–20. During the investigation, one bedrock sample collected from the Astakowali old working, showing profuse malachite staining, reported an anomalous Cu value of 6,062 ppm.
- c. As part of Project Uncover, GSI carried out mapping of the deep crustal architecture across the Singhbhum Craton and North Singhbhum Mobile Belt, covering parts of West Bengal, Jharkhand and Odisha, during FS: 2021–24, to study mineral systems and identify deep-seated mineralising environments.
- d. The Committee noted that ferruginous quartzite hosting copper mineralisation occurs as a tectonic slice within an N–S-trending shear zone along the contact between the Dhanjori sequence and granitoids. Two vein-quartz bodies with a cumulative length of approximately 1.17 km were delineated, and two surface samples collected from ferruginised quartzite reported Cu values of 4,385 ppm and 12,239 ppm.
- e. Based on the above sample values, an inclined borehole (UNET-4) was drilled to a depth of 149.55 m targeting the old working to ascertain the presence of additional mineralised zones. Four lean zones of copper mineralisation were intersected at depths of 42.5–43.0 m (0.66% Cu), 56.0–56.5 m (0.20% Cu), 61.3–62.0 m (0.23% Cu) and 113.0–113.5 m (0.19% Cu).
- f. The Committee further noted that samples collected from the mineralised zones reported Au values up to 0.25 ppm, Ni up to 998 ppm, Co up to 160 ppm, Zn up to 542 ppm and Pb up to 831 ppm. Based on the available data, the agency proposed G3-stage exploration for copper and associated metals, comprising detailed geological mapping at 1:2,000 scale, surface geochemical sampling, pitting/trenching and exploratory drilling with sampling under the UNFC G3 category.
- g. The Committee reviewed the proposal and observed that the area is entirely soil-covered and that GSI had already carried out G4-stage investigation for gold in the area, without reporting encouraging copper or gold mineralisation. Further, one scout borehole drilled under the RMT project intersected only thin stringers of copper mineralisation. In view of the insufficient database, the Committee advised the agency to undertake a field visit and collect representative samples along the entire favourable zone. If consistent and encouraging analytical results are obtained, the agency may submit a DPR with proper justification for further consideration.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed Astakowali Block (G3) in Toposheet 73J/7 is based on a GSI, SU: Jharkhand, Ranchi G-4 exploration block for gold investigated during FS 2019–20 and falls within the Dhanjori Volcanics and Quartz-Pebble Conglomerate, known to host gold and associated mineralization. However, no part of the said G-4 block has been further upgraded to G-3 by GSI, Ranchi. An STM project with a mineral-biased objective is currently being carried out by GSI, Ranchi in FS 2026–27 in the adjacent area. GSI, Ranchi has not commented on the possibility of copper occurrence, which forms the basis of the present proposal. However, the proposed NPA block does not overlap with any ongoing or immediate proposal of GSI, Ranchi. Hence, a suitable decision may be taken based on the facts stated above.
2	MECL	The proposed block has no overlap with the ongoing or completed blocks of MECL.

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3	AMD	AMD has not carried out any exploration work in the proposed block.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	Partially overlaps with the NMEDT funded NRD TATA Project –Musabani (G4). Besides, some portion falls in recorded forest area (approx. 25%).

Recommendations of TCC-1:

The Committee did not recommend the proposal as sufficient database is not available to establish the continuity and potential of mineralisation. The agency was advised to undertake a field visit and collect representative samples along the entire favourable zone. If consistent and encouraging analytical results are obtained, the agency may submit a DPR with proper justification for further consideration.

Agenda 105.2.3. General exploration (G2) for Limestone and Dolomite in Bher Extension block, Nagaur District, Rajasthan (Proposal ID: ME/IN/G3/RJ/P/26-27/269)

[Implementing Agency: M/s N G Gadhiya]

- The proposed block falls within Survey of India Toposheet No. 45E/08 and is predominantly underlain by thickly bedded stromatolitic limestone and dolomitic limestone with clay intercalations of the Pondlo and Nagaur Formations of the Marwar Supergroup.
- The Committee noted that GSI had carried out systematic geological mapping in parts of Nagaur, Bikaner and Churu districts during FS: 1984–85, wherein cherty and magnesium-rich limestone was reported, with better quality observed below 1–2 m of overburden. Good-quality limestone potential was reported around Rol, Sarasni, Deh and Mundwa.
- The Committee further noted that DGM, Rajasthan, carried out exploration for limestone in the Madpura, Panchla and Achina areas during FS: 2008–12. Based on the results of six boreholes, 41.74 million tonnes of geological reserves of magnesian limestone were estimated in the Bher Block.
- The agency informed that two representative samples were collected from the proposed block, which reported CaO values of 47.39–55.24%, MgO values of 0.20–5.64% and SiO₂ values of 0.39–1.82%. Based on the available data, the agency presented the proposal for exploration of limestone and dolomite.
- The Committee observed that a portion of the proposed area falls within the buffer zone of a pre-auction mining lease for limestone and advised the agency to exclude the overlapping area. The agency informed that the proposal is intended for G3-stage exploration instead of G2 stage, and the Committee advised the agency to communicate with the NMEDT Secretariat to confirm the appropriate stage and title of the proposal.
- The Committee further advised that five boreholes would be sufficient for completing the G3-stage exploration in the block. The agency was advised to undertake a field visit, collect representative samples covering the entire area and submit a revised DPR after incorporating the suggestions of the Committee.

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Sl. No.	Agency	Brief Comments
1	GSI	Apart from geochemical mapping in FS 2021-22, systematic geological mapping in 1984-85, and predictive geological mapping (PGM) scheduled for 2026-27, no specific exploration work for limestone and dolomite has been carried out by GSI within the proposed NPEA block in toposheet 45E/08. Past GSI limestone exploration activity in the region was confined to adjacent toposheets 45F/5, F/6, F/9, and F/13 during FS 1966-68.
2	MECL	The proposed block by M/s N G Gadhiya has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	No overlapping present
4	State DMG/DGM/CGM	Not Received
5	NMEDT	No NMEDT funded block is present nearby the proposed block however it is surrounded by Aravalli Buffer Zone from all sides.

Recommendations of TCC-1:

The Committee approved the proposal in principle and the agency was advised to submit a revised DPR after excluding the overlapping buffer zone and limiting the drilling programme to five boreholes for completion of the G3-stage exploration work.

The in-principle approval is subject to comments from State DGM. The DPR may be submitted within 2 months.

Agenda 105.2.4. Preliminary Exploration (G3) for Pb and associated base metals at Magardaha Block, Sonbhadra District, Uttar Pradesh (Proposal ID: ME/IN/G3/UP/P/26-27/228)

[Implementing Agency: M/s MAPL]

- The Committee noted that the proposed block falls within Survey of India Toposheet No. 63L/15 and is predominantly underlain by metasediments of the Mahakoshal Group.
- The Committee noted that GSI has carried out reconnaissance surveys for tungsten, gold and associated base-metal mineralisation in Sonbhadra district, Uttar Pradesh, since 2000.
- The Committee further noted that GSI carried out G4-stage reconnaissance exploration for tungsten mineralisation in and around Garapathar–Kurkuti–Semada areas during FS: 2023–24. Encouraging base-metal values were reported at Kurkuti, Magardaha, Bhaurakund and Khairahi, with Pb values ranging from 10 to 59,600 ppm and Cu values ranging from 21 to 349 ppm in bedrock samples.
- Based on the available data, the agency proposed Preliminary Exploration (G3 Stage) for Pb and associated base metals, comprising detailed geological mapping at 1:4000 scale, pitting/trenching and exploratory drilling with sampling to assess the mineral resources under the UNFC G3 category.
- The Committee reviewed the proposal and observed that, although the available Pb mineralisation data is encouraging, the existing database is sketchy and insufficient to support G3-stage exploration.

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- f. The Committee advised the agency to undertake a field visit to assess the extension of the already identified mineralised zones, collect channel samples from the intervening/gap areas, analyse the samples and establish the surface continuity of the mineralised quartz veins. If the analytical results are encouraging, the agency may submit a DPR in the upcoming TCC meeting.

Sl. No.	Agency	Brief Comments
1	GSI	Past reconnaissance/exploration work in and around the proposed area covered tungsten (FS 2023-24 and 2004-05), gold and associated base-metal/sulphide mineralization (FS 2021-22 and 2018-19), PGE (FS 2004-05), and petro-mineralogical/geochemical investigations related to gold and associated elements (FS 2005-06) in the Sonbhadra district of Uttar Pradesh and adjoining Sidhi district of Madhya Pradesh. No project proposal has been taken related to Pb and associated mineral during current field season (2026-27) and not proposed for next field season (2027-28) in the proposed block area.
2	MECL	The proposed block by M/s Mining Associates Private Limited has no overlapping with the ongoing or completed blocks of MECL.
3	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.
4	State DMG/DGM/CGM	No overlapping
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area. Besides, some portion falls in recorded forest area (approx. 98%).

Recommendations of TCC-1:

The Committee accorded in-principle approval to the proposal and advised the agency to undertake a field visit to assess the extension of the already identified mineralised zones, collect channel samples from the gap areas, analyse the samples and establish the surface continuity of the mineralised quartz veins. The agency may submit the DPR in the upcoming TCC meeting if the analytical results are encouraging. The DPR may be submitted within 2 months.

**Agenda 105.2.5. Preliminary Exploration for Aluminous Laterite, Vanadium, Titanium, Gallium and Associated Minerals (G3 level) in Yalgul Area, Sangareddy District, Telangana
(Proposal ID:ME/IN/G3/TG/P/26-27/193)**

[Implementing Agency: M/s Critical Mineral Trackers]

- a. The proposed block falls within Survey of India Toposheet No. 56G/09 and is predominantly underlain by basaltic lava flows of the Deccan Trap, resting

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unconformably over the Archaean Gneiss–Granite Complex of the Eastern Dharwar Craton. Infra-trappean beds occur between the Deccan Trap and the Peninsular Gneissic Complex, with laterite forming a cap over the Deccan Trap.

- b. The Committee noted that GSI carried out G4-stage reconnaissance exploration for aluminous laterite in the Naimatabad area, Sangareddy District, Telangana, during FS: 2024–25. Bedrock samples from the Yalgul Sector reported Al_2O_3 values of 23.09–29.81%, V values of 293–632 ppm, Sc values of 28–138 ppm and TiO_2 values of 1.15–3.62%.
- c. Based on the available data, the agency proposed G4-stage exploration for aluminous laterite/bauxite, comprising geological mapping at 1:12500 scale, pitting/trenching and exploratory drilling with sampling to assess the mineral resources under the UNFC G4 category.
- d. The agency informed that field work was carried out in the proposed area and three samples were collected, which reported Al_2O_3 values up to 15.48%, V_2O_5 up to 0.23% and TiO_2 up to 2.71%.
- e. The Committee reviewed the proposal and observed that no analytical data is available for the proposed area from the GSI G4-stage investigation. The three samples collected by the agency were considered insufficient to support further-stage exploration.
- f. The Committee advised the agency to undertake a field visit and collect representative samples from selected sections covering the entire proposed area. If the analytical results are encouraging, the agency may submit a DPR for further consideration. The agency was also advised to maintain an appropriate buffer from the adjacent NMEDT-funded project.

Sl. No.	Agency	Brief Comments
1	GSI	GSI has carried out G4 stage work in the area during 2024- 25
2	MECL	no overlap
3	AMD	No overlap
4	State DMG/DGM/CGM	Details not furnished for past reconnaissance or exploration work conducted under state DMG. At present there are no existing mining/quarry leases in the proposed area. Based on past baseline/exploration data, proposed area could be feasible for taking up Aluminous Laterite, Vanadium, Titanium, Gallium and Associated Minerals.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area. Besides, some portion falls in recorded forest area (approx. 9.46%).

Recommendations of TCC-1:

The Committee accorded in-principle approval to the proposal and advised the agency to undertake a field visit and collect representative samples from selected sections covering the entire proposed area. If the analytical results are encouraging, the agency may submit the DPR for further consideration within 3 months.

**Agenda 105.2.6. Reconnaissance Survey (G4) for Limestone, in parts of Jampui Hills, Jampui Block, North Tripura District, Tripura
(Proposal ID: ME/IN/G4/TR/P/26-27/194)**

[Implementing Agency: M/s Critical Mineral Trackers]

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- a. The proposed block falls within parts of Survey of India Toposheet Nos. 83D/08 and 84A/05 and is predominantly underlain by sandstone and siltstone with limited exposures of limestone belonging to the Upper Bhuvan Group of the Surma Series.
- b. The Committee noted that GSI had carried out geological mapping and investigation for limestone in parts of North Tripura during FS: 1978–79, wherein only a few bands/lenses of shell limestone were identified and no economically significant mineral occurrence was reported.
- c. The Committee further noted that GSI carried out G4-stage investigation for limestone in the Jampui Range during FS: 1982–83. The limestone bands were reported to have CaO values of 28.56–76.00%, MgO of 1.00–2.01% and insoluble content of 21.33–39.47%, indicating low-grade limestone with high acid-insoluble content.
- d. Based on the available data, the agency proposed G4-stage exploration for limestone, comprising geological mapping at 1:12500 scale, pitting/trenching and exploratory drilling with sampling to assess the mineral resources under the UNFC G4 category.
- e. The Committee reviewed the proposal and observed that the limestone in the proposed area is of low grade and contains high silica/acid-insoluble content, making the area unsuitable for further exploration under the proposed programme. Accordingly, the Committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	GSI carried out two geochemical mapping projects in toposheet nos 84A/05 and 83D/08, during FS 2022-23 and FS 2023-24. As per the recommendations of the report and based on elemental distribution maps, the region does not show any viable mineralization anomaly and is not recommended for further mineral exploration. A mineral exploration project was carried out on hard rock in Jampui Hill range, North Tripura district and silica sand and plastic clay investigation in Bishramganj area, West Tripura district during FS 1989-90. At present no project is going on in the proposed area. From the previous data it is observed that the limestone bands are very thin and impersistent (Strike continuity very less). Hence, proposed area is not feasible for taking up limestone & associated minerals.
2	MECL	The proposed block by M/s Critical Mineral Trackers has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	No overlapping
4	State DMG/DGM/CGM	No systematic Limestone-specific reconnaissance/exploration work by the Directorate of Industries & Commerce, Government of Tripura, has been carried out in the proposed area of Jampui Hills, Jampui Block, North Tripura District, as per the records present thereon going. However, relevant GSI geological reports and exploration data may be examined to establish the occurrence, lithology, structural setting and mineral potential of the proposed area.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area. Besides, some portion falls in recorded forest area (approx. 83%).

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Recommendations of TCC-1:

The Committee did not recommend the proposal as the limestone in the proposed area is of low grade with high silica content, making it unsuitable for further exploration.

Agenda 105.2.7. Preliminary G-3 Stage Exploration for Placer Gold in Harmoti Block, Dikrang river Basin, Lakhimpur District, Assam (Proposal ID: ME/IN/G3/AS/P/26-27/265)

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

- The proposed block falls within parts of Survey of India Toposheet No. 83E/16 and is predominantly covered by sedimentary rocks of the Middle and Upper Siwalik Groups.
- GSI carried out G4-stage reconnaissance exploration for placer gold in and around the Dikrang River basin, Lakhimpur District, Assam, during FS: 2023–24. Gold occurrence was principally associated with the Older and Newer Alluvium, particularly the pebbly-cobbly horizons of Barpeta-I and Barpeta-II.
- The Committee noted that very low-grade gold values were reported from the proposed area around Harmuti through manual panning and pit digging, with grades ranging from 0.002 to 0.0225 g/m³ for one metre of surficial sediments.
- Based on the available data, the agency proposed G3-stage exploration for placer gold mineralisation, comprising pitting/trenching, sampling, panning and exploratory auger drilling with sampling to assess the mineral resources under the UNFC G3 category.
- The Committee reviewed the proposal and observed that nearly 40% of the proposed area overlaps with a tiger resource corridor. Further, the available GSI database indicates very low gold concentrations in the samples collected from the area. In view of these observations, the Committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	GSI, 2023-24 (G4 Stage), reported very low grade gold through manual panning and digging of pit in the proposed area (Harmuti, Lakhimpur District, Assam) with the grade ranging from 0.002g/m ³ meter to 0.0225g/m ³ for one meter of surficial sediments. Occurrence was found to be sporadic, and the maximum concentration in the proposed area was recorded in Newer Alluvium gravelly horizons, particularly in smaller nalas draining through the Siwalik, with exploration recommended in upstream catchment areas for better gold grades. Subsurface extension of gold occurrence beyond 1m was not ascertained considering the poor gold grade under present price trend. As, previous G3 stage investigation carried out by Tiwari et al, 2023 during FS 2022-23 on placer gold carried out in Gogamukh area of Dhemaji District, Assam where drilling was abandoned because of presence of boulders in the subsurface sediments. Hence, any further G3 investigation in the proposed area may be done with proper ground feasibility survey, large auger drillers and mechanized sluicing or gold separation from matrix of gravelly horizons under favorable gold prices.

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2	MECL	The proposed block by M/s. Sathi Planners Private Limited has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	No overlapping
4	State DMG/DGM/CGM	Awaited
5	NMEDT	There is no overlapping with the NMEDT Funded projects as per NGDR Portal. Besides, some portion falls in recorded forest area (approx. 77%).

Recommendations of TCC-1:

The Committee did not recommend the proposal as nearly 40% of the proposed area overlaps with a tiger resource corridor, while the existing GSI database indicates very low gold concentrations in the samples collected from the area.

Agenda 105.2.8. Reconnaissance Survey (G4 Stage) for REE in Amdarha area, Balangir Dist, Odisha.

(Proposal ID: ME/IN/G4/OD/P/26-27/250)

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

- The proposed block falls within Survey of India Toposheet No. 64P/02 and is predominantly underlain by granitic gneiss, charnockites, khondalites and calc-gneiss/schist of the Eastern Ghats Mobile Belt (EGMB), with later intrusions of pegmatites and quartz veins.
- The Committee noted that DoMG, Odisha, carried out investigation for pegmatites for precious and semi-precious stones in parts of Balangir district during FS: 1978–81, wherein pegmatite bodies of varying dimensions were identified at Mundomahul, Maghamara and Amdarha, with topaz, beryl and tourmaline reported. However, the REE potential of these pegmatites was not assessed.
- The Committee further noted that GSI carried out Predictive Mineral Potential Mapping in the Patnagarh–Titlagarh area during FS: 2022–24 to identify prospective zones for REE and base-metal mineralisation. Pegmatite veins intruding porphyritic granite gneiss reported a maximum TREE value of 4,322.84 ppm, with 14 out of 51 bedrock samples recording TREE values above 800 ppm and an average TREE concentration of approximately 750 ppm.
- Based on the available exploration data, the agency proposed G4-stage exploration for REE, comprising geological mapping at 1:12,500 scale, geochemical sampling, pitting/trenching, ground geochemical survey and exploratory drilling to assess the resource under UNFC 334.
- The Committee reviewed the proposal and observed that the proposal is primarily based on the RMT work carried out by GSI and that the agency has not generated additional data to substantiate the proposal.
- The Committee advised the agency to undertake a field visit, collect representative samples and obtain analytical results. The agency was further advised to submit a DPR with the analytical data and proper justification for further consideration.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block overlaps with G4- and G3-stage graphite exploration blocks, and an RMT block for base-metal and REE exploration being carried out by the GSI.

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		Further, no Composite License or Mining Lease for either major or minor minerals exists within the proposed block. In view of the above, the proposed block may be considered for G4-stage exploration for REE, subject to the existing exploration activities and applicable guidelines.
2	MECL	The proposed block by M/s MMPL Private Limited has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	AMD has not carried out any exploration work in the proposed block
4	State DMG/DGM/CGM	The proposed block has been partially investigated by DoMG during F.S. 1978–81 through geological mapping on a 1:50,000 scale, wherein pegmatite bodies of appreciable dimensions were identified at Mundomahul, Maghamara, and Amdarha. The occurrence of gemstones such as topaz, beryl, and tourmaline indicates the potential of the area for pegmatite-hosted mineralization. However, the REE potential of the pegmatites was not assessed in the earlier investigation. The proposed block was examined with respect to the available Group Plan, and no overlapping Composite License (CL) or Mining Lease (ML) block was observed.
5	NMEDT	Two NMEDT Funded blocks were presented in the vicinity of the Proposed Block (i. Reconnaissance survey (G4) for Graphite in Khairmal block (83.34 Sq. Km), Bolangir District, Odisha-OMC Ltd, and ii. Salepalli block – MECL). Newly proposed Sunamudi Block by M/s MMPL Pvt Ltd is present in the vicinity. Besides, some portion falls in recorded forest area (approx. 23%).

Recommendations of TCC-1:

The Committee accorded in-principle approval to the proposal and advised the agency to undertake a field visit, collect representative samples and submit a DPR with analytical data and proper justification for further consideration within 3 months.

Agenda 105.2.9. Reconnaissance Survey (G4 Stage) for REE in Sunamudi area, Balangir Dist, Odisha

(Proposal ID: ME/IN/G4/OD/P/26-27/251)

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

- The proposed block falls within Survey of India Toposheet No. 64P/02 and is predominantly underlain by granitic gneiss, charnockites, khondalites and calc-gneiss/schist of the Eastern Ghats Mobile Belt (EGMB), with later intrusions of pegmatites and quartz veins.
- The Committee noted that DoMG, Odisha, carried out investigation for gemstones around Goelpita, Pipalpadar, Bandhapada and Talpali areas of Balangir district during 2000–01, wherein garnetiferous granite gneiss and soil were encountered. The REE potential of the area was not assessed.
- The Committee further noted that GSI carried out Predictive Mineral Potential Mapping in the Patnagarh–Titlagarh area during FS: 2022–24 to identify prospective zones for

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REE and base-metal mineralisation. Pegmatite veins intruding porphyritic granite gneiss reported a maximum TREE value of 4,322.84 ppm, with 14 out of 51 bedrock samples recording TREE values above 800 ppm and an average TREE concentration of approximately 750 ppm.

- d. Based on the available exploration data, the agency proposed G4-stage exploration for REE, comprising geological mapping at 1:12,500 scale, geochemical sampling, pitting/trenching, ground geochemical survey and exploratory drilling to assess the resource under UNFC 334.
- e. The Committee reviewed the proposal and observed that nearly 30% of the proposed area overlaps with a GSI-approved G4-stage investigation project for FS: 2027–28.
- f. The Committee advised the agency to exclude the area overlapping with the GSI project, re-examine the intervening and adjoining areas, delineate a potential block and submit a fresh proposal for in-principle approval.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block overlaps with the proposed G4-stage REE, RM and associated mineralisation exploration block of GSI for FS 2027–28, for which Internal Peer Review has already been completed and the project is under finalisation. It also slightly overlaps with MECL's graphite exploration block (EC16). Hence, due to the overlap with the ongoing/proposed GSI project, the proposed area is not recommended in its present form.
2	MECL	The proposed block has no overlap with the ongoing or completed blocks of MECL.
3	AMD	AMD has not carried out any exploration work in the proposed block
4	State DMG/DGM/CGM	The area has been partially covered by DoMG during FS 2000–01 through geological mapping on 1:50,000 scale; however, the potentiality of REE was not assessed. A small portion on the northern side of the proposed block overlaps with the Tamiya Block (G4) and Pudapadar-Bharatbahal Block (G4) explored by MECL. Hence, the available exploration data and overlap with existing MECL blocks may be considered while evaluating the proposal.
5	NMEDT	Two NMEDT funded blocks (Laramba (G3 block) and Tamiya South Block (G2) - MECL) implemented by MECL slightly overlap with the present proposed block. Apart from these, three NMEDT funded blocks of MECL are present within the vicinity of the proposed block [(i) Kumaipali Block, (ii) Dunguripalli Block, and (iii) Antapali Block]

Recommendations of TCC-1:

The Committee did not recommend the proposal as the proposed area does not presently establish a sufficiently prospective zone for REE exploration, with nearly 30% of the area also overlapping with a GSI-approved G4-stage investigation project for FS: 2027–28.

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The agency was advised to exclude the GSI block, re-examine the adjoining and intervening areas, delineate a potential zone, and submit a fresh proposal for in-principle approval.

**Agenda 105.2.10. Reconnaissance survey (G4 stage) for Base metal and REE in Bhadra area, Balangir and Kalahandi district, Odisha
(Proposal ID: ME/IN/G4/OD/P/26-27/254)**

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

- The Committee reviewed the proposal and noted that AMD has carried out G4-stage investigation in and around the proposed block in different phases.
- The Committee further noted that grab samples collected from the area have reported ThO₂ values up to 0.52%. AMD informed that, in view of the known occurrence of thorium and the scope for future follow-up exploration, the proposed block is not recommended for exploration.
- In view of the above observations and the comments of AMD, the Committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block overlaps with G4-stage exploration blocks of GSI for base-metal, graphite and REE mineralisation. It also overlaps with G4- and G3-stage exploration blocks of GSI for manganese and graphite. In addition, portions of the proposed block overlap with the taken-over mining lease areas for quartz (TM-111 and TM-112), as well as Cluster-51 and Cluster-63. In view of the above-mentioned overlaps, particularly with the GSI exploration blocks, existing/taken-over mining lease areas and identified clusters, the proposed block is not recommended in its present form. The block boundary may be suitably modified by excluding the overlapping areas and reassessed for its remaining mineral prospectivity before consideration.
2	MECL	The proposed block has no overlap with the ongoing or completed blocks of MECL.
3	AMD	In view of the known potential for atomic minerals including Uranium & Thorium in and around the proposed block and future follow up exploration by AMD, the proposed block is not recommended.
4	State DMG/DGM/CGM	The proposed block overlaps with Cluster-63 (Bhikabahal Basemetal Block), which has been allotted to the Directorate of Mines and Geology (DoMG) and is presently under exploration. The block also partly overlaps with the Boringpadar–Amath Manganese Block explored by GSI during Field Season 2016–17 and the Amath Manganese GM Block explored by GSI. Further, portions of the proposed block overlap with the Bhaludungri–Turlangpadar Basemetal Block (CN-317), proposed for allocation to M/s MMPL Pvt. Ltd., and the Sisakhal Basemetal Block (CO-1), proposed for allocation to Novamines India Pvt. Ltd. In view of these significant overlaps with ongoing and previously explored mineral

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		blocks, as well as blocks proposed for allocation, the proposed area is not recommended in its present form. The overlapping areas should be excluded and the revised block may be reassessed for its remaining mineral potential.
5	NMEDT	One NMEDT Funded block is overlapping with the present proposed block - Reconnaissance survey (G4) for Graphite in Thapen-Bazargarh Block (116.498 Sq. Km), Kalahandi District, Odisha by OMECL and other NMEDT funded projects present in the vicinity of the proposed block (i.Reconnaissance Survey (G-4) for Graphite and associated minerals in Ampali Area, Balangir District, Odisha by MECL_ii. Regional Mineral Targeting in Madanpur-Rampur-Kankatru area to identify prospective zones of REE and Base Metal mineralization in Kalahandi District, Odisha- Natural Resources Division (NRD), Tata Steel Limited (TSL)). Besides, some portion falls in recorded forest area (approx. 14%).

Recommendations of TCC-1:

The Committee did not recommend the proposal as the proposed block overlaps with an area where significant uranium and thorium occurrences have been reported. In view of the presence of atomic minerals, AMD has not accorded consent for undertaking exploration in the proposed area.

Agenda 105.2.11. Preliminary Investigation (G3 Stage) for Manganese and Associated Minerals in Raiyatwari-Sitapath-Kharpariya Block-A, B & C for Manganese, Dist: Balaghat & Seoni, Madhya Pradesh

(Proposal ID: ME/IN/G3/MP/P/26-27/256)

[Implementing Agency: APC Drilling & Constructions Pvt Ltd.]

- The proposed block falls within Survey of India Toposheet No. 55O/10 and is predominantly underlain by crystalline limestone, quartz-muscovite-biotite schist, calc-silicate/amphibolite, biotite gneiss, younger pegmatite and quartz veins, along with some laterite patches of the Sausar Group.
- The Committee noted that GSI carried out reconnaissance survey for manganese in the Sausar Group during FS: 2023–24 in the Piparwani, Agri and Koylari areas of Seoni and Balaghat districts. Manganese mineralisation occurs as NNE–SSW to ENE–WSW trending conformable bands enclosed within phyllite and quartz-muscovite schist, within biotite gneiss, and occurs as lenses of varying dimensions.
- The Committee further noted that GSI carried out reconnaissance survey for manganese during FS: 2024–25 in the Jogitola, Tikari and Dongargaon areas of Balaghat district. BRS samples reported MnO values ranging from 0.08% to 67.49%, with a mean of 17.84%, while PTS samples reported values ranging from 0.23% to 50.37%, with a mean of 15.22%.
- Based on the available data, the agency proposed Preliminary Exploration (G3 Stage) for manganese in three blocks, namely Blocks-A, B and C, comprising detailed geological mapping at 1:4,000 scale, pitting/trenching and exploratory drilling with sampling to assess the mineral resources under the UNFC G3 category.
- The Committee reviewed the proposal and observed that GSI is already undertaking G3-stage manganese exploration in Blocks-B and C. Further, the available data

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presented by the agency regarding the dimensions and continuity of manganese mineralisation in the proposed block is sketchy.

- f. The Committee advised the agency to undertake a field visit, assess the surface disposition and strike length of the manganese bands, and collect and analyse representative samples from the intervening/gap areas. If manganese bands of considerable width and strike length are established, the agency may submit a modified proposal/DPR for further consideration.

Sl. No.	Agency	Brief Comments
1	GSI	Considering that the area hosts good Mn mineralization, further exploration potential has been assessed with due consideration to the extent of overlap with blocks already taken up by GSI. Raiyatwari–Sitapath–Kharpariya Block B has approximately 80% overlap with a GSI block where exploration is already in progress, while Block C has approximately 50% overlap with the GSI-taken block. In view of the significant overlap and the consequent repetition of exploration efforts, further exploration in Blocks B and C may not be warranted. However, considering the favourable Mn mineralization in the area and comparatively lower overlap, further Mn exploration may be considered in Raiyatwari–Sitapath–Kharpariya Block A.
2	MECL	The proposed block by M/s APC Drilling & Construction Private Limited has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	No overlapping
4	State DMG/DGM/CGM	Awaited
5	NMEDT	There is partial overlapping with NMEDT funded block in the proposed area. Besides, some portion falls in recorded forest area (approx. 78.23%).

Recommendations of TCC-1:

The Committee accorded in-principle approval to the proposal and advised the agency to undertake a field visit to assess the surface disposition and strike length of the manganese bands, and collect and analyse representative samples from the gap areas. If manganese bands of considerable width and strike length are established, the agency may submit a modified proposal/DPR for further consideration within 2 months.

Agenda 105.2.12. Preliminary Survey for copper and associated gold mineralization in Naharwari Block, Udaipurwati tehsil, Jhunjhunu district, Rajasthan (G3)

(Proposal ID: ME/IN/--Select--/RJ/P/26-27/227)

[Implementing Agency: Southwest Pinnacle]

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- a. The Committee reviewed the proposal and noted that AMD has carried out G4-stage exploration in and around the proposed area, wherein grab samples collected from the area have reported U_3O_8 values up to 0.49%.
- b. AMD further informed that, in view of the known occurrence of uranium and the scope for future follow-up exploration, the proposed block is not recommended for exploration.
- c. In view of the above observations and the comments of AMD, the Committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	At present, the proposed Naharwari NPEA block overlap (1.19 sq km) with the G3 exploration project approved by GSI in FS 2027- 28. Previous G4-stage exploration in the Girwari-Naharwari-Kerpura area, Jhunjhunu District and G4 exploration in Pachlagi- Narsingpuri indicates favorable potential for copper and associated gold mineralisation.
2	MECL	The proposed block by M/s South West Pinnacle Exploration Limited has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	AMD has carried out G4 stage of exploration for uranium in and around the proposed block in different phases. Grab samples analysed up to 0.49% U_3O_8 from the area. Active sub-surface exploration is going on in Jahaz and Hurra ki Dhani areas towards north east of the proposed block. AMD does not have baseline / exploration data on the said commodities mentioned. In view of the known potential for uranium in and around the proposed block and future follow up exploration by AMD, the proposed block is not recommended.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	There is no overlapping with the NMEDT Funded projects.

Recommendations of TCC-1:

The Committee did not recommend the proposal as the proposed block overlaps with an area where significant uranium occurrences have been reported. In view of the presence of atomic minerals, AMD has not accorded consent for undertaking exploration in the proposed area.

Agenda 105.2.13. Preliminary Survey for copper and associated gold mineralization in Naharpura Block, Udaipurwati tehsil, Jhunjhunu district, Rajasthan (G3)

(Proposal ID: ME/IN/--Select--/RJ/P/26-27/226)

[Implementing Agency: Southwest Pinnacle]

- a. The Committee reviewed the proposal and noted that AMD has carried out G4-stage exploration in and around the proposed area, wherein grab samples collected from the area have reported U_3O_8 values up to 0.082%.

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- b. AMD further informed that, in view of the known occurrence of uranium and the scope for future follow-up exploration, the proposed block is not recommended for exploration.
- c. In view of the above observations and the comments of AMD, the Committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	At present, no GSI G3-stage projects overlap with the proposed NPEA block. Previous G4-stage exploration in the Girwari-Naharwari-Kerpura area, Jhunjhunu district and G4 exploration in Pachlagi-Narsingpuri indicates favorable potential for copper and associated gold mineralisation.
2	MECL	The proposed block by M/s South West Pinnacle Exploration Limited has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	AMD has carried out G4 stage of exploration for uranium in and around the proposed block in different phases. Grab samples analysed up to 0.082% eU ₃ O ₈ from the area. Active sub-surface exploration is going on in Jahaz and Hurra ki Dhani areas towards north east of the proposed block. AMD does not have baseline / exploration data on the said commodities mentioned. In view of the known potential for uranium in and around the proposed block and future follow up exploration by AMD, the proposed block is not recommended.
4	State DMG/DGM/CGM	Awaited
5	NMEDT	There is no overlapping with the NMEDT Funded projects.

Recommendations of TCC-1:

The Committee did not recommend the proposal as the proposed block overlaps with an area where significant uranium occurrences have been reported. In view of the presence of atomic minerals, AMD has not accorded consent for undertaking exploration in the proposed area.

**Agenda 105.2.14. Reconnaissance Survey for Graphite & REE in Birida-Baripal-Jhakuda-Manisakana Area, Rayagada District, Odisha” (G4 Stage)
(Proposal ID: ME/IN/G4/OD/P/26-27/276)
[Implementing Agency: HK & Associates]**

- a. The Committee dropped the proposal as the implementing agency was not present in the meeting. Accordingly, the proposal could not be reviewed.

Recommendations of TCC-1:

The Committee dropped the proposal as the implementing agency was not present in the meeting. Accordingly, the proposal could not be reviewed.

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Agenda 105.2.15. Preliminary exploration (G3) for Nb-Ta in granite and associated rocks in Darsi Hills area, Prakasam district, Andhra Pradesh (Darsi Hills Block).

(Proposal ID: ME/IN/G3/AP/P/26-27/261)

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

- a. The proposed block falls within Survey of India Toposheet No. 57M/09 and forms part of the Northern Nellore Schist Belt (NSB). The area is predominantly underlain by younger granitic intrusive rocks, represented by hornblende-biotite granite and biotite granite.
- b. The Committee noted that GSI carried out G4-stage reconnaissance exploration for REE and RM mineralisation in granite and associated rocks in the Chalivendra–Marlapalem area, Prakasam district, during FS: 2023–24.
- c. The Committee further noted that the combined G4 and ITM datasets reported elevated TREE and Nb+Ta values in bedrock and regolith/soil samples, based on which four potential zones were delineated. Zone-I, Zone-II and Zone-IV were identified for further exploration of REE and Nb+Ta, while Zone-III was identified for further REE exploration.
- d. Based on the G4 investigation, a 2.65 sq. km Darsi Hills Block was delineated for detailed investigation. The 12 bedrock samples falling within the proposed block reported $\text{Nb}_2\text{O}_5 + \text{Ta}_2\text{O}_5$ values ranging from 93.04 to 375.41 ppm, with an average of 221.03 ppm, while Nb_2O_5 values ranged from 87.19 to 355.88 ppm, with an average of 208.84 ppm.
- e. Based on the available geological and geochemical data, the agency proposed G3-stage exploration for Nb-Ta mineralisation in granite, comprising detailed geological mapping at 1:2,000 scale, pitting/trenching and exploratory drilling with sampling to assess the mineral resources under the UNFC G3 category.
- f. The Committee reviewed the proposal and observed that the proposed area is predominantly occupied by granite, with relatively low and broadly uniform Nb-Ta values. The agency has not presented sufficient geological control or supporting database to justify the G3-stage proposal. The Committee advised the agency to undertake a field visit, establish the field evidence and control of mineralisation, collect representative samples, carry out analytical and mineralogical studies, and submit a revised proposal incorporating adequate supporting data and proper justification for undertaking G3-stage exploration.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed NPEA area falls within the Chalivendra-Marlapalem G4 Block, which was investigated during FS 2023-24. During FS 2023-24, GSI collected 13 BRS (Nb+Ta: 65 to 264 ppm) and 9 soil samples (Nb+Ta: 72 to 246 ppm) from the proposed NPEA area. This block also falls under the ongoing Regional Mineral Targeting project of FS 2026-27. The feasibility of taking up further exploration may be examined on technical grounds.

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2.	MECL	The proposed block by M/s Geo Marine Solutions Pvt. Ltd. has no overlapping with the ongoing or completed blocks of MECL.
3.	AMD	Not Received
4.	State DMG/DGM/CGM	Not Received
5.	NMEDT	The proposed NPEA area falls within the Chalivendra-Marlapalem G4 Block, which was investigated during FS 2023-24. During FS 2023-24, GSI collected 13 BRS (Nb+Ta: 65 to 264 ppm) and 9 soil samples (Nb+Ta: 72 to 246 ppm) from the proposed NPEA area. This block also falls under the ongoing Regional Mineral Targeting project of FS 2026-27. The feasibility of taking up further exploration may be examined on technical grounds.

Recommendations of TCC-1:

The Committee did not recommend the proposal as the agency has not presented sufficient geological control and database to justify the G3-stage exploration. The agency was advised to undertake a field visit, establish the field evidence and control of mineralisation, collect and analyse representative samples, identify the mineralogy, and submit a revised proposal with adequate supporting data and proper justification for G3-stage exploration.

105.3: Review of Ongoing Procurement Project

Agenda 105.3.1. Procurement of machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.

[Implementing Agency: DGM Mizoram]

- The committee was informed that the project was approved in the 27th EC Meeting held on 10th January, 2023. The Sanction Order was issued on 24th March, 2023 with timeline of 12 months (i.e up to 23.03.2024) and approved cost was INR 3,09,32,000/-. The timeline was extended upto 30.09.2026 during 9th PSC meeting.
- DGM Mizoram informed that Research Polarizing Microscope and Vibratory Cup Mill were delivered on 14.09.2026, however, their installation, commissioning and training are yet to be done.
- DGM Mizoram informed that the supplier delayed the delivery of the Fusion Bead Machine and it would be delivered by 30.11.2026.
- The purchase order for Fusion Bead Machine has been placed whereas, purchase order for hydrostatic drilling rig is yet to be placed.
- DGM Mizoram sought timeline extension upto 31.12.2026 to complete the procurement.

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Recommendations of TCC-1:

The committee recommended the timeline extension upto 31.12.2026 for approval of PSC of NMEDT.

105.4: Review of Ongoing Exploration Project

Agenda 105.4.1. Reconnaissance Survey (G-4 stage Exploration) for Phosphorite & Associated Minerals in Kaphalda Block, Dist-Dehradun & Tehri Garhwal, State- Uttarakhand.

[Implementing Agency: MECL]

- a. The committee was informed that the project was approved in the 40th EC Meeting held on 21st February, 2025. The Sanction Order was issued on 05th March, 2025 with timeline of 12 months (i.e up to 04.03.2026) and approved cost was INR 3,18,44,525/-. The timeline was extended upto 30.08.2026 during 10th PSC meeting.
- b. The project was reviewed in 31st TCC-2 meeting wherein the committee based on the discussions opined that there was not ample support of available analysis results to recommend starting of borehole drilling. The committee advised pre-closure of the project due to insignificant values of Phosphorite. Further, it advised the agency to revise its cost sheet during final review of the chemical analysis results. The Committee advised pre-closure of the project due to insignificant values of Phosphorite.
- c. During the present review, MECL presented the compliance status of the peer reviewer's comments before the Committee and requested an extension of the project timeline up to 30.09.2026 for submission of the final GR.
- d. The Committee observed that the phosphorite values at the surface are not sufficiently encouraging and therefore, advised that the term "upgradable" be removed from the report. The Committee further advised MECL to submit the final GR to NMEDT.
- e. The committee recommended extension of the project timeline up to 30.09.2026.

Recommendations of TCC-1:

The committee recommended extension of the project timeline up to 30.09.2026 for approval of PSC of NMEDT for final GR submission.

Agenda 105.4.2. Preliminary Exploration (G-3) for Limestone in Dhunki-Chilai block District- Yavatmal, Maharashtra.

[Implementing Agency: MECL]

- a. MECL informed that the project was approved during 40th EC Meeting held on 21st February, 2025. The Sanction Order was issued on 5th March, 2025 with timeline of 8 months (up to 04.11.2025) and approved cost was INR 97,95,299/-. Timeline extension upto 15.03.2026 was approved during 7th PSC meeting. The cost was revised to INR 89,35,656/- during 91st TCC meeting.
- b. The agency informed that the report has been submitted within the approved timeline. However, there was revision in the cost due to change in the labor rates and accordingly the rate of GR has increased as compared to the approved cost.
- c. MECL sought ratification in the cost. The committee suggested revision of cost to be taken up in the next TCC meeting.

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Recommendations of TCC-1:

The committee recommended cost revision to be taken up in the next TCC meeting.

**Agenda 105.4.3. Preliminary Exploration (G3) for Limestone Patharia in Block, Districts: Sagar and Damoh, Madhya Pradesh.
[Implementing Agency: M/s. Unised Research Consultants Pvt. Ltd.]**

- a. The agency did not present the progress and request for review in next TCC meeting.

Recommendations of TCC-1:

The agency did not present the progress.

**Agenda 105.4.4. Preliminary Exploration (G3) for Nickel, Chromium & Rare Metals in Vemula Block, YSR (Kadapa) District, Andhra Pradesh.
[Implementing Agency: MTCS]**

- a. MTCS Ltd. informed that the project was approved in the 42nd EC Meeting held on 2nd June, 2025. The Sanction Order was issued on 1st July, 2025 with timeline of 12 months (up to 30.06.2026) and approved cost was INR 4,80,32,955/-.
- b. Time line of project was extended upto 31.08.2026 by PSC in its 9th meeting and 28.02.2027 by PSC in its 12th meeting.
- c. The agency presented the progress of work and apprised the committee that overall physical progress is 60–70%, with geological, geophysical and topographical surveys and bedrock sampling completed, while analytical studies are 75–80% complete. Trenching completed and 50% IP-resistivity survey completed and Phase-II core drilling (1,250 m) with associated sampling/analysis is yet to commence.
- d. Geological mapping over 3.80 sq. km identified gabbro, peridotite, siliceous dolomite and stromatolitic limestone/marble with NW–SE trending foliation/bedding and E–W joints; anomalous geochemical values were recorded in melanocratic olivine gabbro (MOG).
- e. The Committee reviewed the progress of work and advised the agency to initially complete the drilling and sampling of one borehole. Further drilling may be considered based on the analytical results of the samples obtained from the borehole.
- f. The committee further advised that, if encouraging nickel values are encountered in the first two boreholes, further boreholes may be drilled, subject to the approval of the committee.
- g. The committee also suggested to drill the borehole upto the mineralized zone or the gabbro unit whichever is intersected earlier.

Recommendations of TCC-1:

The Committee further advised the agency to initially complete the drilling and sampling of one borehole and based on the analytical results further drilling may be considered and recommended by the committee.

Agenda 105.4.5. Preliminary Exploration of Iron ore and associated minerals in Bamuri Area, Sidhi, MP.

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[Implementing Agency: MMPL Pvt. Ltd.]

- a. MMPL informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The Sanction Order was issued on 6th January, 2025 with timeline of 12 months (up to 05.01.2026) and approved cost was INR 2,86,60,693/-The timeline was extended upto 15.06.2026 during 5th PSC and 30.09.2026 during 9th PSC meeting.
- b. The committee was apprised that analytical results of few borehole samples are awaited and the GR is under preparation and hence requested for extension of timeline upto 30.11.2026.
- c. The committee agreed for timeline extension upto 30.11.2026 for final GR submission.

Recommendations of TCC-1:

The committee recommended timeline extension up to 30.11.2026 for approval of PSC of NMEDT. The timeline extension is recommended for completion of the work and submission of the final Geological Report.

Agenda 105.4.6. Preliminary exploration (G3) for Iron ore and associated minerals in Amhawa Block, Sidhi District, Madhya Pradesh.

[Implementing Agency: MMPL Pvt. Ltd.]

- a. The agency did not present the progress and requested for review in next TCC meeting as the analytical results were awaited.

Recommendations of TCC-1:

The agency did not present the progress.

Agenda 105.4.7. Preliminary Exploration (G-3 Stage) for aluminous laterite and associated critical minerals in Govindagude & Sudigudde block, Udupi District, Karnataka.

[Implementing Agency: Critical Mineral Trackers]

- a. The agency informed that the project was during 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 6 months (up to 09.08.2025) and approved cost was INR 44,24,191/-.
- b. Timeline extension upto 31.10.2025, 31.01.2026, 31.03.2026, 31.07.2026 and 31.10.2026 was approved during 79th TCC-1, 3rd PSC, 5th PSC, 8th PSC and 11th PSC meetings respectively.
- c. The agency informed the committee the project was delayed due to delay in getting forest clearance.
- d. The Committee was informed that drilling activities in the block commenced on 15.09.2026, and the agency requested an increase in the proposed borehole depth. The Committee advised the agency to initially complete one deeper borehole up to a depth of 25 m and thereafter come for review. The committee would then consider for further enhancement in the depth of borehole.
- e. The agency requested for revision in cost due to change in drilling from outsource to in house.

Recommendations of TCC-1:

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The decision regarding change in drilling from outsource to in house was not recommended by the committee. The committee recommended to complete one deeper borehole up to a depth of 25 m and thereafter come for review for further enhancement in the depth of borehole.

Agenda 105.4.8. Reconnaissance survey (G4) for Ni, Cr and PGE in Charoti Area, Palghar District, Maharashtra.

[Implementing Agency: Critical Mineral Trackers]

- a. Critical Mineral Trackers informed that the project was approved in the 4th PSC Meeting held on 13th January, 2026. The Sanction Order was issued on 2nd February, 2026 with timeline of 10 months (up to 01.12.2026) and approved cost was INR 1,37,54,452/-.
- b. The project was reviewed in the 100th TCC-I meeting where in the committee suggested to complete the petrographic studies and present the project for review.
- c. The agency informed that petrographic studies of 40 samples have been completed, of which 24 samples were identified as olivine-rich basalt. The olivine rich samples have been sent for PGE analysis.
- d. The Committee was informed that pitting work has been completed and the collected samples have been submitted for laboratory analysis.
- e. The Committee observed that the analytical results obtained so far are not sufficiently encouraging and therefore, advised concluding the project and drop the drilling. The Committee further advised that no additional PGE analysis is required.
- f. The Committee advised that EPMA studies be carried out. In case EPMA slots are not available, the agency may obtain prior approval from the Committee for undertaking SEM analysis.
- g. The Committee further advised that all 50 pit samples be analysed and that a comprehensive petrographic study be carried out.

Recommendations of TCC-1:

The Committee recommended completion of the pending analytical and petrographic studies, including EPMA studies. Further, PGE analysis is not required, and the project may be concluded and drilling component may be dropped.

Agenda 105.4.9. Preliminary Exploration (G-3) for Limestone in Prashnawada, Block-A & Kadwasan, Block-B, District: Gir Somnath, State: Gujarat

[Implementing Agency: M/s. APC Drilling]

- a. APC drilling informed that the project was approved in the 7th PSC Meeting held on 27th March, 2026. The Sanction Order was issued on 11th May, 2026 with timeline of 8 months (up to 10.01.2027) and approved cost was INR 2,12,41,241/-
- b. The agency apprised the committee, geological mapping (1:4000 scale) completed and 50 nos. of BRS have been collected.
- c. The committee was apprised that the project is delayed due to local agitation in the area, heavy rainfall and ongoing harvest season.
- d. The committee noted that the average CaO values is 50.08 % , MgO is 0.60 % and SiO₂ is 5.49 % in the area.
- e. The agency presented the drilling plan before the committee and sought approval for commencement of drilling.
- f. The committee suggested the agency to carryout drilling at 800m x 800m spacing in both Prashnawada, Block-A & Kadwasan, Block-B.

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Recommendations of TCC-1:

The committee recommended the agency to expedite the execution of the project and initiate drilling in grid pattern at 800m x 800m spacing in Prashnawada, Block-A & Kadwasan, Block-B.

Agenda 105.4.10. Reconnaissance Survey (G-4) for Aluminous Laterite, Bauxite- and associated critical minerals in Talgajarda-Longadi area, Districts: Bhavnagar, State: Gujarat [Implementing Agency: M/s. APC Drilling]

- a. APC drilling informed that the project was approved in the 8th PSC Meeting held on 30th April, 2026. The Sanction Order was issued on 11th May, 2026 with timeline of 10 months (up to 10.03.2027) and approved cost was INR 1,34,50,976/-
- b. The agency apprised the committee, geological mapping (1:4000 scale) completed and 48 nos. of BRS have been collected and analysed. Pitting could not be initiated due to heavy rainfall in the area.
- c. The committee was apprised that the project is delayed due to local agitation in the area, heavy rainfall and ongoing harvest season.
- d. The committee suggested the agency to initiate the pitting work and after completion of pitting drilling may be initiated.

Recommendations of TCC-1:

The committee recommended the agency to expedite the execution of the project and initiate the pitting work.

Agenda 105.4.11. Reconnaissance Survey (G-4) for Aluminous Laterite, Bauxite and associated critical minerals in Hemal- Barpatoli Area, Amreli District, Gujarat [Implementing Agency: M/s. APC Drilling]

- a. APC drilling informed that the project was approved in the 8th PSC Meeting held on 30th April, 2026. The Sanction Order was issued on 11th May, 2026 with timeline of 10 months (up to 10.03.2027) and approved cost was INR 99,82,603 /-
- b. The agency apprised the committee, geological mapping (1:12,500 scale) completed and 55 nos. of BRS have been collected and 30 samples sent to lab for analysis. Pitting could not be initiated due to heavy rainfall in the area.
- c. The committee was apprised that the project is delayed due to local agitation in the area, heavy rainfall and ongoing harvest season.
- d. The committee observed that no structural data is plotted in the geological map presented by the agency.
- e. The committee suggested the agency to plot the structural data in the geological map and initiate pitting and after completion of pitting drilling may be initiated.

Recommendations of TCC-1:

The Committee recommended the agency to incorporate the structural data in the geological map and initiate pitting work, followed by drilling based on the findings of the pits.

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**Agenda 105.4.12. Preliminary Exploration (G-3) for Limestone in Balej Block,
District: Porbandar, State: Gujarat
[Implementing Agency: M/s. APC Drilling]**

- a. APC drilling informed that the project was approved in the 9th PSC Meeting held on 03rd June, 2026. The Sanction Order was issued on 17th June, 2026 with timeline of 06 months (up to 16.12.2026) and approved cost was INR 60,46,112 /-
- b. The agency apprised the committee, geological mapping (1:4,000 scale) completed and BRS have been collected and 16 samples analysed. The average CaO values is 49.14 %, MgO is 0.83 % and SiO₂ 6.7 %.
- c. Pitting could not be initiated due to heavy rainfall in the area.
- d. The committee suggested the agency to initiate pitting and before initiating drilling in the area, the drilling plan may be approved by the committee.

Recommendations of TCC-1:

The Committee recommended that the agency expedite the execution of the project and initiate pitting work. The drilling plan to be presented for approval to the committee prior to commencement of drilling in the area.

**Agenda 105.4.13. Preliminary Exploration (G-3 Stage) for Iron and Manganese Ore
in Betajhar Block (1.367 sq. Km), District: Sundaragada, Odisha
[Implementing Agency: OMC]**

- a. OMC informed that the project was approved in the 8th PSC Meeting held on 30th April, 2026. The Sanction Order was issued on 20th May, 2026 with timeline of 12 months (up to 19.05.2027) and approved cost was INR 3,58,66,577 /-
- b. OMC apprised the committee that geological mapping and BRS/pits samples (105 nos.) of phase- I activity has been completed.
- c. Chemical analysis of 105 BRS/Pit samples was carried out. 64 samples were from Manganese ore in which the Mn values ranged from 11.10% to 55.69% and 28 samples were from Iron ore in which Fe values ranged from 46.09% to 60.87%.
- d. OMC also informed that in phase-II, 1500m drilling has to be carried out in 20 nos. of boreholes.
- e. The agency informed that as the beds are very shallow dipping in the area, vertical boreholes have been planned.
- f. The committee suggested to drill 5 boreholes in Iron ore (if Fe is >50%) and 15 boreholes in manganese. The committee also suggested to review the project in between with the analytical results of few boreholes.

Recommendations of TCC-1:

The Committee recommended initiating drilling of 5 boreholes in the iron ore zone, subject to Fe values exceeding 50% and 15 boreholes in the manganese zone and advised that the project be reviewed in between with the analytical results of the initial boreholes.

**Agenda 105.4.14. Reconnaissance survey (G4) for Bauxite in Majhingamali,
Rayagada and Kalahandi Districts, Odisha.
[Implementing Agency: OMC]**

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- a. The committee was informed that the project was approved in the 11th EC Meeting held on 11th February, 2019.
- b. Timeline has been extended upto 30.06.2026 during 9th PSC & 31.07.2026 during 10th PSC for submission of GR.
- c. OMC informed the committee that the report has been peer reviewed and peer reviewer comments are being attended and sought timeline extension upto 31.10.2026.
- d. The Committee advised OMC to present the compliance report before the committee for review prior to submission of the final GR.

Recommendations of TCC-1:

The Committee recommended timeline extension upto 31.10.2026 for final GR submission to PSC of NMEDT and advised OMC to present the compliance report before the committee for review prior to submission of the final GR.

Agenda 105.4.15. Reconnaissance Survey (G4) for REE & RM mineralization in Bande Saver area (129 Sq.km), District: Uttar Bastar Kanker District, Chhattisgarh

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

- a. The project was approved in the 1st PSC Meeting held on 9th October, 2025. The Sanction Order was issued on 13th November, 2025 with timeline of 10 months (up to 12.09.2026) and approved cost was INR 1,81,41,611/-
- b. The agency presented the progress of work and informed the committee that LSM on 1:12,500 scale, collection of BRS samples, soil samples and trenching and 1st phase of sample analysis has been completed.
- c. The agency informed that the analytical results received so far have not indicated encouraging REE values. It was also informed that strong local agitation is prevailing in the area.
- d. In view of above, the agency requested to drop the drilling component and assigning a peer reviewer and timeline extension upto 15.11.2026 for final GR submission.
- e. The Committee observed that the REE values obtained so far are not sufficiently encouraging to justify undertaking the second phase of exploration and therefore, advised dropping the proposed drilling component.
- f. The Committee further advised that a peer reviewer be assigned for the project and recommended extension of the project timeline up to 15.11.2026.

Recommendations of TCC-1:

The Committee recommended to conclude the project, submit the GR for peer review and recommended timeline extension upto 15.11.2026 for final GR submission for approval of PSC of NMEDT.

Agenda 105.4.16. Reconnaissance Survey (G-4) for Vanadium, Titanium and Gallium in Bauxite in Risewada-Lodhiwada Area, Balaghat District, MP

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

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- a. 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 8 months (up to 07.09.2026) and approved cost was INR 49,38,246/-
- b. The agency presented the progress of work and informed the committee that LSM on 1:12,500 scale, collection of BRS samples, channel samples, pitting and petrological studies has been completed. Analytical results of few samples are awaited.
- c. The Committee observed that the analytical results received so far have not indicated encouraging REE values; however, anomalous values of titanium and vanadium were observed.
- d. The 60 pit samples show consistent vanadium enrichment (average 1,092 ppm, up to 1,812 ppm or about 0.32% V_2O_5) and elevated titanium (up to 30,431 ppm or about 5.1% TiO_2) within a ferruginous laterite/bauxite profile, with RL PIT-04, PIT-07, PIT-13 and PIT-20 enriched in both V and Ti.
- e. The Committee advised that the reconnaissance resources of titanium and vanadium associated with the bauxite may be estimated for the mineralised zone up to a depth of 2 m.
- f. The agency may submit the report to the peer reviewer and after compliance to the peer reviewer comments, the agency to present before the TCC before final GR submission.
- g. The agency requested for timeline extension upto 15.11.2026 for GR submission.

Recommendations of TCC-1:

The Committee recommended the agency to submit the GR for peer review and recommended timeline extension upto 15.11.2026 for approval of PSC of NMEDT for final GR submission. The committee also recommended to estimate the reconnaissance resources of titanium and vanadium associated with the bauxite up to a depth of 2 m.

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Annexure- 4

List of participants who attended the 105th Meeting of Technical-cum-cost Committee (TCC-I) of NMEDT held on 24th & 25th September, 2026 through video conferencing mode

S.no	Name	Designation	Email ID	Contact No	Organization
1.	Dr. S. Ravi	Dy. Director General, GSITI, Hyderabad	s.ravi1@gsi.gov.in	9441138834	Chairman, TCC-1
2.	Shri. I.R. Kirmani	ADG (Retd.), GSI	irkirmani@yahoo.com	9414014723	Member TCC-1
3.	Shri. K. Koteswara Rao	Dy. Director General (Retd.), GSI	kkrao1957@gmail.com	9000117969	Member TCC-1
4.	Shri. M. Mohan	Dy. Director General (Retd.), GSI	mariappan.mohan@gmail.com	9423686547	Member TCC-1
5.	Dr. E.V.S.S.K. Babu	Scientist (G), NGRI	evsskbabu@ngri.res.in	9441535852	Member TCC-1
6.	Shri A. R. Mukundhan	Regional Director, AMD, South Central Region	mukuagaram@rediffmail.com	6303606347	Member TCC-1
7.	Sh. S K Adhikari	Chief Mining Geologist, IBM, Nagpur	skadhikari@ibm.gov.in	7588690545	Member TCC-1
8.	Smt. Vandana	Cost Accounts Officer, RSAS, Bangalore, GSI	vandana@gsi.in	8660939235	Member TCC-1
9.	Shri S Dhanendran	Director, GSITI & Member Secretary, TCC-I	s.dhanendran@gsi.gov.in	9944882204	Member TCC-1
10.	Representatives from MECL				
11.	Representatives from DGM Mizoram				
12.	Representatives from DGM Chhattisgarh				
13.	Representatives from DMG Rajasthan				

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14.	Representatives from DMG Tripura				
15.	Representatives from Gemcokati Exploration Pvt. Ltd.				
16.	Representatives from MMPL Pvt. Ltd.				
17.	Representatives from FAGMIL				
18.	Representatives from Bhushilp Mines and Minerals Pvt Ltd				
19.	Representatives from Geo Consultants Private Limited				
20.	Representatives from N G Gadhiya				
21.	Representatives from MAPL				
22.	Representatives from Critical Mineral Trackers				
23.	Representatives from Sathi Planners Private Limited				
24.	Representatives from APC Drilling & Constructions Pvt. Ltd.				
25.	Representatives from Southwest Pinnacle				
26.	Representatives from Geo Marine Solutions Pvt. Ltd.				
27.	Representatives from Unised Research Consultants Pvt. Ltd.				
28.	Representatives from MTCS				
29.	Representatives from OMC				
30.	Ms. Bishakha	Sr. Geologist	sr.geologist1-nmet@gov.in	8126541605	NMEDT
31.	Smt. Palak Kapoor	Sr. Geologist	sr.geologist4-nmet@gov.in	8851742488	NMEDT

S. B. 30.09.26


30/09/2026