Ministry of Mines
National Mineral Exploration and Development Trust
Minutes of the 107th Technical-cum-Cost Committee-1 (TCC-1) Meeting held on 21st and 22nd October 2026 through video conferencing

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The 107th 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 21st and 22nd October, 2026 Members of TCC-1, NMEDT and representatives from GSI, MECL, DGM Chhattisgarh, DMG Rajasthan, CGM Gujarat, DMG Maharashtra, DMG Madhya Pradesh, CGM Tamil Nadu, DMG Andhra Pradesh, M/s BMRC Geomining Solutions, M/s. S & S Geological consultant, M/s Deepsar Mineral Explorer Pvt. Ltd., M/s Gemcokati Exploration Pvt. Ltd., M/s Bhushilp Mines and Minerals Pvt Ltd, M/s. GeoExpore Pvt. Ltd., M/s. HITTITES Exploration, M/s Geo Consultants Private Limited, M/s. Critical Mineral Trackers, M/s. Sathi Planners Private Limited, M/s. Southwest Pinnacle, M/s. Geo Marine Solutions Pvt. Ltd., M/s. Gems Projects Pvt. Ltd., M/s Geotechnical Mining Solutions, M/s Vardan Environet LLP, M/s Enkay Enviro Services Pvt. Ltd., M/s Vibrant Techno Lab Private Limited, M/s Shijay Projects India Private Limited, M/s HK and Associates, M/s Kartikay Exploration and Mining Services Pvt. Ltd., M/s Geovale Services Pvt. Ltd., have attended the meeting through their respective VC modes.

The list of participants is enclosed in **Annexure- 6.**

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

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

Agenda 107.1: Technical evaluation of new project proposals

Agenda 107.1.1. General exploration (G2) for Glauconite mineralisation in Muskaniya-Gareriatola-Barwari block, District-Garhwa, Jharkhand. (Proposal ID: ME/DD/G2/JH/MECL/26-27/027) (Area: 5.14 sq. km)

[Implementing Agency: MECL]

a. The proposed block falls within Survey of India Toposheet No. 63P/11 and comprises lithounits of the Lower Semri Group of the Vindhyan Supergroup, along with granitic rocks of the Chota Nagpur Gneissic Complex (CGC).

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b. GSI has carried out investigations for phosphate, potash and associated mineralisation in the Lower Vindhyan sedimentary rocks, identifying several glauconitic and potash-bearing horizons in the region.
c. Previous investigations in the Semri Group reported K_2O values of 1.25–4.22% in glauconitic sandstone and anomalous values of 3.17–9.37% in bedrock and trench samples of green shale, calcareous black shale, dolomitic limestone and associated lithologies during FS 2017–19 (Dayal et al., 1980; Jattalwar et al., 2019).
d. The reported potash anomalies occur in green shale, calcareous black shale, dolomitic limestone and associated lithologies, indicating potential for further investigation of potash mineralisation.
e. The most encouraging K_2O values of 5.00–9.37% were recorded in the Singhitali Green Shale and Sivapahar Limestone Members around Muskaniya–Gareriatola–Barwari. Trench samples from Bachuatola yielded 8.62–9.37% K_2O, while those west of Gareriatola yielded 4.82–6.01%; dolomitic limestone samples recorded 3.39–5.68% K_2O.
f. G-3 stage exploration during FS 2019–20 reported K_2O values of 6.14–9.44% (average 7.36%; n=36) in khaki green shale and 6.43–9.69% (average 7.79%; n=19) in greyish black shale from core samples.
g. Based on a cut-off grade of 6% K_2O, a resource of 14.107 million tonnes, averaging 7.41% K_2O, was estimated over an area of 1.16 km².
h. Based on the encouraging exploration results, the agency proposed G-2 stage exploration to establish the lateral and down-dip continuity, thickness and geometry of glauconite-bearing khaki green shale and intercalated greyish black shale.
i. The proposed work includes 1:2,000-scale geological mapping, geochemical sampling, pitting/trenching, ground geochemical surveys and exploratory drilling to assess the mineral resource under the UNFC 332 category.
j. The Committee reviewed the proposal and observed that the block, an annulled block handed over by the Ministry of Mines to NMEDT for higher-level exploration, contains settlements and highways in the eastern part and reserve forest in the western part. The agency was advised to exclude these areas and focus on zones with positive borehole intersections.
k. Based on positive borehole intersections from G-3 stage exploration, the Committee advised in-filling drilling at 200 m grid spacing along positive profiles only and inclusion of one sample for ore beneficiation studies.
l. The agency modified the proposal in accordance with the Committee's recommendations.
m. The committee recommended proposal for approval of PSC, NMEDT.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block completely overlaps with GSI's Muskaniya-Gareriatola-Barwari Potash Block (FS 2019–20), which was handed over for the auction process at the G3 stage, as well as the GSI exploration block (FS 2017–19) for Phosphate and Potash at the G4 stage.

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2.	MECL	NA
3.	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4.	State DMG/DGM/CGM	Not Received
5.	NMEDT	The proposed block overlaps completely with the auctionable G3 block as per NGDR Portal.

Recommendations of TCC-1:

The committee recommended the proposal titled "General Exploration (G-2) for Glauconitic Sandstone in Muskaniya-Gareriatola-Barwari Block [Block area- 2.73 sq. km], District-Garhwa, Jharkhand" for approval of PSC, NMEDT with an estimated cost of Rs. 209.38 lakhs (including GST) with a timeline of 12 months for carrying out the proposed work and submission of report as per Annexure – 1A & 1B. The project will be reviewed after 4, 8 and 10 months.

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Annexure 1A

General Exploration (G-2) for Glauconitic Sandstone in Muskaniya-Gareriatola-Barwari Block [Block area- 2.73 sq. km], District- Garhwa, Jharkhand.
[Nos. of Borehole- 34; Borehole depth range: 25 m; Total drilling: 850m; Schedule timeline- 12 months, Review after: 4, 8 & 10 months]

S. No.	Item of Work	Unit	Rates as per NMEDT Revised SoC 2025		Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl No.	Rates as per SoC	Qty.	Amount (Rs)	
A	**OTHER GEOLOGICAL WORK/ ACTIVITIES**						
i	Charges for one Geologist- Field	per day	1.2.1a (b)	14,500	100	1,450,000	
ii	Charges for one Geologist - HQ	per day	1.2.1a (a)	10,500	40	420,000	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	565	80	45,200	
iv	Sampling -1 Samplers Labour charge not included	per day	1.2.1b	7,850	90	706,500	
v	4 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	565	360	203,400	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
B	**SURVEY WORK**						
i	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	Per Point of observation	1.3.2	24,000	42	1,008,000	Proposed Boreholes: 34, Block Boundary Points: 08

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					Sub Total- A TO B	**3,833,100**	
C	**EXPLORATORY DRILLING (Inhouse)**						
i	Drilling upto 400 m in HQ Size	m	2.2.1.1c	5,500	850	4,675,000	34 Boreholes at 25m depth
ii	Drill core Preservation	m	5.3	1,590	700	1,113,000	One complete borehole + mineralised cores of all BHs
iii	Land/Crop Compensation	Per Borehole	5.6	30,000	34	1,020,000	As per actuals with a maximum of 30000 per BH
iv	Concrete Pillar Construction	Per Borehole	2.2.7	2,000	34	68,000	BH points
v	Borehole Plugging	Lumpsum per borehole	2.2.8	10,000	34	340,000	
vi	Miscellaneous charges		2.2.9 (a)	25% of drilling charges		1,168,750	
					Sub Total- C	**8,384,750**	
D	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
i	Primary Sample - Major Oxides viz. (SiO_2, Al_2O_3, Fe_2O_3, K_2O, MgO, CaO, Na_2O, TiO_2, MnO, P_2O_5 & LOI)	Per Sample	4.1.17a	4,200	700	2,940,000	
ii	External(10%) Check samples from NABL Lab for Major Oxides viz. (SiO_2, Al_2O_3, Fe_2O_3, K_2O, MgO, CaO, Na_2O, TiO_2, MnO, P_2O_5 & LOI)	Per Sample	4.1.17a	4,200	70	294,000	
iii	Analysis for REE & 9 trace element by ICPMS method	Per Sample	4.1.15	7,400	20	148,000	
2	**Physical & Petrological Stusies**						
i	XRD analysis for identification of mineral phase	Per Sample	4.5.2	4,000	10	40,000	

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ii	Beneficiation Studies	Per Sample	4.7.2 Actual expenses as per IBM rate	436,590	1	900,000	As per Actual expenses. Beneficiation study for G2 stage mineral exploration project (Complete laboratory scale ore dressing investigation involving studies for recovery of mineral by various physical beneficiation methods) Rate of IBM (without tax) is taken as tax on overall cost is levied
iii	Preparation of thin section	Per Sample	4.3.1	500	10	5,000	
iv	Complete petrographic study report (included 5 Doigital Potography)	Per Sample	4.3.4	2,800	10	28,000	
v	Modal Analysis of thin section	Per Sample	4.3.7	4,590	10	45,900	
vi	Density studies	Per Sample	4.8.3	2,500	5	12,500	
					Sub Total-D	**4,413,400**	
F					**Total A toD**	**16,631,250**	
	Total A to D						
G	**Geological Report Preparation**		**5.2.iii**	Total cost of the project exceeding 150 lakh, 7.5 lakhs		**750,000**	
H	**Peer review Charges**		**As per EC**			**30,000**	

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			decision				
I	**Preparation of Exploration Proposal**	**Soft Copy**	**5.1**	2% of the Cost or Rs. 5 Lakhs whichever is lower		**332,625**	
J	**Total Estimated Cost without GST**					**17,743,875**	
K	**Provision for GST (18% of I)**					**3,193,898**	GST will be reimburse as per actual and as per notified prescribed rate
L	**Total Estimated Cost with GST**					**20,937,773**	
				or Say Rs. In Lakhs		***209.38***	

Note:	
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**
2	**In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.**
3	**If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.**
4	**Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.**
5	**Any item of work not mentioned above shall be added as per SoC.**
6	**All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency**

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Annexure-1B

Time Schedule/ Action Plan for General Exploration (G-2) for Glauconitic Sandstone in Muskaniya-Gareriatola-Barwari Block [Block area- 2.73 sq. km], District-Garhwa, Jharkhand

Sl.	Particulars	Months	1	2	3	4	REVIEW	5	6	7	8	REVIEW	9	10	REVIEW	11	12
1	Camp Setting/ mobilization	Months															
2	Geologist days (Mapping, Core Logging, Sampling)	days															
3	Survey Days	days															
4	Drilling	m															
5	Sampling days	days															
6	Camp winding	Months															
7	Laboratory Studies	days															
8	Beneficiation Studies																
9	Geologist days, HQ	days															
10	Report Writing with Peer Review	days															

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Agenda 107.1.2. Preliminary exploration (G3) for Glauconite in Amiya block, District-Kachchh, Gujarat.
(Proposal ID: ME/DD/G3/GJ/MECL/26-27/028)
(Area: 6.35 sq. km)
[Implementing Agency: MECL]

a. The proposed block falls within Survey of India Toposheet No. 41E/02 and comprises Mesozoic sedimentary rocks of the Katrol Formation, including glauconitic sandstone and shale, with subordinate ferruginous sandstone and locally developed feldspathic sandstone of the Bhuj Formation (Early Cretaceous).
b. Previous investigations for bentonite in Kachchh District during FS 1978–80 reported occurrences of glauconite in the Mesozoic and Tertiary formations of the Kachchh Basin.
c. Detailed investigations for potash during FS 2014–15 in glauconite-bearing shale and sandstone around Guneri village confirmed glauconite mineralisation with K_2O contents ranging from less than 2% to more than 4%. Based on the exploration results, the Guneri block was subsequently put up for auction.
d. MECL carried out G-4 stage reconnaissance exploration for glauconite in the Mudhan Khatiya (129 sq. km) and Ambara West (143.15 sq. km) blocks of Kachchh District, Gujarat, during FS 2025–26 under an NMET-funded project.
e. In the Mudhan Khatiya Block, an in-situ reconnaissance mineral resource of 142.96 million tonnes (UNFC 334) was estimated at an average grade of 4.10% K_2O.
f. In the Ambara West Block, an in-situ reconnaissance mineral resource of 212.11 million tonnes (UNFC 334) was estimated at an average grade of 4.30% K_2O.
g. Geochemical analysis of 26 bedrock samples recorded K_2O values up to 5.47%, while 10 pit samples yielded values up to 4.78%, with several samples exceeding 3% K_2O.
h. Two scout boreholes (MBMK-01 and MBMK-03) intersected cumulative mineralised thicknesses of 9.50 m and 11.00 m, respectively, confirming glauconite-bearing horizons.
i. Based on the scout borehole results, a net in-situ reconnaissance mineral resource (UNFC 334) of 63.08 million tonnes at an average grade of 4.62% K_2O was estimated.
j. Based on the encouraging G-4 stage exploration results, the agency proposed G-3 stage exploration to establish the lateral and down-dip continuity, thickness and geometry of the glauconite-bearing horizons.
k. The proposed work includes 1:4,000-scale geological mapping, geochemical sampling, pitting/trenching, ground geochemical surveys and exploratory drilling to assess the mineral resources under the UNFC 333 category.
l. The Committee reviewed the proposal and observed that the proposed block represents an upgradation of the G-4 stage block explored by MECL. Noting that a highway traverses the northeastern part of the block, the Committee advised excluding the highway area and modifying the block boundary accordingly.
m. The agency revised the block boundary, and the Committee recommended the proposal with provision for drilling at 800 m grid spacing up to 35 m depth and collection of one sample for ore beneficiation studies, considering the auctionability of the block.

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Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block partly overlaps (0.70 sq. km) with the earlier GSI-studied area under the study of potash in glauconite-bearing shale and sandstone in Kachchh District, Gujarat (FS 1994-95). The proposed area is 0.70 sq km overlap with the earlier GSI studied area. Glauconite of Guneri area is traceable for about 3-4 kms along strike and 0.75 km along dip direction with a cumulative thickness of approximately 1.5 metres. The content ranges from 4.5 - 7.6%. Cumulative thickness of three glauconite bands is 1.5 m and its specific gravity has been taken to 2.2. Therefore, reserves are 0.02 million tonnes.
2.	MECL	NA
3.	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4.	State DMG/DGM/CGM	The proposed area has been covered under the G-4 exploration blocks for Glauconite and partially overlaps with the G-4 Glauconite Block of Ambara West. Further, MECL has been requested to identify and delineate suitable, technically viable sub-blocks from the parent blocks for grant of Composite Licence (CL). An e-mail dated 01.09.2026 was sent to MECL requesting identification and delineation of suitable, technically viable sub-blocks for grant of Composite Licence (CL), along with the requisite proposal in the prescribed Schedule III format, Form 4A, maps, coordinates and geological justification, as per the applicable rules.
5.	NMEDT	NMEDT funded project of G4 MECL Mudhan Khatiya block_2024-25 overlaps with proposed G3 block, which is high potential upgradation of Mudhan Khatiya block. The proposed block does not lie in ESZ/ESA as per Parivesh Portal.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G-3 Stage) for Glauconite in Amiya Block, District- Kachchh, Gujarat (Area 6.04 Sq. Km)" for approval of PSC, NMEDT with an estimated cost of Rs. 107.92 lakhs (including

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GST) with a timeline of 12 months for carrying out the proposed work and submission of report as per Annexure – 2A & 2B. The project will be reviewed after 3, 6 and 9 months.

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Annexure 2A

Preliminary Exploration (G-3 Stage) for Glauconite in Amiya Block, District- Kachchh, Gujarat
(AREA 6.04 Sq. Km); Borehole depth: 35m, No. of BHs- 09, Total drilling: 315m, Completion Time- 12 Months, Review after 3, 6 & 9 months

S. No.	Item of Work	Unit	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl No.	Rates as per SoC	Qty.	Amount (Rs)	
A	**DETAIL GEOLOGICAL MAPPING (1:4000 scale) with contouring**						
i	**Geological mapping**	Sq.Km	1.1	18,300	6.04	110,532	
B	**GEOLOGICAL WORK**						
i	Charges for one Geologist- Field	day	1.2.1a	14,500	120	1,740,000	
ii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	565	240	135,600	
iii	Core Sampling -1 Samplers Labour charge not included	day	1.2.1b	7,850	34	266,900	
iv	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	565	136	76,840	
v	Demarcation of co-ordinates and Reduced Level (RL) of boreholes by DGPS	Nos.	1.3.2	24,000	16	384,000	9 Core BH and 7 Corner points
vi	Charges for one surveyor (1 Party)	day	1.3.1	10,500	25	262,500	Topographical Survey on 1:4000 scale
vii	4 labours/ party (As per rates of Central Labour Commissioner) for survey work	day	5.8	565	100	56,500	Minimum wages plus statutory contributions and taxes
viii	Charges for one Geologist per- HQ	day	1.2.1a	10,500	40	420,000	
					Sub Total- A+B	**3,452,872**	
C	**DRILLING (In-House)**						
i	Drilling -Soft rock	m	2.2.1.1c	5,500	315	1,732,500	9 Bhs at an average depth 35m per borehole

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ii	Land / Crop Compansation	per BH	5.6	30,000	9	270,000	As per Actuals with 30000 being maximum ceiling for each BH
iii	Construction of concrete Pillar (12"x12"x30")	per BH	2.2.7	2,000	9	18,000	
iv	Borehole plugging by cement	Lumpsum per borehole	2.2.8	10,000	9	90,000	
v	Core Preservation	m	5.3	1,590	225	357,750	One complete borehole plus mineralised cores of all BHs
vi	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp Setting and Winding, Construction of Approach Road)	Lump Sum	2.2.9	For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost		433,125	
					Sub Total- C	**2,901,375**	
D	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
a	i) Primary Sample for 8 radicals (K_2O, SiO_2, MgO, CaO, Na_2O, P_2O_5, Al_2O_3 & Fe_2O_3).	Nos	4.1.17a	4,200	250	1,050,000	By XRF Method
b	ii) 10% External check samples for 8 radicals (K_2O, SiO_2, MgO, CaO, Na_2O, P_2O_5, Al_2O_3 & Fe_2O_3).	Nos	4.1.17a	4,200	25	105,000	
c	Analysis of one rock/soil sample (14 REE+ 9 trace element)	Per sample	4.1.15	7,400	20	148,000	
2	**Physical & Petrological Stusies**						
i	a) Preparation of thin polished section	Nos	4.3.2	800	10	8,000	
ii	b) Complete petrographic study report	Nos	4.3.4	2,800	10	28,000	
iii	c) Modal analysis of thin section	Nos	4.3.7		10		

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				4,590		45,900	
iv	e) XRD Mineral Phase Analysis	Per sample	4.5.2	4,000	10	40,000	
v	f) Bulk Density - Dry/Saturated	Nos	4.8.3	2,500	5	12,500	
vi	g) Beneficiation Studies	Nos	4.7.2	900,000	1	900,000	As per Actuals as per IBM Rates
					Sub Total- D	**2,337,400**	
					Total A to D	**8,691,647.00**	
E	**Geological Report Preparation**		**5.2 (ii)**	For the projects having cost exceeding Rs. 50 lakhs but less than Rs. 150 lakhs		**250,000**	
F	**Peer review Charges**		**As per EC decision**			**30,000**	
G	**Preparation of Exploration Proposal**	**Soft Copy**	**5.1**	2% of the Cost or Rs. 5.00 Lakhs whichever is lower		**173,833**	
H	**Total Estimated Cost without GST**					**9,145,480**	
I	**Provision for GST (18% of I)**					**1,646,186.39**	
J	**Total Estimated Cost with GST**					**10,791,666.33**	
				or Say Rs. In Lakhs		**107.92**	
Note:							
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**						
2	**In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.**						
3	**If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.**						
4	**Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.**						
5	**Any item of work not mentioned above shall be added as per SoC.**						
6	**All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency**						

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Annexure 2B

Time Schedule/ Action Plan for Preliminary Exploration (G-3 Stage) for Glauconite in Amiya Block, District- Kachchh, Gujarat

S. No.	Particulars	Unit	1	2	3	Review	4	5	6	Review	7	8	9	Review	10	11	12
1	Camp Setting	months															
2	Geological Mapping & Survey	months															
3	Core Drilling	m															
4	Geologist days	days															
5	Sampling days	days															
6	Camp winding	months															
7	Laboratory Studies	months															
8	Beneficiation Studies	Months															
9	Geologist days HO	days															
10	Report Writing with Peer Review	months															

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Agenda 107.1.3. Preliminary Exploration (G-3 stage) for Glauconite in Khatiya block, District- Kachchh, Gujarat
Proposal ID: ME/DD/G3/GJ/MECL/26-27/036)
(Area: 4.88 sq. km)
[Implementing Agency: MECL]

a. The proposed block falls within Survey of India Toposheet No. 41E/02 and comprises Mesozoic sedimentary rocks of the Katrol Formation, including glauconitic sandstone and shale, with subordinate ferruginous sandstone and locally developed feldspathic sandstone of the Bhuj Formation (Early Cretaceous).
b. Previous detailed investigations for potash in glauconite-bearing shale and sandstone around Guneri village, Kachchh District, during FS 2014–15 confirmed glauconite mineralisation with K_2O contents ranging from less than 2% to more than 4%. Based on the exploration results, the Guneri block was subsequently put up for auction.
c. MECL carried out G-4 stage reconnaissance exploration for glauconite in the Mudhan Khatiya (129 sq. km) and Ambara West (143.15 sq. km) blocks in Kachchh District, Gujarat, during FS 2025–26 under NMEDT funding.
d. In-situ reconnaissance mineral resources (UNFC 334) of 142.96 million tonnes at 4.10% K_2O in the Mudhan Khatiya Block and 212.11 million tonnes at 4.30% K_2O in the Ambara West Block were estimated.
e. Geochemical investigations in the Khatiya Block confirmed glauconite enrichment, with K_2O values of up to 5.06% in 9 bedrock samples and 4.38% in 6 pit samples. Several samples recorded values exceeding 3% K_2O, indicating potassic enrichment.
f. Based on the encouraging G-4 stage exploration results, the agency proposed G-3 stage exploration to establish the lateral and down-dip continuity, thickness and geometry of the glauconite-bearing horizons.
g. The proposed work includes 1:4,000-scale geological mapping, geochemical sampling, pitting/trenching, ground geochemical surveys and exploratory drilling to assess the mineral resources under the UNFC 333 category.
h. The Committee reviewed the proposal and observed that the proposed block is an upgradation of the G-4 stage block explored by MECL. The Committee recommended the proposal with provision for drilling at 800 m grid spacing up to a depth of 35 m.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block partly overlaps (0.7 sq. km) with an earlier GSI-studied block (FS 1994-95) in its southern part. The earlier study reported glauconite content ranging from 4.5% to 7.6%, with estimated reserves of 0.02 million tonnes.
2.	MECL	NA
3.	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.

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4.	State DMG/DGM/CGM	The proposed block partially overlaps with forest land and falls within the G-4 Reconnaissance Survey for Glauconite in the Mudhan–Khatiya Block, undertaken by MECL under the NMET programme. Further, MECL has been requested to identify and delineate suitable, technically viable sub-blocks for grant of Composite Licence (CL). Hence, consent for the proposed G-3 stage exploration may be considered after examining the forest land overlap and the outcome of the ongoing sub-block delineation process.
5.	NMEDT	The proposed block partly overlaps with the NMET-funded G-4 exploration block of MECL in the Mudhan–Khatiya area (FS 2024-25), which has potential for upgradation. The Amiya block, also proposed for upgradation from the same parent block, lies to the south of the proposed Khatiya block. The block boundary should be reviewed to avoid overlap with the ongoing NMET-funded project, following which the proposal may be considered for further exploration.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G-3 Stage) For Glauconite in Khatiya Block, District- Kachchh, Gujarat (Area 4.89 Sq. Km)" for approval of PSC, NMEDT with an estimated cost of Rs. 73.63 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 project will be reviewed after 3, 6 and 9 months.

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Annexure 3A

Preliminary Exploration (G-3 Stage) For Glauconite in Khatiya Block, District- Kachchh, Gujarat (AREA 4.89 Sq. Km); Depth of each Borehole: 35m each, Total BHs: 06 nos., Total drilling: 210 m, Completion Time- 12 Months, Review after 3, 6 & 9 months

S. No.	Item of Work	Unit	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item - Sl No.	Rates as per SoC	Qty.	Amount (Rs)	
A	**DETAIL GEOLOGICAL MAPPING (1:4000 scale) with contouring**						
i	**Geological mapping**	Sq.Km	1.1	18,300	4.89	89,487	
B	**OTHER GEOLOGICAL WORK**						
i	Charges for one Geologist- Field	day	1.2.1a	14,500	100	1,450,000	
ii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	565	200	113,000	
iii	Core Sampling -1 Samplers Labour charge not included	day	1.2.1b	7,850	24	188,400	
iv	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	565	96	54,240	
v	Demarcation of co-ordinates and Reduced Level (RL) of boreholes by DGPS	Nos.	1.3.2	24,000	11	264,000	6 Core BH and 5 Corner points
vi	Charges for one surveyor (1 Party)	day	1.3.1	10,500	20	210,000	Topographical Survey on 1:4000 scale
vii	4 labours/ party (As per rates of Central Labour Commissioner) for survey work	day	5.8	565	80	45,200	
viii	Charges for one Geologist per- HQ	day	1.2.1a	10,500	40	420,000	
					Sub Total- A+B	**2,834,327**	
C	**DRILLING (In-House)**						

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i	Drilling -Soft rock	m	2.2.1.1c	5,500	210	1,155,000	6 BHs at an average depth 35m per borehole
ii	Land / Crop Compansation	per BH	5.6	30,000	6	180,000	
iii	Construction of concrete Pillar (12"x12"x30")	per BH	2.2.7	2,000	6	12,000	
iv	Borehole plugging by cement	Lumpsum per borehole	2.2.8	10,000	6	60,000	
v	Core Preservation	m	5.3	1,590	175	278,250	One complete BH + mineralised cores of all BHs
vi	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp Setting and Winding, Construction of Approach Road)	Lump Sum	2.2.9	For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost		288,750	
					Sub Total- C	**1,974,000**	
D	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
a	i) Primary Sample for 8 radicals (K2O, SiO2, MgO, CaO, Na2O, P2O5, Al2O3 & Fe2O3).	Nos	4.1.17a	4,200	180	756,000	By XRF Method
b	ii) 10% External check samples for 8 radicals (K2O, SiO2, MgO, CaO, Na2O, P2O5, Al2O3 & Fe2O3).	Nos	4.1.17a	4,200	18	75,600	
c	Analysis of one rock/soil sample (14 REE + 9 trace element) by ICPMS	Per sample	4.1.15	7,400	10	74,000	
2	**Physical & Petrological Stusies**						
i	a) Preparation of thin polished section	Nos	4.3.2	800	10	8,000	
ii	b) Complete petrographic study report	Nos	4.3.4	2,800	10	28,000	

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iii	c) Modal analysis of thin section	Nos	4.3.7	4,590	10	45,900	
vi	d) SEM Studies per hour	Per Hr	4.4.2	3,500	10	35,000	
viii	f) Bulk Density - Dry/Saturated	Nos	4.8.3	2,500	5	12,500	
					Sub Total- D	**1,035,000**	
					Total A to D	**5,843,327.00**	
E	**Geological Report Preparation**		**5.2 (ii)**	For the projects having cost exceeding Rs. 50 lakhs but less than Rs. 150 lakhs		**250,000**	
F	**Peer review Charges**		**As per EC decision**			**30,000**	
G	**Preparation of Exploration Proposal**	**Soft Copy**	**5.1**	2% of the Cost or Rs. 5.00 Lakhs whichever is lower		**116,867**	
H	**Total Estimated Cost without GST**					**6,240,194**	
I	**Provision for GST (18% of I)**					**1,123,234.84**	
J	**Total Estimated Cost with GST**					**7,363,428.38**	
				or Say Rs. In Lakhs		**73.63**	
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**						

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	prevailing govt. of India rules/guidelines on procurement.
3	**If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.**
4	**Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.**
5	**Any item of work not mentioned above shall be added as per SoC.**
6	**All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency**

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Annexure 3B

Time Schedule/ Action Plan for Preliminary Exploration (G-3 Stage) for Glauconite in Khatiya Block, District- Kachchh, Gujarat

S. No.	Particulars	Unit	1	2	3	Review	4	5	6	Review	7	8	9	Review	10	11	12
1	Camp Setting	months															
2	Geological Mapping & Survey	months															
3	Core Drilling	m															
4	Geologist days	days															
5	Sampling days	days															
6	Camp winding	months															
7	Laboratory Studies	months															
8	Geologist days HO	days															
9	Report Writing with Peer Review	months															

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Agenda 107.1.4. Reconnaissance Survey (G4 Stage) for Vanadium, Titanium bearing Minerals and Other associated Critical Minerals in Umaj-Kalamba Area, Nandurbar District, Maharashtra.
(Proposal ID: ME/DD/G4/MH/26-27/258)
(Area: 126 Sq. Km.)
[Implementing Agency: M/s BMRC Geomining Solutions]

a. The proposed block falls within Survey of India Toposheet No. 46K/03 and forms part of the Narmada–Tapi dyke swarm of the Deccan Volcanic Province, comprising basalt flows of the Lower and Upper Ratangarh Formations and associated basalt–dolerite dykes of the Sahyadri Group, Deccan Trap Supergroup.
b. Stream sediment samples collected during the National Geochemical Mapping (NGCM) programme indicated anomalous enrichment of titanium and vanadium, with concentrations ranging from 21,150.36 ppm (2.12%) to 33,778.15 ppm (3.38%) Ti and 442.2–772.2 ppm V.
c. Previous G-4 stage investigations for PGE and Au-bearing dykes in the Deccan Basalts of Nandurbar and Dhule districts, Maharashtra, identified the layered dyke Vd-03 as a favourable host for PGE and Au mineralisation.
d. Bedrock samples collected by the agency during the field visit recorded V_2O_5 concentrations of 532.86–875.87 ppm and TiO_2 concentrations of 2.19–3.67% in the basaltic terrain.
e. The agency informed the committee the anomalous Ti–V values obtained from stream sediment and bedrock samples, suggesting potential for further investigation of titanium, vanadium and associated mineralisation.
f. The agency proposed G-4 stage exploration to assess the distribution, continuity, grade and mineralogical association of Ti–V mineralisation and associated elements within the block.
g. The proposed exploration programme includes large-scale geological mapping at 1:12500 scale, geochemical sampling, pitting and trenching, ground geochemical surveys, and exploratory drilling and aims to establish the reconnaissance mineral resources under the UNFC 334 category.
h. The proposed drilling programme is intended to investigate the subsurface continuity, thickness and grade of the mineralised zones and support resource assessment.
i. The proposal was earlier discussed in the 100th TCC-I meeting, wherein the Committee observed that it was primarily based on NGCM geochemical anomalies and advised the agency to collect bedrock and channel samples from favourable lithological units for Ti–V analysis.
j. The agency subsequently collected 21 samples from basalt, dykes and laterite, reporting vanadium values ranging from 532 to 876 ppm. Channel sampling could not be undertaken due to local resistance.
k. The Committee advised the agency to furnish global examples of titanium and vanadium recovery from basaltic rocks of comparable geological age. The agency informed that no such deposits were known to it.

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l. Considering the low vanadium values and the absence of adequate evidence of economic potential, the Committee concluded that the area was unsuitable for G-3 stage exploration and did not recommend the proposal.

Sl. No.	Agency	Brief Comments
1.	GSI	No mineral exploration programme is currently being undertaken by GSI in the proposed area. Although past GSI investigations (FS 2012–14) reported the occurrence of opaque oxide minerals, including magnetite and titanomagnetite, the studies focused on PGE and Au mineralization, and no exploration for Vanadium, Titanium or Fe-Ti oxide mineralization was carried out. The higher TiO_2 (2.12-3.38%) and V (442-772 ppm) values reported in NGCM stream-sediment data may not necessarily reflect anomalous concentrations in the primary rocks.
2.	MECL	The proposed block has no overlapping with the ongoing or 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	Not Received
5.	NMEDT	No NMEDT funded blocks present in and around the proposed area in NGDR Portal.

Recommendations of TCC-1:

The Committee did not recommend the proposal, as the available data do not indicate significant potential for vanadium and titanium mineralisation in the area.

Agenda 107.1.5. Preliminary Exploration (G3) for Phosphorite in Hirapur–Khairwaha phosphorite block, District–Chhatarpur, Madhya Pradesh.
(Proposal ID: ME/IND/G3/MP/P/26-27/029)
(Area: 3.65 sq. km.)
[Implementing Agency: M/s S&S Geological consultant]

a. The proposed block falls within Survey of India Toposheet No. 54P/03 and forms part of the phosphorite-bearing terrain of the Bijawar Basin. Phosphorite mineralisation is primarily associated with the Hirapur Formation, occurring with phosphatic sandstone, ferruginous sandstone, chert breccia and dolomite.

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b. Previous G-4 stage exploration by GSI (FS 2022–23) in the nearby Tigoda–Manakpura–Gorakhpura area reported P_2O_5 values up to 27.61% and total REE values up to 618.19 ppm.
c. Available analytical data from the proposed block indicate P_2O_5 values ranging from 0.25% to 27.61%, suggesting variable phosphatic enrichment.
d. Associated trace-element concentrations range from 5 to 441.28 mg/kg for Zr and 0.5 to 27.80 mg/kg for Nb, indicating the presence of associated elements requiring further evaluation.
e. Based on the available exploration data, the agency proposed G-3 stage exploration to investigate phosphorite-bearing horizons, establish their continuity, thickness, grade distribution and depth persistence, and evaluate their associated REE potential.
f. The agency proposed large-scale geological mapping (1:12500 scale), geochemical sampling, pitting/trenching, ground geochemical surveys and exploratory drilling to assess mineral resources under the UNFC 333 category.
g. The proposal was earlier discussed in the 100th TCC-I meeting, wherein the Committee has accorded in-principle approval.
h. The Committee had advised the agency to undertake a field visit, collect representative samples to validate the existing analytical data, and submit a detailed DPR for consideration at the subsequent TCC meeting.
i. The agency collected three samples, which recorded P_2O_5 values ranging from 19.00% to 22.00%.
j. The Committee observed the presence of a highway and settlements in the southern part of the proposed block and advised excluding this area by maintaining an appropriate buffer from the highway. The agency modified the block boundary accordingly.
k. The Committee recommended the proposal with provision for drilling at 800 m grid spacing.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block falls within the Bijawar Group of rocks, where previous GSI investigations have established significant phosphorite occurrences and estimated resources in the surrounding areas. However, ongoing GSI investigations for base metal and associated mineralization (FS 2025–26) and preliminary exploration for Cu and associated mineralization in Siddai Block (FS 2026–27) should be taken into consideration.
2.	MECL	The proposed block has no overlapping with the ongoing or completed blocks of MECL.
3.	AMD	AMD has carried out G4-stage exploration for uranium in and around the proposed block during different phases, establishing evidence of uranium mineralisation, with grab samples reporting uranium values of up to 833 ppm. However, no exploration/reconnaissance project is currently

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		ongoing in the area.
4.	State DMG/DGM/CGM	Not Received
5.	NMEDT	The proposed block do not overlap with NMEDT funded projects.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration for Phosphorite in Hirapur-Khairwaha block, District: Chhatarpur, Madhya Pradesh" for approval of PSC, NMEDT with an estimated cost of Rs. 117.38 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per Annexure – 4A & 4B. The project will be reviewed after 4 and 8 months.

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Annexure 4A

Preliminary Exploration for Phosphorite in Hirapur-Khairwaha block, District: Chhatarpur, Madhya Pradesh

Proposed Area: 2.80 Sq.Km |No. of BHs: 8, Depth: 60m each | Total Drilling: 480 m | Schedule Timeline: 10 Months, Review after 4 & 8 Months

Sl. No.	Item of Work	Unit	SoC Item No.	Rates (₹)	Qty	Total Amount (₹)	REMARKS
A	**Geological work**						
i	Detailed Mapping (1:4000) with contouring	Sq.km	1.1	18,300.00	2.80	51,240.00	51240
ii	Geologist Man Days (Field)	days	1.2.1a	14,500.00	100	1,450,000.00	
iii	Labour Charges	perday	5.8	565.00	200	113,000.00	
iv	Charges for one sampler per day	per sample	1.2.1b	7,850.00	53	416,050.00	
v	Labour Charges for sampling	perday	5.8	565.00	212	119,780.00	
vi	Geologist Man Days (HQ)	days	1.2.1a	10,500.00	40	420,000.00	
	Sub Total A					**2,570,070.00**	
B	**Survey Work**						
i	Demarcation of block boundary, fixation of boreholes and determination of coordinates & RL by DGPS/CORS	per point	1.3.2	24,000.00	16	384,000.00	8 Borehole points & 8 boundary points
ii	Qualified Surveyor with Total Station for topographical survey and surface contouring (1: 4000 scale)	per day	1.3.1	10,500.00	20	210,000.00	
iii	Labour Charges	perday	5.8	565.00	80	45,200.00	
	Sub Total B					**639,200.00**	
C	**DRILLING (In house)**						
i	Drilling (soft rock)	m	2.2.1.1c	5,500.00	480	2,640,000.00	
ii	Land / Crop Compansation	per BH	5.6	30,000.00	8	240,000.00	As per actuals with 30000 being the

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							maximum ceiling for each BH
iii	Construction of Concrete Pillar (12" × 12" × 30")	per BH	2.2.7	2,000.00	8	16,000.00	
iv	Borehole Plugging by Cement	Lumpsum per borehole	2.2.8	10,000.00	8	80,000.00	
v	Core Preservation	m	5.3	1,590	400	636,000.00	One complete borehole plus mineralised cores of all BHs
vi	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp Setting and Winding, Construction of Approach Road)	Lump Sum	2.2.9	For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost		660,000.00	
	Sub Total C					**4,272,000.00**	
D	**Laboratory Studies**						
i	i) Primary Sample for 8 radicals (K2O, SiO2, MgO, CaO, Na2O, P2O5, Al2O3 & Fe2O3).	per sample	4.1.17a	4,200.00	420	1,764,000.00	400 core samples & 20 BRS samples
ii	ii) 10% External check samples for 8 radicals (K2O, SiO2, MgO, CaO, Na2O, P2O5, Al2O3 & Fe2O3).	per sample	4.1.17a	4,200.00	42	176,400.00	
iii	a) Preparation of thin polished section	per sample	4.3.2	800.00	10	8,000.00	
iv	Complete petrographic study report	per sample	4.3.4	2,800.00	10	28,000.00	
v	XRD analysis for identification of minerals.	per sample	4.5.2	4,000.00	5	20,000.00	
	Sub Total D					**1,996,400.00**	
	Sub Total A to D					**9,477,670.00**	
	Miscellaneous						

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E	Peer review charge (Fixed)	lumpsum		30,000.00	1	30,000.00	
F	Preparation of Exploration Proposal		Rule 5.1	0.00	1	189,553.40	
G	Geological Report Preparation		Rule 5.2 (ii)	0.00	1	250,000.00	
H	**Total Estimate Cost Without GST**					**9,947,223.40**	
I	**18 % GST**					**1,790,500.21**	
J	**Total Cost With GST (Rupees)**					**11,737,723.61**	
					Rs. In Lakhs	**117.38 lakhs**	
Note:							
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**						
2	**In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.**						
3	**If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.**						
4	**Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.**						
5	**Any item of work not mentioned above shall be added as per SoC.**						
6	**All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency**						

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Annexure 4B

Time Schedule/ Action Plan for Preliminary Exploration for Phosphorite in Hirapur-Khairwaha block, District: Chhatarpur, Madhya Pradesh

Sl.No.	Description		1	2	3	4		5	6	7	8		9	10
1	Camp setting	MONTHS					REVIEW					REVIEW		
2	Geological Mapping + BRS Sampling													
3	Survey work													
4	Laboratory studies of BRS (10 samples)													
5	Drilling													
6	Sampling													
7	Laboratory studies													
8	Geological Report													
9	Final Geological Report													

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Agenda 107.1.6. Preliminary Exploration (G3) for Graphite and Vanadium in Chauki-Deogaon block - Betul Graphite belt, District Betul, Madhya Pradesh.
(Proposal ID: ME/DD/G3/MP/26-27/283)
(Area: 2.59 sq. km.)
[Implementing Agency: M/s Deepsar Mineral Explorer]

a. The proposed block falls within Survey of India Toposheet Nos. 55G/09 and 55G/13 and comprises sheared porphyritic granite, phyllite, amphibolite, quartzite, migmatite, calc-silicate rocks, graphite schist, garnetiferous quartz-mica schist, banded iron formation and gabbro, among other lithologies.
b. GSI carried out G-4 stage reconnaissance exploration for graphite, base metals and associated mineralisation in the Kolhudhana–Selu–Chauki–Pangra areas of the Betul Belt, Betul District, Madhya Pradesh, during FS 2022–23.
c. Two channel samples collected from graphite schist in the Chauki area recorded fixed carbon (FC) values of 11.04% to 15.90%.
d. The graphite-bearing zone observed in the Chauki area extends approximately 10 m along strike (N45°E), with a width of 4–5 m.
e. Seven trench samples were collected at 1 m intervals from different trenches for graphite analysis. The trench samples recorded fixed carbon values of 6.46%, 3.96%, 8.03%, 7.17%, 5.37% and less than 1%, indicating variable graphite concentrations. The reported dataset contains six values for seven samples.
f. Based on the available exploration results, the agency proposed G-3 stage exploration to investigate the continuity, thickness, grade distribution and depth persistence of graphite-bearing zones.
g. The proposed work programme included detailed geological mapping at 1:2,000 scale, geochemical sampling, pitting and trenching, ground geochemical surveys, and exploratory drilling with aims to delineate graphite mineralisation and assess the mineral resources under the UNFC 333 category.
h. The Committee observed that 0.18 sq. km in the southwestern part of the proposed block falls within the ESZ and advised its exclusion. The Committee further noted that the remaining area lacks evidence of graphite mineralisation.
i. The Committee advised the agency to undertake a field visit, establish evidence of graphite-bearing zones through representative sampling across the area, and delineate a prospective block for submission of a revised proposal.

Sl. No.	Agency	Brief Comments
1.	GSI	GSi has carried out G-4 stage investigations for graphite, base metals and associated mineralisation during FS 2022–23 and tungsten mineralization during FS 1991–92. Although the graphite-bearing zone exhibits appreciable fixed carbon content (up to 15.90%), its extent is limited. No ongoing exploration programme has been reported

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		in the proposed area. The proposal may be considered for G4-level exploration, subject to assessment of the extent and continuity of graphite mineralisation.
2.	MECL	Not Received
3.	AMD	AMD has carried out G4-stage exploration for uranium in and around the proposed block during different phases, establishing evidence of uranium mineralisation, with grab samples reporting values of up to 0.050% U_3O_8. However, no exploration/reconnaissance project is currently ongoing in the area.
4.	State DMG/DGM/CGM	Not Received
5.	NMEDT	There is no overlapping with NMEDT funded projects. The proposed block overlaps with approximately 0.18 sq. km of the Final ESZ Gazette Notification area in the south-western (SW) direction.

Recommendations of TCC-1:

The Committee did not recommend the proposal, as the available data do not establish the occurrence of graphite mineralisation in the proposed area.

Agenda 107.1.7. Reconnaissance survey for Glauconite in Aurai area, Baloda Bazar District, Chhattisgarh
(Proposal ID: ME/DD/G4/CT/26-27/269)
(Area: 70 Sq. Km.)
[Implementing Agency: M/s Bhushilp Mines and Minerals Pvt Ltd]

a. The proposed block falls within Survey of India Toposheet No. 64K/07 and comprises sandstone, quartz arenite, siltstone and shale of the Chandarpur Group of the Chhattisgarh Basin.
b. Previous G-4 stage reconnaissance exploration by GSI for glauconitic sandstone around Pairaguda and Jhalpani, Baloda Bazar District, Chhattisgarh, reported K_2O values of 0.09–6.42% in bedrock samples (BRS) and 0.24–4.48% in PCS samples, with higher values primarily associated with the Chaporadih siltstone/shale.
c. Trench samples recorded K_2O values of up to 6.55% near Turturiya Temple, 6.74% south of Muripar and 5.77% north of Alda.
d. At Bhothai, weathered sandstone/soil of the Kansapathar Formation yielded K_2O values of 0.96–1.98% in Trench-5 and 3.25–3.65% in Trench-6.
e. GSI recommended advanced-stage exploration involving drilling in the Chaporadih Formation to investigate subsurface glauconitic horizons, particularly sandstone, shale and siltstone units showing encouraging K_2O values.

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f. Based on the available exploration data, the agency proposed G-4 stage exploration in the Aurai Glauconite Block, comprising large-scale geological mapping at 1:12500 scale, geochemical sampling, pitting/trenching, ground geochemical surveys and exploratory drilling to assess mineral resources under the UNFC 334 category.
g. The Committee reviewed the proposal and observed that the agency had not furnished evidence of glauconite mineralisation or analytical data from the proposed block to justify the proposal. It was further noted that K_2O values reported from adjacent areas were also low.
h. The Committee advised the agency to undertake a field visit, establish evidence of glauconite mineralisation, and collect representative channel samples across the area. Revised proposal may be submitted if the analytical results are encouraging.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block does not overlap with any of GSI's available M-II exploration items for Glauconite. However, previous GSI investigations have covered nearby areas under G-4 reconnaissance survey for Glauconite and associated mineralisation around Asnid–Bakla and for glauconitic sandstone around Pairaguda–Jhalpani in Baloda Bazar district, Chhattisgarh during FS 2023-24.
2.	MECL	The proposed block 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; however, no significant surface radioactive zone was delineated. No exploration/reconnaissance project is currently ongoing in the area.
4.	State DMG/DGM/CGM	Not Received
5.	NMEDT	There is no overlapping with the NMEDT funded projects, however, eastern part of the proposed block overlaps with the ESZ zone and major part of the proposed area is covered by Recorded Forest

Recommendations of TCC-1:

The Committee did not recommend the proposal, as the agency had not furnished sufficient geological and geochemical data to establish the potential for glauconite mineralisation in the proposed block.

Agenda 107.1.8. Preliminary Exploration For Critical Minerals Associated With Bauxite And Aluminous Laterite (G3 Stage) In Golvan Block, Sindhudurg District, Maharashtra.
(Proposal ID: ME/DD/G3/MH/26-27/171)

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

a. The proposed block falls within Survey of India Toposheet No. 47H/12 and is underlain predominantly by basalts of the Purandargarh Group and sedimentary rocks of the Kaladgi Supergroup.
b. The project was not reviewed as the agency did not present the proposal.

Recommendations of TCC-1:

The Committee rejected the proposal as the agency was not present to make the presentation before the Committee.

Agenda 107.1.9. Preliminary Exploration (G3) for Iron in KA- JG HALLI Area Block, Chitradurga District, Karnataka
(Proposal ID:)
[Implementing Agency: M/s HITTITES Exploration]

a. The proposed block falls within Survey of India Toposheet Nos. 57C/09 and 57C/13 and comprises predominantly Banded Iron Formation (BIF) horizons and ferruginous quartzites interbedded with schistose rocks and amphibolites.
b. GSI carried out preliminary investigations (P-II stage) for gold during FS 2002–04 across several prospects in the Chitradurga and Nagamangala Schist Belts of Karnataka.
c. During FS 2004–06, E-I stage exploration for gold in the Ajjanahalli East Block (Block-A), Sira Taluk, Tumkur District, estimated a tentative resource of 0.58 million tonnes at an average grade of 1.76 g/t Au, using a cut-off grade of 0.5 g/t Au.
d. Regional investigations and reconnaissance studies by the Department of Mines and Geology, Government of Karnataka, in collaboration with NMDC Limited, covered the Bukkapatna–Sira sector.
e. These investigations established the regional continuity of ferruginous horizons and identified ferruginous quartzite ridges and BIF horizons as the principal iron-bearing lithological units in the belt.
f. Based on the available exploration data, the agency proposed G-3 stage exploration to evaluate the potential for iron ore and associated critical minerals.
g. The proposed work programme includes geological mapping at 1:12,500 scale, geochemical sampling, pitting/trenching, ground geochemical surveys, geophysical studies and exploratory drilling to assess mineral resources under the UNFC 333 category.
h. The proposal was earlier reviewed in the 103rd TCC-I meeting, wherein the Committee did not recommend it, observing that the proposed area of 10.00 sq. km was too large for G-3 stage gold exploration. Comments from the Karnataka State Government were awaited at that time.
i. The Karnataka State Government subsequently informed that the proposed block completely overlaps with the area covered under gold and associated mineral application No. 18 ARP 2000, and the matter is pending before the Hon'ble High Court of Karnataka.

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j. As the matter is sub judice, the Committee did not approve the proposal.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block partly overlaps with GSI's G-4 stage exploration area (FS 2002–04) in its northern portion, while GSI's earlier investigation (FS 1985–87) lies adjacent to the western boundary of the proposed block. Although previous investigations primarily focused on gold mineralisation, the Banded Iron Formation (BIF) bands in the area may have potential for iron ore and associated gold mineralisation.
2.	MECL	The proposed block 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; however, no significant surface radioactive zone was delineated. No exploration/reconnaissance project is currently ongoing in the area.
4.	State DMG/DGM/CGM	DMG has not undertaken any reconnaissance or exploration work in the proposed area, and no baseline exploration data is available. Based on the available records at this Office, no Composite Licence (CL) or Mining Lease (ML), Quarry Lease for either major or minor minerals are granted within the proposed block. However, the proposed area is completely overlapping with application applied for Gold & associated mineral vide application no. 18 ARP 2000 (Map enclosed) and the matter is pending before the Hon'ble High Court of Karnataka
5.	NMEDT	The proposed block does not overlap with any NMEDT-funded projects; however, a portion of the area falls within Recorded Forest Area.

Recommendations of TCC-1:

The Committee did not approve the proposal, as the matter pertaining to the proposed area is sub judice before the Hon'ble High Court of Karnataka.

Agenda 107.1.10. Reconnaissance Survey (G4) for Vanadium bearing minerals, Titanium bearing minerals and ores (ilmenite, rutile and leucoxene) and Bauxite in Shankari Area, Kendujhar District, Odisha (Proposal ID: ME/IND/G4/OD/P/26-27/033)

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

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a. The proposed block falls within Survey of India Toposheet No. 73G/06, forming part of the Singhbhum–North Odisha Craton, west of the Singhbhum Granite. The surrounding geology includes the Older Metamorphic Group, Older Metamorphic Tonalite Gneiss and Iron Ore Group of rocks.
b. The Department of Mines and Geology (DoMG), Odisha, investigated the Dholkata Pahar bauxite deposits during 1975–82 and estimated an inferred resource of 5.09 million tonnes over an area of 1.07 sq. km, occurring as bauxite cappings over metabasalts on detached, flat-topped hillocks.
c. GSI carried out G-4 stage exploration for bauxite adjacent to Dholkata Pahar, Keonjhar District, during FS 2008–09, estimating a possible resource of 16.18 million tonnes across five plateaus, classified under UNFC 334.
d. GSI undertook a research project during FS 2024–25 on the characterisation of critical minerals from favourable lithologies of the Bonai–Keonjhar Belt, Odisha. Intense lateritisation and bauxitisation were observed over Malangtoli metavolcanics in the Shankari area, particularly on elevated plateaus and low undulatory mounds at 724–802 m above mean sea level.
e. During the field visit, the agency collected bedrock samples that recorded Al_2O_3 values of 39.5–46.9%, TiO_2 values of 0.98–2.37% and V_2O_5 values of 0.32–0.71%.
f. The reported aluminium, titanium and vanadium concentrations indicate the need to evaluate the mineral potential of the lateritised and bauxitised terrain and assess the distribution of associated critical minerals.
g. The agency proposed G-4 stage exploration to assess the continuity and potential of aluminous laterite/bauxite and associated Ti–V mineralisation through 1:12,500-scale geological mapping, geochemical sampling, pitting/trenching, ground geochemical surveys and exploratory drilling for resource assessment under UNFC 334 category.
h. The proposal was earlier discussed in the 105th TCC-I meeting, wherein the agency reported that 10 representative surface samples recorded Al_2O_3 values of 39.50–46.91%, SiO_2 of 2.92–4.15%, TiO_2 of 0.98–2.97% and V_2O_5 of 0.32–0.71%.
i. The Committee advised the agency to plot the available critical mineral data, including TiO_2 and vanadium values, on the existing geological map and submit the DPR in the subsequent TCC meeting.
j. The Odisha State Government informed the Committee that the proposed block overlaps with an infrastructure project in the western part. Accordingly, the agency excluded the affected area, reduced the block area from 41.176 sq. km to 38.03 sq. km, and modified the block boundary.
k. The committee reviewed the revised proposal and advised the agency to undertake large-scale mapping (LSM), surface sampling and scout drilling, and modify the project title to “Reconnaissance Survey (G-4) for Bauxite and Aluminous Laterite and Associated Critical Minerals in Shankari Area, Kendujhar District, Odisha.”

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Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block partly overlaps with GSI's earlier exploration block for iron ore in the Chamakpur–Nayagarh–Suakati area (G-4, FS 2012–13). It overlaps with the RMT block of the Telkoi Valley–Mankarchua sector (FS 2021–22) and the gold exploration block in the Bonai–Keonjhar area (G-4, FS 1992–93). No exploration or reconnaissance project for Ti, V or other mineral commodities is currently ongoing by GSI in the proposed area. The analytical results of the ten samples cited by the proposer should be verified, and the overlapping area should be excluded, following which the proposal may be considered for further exploration.
2.	MECL	The proposed block has no overlapping with the ongoing or 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	Not received
5.	NMEDT	The proposed block do not overlap with NMEDT funded projects

Recommendations of TCC-1:

The committee recommended the proposal titled "Reconnaissance Survey (G4) for Aluminous Laterite, Ti & V in Shankari Block, Kendujhar District, Odisha (Area: 38.03 sq km)" for approval of PSC, NMEDT with an estimated cost of Rs. 87.35 lakhs (including GST) with a timeline of 10 months for carrying out the proposed work and submission of report as per Annexure – 5A & 5B. The project will be reviewed after 4 and 8 months.

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Annexure 5A

Reconnaissance Survey (G4) for Aluminous Laterite, Ti & V in Shankari Block, Kendujhar District, Odisha
Area:-38.03 sq km., Total Drilling:250m; BHs-08; Depth of each Borehole: 25m, Schedule Timeline- 10 months, Review: after 4 & 8 months

Sl. No.	Item Of Work	Unit	Rates as per NMET SoC		Estimated cost		Remarks	PSC Approved	
			SoC-Item No.	Rates as per SoC (a)	Qty. (b)	Total Amount (Rs.) (a*b)		Qty.	Total Amount
A	**Geological Mapping Other Geological Work & Surveying**								
1	Geological Mapping (1: 12,500)	Per Sq. Km.	1.1	18,300	38.03	695949			
2	Charges for one Geologist per day in field for all geological work	day	1.2.1a	14,500	60	870000			
3	Labours Charges		5.8	565	120	67800			
4	Charges for the Sampler per day	day	1.2.1b	7850	44	345400			
5	Labours for Sampler (4 Nos)		5.8	565	176	99440			
6	Charges for the Geologist per day at HQ	day	1.2.1a	10,500	30	315000			
	Sub Total - A					**2393589**			
B	**Survey Work**								
1	Fixation of BH points by DGPS	Per Point of Observation	1.3.2	24,000	8	192000			
2	Pitting	per cu. m.	2.1.2	4,725	20	94500			
3	Trenching	per cu. m.	2.1.1	4,125	80	330000			
	Sub Total - B					**616500**			
C	**Drilling (Inhouse)**								
1	Drilling (soft rock)	Per m	2.2.1 c	5,500	250	1375000	1 Statigraphic borehole: 40m depth		
2	Drill Core Preservation	Per m	5.3	1590	200	318000	One complete borehole and mineralised cores of all		

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							BHs		
3	Construction of concrete Pillar (12"x12"x30")	Per borehole	2.2.7	2000	8	16000			
4	Borehole Plugging	Lumpsum per borehole	2.2.8	10000	8	80000			
5	Miscellaneous Charges (Transportation of Drilling Rig, Accomodation for Drill Camp, Camp Setting and winding, construction of Approach road and Drill core preservation)	Lumpsum	2.2.9(1)	25% of drilling cost		343750			
	Sub Total - C					**2132750**			
D	**Laboratory Studies**								
	Geochemical Studies								
1	Major oxides (WD XRF) - (oxides+ traces- 24 elements) Surface/PTS/Channel/Core	Per Sample	4.1.17a	4200	330	1386000	BRS/channel sample: 100, Pit/Trench sample: 70, Core samples: 160		
4	External (10%) Check samples	Per Sample	4.1.17a	4200	33	138600			
5	Analysis of one rock/ soil samples for quantitative analysis of 14 REE elements + 9 trace element (U, Ta,Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (Sequential technique)	Per Sample	4.1.15	7400	25	185000			
	External (10%) Check samples	Per Sample	4.1.15	7400	3	22200			
	For each Additional trace elements samples (including Sc & Ga) by ICP-MS	Per Sample	4.1.17b	421	50	21050	2 Addl. Elements for 25 samples		
6	External (10%) Check samples	Per Sample	4.1.17b	421	6	2526	2 Addl. Elements for 25 samples		
	Physical, Pertrological, Mineralogical Studies								

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8	Preparation of polished thin section of rock/ water	Per Sample	4.3.2	800	10	8000			
9	Complete petrographic/ ore microscopic study/ mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Per Sample	4.3.4	2800	10	28000			
10	XRD Studies	Per Sample	4.5.2a	4900	10	49000			
	Sub Total - D					**1840376**			
	Total A to D					**6983215**			
G	Geological Report Preparation	soft copy				250000			
H	Peer Review Charges	As per EC decision				30000			
I	Preparation of Exploration Proposal	soft copy	5.1			139664.3			
	Total Estimated Cost					**7402879.3**			
	GST @18%					1332518.274			
	Total cost with GST Rs. In Lakhs					**8735397.574**			
						87.35 lakhs			
Note:									
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**								
2	**In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.**								
3	**If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.**								
4	**Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.**								
5	**Any item of work not mentioned above shall be added as per SoC.**								
6	**All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency**								

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Annexure 5B

Time Schedule/ Action Pan for Reconnaissance Survey (G4) for Aluminous Laterite, Ti & V in Shankari Block, Kendujhar District, Odisha

Sl. No.	Activities	Months											
		1	2	3	4	REVIEW	5	6	7	8		9	10
1	Camp Establishment/Preparatory allied activities/LSM												
2	LSM												
3	Excavation/BH fixation/ Sampling												
4	BH Fixation/Drilling / Core Sampling												
5	Chemical Analysis & Petrographic Studies												
6	Data Interpretation,Resource Estimation & GR Preparation												
7	GR Submission/Peer Review/ Compliance												
8	Final Submission of GR												

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Agenda 107.1.11. Preliminary Exploration (G-3) for Gold and Associated Mineralisation in the Javakula "B" Block (10 Sq. Km), Sri Satya Sai District, Andhra Pradesh (Toposheet No-57J/08) Block, Sri Sathya Sai District, Andhra Pradesh
(Proposal ID: ME/DD/G3/AP/26-27/305)
[Implementing Agency: M/s Gemcokati Exploration Pvt. Ltd.]

a. The proposed block falls within Survey of India Toposheet No. 57J/08 and comprises metabasalt, felsic volcanic rocks, quartz-mica schist and post-tectonic intrusions of dolerite dykes and major quartz veins.
b. GSI carried out investigations for gold mineralisation in the northern part of the Veligallu Greenstone Belt, Andhra Pradesh, during FS 2004–06. Subsequently, G-4 stage reconnaissance exploration for gold and associated minerals was undertaken in the northern Veligallu Schist Belt and adjoining areas.
c. M/s Geomysore Services (India) Pvt. Ltd. collected and analysed 188 samples over 240 sq. km in the Kothapalle Reconnaissance Permit (RP) block, comprising 89 stream sediment, 81 soil and 18 rock-chip samples.
d. Of the samples analysed, 15 recorded anomalous gold values exceeding 50 ppb, ranging from 58 ppb to 368 ppb, while the highest value of 1,441 ppb was recorded in a stream sediment sample.
e. The reported gold anomalies indicate potential for further investigation to delineate gold-bearing zones within the proposed block.
f. The proposal was earlier discussed in the 99th TCC-I meeting, wherein the Committee observed that the reported geochemical anomalies were weak and scattered, with no well-defined mineralised zone delineated. The agency was advised to undertake field investigations, generate analytical data and review relevant published literature to strengthen the proposal.
g. The agency subsequently reported collection of 36 samples, including bedrock (BRS), stream sediment (SSS), soil and laterite samples, of which four samples recorded gold values ranging from 90 to 270 ppb.
h. The Committee observed that the agency had not established the lithological and structural controls or alteration patterns associated with gold mineralisation, and no well-defined gold-bearing zones had been delineated.
i. In view of the limited analytical evidence and absence of delineated mineralised zones to justify G-3 stage exploration, the Committee did not recommend the proposal.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block falls within GSI's ongoing Regional Mineral Targeting (RMT) project for gold, copper, rare-earth and rare-metal mineralisation in and around the Veligallu Schist Belt of the Eastern Dharwar Craton, covering Sri Sathya Sai, Y.S.R. and Annamayya districts, Andhra Pradesh (FS 2026–27). The block boundary should be modified to exclude the overlapping area.
2.	MECL	The proposed block has no overlapping with the

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		ongoing or completed blocks of MECL.
3.	AMD	AMD has carried out reconnaissance exploration (G4 stage) for uranium in and around the proposed block; however, no significant surface radioactive zone was delineated. No exploration/reconnaissance project is currently ongoing in the area.
4.	State DMG/DGM/CGM	The proposed area has not been covered by any ongoing exploration/reconnaissance projects related to the mentioned commodities, as per the records of the State DMG. The area appears to have potential for further exploration, as indicated in the geological report of MEIRT; however, the opinion of GSI may also be obtained in this regard. The statement received from o/o the District Mines and Geology office, Puttaparthy, Sri Sathya Sai District (ANExxuRE I) states that as on date there are no existing Mining Leases / Prospecting Licences I 10 A (2B) in Javakula block-B within the Jurisdiction of o/o the District Mines and Geology office, puttaparthy, Sri sathya Sai District.
5.	NMEDT	There is no overlapping with the NMEDT Funded projects as per NGDR Portal.

Recommendations of TCC-1:

The Committee did not recommend the proposal, as the agency had not established the lithological and structural controls or alteration patterns associated with gold mineralisation, and well-defined gold-bearing zones had not been delineated to justify G-3 stage exploration.

107.2 Project Evaluation for In–Principle Approval

Agenda 107.2.1. Preliminary Exploration(G3) for Nb and associated minerals in and around Baratand village, Jamui district, Bihar
(Proposal ID: ME/IN/G3/BR/P/26-27/368)
[Implementing Agency: M/s Geo Marine Solutions Private Limited]

a. The proposed block falls within Survey of India Toposheet Nos 72L/02 and the lithounits exposed in the area are granite gneiss, muscovite-biotite granite gneiss and augen gneiss of the Chota Nagpur Gneissic Complex (CGC), amphibolite occurring as enclaves and micaceous quartzite and garnetiferous mica schist. Hazaribagh Granite, amphibolite, pegmatite, quartz veins and dolerite/gabbro occur as intrusive bodies.

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b. GSI has carried out Reconnaissance Survey (G-4 Stage) for Lithium, Niobium, Tantalum and associated Strategic Minerals (Ree, Rare Metals) in and around Kairi-Jhura-Murbaro area, Jamui District Bihar (FS.2024-25).
c. Based on the combined geological and geochemical results, three potential blocks were delineated for further REE–RM exploration. Block-I shows TREE of 504–677 ppm in BRS and Nb up to 812 ppm in soil; Block-II shows the strongest enrichment, with TREE reaching 4213 ppm in BRS and 1766 ppm in pitting/trenching, and Nb reaching 983 ppm in soil; while Block-III shows TREE of 513–781 ppm in soil and Nb up to 639 ppm in soil.
d. The committee was informed by the agency there is some local agitation in the area.
e. The agency did not present the proposal due to reported local law and order situation in the proposed area.
f. The committee advised the agency the project may be taken up for consideration once the agency gets clarification regarding local agitation in the area.

Sl. No.	Agency	Brief Comments
1	GSI	Not Received
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	The block boundary was checked for overlap with any of our existing EL/CL/ML blocks in the area. It was found that there is no overlap with any of the existing blocks.
5	NMEDT	The proposed block does not overlap with any NMEDT-funded projects. However, an NMEDT-funded project (MECL-completed) is located approximately 19 km south of the proposed block.

Recommendations of TCC-1:

The committee rejected the proposal and advised the agency to seek clarification regarding local agitation in the area and then submit the proposal.

Agenda 107.2.2. Preliminary Exploration (G3) for the assessment of Nb+Ta & associated minerals in Kanalva block, Chota Udepur district, Gujarat (Proposal ID: ME/IN/G3/GJ/P/26-27/351)
[Implementing Agency: M/s Geo Marine Solutions Private Limited]

a. The agency informed the committee, GSI during FS.2023-24 has carried out a reconnaissance survey for rare metals in the alkaline dyke complex of Panvad-Kawant area in and around Panvad and Sajwa areas, Chhota Udepur District, Gujarat (1:12500 scale) and collected a total of 115 BRS, 20 PCS, 20 PS, 05 EPMA and 05 SEM samples.

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b. GSI has identified 223 dykes in the area during G4 stage exploration. In Kanalva block, Lamprophyre and Olivine Lamprophyre dykes, Grey Trachyte and Pink Trachyte dykes are present.
c. The committee noted that 16 samples including 9 BRS and 7 PTS, falls within the proposed Kanalva block and the analytical results of these samples show that, $(Nb+Ta)_2O_5$ values varies from 24.94 ppm to 207.85 ppm (avg:126.38 ppm).
d. The Committee opined that economically viable concentrations of Nb and Ta are commonly associated with placer deposits, while their occurrence in economically exploitable concentrations in carbonatite complexes is relatively less common. Furthermore, the Nb and Ta values presented by the agency are not sufficiently encouraging to justify undertaking G3-stage exploration in the area.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block does not overlap with any ongoing Nb–Ta and associated mineral exploration projects. However, a previous reconnaissance survey for rare metals was conducted in the Panvad–Kawant area, Chhota Udepur District, Gujarat (WRO-25863, FS 2023–24). Analytical results of 37 samples indicate that $(Nb+Ta)_2O_5$ values range from 116.55 ppm to 605.80 ppm, with an average of 399.07 ppm.
2	MECL	The proposed block 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 block do not overlap with NMEDT funded projects however, some area falls in the recorded forest area.

Recommendations of TCC-1:

The Committee did not accord in-principle approval to the proposal as the values for Nb & Ta are not encouraging for G3 stage exploration.

Agenda 107.2.3. Preliminary Exploration(G3) for Nb+Ta and associated minerals in and around Panibar village, Chota Udepur district, Gujarat (Proposal ID: ME/IN/--Select--/GJ/P/26-27/352)
[Implementing Agency: M/s Geo Marine Solutions Private Limited]

a. The proposed block falls within Survey of India Toposheet No. 46F/16 and the lithounits exposed in the area are rocks of Chhota Udaipur Gneiss, Bagh Group, Deccan Trap and Godhra Granite.
b. The agency informed the committee, GSI during FS.2023-24 has carried out a reconnaissance survey for rare metals in the alkaline dyke complex of Panvad-Kawant area in and around Panvad and Sajwa areas, Chhota Udepur District,

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Gujarat (1:12500 scale) and collected a total of 115 BRS, 20 PCS, 20 PS, 05 EPMA and 05 SEM samples.

c. The committee was informed that the proposed block overlaps by approximately 75% with GSI's proposed block during FS 2027-28 for Nb-Ta (niobium–tantalum) and associated mineralisation, which is currently under process for approval.
d. The committee suggested to seek clarification from GSI regarding the approval stage of the project and based on the clarification received from GSI, the project may be taken up for further deliberation in the next TCC meeting.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block overlaps by approximately 75% with GSI's proposed block for Nb-Ta (niobium–tantalum) and associated mineralisation, which is currently under process for approval. Further, previous reconnaissance survey data from the Panvad-Kawant area, Chhota Udepur District, Gujarat (WRO-25863, FS 2023–24), indicate that Nb+Ta)$_2$O$_5$ values in 37 samples range from 116.55 ppm to 605.80 ppm, with an average of 399.07 ppm.
2	MECL	The proposed block 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 block do not overlap with NMEDT funded projects however, some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The Committee deferred the proposal as the proposed block overlaps 75% with GSI proposed block currently under approval. The status of the proposed block, may be clarified from GSI before further consideration of the proposal.

Agenda 107.2.4. Preliminary exploration (G3) for gold and iron ore in Mallur block, Dharwad district, Karnataka.
(Proposal ID: ME/IN/G3/KA/P/26-27/343)
[Implementing Agency: M/s GeoExpOre Pvt Ltd]

a. The proposed block falls within Survey of India Toposheet No. 48-I/15 and it forms a part of the northern Shimoga Schist Belt (SSB), comprising the principal lithounits include meta-argillite, meta-greywacke and Banded Iron Formation (BIF), intruded by felsic volcanic rocks, dolerite/gabbro dykes and quartz veins.
b. GSI has carried out Regional targeting (P-I Stage) for BIF hosted gold mineralisation in the northern part of Shimoga - North Kanara schist belts in parts of toposheet nos. 48/I/14, 48J/13 and 48J/14 and 48M/2 in Dharwar, Belgaum and North Kanara districts, Karnataka, during the FS: 2005-06.

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c. The maximum gold value obtained from the area is 2.29g/t over a width of 2 m which is collected near the temple of Shadbal village.
d. Reconnaissance survey for Gold and associated mineralization around Devagiri Area, Dharwad District, Karnataka (2025-26). Based on the geological and geochemical works carried out, two potential auriferous zones have been delineated in Nigadi and Mallur blocks.
e. The committee was informed that the proposed block is overlapping with the GSI project taken up for exploration for FS 2027-28.
f. The proposed block is also partially overlapping with GM block in the southern part.
g. The Committee advised the agency to revise the proposed exploration area, if warranted by the mineral potential along its northern extension and submit a fresh proposal for consideration removing the overlapping area.

Sl. No.	Agency	Brief Comments
1	GSI	GSI has reported gold values of up to 2.29 g/t over 2 m near Shadbal village and anomalous gold values of up to 29.4 ppm in surface and trench samples around Devagiri. Although no exploration work is currently ongoing in the proposed NPEA block, it overlaps with a GSI project planned for FS 2027–28. Based on the available baseline and exploration data, the area is considered feasible for further gold exploration, and GSI has taken up a G3-stage investigation for FS 2027–28.
2	MECL	The proposed block has no overlapping with the ongoing or 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	Not Received
5	NMEDT	The proposed block do not overlap with NMEDT funded projects.

Recommendations of TCC-1:

The Committee did not accord in-principle approval to the proposal as approximately 60% of the proposed block overlaps with GSI project for FS 2027-28 and the GM block.

Agenda 107.2.5. Reconnaissance Survey (G4) for Iron Ore and associated minerals in Kalakeri Block, Dharwad District, Karnataka.
(Proposal ID: ME/IN/G4/KA/P/26-27/349)
[Implementing Agency: M/s GeoExpOre Pvt Ltd]

a. The proposed block falls within Survey of India Toposheet No. 48-I/15 and it forms part of the northern Shimoga Schist Belt (SSB), comprising the principal lithounits

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include meta-argillite, meta-greywacke and Banded Iron Formation (BIF), intruded by felsic volcanic rocks, dolerite/gabbro dykes and quartz veins.

b. GSI has carried out Regional targeting (P-I Stage) for BIF hosted gold mineralisation in the northern part of Shimoga - North Kanara schist belts in parts of toposheet nos. 48/I/14, 48J/13 and 48J/14 and 48M/2 in Dharwar, Belgaum and North Kanara districts, Karnataka, during the FS: 2005-06.
c. The Committee was informed that GSI had undertaken exploration for gold and base metals in and around the proposed block. However, no analytical values for iron were reported by GSI from the explored area.
d. The Committee observed that the agency had not presented any analytical results pertaining to iron mineralization within the proposed block.
e. In view of the absence of the analytical values for Iron in the proposed block, the committee suggested the agency to visit field, collect channel samples from different BIF bands exposed in the area to justify the proposal.
f. In view of the absence of analytical data for iron in the proposed block, the committee advised the agency to undertake a field visit and collect channel samples from various exposed Banded Iron Formation (BIF) bands in the area. The analytical results of these samples may be submitted to substantiate the mineral potential and justify the proposal.
g. The Committee advised the agency to submit a proposal for in-principle approval for further consideration, subject to receipt of encouraging analytical results.

Sl. No.	Agency	Brief Comments
1	GSI	GSI has carried out exploration for gold and associated mineralisation in and around the proposed NPEA block, reporting gold values of up to 2.29 g/t and anomalous values of up to 29.4 ppm. No exploration or reconnaissance projects for iron ore and associated minerals are ongoing in the proposed area. As the available data primarily relate to gold and base metals, the feasibility of iron ore exploration cannot be assessed.
2	MECL	The proposed block 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 block do not overlap with NMEDT funded projects however, some area falls in Recorded Forest Area.

Recommendations of TCC-1:

The Committee did not recommend the proposal at this stage, as the agency had neither undertaken a field visit to the proposed area nor provided any analytical data pertaining to iron mineralization. The Committee advised the agency to conduct a field visit, collect channel samples from various exposed BIF bands within the proposed area and strengthen the supporting database with analytical results to substantiate the mineral

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potential before resubmitting the proposal for consideration.

Agenda 107.2.6. Preliminary exploration of Bauxite in Salaiya block, Lohardaga District, Jharkhand
(Proposal ID: ME/IN/G3/JH/P/26-27/362)
[Implementing Agency: M/s Gems Projects Pvt. Ltd]

a. The agency informed the Committee that they were in field and requested to present the proposal in the next TCC meeting.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block is closed to the GSI exploration STM block (FSP 2025–26), there are other NMEDT funded blocks, including Madupat, Garhpat, Bangla Pat, Siskaripat and Rudni-Pat near the proposed block.
2	MECL	The proposed block 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 block do not overlap with NMEDT funded projects however, nearly 90% of the area falls in Recorded Forest Area. Two NMEDT blocks on the NW and SW of the proposed area.

Recommendations of TCC-1:

The proposal was not discussed as the agency did not present.

Agenda 107.2.7. Preliminary (G3) Exploration Survey for Limestone Mineral Deposit in Kilimangalam Block, Ariyalur District, Tamilnadu (ME/IN/G3/TN/P/26-27/323)
[Implementing Agency: M/s Geotechnical Mining Solutions]

a. The committee noted that the proposed block falls in Survey of India Toposheet No. 58M/04 and lies directly over the limestone with marl/calcareous shale of the Niniyur Formation which represents the youngest limestone band in the Ariyalur region. The formations display a general strike of NW-SE with shallow easterly dips varying from 5° to 7°.
b. The Committee noted that the limestone band trends in the NW–SE direction, extending over a strike length of approximately 3.24 km and a width of 0.66 km.
c. The Committee observed that the agency had not incorporated the structural data in the geological map, which is essential for undertaking G3-stage exploration.
d. The Committee advised the agency to undertake a field visit, collect the requisite structural data and incorporate the same into the geological map.

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e. The Committee further advised the agency to prepare geological cross-sections, profile lines and a proposed borehole plan with a grid spacing of 800 m × 800 m while submitting the DPR.
f. The Committee noted that the agency had collected eight samples, comprising bedrock samples (BRS) and auger samples, from the proposed area of 4.95 sq. km. The samples were analysed at an NABL-accredited laboratory and yielded an average CaO grade of 42.86%.
g. The committee reviewed the proposal and it is observed that the agency has no clarity on stratigraphic position, dip of the strata of limestone horizon. Further the agency proposed boreholes in the sandstone for which no justification was provided and overburden ratio is presented. The committee advised the agency to make field visit, understand the stratigraphy, position of limestone bands, collect structural data, plot in the geological map, plan boreholes at 800 m grid spacing, prepare borehole sections, justify the boreholes in sandstone with overburden ratio if at all required. The committee accorded in-principle approval subject to compliance of the committee's suggestions.

Sl. No.	Agency	Brief Comments
1	GSI	No previous or ongoing exploration projects have been reported by GSI (SU-TNP) in the proposed Kilimangalam Limestone G-3 block. However, the proposed block lies over the limestone and marl/calcareous shale of the Niniyur Formation which represents the youngest limestone band in the Ariyalur region. The proposed block is along the strike extension of the operative Anandwadi Limestone Mine and the G2 Anandwadi block of MECL (recently auctioned by DGM, Tamil Nadu). Analytical results of eight samples of NPEA indicate CaO values ranging from 36.10% to 53.07%, with an average of 42.86%. In view of the encouraging results and potential for limestone resource augmentation, the proposal may be considered for G3-level exploration.
2	MECL	The proposed block has no overlapping with the ongoing or 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	Not Received
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however, some area falls in Recorded Forest Area (approx. 28%).

Recommendations of TCC-1:

The Committee accorded in-principle approval to the proposal and advised the agency to undertake a field visit, collect and incorporate the requisite structural

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data into the geological map and prepare geological cross-sections, profile lines, and a proposed borehole plan with a grid spacing of 800 m × 800 m for submission along with the DPR.

The DPR may be submitted within 2 months.

Agenda 107.2.8. Reconnaissance Survey (G4) for REE, RM and associated mineralization in Donkamokam Block (60.99 Sq. Km.), West Karbi Anglong District, Assam.
(Proposal ID: ME/IN/G4/AS/P/26-27/325)
(Area: 60.99 sq. km.)
[Implementing Agency: M/s Sathi Planners Private Limited]

a. The proposed block falls within Survey of India Toposheet No. 83C/09 and the litho units consist mainly of sillimanite gneiss, amphibolite, augen gneiss, and schist, occurring as enclaves within Assam–Meghalaya Gneissic Complex (AMGC) migmatites and hornblende–biotite gneiss.
b. The Committee was informed that GSI is undertaking G4-stage exploration for Rare Earth Elements (REEs) during Field Season 2026–27 in the western part of the proposed block. Further, approximately 87% of the proposed block overlaps with the area proposed for exploration by GSI during Field Season 2027–28.
c. The Committee observed that, since GSI is already undertaking exploration in the adjoining areas during the ongoing field season, GSI may continue exploration activities in the proposed block to ensure continuity.
d. In view of the substantial overlap (87%) of the proposed block with GSI's planned exploration area for Field Season 2027–28, the Committee did not accord in-principle approval to the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed Donkamokam block overlaps by approximately 5% with an ongoing GSI G4-stage REE exploration block (FS 2026–27) and by approximately 87% with another G4-stage exploration block proposed by GSI, SU-Assam. GSI, SU-Assam, has planned three G4-stage REE reconnaissance projects based on encouraging geological indications and available baseline and exploration data, of which two are under execution and one is yet to be taken up.
2	MECL	The proposed block 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; however, no significant surface radioactive zones were delineated. There is no ongoing exploration/reconnaissance project.
4	State DMG/DGM/CGM	Not Received

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5	NMEDT	There are no overlapping with ongoing or completed NMEDT projects in the proposed area as per NGDR. No ESA/ESZ/Tiger corridor is present within the proposed area.

Recommendations of TCC-1:

The committee did not accord in-principle approval due to substantial overlap (87%) of the proposed NPEA block with GSI's approved exploration area for Field Season 2027–28.

Agenda 107.2.9. Preliminary Exploration (G3) for Bauxite/Aluminous Laterite and Associated Critical Minerals at Dumarkona Block (15.03 Sq. Km.), Jashpur District, Chhattisgarh.
(Proposal ID: ME/IN/G3/CT/P/26-27/319)
(Area: 15.03 sq.km.)
[Implementing Agency: M/s Sathi Planners Private Limited]

a. The proposed block falls within Survey of India Toposheet No. 64M/16 and lies within the geological setting of the Chhotanagpur Gneissic Complex (CGC). GSI has carried out Specialised Thematic Mapping (STM) during Field Season 2017–18.
b. GSI has reported occurrences of bauxite and aluminous laterite in the vicinity of Dumarkona, Jamniapat and Chalni, covering an area of approximately 15 sq. km.
c. Seven bedrock samples collected from within the proposed block, classified as bauxite by GSI, recorded Al_2O_3 values ranging from 50.52% to 59.24%, with V and Zr concentrations reaching up to 1,020 ppm and 1,115 ppm, respectively.
d. Four stream-sediment samples collected from within the proposed block recorded Al_2O_3 values ranging from 16.02% to 17.62%, TiO_2 from 1.03% to 2.44%, V from 93 to 262 ppm and Zr from 443 to 623 ppm, providing supplementary geochemical evidence of mineralization in the area.
e. DGM, Chhattisgarh, informed the Committee that there is significant local agitation to exploration activities in Jashpur district. Accordingly, the committee advised the agency to obtain prior consent from the concerned Gram Panchayat or local administration before the project is considered for approval.
f. The committee reviewed the proposal and it is observed that porphyritic granite exposed in the eastern and north-western part and advised the agency to exclude these areas. The committee advised the agency to make field visit, collect channel/profile samples from different laterite zones and present proposal with analytical data.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block overlaps 100% with the Jamirapat, Joka- Lahsunpat And Jarangpat Areas for bauxite exploration by GSI during 1969-70.
2	MECL	The proposed block has no overlapping with the ongoing or completed blocks of MECL.

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3	AMD	AMD has carried out G4-stage reconnaissance exploration for uranium in and around the proposed block; however, no significant surface radioactive zones were delineated. There is no ongoing exploration/reconnaissance project.
4	State DMG/DGM/CGM	Not Received
5	NMEDT	There are no ongoing or completed NMEDT projects in or around the proposed block as per NGDR, however, some area falls in Recorded Forest Area (approx. 23%). The block does not fall in ESA/ESZ/Tiger Reserve.

Recommendations of TCC-1:

The Committee accorded in-principle approval to the proposal and advised the agency to undertake a field visit, collect and analyse channel samples and revise the block boundaries in eastern and north-western part covered by porphyritic granite. The Committee further advised the agency to obtain the requisite clearance from the concerned local authorities and submit the same along with the DPR.

The DPR may be submitted within 3 months.

Agenda 107.2.10. Preliminary exploration (G-3 stage) for Zn-Pb and associated mineralization in Jahajpur meta sediments of Umedpura Manoharpura area, Bhilwara district, Rajasthan.
(Proposal ID: ME/IN/G3/RJ/P/26-27/312)
[Implementing Agency: M/s Vardan Environet LLP]

a. The committee was informed that GSI has carried out G4 stage exploration during FS 2016-17 for basemetal, gold, tin, tungsten and molybdenum in Kanti- Haziwas-Devtalai- Paroli area of Bhilwara district, Rajasthan.
b. Chemical analysis of 200 grab bedrock samples, including well-section samples, revealed Cu values ranging from 5 to 19,000 ppm. Eight quartz vein samples from the Devtalai–Gudaliya area recorded Cu values of 0.23% to 1.9%, averaging 0.56% Cu.
c. The committee was informed that as per the comments of State DGM, the entire area falls within the FSI-designated Aravalli Hills polygon.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block has no ongoing exploration projects. Previous G4-stage exploration in the Kanti–Haziwas–Devtalai–Paroli area, Bhilwara District, Rajasthan (FS 2016–17), reported copper values from the grab samples ranging from 5 ppm to 19000 ppm Eight samples collected from the quartz veins in Devtalai-Gudaliya area shows high copper value ranging from 0.23% Cu to 1.9% Cu with average value 0.56% Cu.
2	MECL	The proposed block has no overlapping with the ongoing or completed blocks of MECL.

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3	AMD	AMD has carried out reconnaissance exploration (G4 stage) for uranium in and around the proposed block in different phases. Grab samples (n=30) analysed up to 0.095% U3O8 from the area. In view of the known potentiality for uranium in the area, analysis of uranium may be included in the analysis list. Further, intimation regarding drilling of the boreholes, if any, during the exploration may be communicated to AMD for gamma-ray logging.
4	State DMG/DGM/CGM	As per the Directorate's circular dated 09.01.2006, the proposed block, covering an area of 149.1518 hectares, falls within the Aravalli Hills. Further, in accordance with the interim order dated 09.05.2024 passed by the Hon'ble Supreme Court in Writ Petition No. 202/1995 (Godavarman vs. Union of India), and based on the FSI Report dated 25.08.2010 and the subsequent polygons, the entire area falls within the FSI-designated Aravalli Hills polygon.
5	NMEDT	There is no overlapping with NMEDT funded block in the proposed area, however, nearly 70% area falls in Recorded Forest Area and do not fall in ESA/ESZ/Tiger corridor.

Recommendations of TCC-1:

The Committee did not recommend the proposal in view of the comments of DGM, Rajasthan, as the proposed area falls completely within the FSI Aravalli Hills polygon.

Agenda 107.2.11. Reconnaissance Survey for Graphite in Barha Kuang - Kalyansinghpur Area, Rayagada District, Odisha.
(Proposal ID: ME/IN/G4/OD/P/26-27/425)

[Implementing Agency: M/s Vardan Environet LLP]

a. The proposed area falls in Survey of India Toposheet Nos. 65M/06 and 65M/07 and forms part of the high-grade metamorphic terrain of the Eastern Ghats. The area is predominantly underlain by quartz-garnet-sillimanite-graphite schist/gneiss, a favourable lithological assemblage for graphite mineralization.
b. The previous investigation DOD-00178-1995 by GSI, established disseminated graphite mineralisation N-E of Barha Kuang within khondalite. The mineralised zone was reported over approximately 100 m along strike and 80 m in width. Two exploratory pits, excavated to depths ranging from 0.60 to 1.00 m to assess the nature and continuity of graphite mineralization, yielded Fixed Carbon (FC) values ranging from 8.25% to 17.03%.
c. The Committee reviewed the proposal and advised the agency to undertake a field visit and collect channel samples from graphite bands, delineate the mineralized zones. The agency can submit the DPR if encouraging analytical results received.
d. The agency to exclude the private land for which NOC has already been issued, by state DGM covering a total area of Ac. 837.728 in 12 villages under Kalyansinghpur

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Tahasil, Rayagada District. The committee advised the agency to exclude the area and modify the block.

e. The committee reviewed the proposal and advised the agency to make field visit, show evidences of graphite mineralization, collect channel samples from different graphite bands, establish the extension of graphite bands and submit DPR with analytical data.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block partly overlaps with GSI's previous graphite assessment block (FS 1988–89), particularly in its southern part. No ongoing exploration projects or existing mining leases are reported within the proposed block. Hence, the block boundary should be modified to exclude the overlapping area, and the findings of report DOD-00178-1995 should be reviewed before considering the proposal for G3-level graphite exploration.
2	MECL	The proposed block has no overlapping with the ongoing or 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 proposed area was covered by DoMG during FS 1995–96 through geological mapping on a 1:25,000 scale. However, upon examination of the group plan, it is observed that the proposed area overlaps with the private land for which NOC has already been issued, covering a total area of Ac. 837.728 in 12 villages under Kalyansinghpur Tahasil, Rayagada District.
5	NMEDT	There is no overlapping with the NMEDT funded project and the proposed block does not fall in ESA/ESZ/Tiger corridor.

Recommendations of TCC-1:

The committee accorded in-principle approval for the proposal and *advised the agency to make field visit, show evidences of graphite mineralization, collect channel samples form different graphite bands, establish the extension of graphite bands and submit DPR with analytical data. The committee also advised the agency to exclude the area of Ac. 837.728 private land for which the state government has issued NoC. The agency may submit the DPR within 3 months.*

Agenda 107.2.12. Preliminary Exploration for REE in North of Velagapadu (Block-A), West Godavari District, Andhra Pradesh.
(Proposal ID: ME/IN/G3/AP/P/26-27/333)
(Area- 4.00 Sq.Km)

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

a. The proposed area falls in Survey of India Toposheet No. 65G/04 and forms part of the REE prospective terrain of the Kota Formation within the Chintalapudi Sub-basin of the Pranhita-Godavari Basin.
b. GSI carried out geological mapping, geochemical studies, stream-sediment sampling, pitting and heavy-mineral studies in the area.
c. The agency informed that the block records high TREE values in heavy-mineral, stream-sediment and bedrock samples, with maximum reported values of 27,733.60 ppm, 2,822.182 ppm and 1,508.765 ppm, respectively.
d. The committee observed that the TREE values from the BRS samples are not encouraging with one sample showing TREE values upto 1508.76 ppm.
e. The Committee reviewed the proposal and observed that it was primarily based on NGCM data and a few isolated bedrock sample analytical results. The Committee further noted that the proposed area is predominantly covered by Gondwana sandstones and that the available geological and geochemical evidence is insufficient to justify G3-stage exploration.
f. Accordingly, the Committee advised the agency to undertake detailed field investigations to establish evidence of REE mineralisation and collect representative channel samples across the proposed area. Based on encouraging analytical results, the agency may submit a revised proposal supported by adequate geological and geochemical evidence for further consideration.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed NPEA area falls within the Velagapadu G4 Block of GSI executed during FS 2020-21. The anomalous TREE values reported during the work pertain to placer concentrates, few stream sediment and BRS samples, with limited lateral and subsurface continuity. The feasibility for further exploration may be examined on technical grounds.
2	MECL	The proposed block has no overlapping with the ongoing or 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	Not Received
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however, some area falls in Recorded Forest Area

Recommendations of TCC-1:

The Committee did not recommend the proposal for G-3 stage exploration, as the proposal is based on NGCM values, and few isolated bed rock sample data. The committee advised the agency to make field visit, show evidences of REE

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mineralization, collect channel samples representing the entire area and if the analytical values are encouraging, submit a fortified proposal.

Agenda 107.2.13. Preliminary Exploration for REE in North of Velagapadu (Block-B), West Godavari District, Andhra Pradesh.
(Proposal ID: ME/IN/G3/AP/P/26-27/335)
(Area: 4.20 Sq.Km.)
[Implementing Agency: M/s S and S Geological Consultants]

a. The proposed exploration area falls within Survey of India Toposheet No. 65G/04.
b. The block is situated within the Chintalapudi Sub-basin of the Pranhita–Godavari Basin and is predominantly underlain by rocks of the Kota Formation of the Upper Gondwana Group.
c. Sandstone exposures are primarily observed in the central part of the broader Velagapadu study area, while the northern and southern portions are locally covered by soil.
d. The geological basement comprises Archaean khondalites and associated granulites, which are unconformably overlain by Gondwana sedimentary sequences.
e. REE-bearing heavy minerals are predominantly associated with cross-bedded sandstone unit and principal REE-bearing and associated heavy minerals include monazite, xenotime and zircon.
f. Secondary enrichment of REE-bearing minerals in stream sediments occurs through weathering, erosion and subsequent concentration of heavy minerals derived from sandstone horizons.
g. GSI carried out geological mapping, geochemical studies, stream-sediment sampling, pitting and heavy-mineral studies in the area.
h. The agency informed that the block records high TREE values in heavy-mineral, stream-sediment and bedrock samples, with maximum reported values of 40,349.17 ppm, 7357.63 ppm and 1498.28 ppm, respectively.
i. The committee observed that the TREE values from the BRS samples are not encouraging with one sample showing TREE values upto 1498.28 ppm.
j. The committee reviewed the proposal and it is observed that the proposal is based on NGCM values, and few isolated bed rock sample data. The area is mainly covered by Gondwana sandstone. Based on the available data, it is not possible to mount a G3 stage exploration work. The committee advised the agency to make field visit, show evidences of REE mineralization, collect channel samples representing the entire area and if the analytical values are encouraging, submit a fortified proposal.

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Sl. No.	Agency	Brief Comments
1	GSI	The proposed NPEA area falls within the Velagapadu G4 Block of GSI executed during FS 2020-21. The anomalous TREE values reported during the work pertain to placer concentrates, few stream sediment and BRS samples, with limited lateral and subsurface continuity. The feasibility for further exploration may be examined on technical grounds.
2	MECL	The proposed block has no overlapping with the ongoing or 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	Not Received
5	NMEDT	The proposed block do not overlap with NMEDT funded projects however, some area falls in Recorded Forest Area

Recommendations of TCC-1:

The Committee did not recommend the proposal for G-3 stage exploration,* as *proposal is based on NGCM values, and few isolated bed rock sample data. Further, the available geological information and database are inadequate to establish the resource potential of the area at G3 stage.

Agenda 107.2.14. Reconnaissance Survey (G4 Stage) for Critical (Ga, Nb, Y, Ta) and associated REE Mineralization in the Gonal-Devapur Area (30 Sq.Km), Yadgir District, Karnataka.
(Proposal ID: ME/IN/G4/KA/P/26-27/328)
[Implementing Agency: M/s Enkay Enviro Services Pvt. Ltd.]

a. The proposed block falls in Survey of India Toposheet No. 56D/11.
b. The Gonal–Devapur Block is predominantly underlain by Closepet-equivalent pink biotite granite and pink porphyritic granite, which are favourable host rocks for rare-metal mineralization.
c. The area have been investigated for copper and associated mineralization during FS 1962–63, FS 1976–77, FS 2020–21 and FS 2023– 24. Previous exploration established significant copper mineralization with values up to 1.43% Cu, 3330 ppm Bi, and adjoining resources of 16.0 million tonnes @ 0.6% Cu and 7.1 million tonnes @ 0.9% Cu.
d. The committee observed that AMD has carried out exploration (G4/G3 stage) for uranium in and around the proposed block in different phases and analysed up to 0.65% U_3O_8 from the area. AMD informed that, in view of the known occurrence of

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Uranium and the scope for future follow-up exploration, the proposed block is not recommended for exploration.

e. 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 NPEA block is having some overlapping of the work carried out by GSI, like RMT work (FS 2018-22), G4 stage investigation for diamond (FS 2011-12), regional work for gold (FS 1991-92). In the proposed area, no exploration/reconnaissance projects are ongoing. The exploration carried out by GSI in and around the proposed NPEA block has primarily focused on gold, base metals, and diamond; hence, the feasibility of exploring for gallium, niobium, and associated critical minerals cannot be assessed from the available data.
2	MECL	The proposed block has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	AMD has carried out exploration (G4/G3 stage) for uranium in and around the proposed block in different phases. Samples analysed up to 0.65% U3O8 from the area. In view of the known potential for uranium in and around the proposed block and plan for future follow up exploration by AMD, the proposed block is not recommended.
4	State DMG/DGM/CGM	Not Received
5	NMEDT	The proposed block do not overlap with NMEDT funded projects, and there is no recorded forest area/ESA/ESZ/Tiger Corridor.

Recommendations of TCC-1:

The Committee did not recommend the proposal in view of the known occurrence of Uranium and the scope for future follow-up exploration by AMD.

Agenda 107.2.15. Reconnaissance Survey (G4 Stage) for Critical (Ga, Nb, Y, Ta) and associated REE Mineralization in the Yarjanti Area (41.2 Sq.Km), Raichur District, Karnataka.
(Proposal ID: ME/IN/G4/KA/P/26-27/327)
[Implementing Agency: M/s Enkay Enviro Services Pvt. Ltd.]

a. The proposed block falls in Survey of India Toposheet No. 56D/11.
b. The committee noted that the proposed block is overlapping with the handed over GM block of GSI.

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c. The Committee reviewed the proposal and noted that AMD has carried out G4/G3-stage exploration in and around the proposed block and samples analysed up to 0.65% U_3O_8 from the area.
d. 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.
e. 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 Yarjanti block overlaps with GSI's previous exploration blocks for REE (FS 2014–15), RMT (FS 2018–22), diamond (FS 2011–12), gold (FS 1991–92), copper (FS 1962–63, 1979–80 and 1991–92), and copper–gold (FS 2020–21), as well as the Yerajanti GM block. No exploration/reconnaissance projects are currently ongoing in the proposed area. However, GSI has submitted a Geological Memorandum for copper and associated mineralisation to the Department of Mines and Geology, Government of Karnataka, for auction.
2	MECL	The proposed block by has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	AMD has carried out exploration (G4/G3 stage) for uranium in and around the proposed block in different phases. Samples analysed up to 0.65% U3O8 from the area. There is no ongoing exploration / reconnaissance project. In view of the known potential for uranium in and around the proposed block and plan for future follow-up exploration by AMD, the proposed block is not recommended.
4	State DMG/DGM/CGM	Not Received
5	NMEDT	The proposed area partially overlaps with auctioned EL block as per NGDR portal. There is no overlapping with the NMEDT funded block and there is no ESA/ESZ/Tiger corridor.

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 in the area, AMD has not accorded consent for undertaking exploration activities within the proposed block. The block is also overlapping with the GM block handed over to DMG, Karnataka.

Agenda 107.2.16. Reconnaissance survey (G4 Stage) for REE and associated minerals in Ananthasagaram & Vattigudipadui Area, Eluru & Krishna district, Andhra Pradesh. (Proposal ID: ME/IN/G4/AP/P/26-27/316)

(Area: 61.6 Sq. km)

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[Implementing Agency: M/s BMRC Geomining Solutions]

a. The proposed block falls in Survey of India Toposheet No. 63D/14 and the block primarily consists of Sandstone belonging to Kamthi/Chintalapudi Formation (Upper Gondwana) and lies adjacent to high-grade metamorphic Precambrian basement such as Garnet-Sillimanite-Gneiss (with graphite and cordierite).
b. The Committee noted that the proposed block overlaps with an ongoing GSI G4 stage exploration of FS 2026-27 for diamond.
c. The NGCM stream sediment data indicates TREE concentrations of 1528.85 ppm and 1477.72 ppm in the western and central sectors of the proposed block.
d. The Committee reviewed the proposal, and it is observed that the entire area covered by Gondwana Sandstone which is not favourable for REE mineralization/exploration.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed NPEA block falls entirely within a G4-stage exploration block of GSI, being executed during current FS 2026-27. The field work and sampling have already started in the project. Taking up the proposed work, will result in duplication of exploration activities. Hence, the item may not be considered feasible for undertaking at the G4 stage.
2	MECL	The proposed Ananthasagaram & Vattigudipadui Block of M/s BMRC Geomining Solutions Pvt Ltd completely overlaps with the future proposed block of MECL, for which consent has already been sought from the Department of Mines & Geology (DMG), Government of Andhra Pradesh. Hence, it is requested that the proposed block may not be considered for exploration at this stage. MECL
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Not Received
5	NMEDT	The proposed area does not overlap with NMEDT funded blocks as per NGDR Portal, however, a small portion of the proposed area contains recorded forest area.

Recommendations of TCC-1:

The Committee did not consider the proposal as entire area covered by Gondwana Sandstone which is not favourable for REE mineralization/exploration.

Agenda 107.2.17. Reconnaissance survey for bauxite and associated minerals in Barara-Bichi-Mohanpur, Tehsil- Sahabad, District- Baran, Rajasthan (Proposal ID: ME/IN/G4/RJ/P/26-27/332) (Area- 155 Sq.km).

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

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a. The proposed block falls in Survey of India Toposheet No. 54G/04.
b. The proposed block exposes rocks of the Vindhyan Supergroup (Bhander Group), comprising shale interbedded with limestone and siltstone of the Ganurgarh Formation, limestone of the Lakheri Formation, lower shale of the Samria Formation, and sandstone with shale bands of the Bundi Hill Formation. These formations are overlain by Deccan Trap rocks, with associated bauxite and laterite cappings.
c. GSI carried out Reconnaissance mapping, Systematic Geological Mapping and Geochemical mapping in and around the proposed block.
d. Regional mineral survey conducted by DMG, Rajasthan (Sukhwal & Ali, 2002), covering 100 sq. km in Shahbad Tehsil, Baran District, reported alumina (Al_2O_3) content ranging from 41.5% to 56.67% in bauxite samples.
e. The committee noted that agency has not collected any BRS sample.
f. The committee noted that the values of Al_2O_3 in the NGCM stream sediment samples were not encouraging.
g. The Committee reviewed the proposal and it is observed that the proposed area partly overlap with the GSI's CMAP of FS. 2027-28. The Committee advised the agency to undertake a field visit and collect channel samples from the gap areas. Subject to encouraging analytical results, the agency may submit the DPR excluding the overlapping of GSI block for further consideration.

Sl. No.	Agency	Brief Comments
1	GSI	Past reconnaissance work included systematic geological mapping by GSI (Sahu & Reddy, June 1988). The proposed NPEA block overlaps (26.205 sq km) with the CMAP projects approved by GSI for FS 2027-28. Based on the previous geological findings, the block may be prospective for bauxite and associated minerals, provided overlapping areas are avoided.
2	MECL	The proposed block **has** no overlapping with the ongoing or 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	Not Received
5	NMEDT	The proposed block do not overlap with NMEDT funded projects and majority of the area falls in Recorded Forest Area (over 80%).

Recommendations of TCC-1:

The Committee did not recommend the proposal in the present form and advised the agency to undertake a field visit and collect channel samples from the gap areas and if the analytical values are encouraging, submit a fortified proposal.

Agenda 107.2.18. Preliminary exploration (G3) for limestone in Dhank block, Rajkot District, Gujarat.

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(Proposal ID: ME/IN/G3/GJ/P/26-27/350)
(Area - 10.96 Km.).
[Implementing Agency: M/s Shijay Projects India Private Limited]

a. The proposed block falls in Survey of India Toposheet No. 41K/01 and forms part of the coastal belt of Saurashtra in Gujarat, where the geological succession ranges from volcanic rocks of the Deccan Traps to younger sedimentary deposits of Tertiary and Quaternary age.
b. The main rock types exposed in the area include Basalt belonging to Deccan Traps, Granophyre, and limestone of the Miliolite Formation.
c. CGM, Gujarat, conducted a pre-detailed investigation for construction materials in the area and collected samples exhibiting high CaO content, ranging from 44.08% to 54.21%, indicating the potential presence of good-quality limestone. The relatively low MgO content (0.01%–0.86%) suggests a predominantly calcitic composition rather than dolomitic limestone, which is favourable for cement-grade material.
d. The Committee reviewed the proposal and it is observed that two major water bodies are located within the proposed block, while settlements (Dhank village) are situated in the central part of the block. Hence, this proposal is not considered.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block is centrally located around Dhank village. No previous reconnaissance or exploration work for limestone has been carried out in the proposed area. There are no ongoing reconnaissance or exploration projects pertaining to limestone or any other mineral in the proposed area. As no past baseline exploration data are available, it is difficult to assess the feasibility of undertaking limestone exploration in the proposed area.
2	MECL	The proposed block has no overlapping with the ongoing or completed blocks of MECL.
3	AMD	Not Received
4	State DMG/DGM/CGM	Not Received
5	NMEDT	Proposed block does not show overlapping with NMEDT Funded blocks. One NMEDT funded block is present near proposed area. Few mining leases are present within the block.

Recommendations of TCC-1:

The Committee did not accord in-principle approval to the proposal, as a substantial portion of the proposed block of comprises water bodies and settlement areas which is not feasible for taking up G3 stage exploration work.

Agenda 107.2.19. Reconnaissance Survey (G4 Stage) for (Fe, Ti, V, Ga and Al) and Associated Minerals in Gurmatkal block in Kalaburagi, Yadgir District, Karanataka.
(Proposal ID: ME/ IN/G4/KA/P/26-27/317)
[Implementing Agency: M/s Critical Mineral Trackers]

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a. The proposed block falls in Survey of India Toposheet No. 56H/05 and is underlain by rocks ranging in age from Archaean to Cenozoic. The oldest rocks are represented by the Peninsular Gneissic Complex-II (PGC-II), comprising pink granite, and migmatitic gneiss. These rocks are intruded by gabbros, and syenites.
b. The Banded Iron Formation (BIF), metabasalts, and amphibolite of the Chintapalli Group, belonging to the Dharwar Supergroup, also occur within the block. The youngest formations are represented by the Deccan Trap basaltic flows, belonging to the Sahyadri Group, with an age ranging from Late Cretaceous to Paleogene.
c. These basaltic flows are associated with intertrappean beds and are locally overlain by laterite cappings of Cenozoic age. Thus, the block exhibits a geological succession ranging from Archaean basement rocks to Cenozoic formations, comprising crystalline basement rocks, mafic and felsic intrusive bodies, Deccan Trap basaltic flows, intertrappean beds, and lateritic cappings.
d. The NGCM stream sediment data from the block indicate significant values of Fe_2O_3 (6.0–14.6%), TiO_2 (1.3–4.4%), Ga (10–47.4 ppm), V (116–348 ppm), and Al_2O_3 (12.0–16.304%).
e. The agency collected 09 BRS samples from the proposed block, which reported Fe_2O_3 concentrations ranging from 47.32% to 60.83%, TiO_2 from 1.69% to 3.20%, Ga from 59.90 to 60.50 ppm, Al_2O_3 from 11.73% to 16.22% and V from 1000 to 1300 ppm.
f. The Committee observed that the agency had collected samples from basalt rather than laterite. It was further noted that majority of the proposed area is covered by basalt with only a few small, isolated patches of laterite.
g. The Committee advised the agency to undertake a field visit, carry out closely spaced sampling, determine the thickness of the laterite horizons and focus on assessing their mineralisation potential. Based on encouraging findings, the agency may resubmit the proposal for in-principle approval.
h. In view of the above the committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	GSI has carried out mineral exploration in and around the proposed block during FS 1965-67, FS 1996-97 and FS 2021-22 for limestone, Molybdenum and Kimberlite pipes respectively. No exploration or reconnaissance projects are currently ongoing in the proposed area. Based on previous work, the NPEA proposed block may be considered feasible for further exploration.
2	MECL	The proposed block 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.
4	State DMG/DGM/CGM	As per available records, no past or ongoing exploration for Fe, Ti, V, Ga, Al, and associated commodities has been undertaken or proposed by GSI/DMG in the proposed area. No composite license, mining lease, or

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		quarry lease for major or minor minerals has been granted within the proposed block.
5	NMEDT	No NMEDT-funded blocks overlap with the proposed block in NGDR. The block does not lie in ESA/ESZ/Tiger Corridor.

Recommendations of TCC-1:

The Committee did not consider the proposal as majority of the proposed area is covered by basalt with only a few small, isolated patches of laterite which is not feasible to take up a G4 stage investigation

Agenda 107.2.20. Reconnaissance Survey (G4 Stage) for REE and associated minerals in Narikampadu block in undivided Krishna District, Andhra Pradesh
(Proposal ID: ME/IN/G4/AP/P/26-27/338)
[Implementing Agency: M/s Critical Mineral Trackers]

a. The agency did not present the proposal as the proposed block was overlapping 50% with the ongoing G4 stage exploration block of GSI for Diamond.
b. The committee observed that the proposal is based on NGCM values, and the area is mainly covered by Gondwana sandstone which is not favourable for REE mineralization/exploration.

Sl. No.	Agency	Brief Comments
1	GSI	About 50% area of the proposed NPEA block overlaps with a G4-stage exploration block of GSI, which is under execution during current FS (2026-27). The field work and sampling have already started in the project. Hence, the overlapping area be excluded to avoid duplication of work.
2	MECL	The proposed Narikampadu Block of M/s Critical Mineral Trackers completely overlaps with the future proposed block of MECL, for which consent has already been sought from the Department of Mines & Geology (DMG), Government of Andhra Pradesh. Hence, the proposed block may not be considered for exploration at this stage.
3	AMD	The proposed block has no overlapping with the AMD's ongoing or completed projects.
4	State DMG/DGM/CGM	Not Received
5	NMEDT	No NMEDT-funded blocks overlap with the proposed block in NGDR. The block does not lie in ESA/ESZ/Tiger Corridor.

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Recommendations of TCC-1:

The Committee did not consider the proposal as the area is mainly covered by Gondwana sandstone which is not favourable for REE mineralization/exploration.

Agenda 107.2.21. Preliminary Survey (G3) for Copper and Associated Mineral In Pacheri Block, Tehsil Khetri, Jhunjhunu District of Rajasthan (Proposal ID: ME/IN/G3/RJ/P/26-27/271)
[Implementing Agency: M/s Southwest Pinnacle]

a. The proposed block falls in Survey of India Toposheet No. 44P/16 and forms the north-eastern extension of the North Khetri Copper Belt. Detailed exploration by GSI (1976–81), following earlier geological and geophysical investigations, included 1:2000 scale geological mapping, 18,471.25 m of drilling in 51 boreholes, and analysis of 4,664 core samples for Cu, Ni, and Co.
b. The investigation established the northeastward continuation of the Khetri Copper Belt beneath alluvial cover from Singhana to Muradpur and Pacheri over a strike length of about 12 km, and delineated copper resources of 3.06 Mt @ 0.83% Cu in the Singhana Central Sub-block and 1.11 Mt @ 0.71% Cu in the Muradpur Central Sub-block.
c. In the Pacheri Block, three boreholes were drilled, of which only DHP-1 intersected a 1.35 m true width copper mineralized zone grading 0.75% Cu, while the remaining two boreholes encountered only patchy low-grade mineralization (0.1–0.2% Cu). Subsequent exploration by MECL in adjoining blocks established continuity of mineralization up to 500 m depth.
d. The agency apprised the committee that, as per the recommendation of GSI & MECL, the Pacheri block, located along the northeastern extension of the Muradpur Copper Block within the tightly folded Singhana–Muradpur–Pacheri segment of the North Khetri Copper Belt, is considered prospective for copper mineralisation. The occurrence of iron ore pockets, which may serve as structural indicators of subsurface copper mineralisation, further supports its exploration potential.
e. GSI has recommended deeper geophysical investigations using time-domain IP, EM and magnetic surveys at depths of 50–100 m. Additionally, deep drilling by MECL in the adjoining Muradpur Central Block indicated that mineralisation remains open at depth, supporting further exploration.
f. The proposal earlier was discussed during 101 TCC-I meeting where in the committee observed that extensive exploration has already been carried out by GSI and MECL in and around the proposed block. Accordingly, the Committee advised the agency to submit a revised proposal for in-principle approval, supported by adequate evidence of mineralization within the proposed exploration area.
g. The committee reviewed the proposal, and it is observed that the entire area is soil covered, the agency has been advised to include couple of profiles for deeper Geophysical (EM, IP & SP) surveys across the deformation zones to generate deeper level data followed by few deeper test boreholes. The exploration work will be carried out in two phases with few deeper Geophysical (EM, IP & SP) survey profiles and if the results are encouraging few test boreholes can be taken up in phase-2.

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The committee accorded in-principle approval and advised the agency to submit DPR in the upcoming TCC-1 meeting. The committee advised the agency to show the Geophysical and other data along the section in the adjacent block carried out by GSI for discussion. NMEDT will communicate with DGM, Rajasthan to provide the FSI Aravalli status of the block.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed block submitted by NPEA is based on drilling investigations carried out by GSI during the field seasons 1975-81 and 2005-06. However, the results of these investigations indicate that the copper mineralization exhibits a pinch-and-swell nature, with poor continuity in both width and grade, even after close-spaced drilling (<200 m) undertaken during the later phase of exploration. Therefore, the area may be considered for further exploration only if supported by additional geological, geochemical and/or geophysical evidence demonstrating favorable mineralization potential. The proposed Pacheri NPEA block overlap (0.12 sq km) with the G3 exploration project approved by GSI in FS 2005 06.
2	MECL	The proposed block has no overlapping with the ongoing or 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	Not Received
5	NMEDT	There is no overlapping with the NMEDT Funded projects as per NGDR Portal. The block does not lie in ESA/ESZ/Tiger Corridor.

Recommendations of TCC-1:

The committee accorded in-principle approval to the proposal and advised the agency to bring DPR adhere to the suggestions of the committee. The DPR may be submitted within 2 months.

Agenda 107.2.22. Preliminary Exploration (G-3) for Copper and associated mineralization in Dogarbabri-Ki-Dhani block Jhunjhunu District, Rajasthan
(Proposal ID: ME/IN/G3/RJ/P/26-27/288)
[Implementing Agency: M/s Southwest Pinnacle]

a. The proposed block falls in Survey of India Toposheet No. 45M/13 and forms part of a 26 km zone of sulphide mineralisation extending from Fatehpura to Shepuragarh with the objective to delineate new prospects for copper mineralisation in the extensional areas of 80 km long famous Khetri Copper Belt.

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b. The committee was informed that GSI has carried out G4/G3 stage exploration in the proposed area. Total Scout drilling of 440.55mt comprising 03 boreholes was carried out. Borehole RJKM-01 have intersected mineralized zone of 1.0m thickness (Cu%: 0.23%), borehole RJKM-02 has intersected two mineralized zones : MZ-I: 106.35-113.90=6.05m (Cu%: 0.57 %) and MZ-II: 148.00-150.80=1.70 m (Cu%: 0.40 %). However, borehole RJKM-03 has intersected 5 mineralized zones with encouraging thickness and grade of Cu mineralization.
c. The committee reviewed the proposal and it is observed that the proposed block overlaps with the Dogarbabri GM block handed over to GSI for auction and also several G3 blocks of GSI overlap with the proposed area.
d. In view of the multiple overlaps, the committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	Past exploration includes copper and associated mineralization surveys in Karmari Block (G4), FS 2019–20, and east of Pratappura Block (G3), FS 2022–23, Jhunjhunu District, Rajasthan. The proposed Dogarbabri-ki-Dhani NPEA block fully overlaps with GSI's G3 exploration projects (FS 2015–16, FS 2022–23 and GS 2027–28) and the GSI-submitted Dogarbabri GM block. Hence, the proposed G3 block requires reconsideration to avoid overlap with exploration at the same stage.
2	MECL	The proposed block 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.
4	State DMG/DGM/CGM	Not Received
5	NMEDT	There is no overlapping with the NMEDT Funded projects. Presence of auctionable GM/GR block in NGDR portal. Several minor mineral lease blocks are present within the proposed block. Partial overlap with GSI G3 block of FS 2022-23 and GSI G4 block of 2023-24 as per NGDR portal. No ESA/ESZ/Tiger corridor is present within the proposed block.

Recommendations of TCC-1:

The Committee did not consider the proposal, as the proposed block overlaps with the GM block and the G3-stage explored blocks of GSI.

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Agenda 107.2.23. Preliminary Exploration (G-3 Level) for Graphite in Hatkhera Block, Banswara District, Rajasthan.
(Proposal ID: ME/IN/G3/RJ/P/26-27/336)
[Implementing Agency: M/s Southwest Pinnacle]

a. The proposed block falls in Survey of India Toposheet No. 46I/6. The proposed area comprises metamorphosed and complexly folded clastic sediments and minor basic rocks of the Debari and the Udaipur Groups of Aravalli Supergroup.
b. The committee was informed that GSI has carried out G4 stage exploration (FS: 2023-24)in the proposed area for Graphite and associated RM mineralization, five potential blocks for graphite mineralisation have been identified. These blocks area (i) Barbadiya- Sompur block, (ii) Borkhera block, (iii)Runjhri block, (iv) Hatkhera block (v) Navatalav block.
c. The committee noted that the proposed block completely overlaps with the Hathkhera GM block handed over by GSI for auction.
d. In view of the above, the committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	The proposed NPEA block completely overlaps with Hathkhera GM block. Based on previous G4 investigations in the Bhoongra-Bargun area, Banswara district, Rajasthan, the proposed block is feasible for graphite and associated mineralization project. However, the proposed NPEA block requires reconsideration to avoid overlapping with the GM block.
2	MECL	The proposed block has no overlapping with the ongoing or 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	Not received.
5	NMEDT	The block has no overlap with any existing mining lease. No forest was observed in Parivesh portal. The area falls in G4 block of GSI's FS 2023-24. The area falls within GSI's RMT block of FS 2025-26.

Recommendations of TCC-1:

The Committee did not consider the proposal, as the proposed block completely overlaps with the Hathkhera GM block.

Agenda 107.2.24. Preliminary Exploration (G-3 Level) for Copper and Associated Mineral in South of Bera Ka Sotha Block, Tehsil Lasadiya, Udaipur District, Rajasthan
(Proposal ID: ME/IN/G3/RJ/P/26-27/337)
[Implementing Agency: M/s Southwest Pinnacle]

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a. The proposed block falls in Survey of India Toposheet No. 46I/06. The proposed area comprises metamorphosed rocks of Mangalwar Group of Bhilwara Super Group.
b. Reconnaissance survey (G4 Stage) for basemetal mineralization in Lasaria-Relwara-Kalibhint areas of Chittorgarh and Udaipur districts, Rajasthan was carried out (FS:2022-23).
c. Specialized thematic mapping (1:25,000 scale) in parts of Toposheet no. 45L/3 has been carried out. The grab samples from amphibolites shows malachite stains and sulphide mineralisation in the form of pyrite and pyrrhotite. Samples collected from Gingla granite have analysed a maximum of 0.54% Cu. The bedrock samples collected from the amphibolites and Gingla granite showed anomalous Cu, Ni and Cr values.
d. The Committee noted that a major portion of the proposed block has already been explored by GSI at the G3 stage.
e. In view of above, the committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	Past work includes FS 2022–23 (G-4 reconnaissance survey in Lasaria-Relwara-Kalibhint Areas, Chittorgarh and Udaipur districts) and FS 2024–25 (G-3 preliminary exploration in Gundla Ki Bhagal Block and Bera Ka Sotha Block, Udaipur district). The proposed G-3 NPEA block overlaps 1.72 sq. km with the GSI G-3 blocks explored in FS 2024–25. The earlier G-4 survey indicates promising potential for copper and associated mineralization and avoids the overlapping area.
2	MECL	The proposed block has no overlapping with the ongoing or 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	Not received.
5	NMEDT	There is no overlapping with the NMEDT Funded projects, however, the NE portion of the proposed area contains recorded forest area.

Recommendations of TCC-1:

The Committee did not consider the proposal, as a major portion of the proposed block has already been explored by GSI at the G3 stage.

Agenda 107.2.25. General Exploration (G-2 Level) for Lead, Zinc and Associated Mineralisation Ag & Cd in Lanpiya- Mahuakhurd Block, Bhilwara District, Rajasthan
(Proposal ID: ME/IN/G2/RJ/P/26-27/311)
[Implementing Agency: M/s Southwest Pinnacle]

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a. The proposed block falls in Survey of India Toposheet No. 45K/11. The proposed area comprises metamorphosed rocks of Pur-Banera Group of Bhilwara SuperGroup
b. Reconnaissance Survey (G-4 Stage) has been carried out uring the FS 2018-19 by Raut and Bandyopadhyay. Old working, slag heaps, mine dumps with malachite stains and recent mine shafts have been observed in Ranikpura, Devpura, and PolaJi Ki Dungar area. The trench samples from the Lanpiya Mahuakhurd show anomalous values of Pb+Zn (Combined), up to 6.9%(Pb+Zn) and 0.16% Cu.
c. Preliminary Exploration (G-3 Stage) was carried during the FS:2021-23 and a resource of 2.85 million with an average grade of 3.18 % Pb+Zn have been estimated.
d. The Committee noted that a major portion of the proposed block has already been explored by GSI at the G2 stage and overlap with several G2 blocks. The committee advised the agency to check the geological potential of unexplored part in the SW part and if the area is promising, bring proposal with sufficient database with justification for in-principle approval excluding the encumbrances.
e. In view of multiple overlaps with G2 blocks and mining leases, the committee did not consider the proposal.

Sl. No.	Agency	Brief Comments
1	GSI	The Northern part of the proposed G2 stage NPEA block is fully overlapped with G2 block carried out by GSI in FS 2018-19 and in FS 2024-25 and southern part lie in leasehold area as per data available in NGDR portal. The proposed G2 stage NPEA block needs reconsideration to avoid the overlapping in the same stage of exploration.
2	MECL	The proposed block overlaps with the MECL-explored Banera Copper Prospect. MECL proposes further exploration of the prospect in FY 2026–27, with the proposal to be placed before the upcoming TCC meeting.
3	AMD	AMD conducted G4-stage uranium reconnaissance in and around the proposed block but delineated no significant radioactive zones. No exploration projects are ongoing and AMD has no baseline or exploration data for the commodity.
4	State DMG/DGM/CGM	Most of the proposal area conflicts with GSI blocks and held mining leases. Hence, consent cannot be given.
5	NMEDT	There is no overlapping with the NMEDT Funded projects. However, 50% of the proposed block overlaps with Mining Lease (ML) block held by Jindal Saw Ltd. and several other minor mineral lease blocks.

Recommendations of TCC-1:

The Committee did not recommend the proposal, as a major portion of the proposed block has already been explored by GSI at the G2 stage. Further, as per the comments of

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DMG, Rajasthan several mining leases exist within the proposed block and hence consent cannot be given.

Agenda 107.2.26. Reconnaissance Survey for Graphite & REE in Birida-Baripal-Jhakuda-Manisakana Area, Rayagada District, Odisha (Proposal ID: ME/IN/G4/OD/P/26-27/276)

[Implementing Agency: M/s HK and Associates]

a. The proposed block falls in Survey of India Toposheet No. 65M/07. The proposed block contains a comparable favourable lithological assemblage of quartz–garnet–sillimanite–graphite khondalite/gneiss, acid to intermediate charnockite and granite gneiss/migmatitic rocks, with associated pegmatitic and lithological contact zones.
b. DGM-Odisha has carried out investigation for graphite and several graphite occurrences with encouraging FC values of 7.74–13.04% at Birida, 8.29–8.72% at Jhakuda, ~9.17% south of Loilibada, 8.90% SE of Baripal and 4.75–11.31% at Manisakana were delineated.
c. K. N. Adhikari and B. B. Sarangi (FS 1988–89) identified graphite schist within khondalite and graphite enrichment in migmatised khondalite, particularly near granitic-gneiss contacts. Birida was identified as an important occurrence in terms of grade and extension, with subsequent sampling reporting 7.74–12.67% FC at Birida, 10.54% FC NW of Birida and 13.04% FC SW of Birida.
d. GSI informed that khondalite is the most REE-enriched lithology [2–17× PAAS {Post-Archean Australian Shale}], followed by granite gneiss (2.2–10.2× PAAS) and charnockite (2.2–4.65× PAAS), together with the high TREE values of 2946 and 1775 ppm, the anomalous population averaging 1513 ppm and associated U–Th enrichment, demonstrates a favourable regional REE geochemical signature.
e. The GSI Geochemical Mapping Programme (FS 2016–17) identified significant REE anomalies around Punjiguma in Toposheet No. 65M/04, predominantly associated with granite gneiss and khondalite near their lithological contact. Of the 182 composite samples analysed, eight recorded TREE values exceeding 1000 ppm, with a maximum of 2946 ppm and an average of 1513 ppm. Five samples reported U concentrations exceeding 10 ppm (maximum 30.44 ppm), while Th values ranged from 65 to 147 ppm, indicating a notable REE–U–Th geochemical association. GSI recommended further investigation to establish the source and geological controls of the REE anomalies.
f. The committee reviewed the proposal, and it is observed that the existing data of FC values are few and advised the agency to make visit field, collect channel samples representing the entire area and submit a justified proposal for DPR along with the analytical results.

Sl. No.	Agency	Brief Comments
1	**GSI**	GSI has carried out preliminary assessment of graphite during FS 1988–89 on 1:25,000 scale covering parts of Koraput, Phulbani and Kalahandi Districts, Orissa. The proposed block does not overlap with GSI block, has no ongoing GSI exploration projects, and is free from

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		existing composite licences or mining leases. Hence, the block may be considered for graphite and REE exploration at the G4 level.
2	**MECL**	The proposed block has no overlapping with the ongoing or 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 proposed area was geologically mapped by GSI during FS 1998-99 at 1:25,000 scale and comprises porphyritic granite gneiss, khondalite, quartzite, leptynite, kaolin and calc granulite. Graphite (FC: 4.75-12.67%) and manganese (MnO_2: 28.04%) occurrences have been reported. A road and railway line/station pass through the area. The block does not overlap with any other mineral block.
5	**NMEDT**	There is no overlapping with the NMEDT Funded projects, however, the proposed area contains some recorded forest area. A graphite ML is present in the buffer zone of the proposed block, along its western part

Recommendations of TCC-1:

The committee accorded in-principle approval to the proposal and advised the agency make visit field, collect channel samples representing the entire area and submit a justified proposal for DPR along with the analytical results. The DPR may be submitted within 3 months.

107.3: Cost Evaluation of New Project Proposals

The cost evaluation of the proposals was carried out, and the corresponding cost sheets are enclosed along with the recommended project descriptions.

107.4: Review of Ongoing Procurement Project

Agenda 107.4.1. Procurement of Sample Processing Units for Establishment of Rock Laboratory in the State Units and Regional offices of Geological Survey of India by GSI

[Implementing Agency: GSI]

a. GSI informed that the project was sanctioned on 20.01.2026 timeline of 18 months (up to 19.07.2027) and approved cost was INR 14,25,43,480/- (inclusive of taxes).
b. The committee was informed that GSI has sought financial sanction of INR 4,89,91,801/- for the procurement of five equipment items, viz., Riffle Splitter, Planetary Ball Mill, Hydraulic Core Splitter (Automated), Sieve Shaker and Hydraulic Core Splitter (Manual), out of the 12 instruments approved under the project and finalized the L1 bidders.
c. However, the quoted prices of these five equipment items differ from the costs approved under the original sanction. The unit cost of the Riffle Splitter has increased

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from ₹50,000/- to ₹65,000/-. In contrast, the quoted prices of the Planetary Ball Mill, Hydraulic Core Splitter (Automated), Sieve Shaker and Hydraulic Core Splitter (Manual) have decreased, as detailed in the table below:

Procurement of Sample Processing Units for Establishment of Rock Laboratory							
S. No.	Name of Item	Cost per Unit (₹)	Number of Units	Approved Total Cost with 18% GST (₹)	Revised Cost per Unit (₹)	Change in Cost (₹)	Cost/Revised Cost with 18% GST (₹)
1	Jaw Crusher	₹15,00,000.00	24	₹3,60,00,000	…..	…..	₹3,60,00,000
2	Disc Mill	₹3,78,780.00	18	₹68,18,040	…..	…..	₹68,18,040
3	Vibratory Cup Mill	₹9,45,180.00	14	₹1,32,32,520	…..	…..	₹1,32,32,520
4	Planetary Ball Mill	₹14,09,620.00	32	₹4,51,07,840	₹11,96,500	- ₹68,19,840	₹3,82,88,000
5	Sieve Shaker	₹2,70,220.00	29	₹78,36,380	₹93,869	-₹51,14,179	₹27,22,201
6	Electric Oven	₹2,40,000.00	21	₹50,40,000	…..	…..	₹50,40,000
7	Polygonal Blenders	₹1,50,000.00	26	₹39,00,000	…..	…..	₹39,00,000
8	Riffle splitter	₹50,000.00	26	₹13,00,000	₹65,000	₹3,90,000	₹16,90,000
9	Rock Saw	₹2,67,860.00	30	₹80,35,800	…..	…..	₹80,35,800
10	Rock Cutter	₹1,40,420.00	15	₹21,06,300	…..	…..	₹21,06,300
11	Hydraulic Core Splitter (manual)	₹3,18,600.00	31	₹98,76,600	₹1,05,000	-₹66,21,600	₹32,55,000
12	Hydraulic Core Splitter (Automated)	₹4,70,000.00	7	₹32,90,000	₹4,33,800	-₹2,53,400	₹30,36,600
Total Cost				**₹14,25,43,480**	**Revised total of Project:**		**₹12,41,24,461**

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g. In view of the requirement that the project cost be revised before issuance of financial sanction, Chairman, TCC-I, has examined the proposal for cost modification and recommended revision of the project cost from ₹14,25,43,480/- to ₹12,41,24,461/-

h. In view of the revised quoted prices, the total project cost has decreased from INR 14,25,43,480/- to INR 12,41,24,461/-, resulting in a reduction of INR 1,84,19,019/-.

i. The committee ratified the recommendation of revision of the cost from ₹14,25,43,480/- to ₹12,41,24,461/- for consideration and approval of the PSC, NMEDT.

Recommendations of TCC-1:

The committee ratified the recommendation of cost revision from INR 14,25,43,480/- to INR 12,41,24,461/- for approval of PSC, NMEDT.

107.5: Review of Ongoing Exploration Project

Agenda 107.5.1. Preliminary Exploration (G-3) for REE Mineralization in Maravapaliyam Block, Tiruppur District, Tamil Nadu.

[Implementing Agency: MECL]

j. MECL informed that the project was approved in the 37th EC Meeting held on 23rd September 2024. The Sanction Order was issued on 22nd October 2024 with timeline of 12 months (up to 21.10.2025) and approved cost was INR 1,25,17,179/-.

k. In the 37th meeting of TCC-II, the agency informed the committee that they have completed geological mapping, trenching and the planned 150 m core drilling. However, only 23.60 m through 24 auger boreholes could be completed against the planned 350 m/50 boreholes due to local issues. A total of 75 trench samples, 24 auger samples and 26 core samples have been analysed, while external check samples were still under analysis. The exploration results indicate significant ΣTREE enrichment in both trench and auger samples. In the 75 trench samples, ΣTREE ranges from 102.35 to 2,088.36 ppm, with an overall average of 824.49 ppm, while W ranges from 3.29 to 568.50 ppm, averaging 90.61 ppm. The highest average ΣTREE among the trenches is 1,117.82 ppm in TR-2, followed by 914.41 ppm in TR-3. Based on geological mapping, trenching and auger results, two core boreholes were drilled. Borehole MMR-01 intersected two lodes: L-2, from 28.80 29.80 m with 1.00 m thickness, grading 1,146.77 ppm ΣTREE and 206.69 ppm W, and L-1, from 75.65–78.45 m with 2.80 m thickness, grading 1,454.88 ppm ΣTREE and 229.54 ppm W. At a 1,000 ppm ΣTREE cut-off, the reported total resource is 85,350.88 tonnes, with an average grade of 1,405.29 ppm ΣTREE and 225.86 ppm W.

l. The committee was informed that as per the recommendation of TCC-2, the report has been peer reviewed. Further, the agency requested for sending the samples to IISC Bangalore for SEM analysis and timeline extension thereof. However, the

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committee opined that SEM is not required as the strike continuity of the mineralized zone is less.

m. The committee advised the agency to submit the Geological Report to NMEDT Secretariat within the approved timeline i.e., 31.10.2026.

Recommendations of TCC-1:

The Committee instructed the agency to submit the Geological Report (GR) after incorporating the peer reviewers' comments and their compliance within the approved timeline of 31.10.2026.

Agenda 107.5.2. Preliminary Exploration (G-3) for Gold and Associated Ore in Bhagvati Block, Bagalkot District, Karnataka.
[Implementing Agency: M/s Kartikay Exploration and Mining Services Pvt. Ltd]

a. The agency informed the committee that the project was approved in the 3rd PSC meeting held on 15.12.2025 and the sanction order was issues on 9th January, 2026 with approved timeline of 12 months and approved cost was INR 2,63,42,904/-
b. The agency informed the Committee that, under Phase-I exploration activities, 60 cu. m of trenching had been completed, along with the collection of 111 BRS/trench samples. The Induced Polarisation (IP), Self-Potential (SP) and Magnetic surveys had also been completed.
c. The Committee reviewed the analytical results of the BRS and trench samples and observed that the gold values were not particularly encouraging, with a maximum reported concentration of 1.42 ppm in Trench T2.
d. The agency proposed drilling a test borehole during Phase-I based on geological and geophysical inputs. However, the Committee did not agree to the proposal, as the reported mineralisation was supported only by an isolated spot value, which was considered insufficient to justify drilling at this stage.
e. The Committee advised the agency to complete the detailed geological mapping and geophysical surveys proposed under Phase-II and subsequently present the project for review, along with the proposed borehole plan for Phase-II drilling.

Recommendations of TCC-1:

The Committee advised the agency to complete the detailed geological mapping and geophysical surveys envisaged under Phase-II and thereafter present the project for further review, along with the proposed drilling plan for Phase-II.

Agenda 107.5.3. Preliminary Exploration (G-3) for Iron Ore in Sitapur Block, District- Uttar Bastar Kanker, Chhattisgarh
[Implementing Agency: M/s Kartikay Exploration and Mining Services Pvt. Ltd]

a. The agency informed the committee that the project was approved in the 3rd PSC meeting held on 15.12.2025 and the sanction order was issues on 9th January, 2026 with approved timeline of 12 months and approved cost was INR 1,57,70,426/-

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b. The area occupies a portion of the Archean Bastar craton and comprises the Meta sediments of Bengpal Group. The Bailadila Group of rocks occur as enclaves within the granite-gneiss of Bengpal Group of Archaean age. They are characterized by banded quartzite, BIF mainly BMQ with iron ore bands, Gabbro dykes, quartz are the basic and acid intrusives.
c. The agency informed that geological mapping, petrographic studies (4 nos.) and boundary fixation by DGPS survey have been completed. However, forest clearance for undertaking trenching activities is still awaited. Forest permission for trenching was applied in physical mode on 23.09.2026.
d. The agency further informed the committee, exploration work was suspended due to NABET re-accreditaion and NPEA notification for the period from 10-07-2026 to 17-09-2026 and the work was initially delayed due to the pending permission from the Forest Department to access the area.
e. The Committee noted that the agency had not provided any analytical data from surface samples collected within the proposed exploration block.
f. The Committee reviewed the project and advised the agency to collect channel samples from areas near the proposed borehole locations and undertake their analysis. The Committee further advised the agency to present the project for review upon receipt of the analytical results of the trench and channel samples, along with the proposed borehole plan.

Recommendations of TCC-1:

The Committee advised the agency to collect channel samples from areas near the tentative borehole locations and undertake their analysis. The Committee further advised the agency to present the project for review upon receipt of the analytical results of the trench and channel samples, along with the proposed borehole plan. The agency was also directed to keep NMEDT apprised of the status of forest clearance.

Agenda 107.5.4. Preliminary Exploration (G-3) for Iron in Parvi Block, Kanker District, Chhattisgarh
[Implementing Agency: M/s Kartikay Exploration and Mining Services Pvt. Ltd]

a. The agency informed the committee that the project was approved in the 3rd PSC meeting held on 15.12.2025 and the sanction order was issues on 9th January, 2026 with approved timeline of 12 months and approved cost was INR 2,04,91,218/-
b. The agency informed that geological mapping, topographical survey and boundary fixation by DGPS survey have been completed. 40 BRS samples have been collected.
c. However, forest clearance for undertaking trenching activities is still awaited. Forest permission for trenching was applied in physical mode on 24.09.2026.
d. The exploration work was suspended due to NABET re-accredation and NPEA notification for the period from 10-07-2026 to 17-09-2026.
e. The rocks in the area belongs to Bailadila Group which occur as enclaves within the granite-gneiss of Bengpal Group of Archaean age. They are characterized by amphibolites, metapelites including micaceous quartzite, mica schist & quartz mica

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schist, banded quartzite, BIF mainly BMQ with iron ore bands, metabasics. Dolerite dykes, quartz & aplite are the basic and acid intrusives.

f. The agency informed that commencement of prospecting activities was initially delayed due to pending permission from the Forest Department for accessing the area and undertaking the proposed exploration work. Subsequently, the exploration activities were further delayed due to resistance from local villagers, who did not allow the exploration team to carry out fieldwork in the area.
g. The agency presented the analytical results of the BRS samples, which indicated total iron [Fe(T)] content ranging from 7.34% to 69.03%, along with the proposed drilling plan. The Committee reviewed the results and observed that the block exhibits medium- to high-grade iron mineralisation.
h. The Committee accorded approval for undertaking drilling as per the approved drill plan and advised the agency to close the borehole BH-02 upon successful intersection of the mineralised zone.

Recommendations of TCC-1:

The Committee advised the agency to undertake drilling in accordance with the approved drilling plan and to close the borehole BH-02 upon successful intersection of the mineralised zone.

Agenda 107.5.5. Preliminary Exploration (G-3 Stage) for aluminous laterite and associated critical minerals in Govindagude & Sudigudde block, Udupi District, Karnataka.

[Implementing Agency: M/s Critical Mineral Trackers]

a. The agency informed that the project was approved 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 that the project was delayed due to delay in getting forest clearance and forest permission for pitting was received on 31.08.2026.
d. The Committee noted that a total of 25 pits had been proposed in the Govindagude and Sudigudde Blocks, of which nine pits had been completed in the forest area. Permission for excavation of seven pits in the deemed forest/non-forest area was not granted by the Forest Department due to discrepancies between the coordinates provided by the Revenue Department and the forest boundary records. The agency further informed that the remaining nine pits located in the forest area are expected to be completed by the end of the current month.
e. The Committee was informed that drilling had been completed in four boreholes, with a cumulative drilling depth of 54m. The agency further requested approval for an additional 22 m of drilling in the remaining seven boreholes.
f. The Committee observed that deeper-level drilling was not required and advised that the agency may undertake additional drilling of 5–10 m in elevated areas, if prospective mineralised zones continue, subject to subsequent ratification by the Committee.

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g. The agency also requested for timeline extension upto 31.01.2027 for completion of drilling, pitting and GR preparation.

Recommendations of TCC-1:

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

Agenda 107.5.6. Preliminary Exploration (G3) for Gold in Kanivihalli Block, Vijayanagara District, Karnataka State
[Implementing Agency: M/s Geovale Services Pvt. Ltd]

a. Geovale Services Pvt. Ltd. informed that the project was approved in the 5th PSC Meeting held on 9th February, 2026. The Sanction Order was issued on 6th March, 2026 with timeline of 6 months (up to 05.09.2026) for first phase of work and approved cost was INR 1,92,28,450/-. The timeline was extended upto 31.12.2026 in 13th PSC meeting.
b. The agency informed that, under Phase-I, traverse mapping has been completed over 24 sq. km, and BR sampling and analysis of 100 samples have been completed, with the highest Au value of 138 ppb. Analytical results of 58 samples have been received so far.
c. Further, forest permission, applied for on 14.05.2026, was received on 28.08.2026 and consequently, no field work could be undertaken from May 2026 onwards pending the clearance. Under Phase-II, trenching and resistivity survey have been completed.
d. The agency informed that prospective areas had been identified and three zones delineated. However, the Committee observed that these zones had been demarcated without supporting analytical data indicating gold mineralisation.
e. The agency informed the committee, gold value recorded upto 138 ppb in BR and upto 20 ppb in trench samples, analysis of trench wall samples are awaited.
f. The agency requested for modification in cost sheet to include miscellaneous cost of drilling (12.65 lakhs) and sought approval for initiation of drilling.
g. The Committee noted that a gold value of 20 ppb was reported from a trench located away from the shear zone. The Committee advised the agency to present the complete analytical results of BRS and trench samples, duly plotted on the geological map, along with the proposed borehole locations, for review. The agency was further advised to substantiate the delineation of the three identified prospective zones with supporting geological and analytical evidence. Approval for drilling would be considered only after a satisfactory review and justification of the proposed borehole locations.

Recommendations of TCC-1:

The Committee did not recommend the proposed cost revision and advised the agency to present the complete analytical results of BRS and trench samples, along

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with the proposed borehole locations duly plotted on the geological map, for review and consideration in the forthcoming TCC meeting.

Agenda 107.5.7. Preliminary Exploration (G3) for Limestone in Paradva- Amrapar Blocks A-B-C-D, Jamnagar District, Gujarat
[Implementing Agency: CGM, Gujarat]

a. CGM informed the committee that the project was approved in the 5th PSC Meeting held on 9th February, 2026. The Sanction Order was issued on 11th March, 2026 with timeline of 8 months (up to 10.11.2026).
b. Further, CGM informed the Committee that the exploration activities could not be undertaken due to local agitation and administrative constraints in the project area. In view of these, CGM requested for surrender of the exploration project and return of sanctioned amount.
c. The Committee noted that only the DGPS survey had been completed by CGM in the project area and that no further exploration activities could be undertaken.
d. Considering the above, the committee recommended the surrender of the project due to local agitation and administrative issues in the area and advised CGM Gujarat to surrender the sanctioned amount to NMEDT along with interest.

Recommendations of TCC-1:

The Committee recommended the surrender of the project to the PSC, NMEDT, for consideration and approval, in view of the persistent local agitation and administrative constraints that have impeded the execution of exploration activities, and refund of the sanctioned amount to NMEDT along with applicable interest.

Agenda 107.5.8. Reconnaissance Survey (G-4 stage) for establishing the occurrence of Lithium and associated minerals in Great Rann of Kachchh, Gujarat
[Implementing Agency: CGM, Gujarat]

a. The discussion of the project was deferred to the forth-coming TCC-II meeting.

Agenda 107.5.9. Preliminary Exploration (G-3) for Limestone in Chhasra Block, Kachchh District, Gujarat.
[Implementing Agency: CGM, Gujarat]

a. CGM Gujarat informed that the project was approved in the 33rd EC Meeting held on 19th February, 2024. The sanction order was issued on 28th February, 2024 with timeline of 6 months (up to 27.08.2024) and approved cost was INR 1,74,04,577/-.
b. Timeline was extended upto 28.02.2025 and 27.08.2025 by EC in its 39th and 42nd meetings respectively. Timeline was further extended upto 31.07.2026 and 31.08.2026 by PSC in its 10th and 11th meetings respectively.

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c. The agency has submitted the GR and final costing of the project was revised based on the actual quantum of work achieved and the corresponding expenditure in the 102nd TCC-1 meeting.
d. During 12th meeting of the PSC, the committee observed that CGM, Gujarat, had not presented the project for review at any stage during its execution. Accordingly, the Committee directed the agency to furnish a written explanation for the same and deferred consideration of the proposal pending receipt of its response.
e. CGM Gujarat, clarified that projects were reviewed during the 3rd TCC-II meeting held on 5–6 December 2024 and subsequently during the 7th TCC-II meeting held on 24 March 2025, following which extensions of the project timelines were approved by the committees. The agency further informed that exploration of the Jadva, Chasra and Vayor limestone blocks had been completed, establishing approximately 200 MT of additional cement-grade limestone resources. CGM, Gujarat, requested final approval of the projects to facilitate their formal closure and subsequent auction of the mineral blocks.
f. The committee agreed for extension of timeline upto 30.11.2026 for submission of final bills and other related documents.

Recommendations of TCC-1:

The committee recommended timeline extension upto 30.11.2026 for submission of final bills and other related documents and revision of cost as recommended in 102nd TCC-I meeting for approval of PSC, NMEDT.

Agenda 107.5.10. Preliminary Exploration (G-3) for Limestone in Vayor Block, Kachchh District, Gujarat

[Implementing Agency: CGM, Gujarat]

a. CGM Gujarat informed that the project was approved in the 33rd EC Meeting held on 19th February, 2024. The sanction order was issued on 28th February, 2024 with timeline of 6 months (up to 27.08.2024) and approved cost was INR 94,28,274/-.
b. Timeline was extended upto 28.02.2025 and 27.08.2025 by EC in its 39th and 42nd meetings respectively. Timeline was further extended upto 31.07.2026 and 31.08.2026 by PSC in its 10th and 11th meetings respectively.
c. The agency has submitted the GR and final costing of the project was revised based on the actual quantum of work achieved and the corresponding expenditure in the 102nd TCC-1 meeting.
d. During 12th meeting of the PSC, the committee observed that CGM, Gujarat, had not presented the project for review at any stage during its execution. Accordingly, the Committee directed the agency to furnish a written explanation for the same and deferred consideration of the proposal pending receipt of its response.
e. CGM Gujarat, clarified that projects were reviewed during the 3rd TCC-II meeting held on 5–6 December 2024 and subsequently during the 7th TCC-II meeting held on 24 March 2025, following which extensions of the project timelines were approved by the committees. The agency further informed that exploration of the Jadva, Chasra and Vayor limestone blocks had been completed, establishing approximately 200 MT

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of additional cement-grade limestone resources. CGM, Gujarat, requested final approval of the projects to facilitate their formal closure and subsequent auction of the mineral blocks.

f. The committee agreed for extension of timeline upto 30.11.2026 for submission of final bills and other related documents.

Recommendations of TCC-1:

The committee recommended timeline extension upto 30.11.2026 for submission of final bills and other related documents and revision of cost as recommended in 102nd TCC-I meeting for approval of PSC, NMEDT.

Agenda 107.5.11. Preliminary Exploration (G-3) for Limestone in Jadva Block, Kachchh District, Gujarat.

[Implementing Agency: CGM, Gujarat]

a. CGM Gujarat informed that the project was approved in the 33rd EC Meeting held on 19th February, 2024. The sanction order was issued on 28th February, 2024 with timeline of 6 months (up to 27.08.2024) and approved cost was INR 60,97,512/-.
b. Timeline was extended upto 28.02.2025 and 27.08.2025 by EC in its 39th and 42nd meetings respectively. Timeline was further extended upto 31.07.2026 and 31.08.2026 by PSC in its 10th and 11th meetings respectively.
c. The agency has submitted the GR and final costing of the project was revised based on the actual quantum of work achieved and the corresponding expenditure in the 102nd TCC-1 meeting.
d. During 12th meeting of the PSC, the committee observed that CGM, Gujarat, had not presented the project for review at any stage during its execution. Accordingly, the Committee directed the agency to furnish a written explanation for the same and deferred consideration of the proposal pending receipt of its response.
e. CGM Gujarat, clarified that projects were reviewed during the 3rd TCC-II meeting held on 5–6 December 2024 and subsequently during the 7th TCC-II meeting held on 24 March 2025, following which extensions of the project timelines were approved by the committees. The agency further informed that exploration of the Jadva, Chasra and Vayor limestone blocks had been completed, establishing approximately 200 MT of additional cement-grade limestone resources. CGM, Gujarat, requested final approval of the projects to facilitate their formal closure and subsequent auction of the mineral blocks.
f. The committee agreed for extension of timeline upto 30.11.2026 for submission of final bills and other related documents.

Recommendations of TCC-1:

The committee recommended timeline extension upto 30.11.2026 for submission of final bills and other related documents and revision of cost as recommended in 102nd TCC-I meeting for approval of PSC, NMEDT.

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Agenda 107.5.12. Preliminary Exploration for Bauxite in Mothala Block, Kachchh District, Gujarat
[Implementing Agency: CGM, Gujarat]

a. CGM Gujarat informed that the project was approved in the 37th EC Meeting held on 23rd September, 2024. The sanction order was issued on 22nd October, 2024 with timeline of 8 months (up to 21.06.2025) and approved cost was INR 2,25,60,284/-.
b. Timeline was extended upto 31.07.2026 and 31.08.2026 by PSC in its 10th and 11th meetings respectively.
c. The agency has submitted the GR and final costing of the project was revised based on the actual quantum of work achieved and the corresponding expenditure in the 102nd TCC-1 meeting.
d. During 12th meeting of the PSC, the committee observed that CGM, Gujarat, had not presented the project for review at any stage during its execution. Accordingly, the Committee directed the agency to furnish a written explanation for the same and deferred consideration of the proposal pending receipt of its response.
e. CGM, Gujarat, informed that exploration of the Mothala Bauxite Block, Kutch District, had been completed, establishing approximately 12 MT of additional bauxite resources, with potential for subsequent auction.
f. The agency further stated that the project could not be presented for review at the prescribed stage due to administrative reasons and expressed regret for the procedural lapse and assured timely submission of projects for review at the stipulated stages in future.
g. The committee agreed for extension of timeline upto 30.11.2026 for submission of final bills and other related documents.

Recommendations of TCC-1:

The committee recommended timeline extension upto 30.11.2026 for submission of final bills and other related documents and revision of cost as recommended in 102nd TCC-I meeting for approval of PSC, NMEDT.

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Annexure-6

List of participants who attended the 107th Meeting of Technical-cum-cost Committee (TCC-I) of NMEDT held on 21st & 22nd October, 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 DGM Maharashtra				
11.	Representatives from DGM Chhattisgarh				

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12.	Representatives from DMG Andhra Pradesh
13.	Representatives from DMG Rajasthan
14.	Representatives from CGM Gujarat
15.	Representatives from CGM Tamil Nadu
16.	Representatives from DMG Madhya Pradesh
17.	Representatives from GSI
18.	Representatives from MECL
19.	Representatives from M/s BMRC Geomining Solutions
20.	Representatives from M/s S&S Geological consultant
21.	Representatives from M/s Deepsar Mineral Explorer
22.	Representatives from M/s Bhushilp Mines and Minerals Pvt Ltd
23.	Representatives from M/s Wattfin Ventures Private Limited
24.	Representatives from M/s HITTITES Exploration
25.	Representatives from M/s Geo Consultants Private Limited
26.	Representatives from M/s Gemcokati Exploration Pvt. Ltd.
27.	Representatives from M/s Geo Marine Solutions Private Limited
28.	Representatives from M/s GeoExpOre Pvt Ltd
29.	Representatives from M/s Gems Projects Pvt. Ltd.
30.	Representatives from M/s Geotechnical Mining Solutions
31.	Representatives from M/s Sathi Planners Private Limited
32.	Representatives from M/s Vardan Environet LLP
33.	Representatives from M/s Enkay Enviro Services Pvt. Ltd.
34.	Representatives from M/s Vibrant Techno Lab Private Limited
35.	Representatives from M/s Shijay Projects India Private Limited
36.	Representatives from M/s Critical Mineral Trackers
37.	Representatives from M/s Southwest Pinnacle

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38.	Representatives from M/s HK and Associates				
39.	Representatives from M/s Kartikay Exploration and Mining Services Pvt. Ltd				
40.	Representatives from M/s Geovale Services Pvt. Ltd.				
41.	Smt. Palak Kapoor	Sr. Geologist	nmet-mines@gov.in	8851742488	NMEDT

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