

Ministry of Mines
National Mineral Exploration and Development Trust
Minutes of the 88th Technical-cum-Cost Committee-1 (TCC-1) Meeting held on
16th and 17th January, 2026 through video conferencing

The 88th 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 16th and 17th January, 2026. Members of TCC-1, NMEDT and representatives from GSI, MECL, IBM, CGM Gujarat, DoMG Odisha, DGM Assam, OMC Ltd., Gemcokati Exploration Pvt. Ltd., Steiger Geoscience and Engineering Private Ltd., KIOCL, APC Drilling, M/s PRB Infraprojects Ltd., Indian Mine Planner and Consultancy, Geovale Services Pvt. Ltd., Kartikay Exploration and Mining Services Pvt. Ltd., Geo Exploration and Mining Solutions and MMPL Pvt. Ltd. have attended the meeting through their respective VC modes.

The list of participants is enclosed in Annexure-14.

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 88.1: Technical Evaluation of Special Studies Proposal

Agenda 88.2.1. Undertaking Geo-chemical Analysis of mine samples of Iron Ore and Limestone Mines by IBM through NMEDT fund.

[Implementing Agency: IBM]

- a. IBM has taken up "Geo-chemical Analysis of Mine Samples" from tailings, slags, red mud, anode slimes, filter cakes, and metallurgical dusts to check the concentrations of
- b. nationally important elements including Ni, Co, Ga, Sc, In, Sb, Cd, Se, Te, Nb, Ta, REEs, PGEs, often at grades exceeding those of the primary ore.
- c. The findings of the above study were also presented before the Hon'ble Minister of Mines on 02nd of December 2025. During the deliberations, the Hon'ble Minister highlighted the importance of the potential of critical minerals from by-product and secondary sources. During the discussion, he also enquired about the future action plan, to which IBM had proposed to take up the study of iron ore and limestone mines in the country. Sampling in selected iron ore and limestone mines based on geological distribution is proposed to be carry out to identify concentration of critical and strategic minerals in limestone and iron ores.
- d. Considering the association of key critical elements and large volumes of waste generated from iron ore and limestone mining and processing operations, systematic geochemical evaluation of these materials is proposed to assess their potential as secondary sources of critical minerals and to support improved resource utilisation and sustainable mining practices.
- e. The committee suggested for analysis of strategic and Critical minerals from limestone and analysis of Au & Ag is not required. As informed by IBM, sampling of not only

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limestone and iron ore but also the waste generated from mining also to be sampled for critical and strategic mineral assessment.

- f. IBM is proposed to analyse the samples in IBM, JNARDC, and MECL laboratories. The committee suggested to prepare a standard operating protocol for sample analysis through ICPMS in all three labs. It is also suggested IBM to take guidance from experts and to share the protocol with the respective labs.
- g. 'Gold and silver samples to be analysed in a single lab and 10% of check samples analysis may be analysed through reputed labs.
- h. The committee suggested to include 10% of check samples analysis for ICPMS analysis.

Recommendations of TCC-1:

The committee recommended the proposal titled "Undertaking Geochemical Analysis of mine samples of Iron Ore and Limestone Mines by IBM through NMEDT fund" for approval of PSC, NMEDT with an estimated cost of Rs. 426.68 lakh (including GST) within time schedule of 8 months for carrying out the proposed work and submission of report as per Annexure – 1A & 1B.

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Undertaking Geochemical Analysis of mine samples of Iron Ore and Limestone Mines by IBM through NMEDT fund

Sl. No.	Item of Work	Unit	Rates as per NMET SoC December, 2025		Total Cost of the Project		Remarks
			SoC-Item- S. No.	Rates as per SoC	Qty./days	Total Amount (Rs)	
1.0	Sample Processing						
1.1	Sampling man days for Sample processing work - Charges of one sampler per day (without Labour)	day	1.2.1b	7,850	175	13,73,750	1400 (total samples)/8 (no. of samples processed each day) = 175 days*
1.2	4 labours/sampler for sampling work	day	5.8	541	700	3,78,700	
Sub-Total 1						17,52,450	
2.0	Laboratory Studies						
2.1	Complete analysis of limestone/iron ore samples	per sample	4.1.11	3,900	1400	54,60,000	
2.2	Partial analysis of limestone samples (R2O3, Ca, Mg Acid insoluble & LOI)	per sample	4.1.10h	1,800	1400	25,20,000	
2.3	Analysis of one rock sample for quantitative analysis of 14 REE elements + 9 trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)	per sample	4.1.15	7,400	1400	1,03,60,000	
2.4	For each additional trace elements by ICP-MS (22 elements)	per sample	4.1.17b	9,262	1400	1,29,66,800	421 * 22 additional elements = 9262 per sample
2.5	For Gold & Ag	per sample	4.1.5a	5,000	620	31,00,000	Only for Iron ore Samples including check samples
Sub-Total 2						3,44,06,800	

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Total Estimated Cost without GST		3,61,59,250	
Provision for GST (18%)	CGST (@ 9%)	32,54,332.5	GST will be reimbursed as per actual and as per notified prescribed rate
	SGST (@9%)	32,54,332.5	
	IGST	=	
Total GST (CGST+SGST+IGST)		65,08,665	
Gross Value		3,61,59,250	
Tax Value		65,08,665	
Final Amount		4,26,67,915	
Amount in Lakh			426.68
Amount in words		Rupees Four crore twenty-six lakh sixty seven thousand nine hundred fifteen only	
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.		
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.		
5	Any item of work not mentioned above shall be added as per SoC.		
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency		

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Time Schedule/Action Plan for Undertaking Geochemical Analysis of mine samples of Iron Ore and Limestone Mines by IBM through NMEDT fund

S.No.	Activities	2026							
		Jan	Feb	Mar	Apr	May	Jun	July	Aug
1	Collection of samples from Mines and Plants	■							
2	Geochemical Analysis of the samples collected		■						
3	Data Compilation, Report preparation and Identification of potential areas for further study						■		

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Agenda 88.2: Technical evaluation of new project proposals

Agenda 88.2.1. Preliminary Exploration (G-3 stage) for Limestone and Manganese in Hathighat block, (Area: 11.28 Sq. Km) Dist- Adilabad, Telangana.

[Implementing Agency: MECL]

- a. The proposed block falls in Survey of India TS No. 56I/05 and 56I/09 and exposes Milliolite Limestone Formation.
- b. MECL informed that the Hathighat Limestone and Manganese block forms part of the Pranhita–Godavari (PG) Basin, a major NW–SE trending Proterozoic rift basin in central India. The Pranhita–Godavari Basin, is well known for stratabound sedimentary mineralisation, particularly manganese and limestone, hosted by the Neoproterozoic Penganga Group.
- c. Manganese mineralisation in the region occurs as laterally persistent, stratiform horizons within the massive limestone member of the Penganga Limestone Formation.
- d. Two distinct manganiferous horizons are recognised regionally: a lower, thicker and economically significant horizon, and an upper, thinner and jasper-rich horizon.
- e. Reconnaissance Survey (G-4 stage) exploration was carried out by GSI, CR during Field Season 2017–18 in the Pranhita–Godavari Basin, covering the Guda–Rampur and Kanpa–Junapani blocks.
- f. A resource of approximately 2.514 million tonnes of manganese and 77.16 million tonnes of cement-grade limestone in the Guda–Rampur block have been estimated at G-4 stage (334) Category.
- g. The authors have recommended for the Preliminary exploration at G-3 stage to check and verify the coexistence of substantial cement-grade limestone with stratabound manganese mineralisation and encouraging manganese grades in the ore zones for assessing the the mineral potential of the block.
- h. It was informed that as per the review meeting held on 29.07.2025 with GSI, IBM, MECL & DMG Telangana, 3 limestone blocks in Adilabad district of Telangana were assigned to MECL for proposing G3 exploration under NMET funding to enable auction as mining leases.
- i. Hathighat G-3 block in Adilabad Distt. Of Telangana has been carved out from the lapsed leases(10a2b) in the mineral-proven Pranhita-Godavari Basin, hosting cement-grade limestone and stratabound manganese within Penganga Limestone.
- j. The agency apprised the committee regarding the systematic approach of exploration to be followed and establishing the Inferred Mineral Resources of limestone and Inferred Mineral Resources of manganese within the block area in accordance with UNFC classification (333) at G- 3 level of exploration).
- k. The proposal was deferred in the previous TCC-1 meeting due to issue with the block boundary overlap with the alreday auctioned block and now the agency has rectified it.
- l. The committee recommends the proposal and precise borehole logging identifying the different lithological variation and carry out core sampling.
- m. The sampling for Manganese and limestone zones to be done at 1m interval. In the low grade Limestone horizon, samplng may be done at 2.00 m length.
- n. Boreholes to be drilled up to 40-50 m depth depending on the intersection of limestone horizon and two deeper boreholes at 80 m depth may be planned spacialy.

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Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for Limestone and Manganese in Hathighat block, District: Adilabad, Telangana" for approval of PSC, NMEDT with an estimated cost of Rs. 209.33 lakh (including GST) within time schedule of 12 months for carrying out the proposed work and submission of report as per Annexure – 2A & 2B. The item will be reviewed after 4 and 8 months.

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Preliminary Exploration (G3) for Limestone and Manganese in Hathighat block, District: Adilabad, Telangana
[Block area- 11.28 sq. km; Total drilling: 910 m; Nos. of Borehole- 17; Depth: 50m-80m; Schedule timeline- 12 months; Review after: 4 and 8 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)	
i	Geological mapping	Sq.Km	1.1	18,300	11.28	2,06,424	
B		OTHER GEOLOGICAL WORK					
i	Charges for one Geologist- Field	day	1.2.1a	14,500	120	17,40,000	Including Core logging and surface sampling, Mapping.
ii	2 labours/ party	day	5.8	541	240	1,29,840	
iii	Core Sampling -1 Samplers Labour charge not included	day	1.2.1b	7,850	204	16,01,400	
iv	4 labours/ party	day	5.8	541	816	4,41,456	
iii	Charges for one Geologist per- HQ	day	1.2.1a	10,500	45	4,72,500	
Sub Total- A+B						45,91,620	
C		SURVEY WORK					
i	Surveyor Work	days	1.3.1	10,500	30	3,15,000	
ii	4 labours/ party	day	5.8	541	120	64,920	
Sub Total- C						3,79,920	
D		DRILLING (Outsourcing)					

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i	Drilling upto 400m (Soft Rock)	m	2.2.1.1c	5,500	910	50,05,000	2 BH x 80m + 15 BH x 50m = 910m
ii	Land / Crop Compansation	per BH	5.6	30,000	17	5,10,000	As per actuals
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	17	34,000	
iv	Technical Supervision cost	-	6	In case of outsourcing of work, the Technical Supervision cost shall be 10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh.	1	5,00,500	800 m core to be preserved. 1 complete BH and remaining mineralised zone
v	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and by DGPS	per point of observation	1.3.2	24,000	21	5,04,000	BH- 17 nos. & Cardinal point- 4 nos.
Sub Total- D						65,53,500	
E	LABORATORY STUDIES						
1	Chemical Analysis						
i	Drill core Primary & Check samples for Limestone						
a	Major oxides (WD XRF)- (oxides+ traces -24 elements) (11 radicals CaO, MgO, Al2O3, SiO2, Fe2O3, SO3, MnO, P2O5, K2O, TiO2, Na2O)	Per sample	4.1.17a	4,200	750	31,50,000	

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b	Partial analysis of dolomite/ limestone samples (Acid insoluble & LOI)	Per sample	4.1.10h	1,800	750	13,50,000	
c	External Check samples: Major oxides (WD XRF)- (oxides+ traces -24 elements) (11 radicals CaO, MgO, Al2O3, SiO2, Fe2O3, SO3, MnO, P2O5, K2O, TiO2, Na2O)	Per sample	4.1.17a	4,200	75	3,15,000	
ii	Drill core Primary & Check samples for Manganese						
a	Major oxides (WD XRF)- (oxides+ traces -24 elements) (Total Mn, MnO2, Fe2O3, P2O5, SiO2 and acid insolubles and 8 trace element (Cu, Ni, Co, Cr, Pb, Zn, Ba, Nb)	Nos	4.1.17a	4,200	50	2,10,000	
b	External check samples- Major oxides (WD XRF)- (oxides+ traces -24 elements) (Total Mn, MnO2, Fe2O3, P2O5, SiO2 and acid insolubles and 8 trace element (Cu, Ni, Co, Cr, Pb, Zn, Ba, Nb)	Nos	4.1.17a	4,200	5	21,000	
2	Physical & Petrological Studies						
i	Preparation of thin section	Nos	4.3.1	500	5	2,500	
ii	Complete petrographic study report	Nos	4.3.4	2,800	5	14,000	
iii	Preparation of polished section	Nos	4.3.2	800	2	1,600	
iv	Complete mineragraphic study report	Nos	4.3.4	2,800	2	5,600	
vi	XRD Studies	Nos	4.5.2	4,000	5	20,000	
vii	Density	Nos	4.8.3	2,500	5	12,500	
						Sub Total- E	51,02,200
F						Total A to E	1,66,27,240

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G	Geological Report Preparation		5.2 (iii)	Total cost of the project exceeding ₹150 lakh is ₹7.5 lakh		7,50,000	As per SoC
H	Peer review Charges		As per EC decision			30,000	
I	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.00 Lakhs whichever is lower		3,32,545	As per SoC
K	Total Estimated Cost without GST					1,77,39,785	
J	Provision for GST (18% of I)					31,93,161.26	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					2,09,32,946.06	
				or Say Rs. In Lakhs		209.33	
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

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Time Schedule/ Action plan for Preliminary Exploration (G3) for Limestone and Manganese in Hathihat block, District: Adilabad, Telangana

S. No.	Particulars	Months/Days	1	2	3	4	REVIEW	5	6	7	8	REVIEW	9	10	11	12		
1	Camp Setting	months																
2	Geological Mapping	months																
3	Survey days	days																
6	Drilling (1 rig)	m																
7	Geologist days	days																
8	Sampling days, Core Sampling	days																
9	Camp winding	months																
10	Laboratory Studies	months																
11	Geologist days, HQ	days																
12	Report Writing with Peer Review	months																

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Agenda 88.2.2. Preliminary Exploration (G-3 stage) for Limestone and Manganese in Tamsi block, (Area: 6.70 Sq. Km) Dist- Adilabad, Telangana.

[Implementing Agency: MECL]

- a. The proposed block falls in Survey of India TS No. 561/05 and 561/09 and exposes Milliolite Limestone Formation.
- b. MECL informed that the Hathighat Limestone and Manganese block forms part of the Pranhita–Godavari (PG) Basin, a major NW–SE trending Proterozoic rift basin in central India. The Pranhita–Godavari Basin, is well known for stratabound sedimentary mineralisation, particularly manganese and limestone, hosted by the Neoproterozoic Penganga Group.
- c. Manganese mineralisation in the region occurs as laterally persistent, stratiform horizons within the massive limestone member of the Penganga Limestone Formation.
- d. Two distinct manganiferous horizons are recognised regionally: a lower, thicker and economically significant horizon, and an upper, thinner and jasper-rich horizon.
- e. Reconnaissance Survey (G-4 stage) exploration was carried out by GSI, CR during Field Season 2017–18 in the Pranhita–Godavari Basin, covering the Guda–Rampur and Kanpa–Junapani blocks.
- f. A resource of approximately 2.514 million tonnes of manganese and 77.16 million tonnes of cement-grade limestone in the Guda–Rampur block have been estimated at G-4 stage (334) Category.
- g. The authors have recommended for the Preliminary exploration at G-3 stage to check and verify the coexistence of substantial cement-grade limestone with stratabound manganese mineralisation and encouraging manganese grades in the ore zones for assessing the the mineral potential of the block.
- h. It was informed that as per the review meeting held on 29.07.2025 with GSI, IBM, MECL & DMG Telangana, 3 limestone blocks in Adilabad district of Telangana were assigned to MECL for proposing G3 exploration under NMET funding to enable auction as mining leases.
- i. Hathighat G-3 block in Adilabad Distt. Of Telangana has been carved out from the lapsed leases(10a2b) in the mineral-proven Pranhita-Godavari Basin, hosting cement-grade limestone and stratabound manganese within Penganga Limestone.
- j. The agency apprised the committee regarding the systematic approach of exploration to be followed and establishing the Inferred Mineral Resources of limestone and Inferred Mineral Resources of manganese within the block area in accordance with UNFC classification (333) at G- 3 level of exploration.
- k. The committee recommends the proposal and precise borehole logging identifying the different lithological variation and carry out core sampling.
- l. The sampling for Manganese and limestone zones to be done at 1m interval. In the low grade Limestone horizon, sampling may be done at 2.00 m length.
- m. Boreholes to be drilled up to 40-50 m depth depending on the intersection of limestone horizon and two deeper boreholes at 80 m depth may be planned spacialy.

Recommendations of TCC-1:

The committee recommended the proposal “Preliminary Exploration (G3) for Limestone and Manganese in Tamsi block, District: Adilabad, Telangana” for approval of PSC, NMEDT with an estimated cost of Rs. 125.21 lakh (including GST) within time schedule of 10 months for carrying out the proposed work and submission of report as per Annexure – 3A & 3B. The item will be reviewed after 3 and 6 months.

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Preliminary Exploration (G3) for Limestone and Manganese in Tamsi block, District: Adilabad, Telangana
[Block area- 6.70 sq. km; Drilling: 510m Nos. of Boreholes- 09; Depth: 50m-80m; Schedule timeline- 10 months; Review after 3 and 6 months]

S. No.	Item of Work	Unit	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item - Sl No.	Rates as per SoC	Qty.	Amount (Rs)	
i	Geological mapping	Sq.Km	1.1	18,300	6.70	1,22,610	
B		OTHER GEOLOGICAL WORK					
i	Charges for one Geologist- Field	day	1.2.1a	14,500	100	14,50,000	Including core logging surface sampling and mapping
ii	2 labours/ party	day	5.8	541	200	1,08,200	
iii	Core Sampling -1 Sampler	day	1.2.1b	7,850	116	9,10,600	
iv	4 labours/ party	day	5.8	541	464	2,51,024	
v	Charges for one Geologist per- HQ	day	1.2.1a	10,500	30	3,15,000	
Sub Total- A+B						31,57,434	
C		SURVEY WORK					
i	Surveyor Work	days	1.3.1	10,500	20	2,10,000	
ii	4 labours/ party	day	5.8	541	80	43,280	
Sub Total- C						2,53,280	
D		DRILLING (Outsourcing)					

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i	Drilling upto 400m (Soft Rock)	m	2.2.1.1c	5,500	510	28,05,000	2 BH x 80m + 7 BH x 50m = 510m
ii	Land / Crop Compensation	per BH	5.6	30,000	9	2,70,000	As per actuals
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	9	18,000	
iv	Technical Supervision cost	-	6	In case of outsourcing of work, the Technical Supervision cost shall be 10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh.		2,80,500	Core preservation of 500 m to be done. 1 complete BH and remaining mineralised zones
v	Bore Hole Fixation and determination of coordinates & Reduced Level of the boreholes and by DGPS	per point of observation	1.3.2	24,000	17	4,08,000	BH-9 nos. & Boundary points- 8 nos.
Sub Total- D						37,81,500	
E	LABORATORY STUDIES						
1	Chemical Analysis						
i	Drill core Primary & Check samples for Limestone						
a	Major oxides (WD XRF)- (oxides+ traces -24 elements) (11 radicals CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , SO ₃ , MnO, P ₂ O ₅ , K ₂ O, TiO ₂ , Na ₂ O)	Per sample	4.1.17a	4,200	425	17,85,000	
b	Partial analysis of dolomite/ limestone samples (Acid insoluble & LOI)	Per sample	4.1.10h	1,800	425	7,65,000	
c	External Check samples: Major oxides (WD XRF)- (oxides+ traces -24 elements) (11 radicals CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , SO ₃ , MnO, P ₂ O ₅ , K ₂ O, TiO ₂ , Na ₂ O)	Per sample	4.1.17a	4,200	43	1,80,600	

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ii	Drill core Primary & Check samples for Manganese						
a	Major oxides (WD XRF)- (oxides+ traces -24 elements) (Total Mn, MnO ₂ , Fe ₂ O ₃ , P ₂ O ₅ , SiO ₂ and acid insolubles and 8 trace element (Cu, Ni, Co, Cr, Pb, Zn, Ba, Nb)	Nos	4.1.17a	4,200	30	1,26,000	
b	External check samples- Major oxides (WD XRF)- (oxides+ traces -24 elements) (Total Mn, MnO ₂ , Fe ₂ O ₃ , P ₂ O ₅ , SiO ₂ and acid insolubles and 8 trace element (Cu, Ni, Co, Cr, Pb, Zn, Ba, Nb)	Nos	4.1.17a	4,200	3	12,600	
2	Physical & Petrological Studies						
i	Preparation of thin section	Nos	4.3.1	500	5	2,500	
ii	Complete petrographic study report	Nos	4.3.4	2,800	5	14,000	
iii	Preparation of polished section	Nos	4.3.2	800	5	4,000	
iv	Complete mineragraphic study report	Nos	4.3.4	2,800	5	14,000	
vi	XRD Studies	Nos	4.5.2	4,000	5	20,000	
vii	Density	Nos	4.8.3	2,500	5	12,500	
				Sub Total- E		29,36,200	
F				Total A to E		1,01,28,414	
G	Geological Report Preparation		5.2 (ii)	Total cost exceeding ₹50 lakh but less than 150 lakh: ₹2.5 lakh		2,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) with soft copy

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H	Peer review Charges		As per EC decision			30,000	
I	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.00 Lakhs whichever is lower		2,02,568	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
K	Total Estimated Cost without GST					1,06,10,982	
J	Provision for GST (18% of I)					19,09,976.81	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					1,25,20,959.09	
				or Say Rs. In Lakhs		125.21	
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

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Time Schedule/ Action Plan for Preliminary Exploration (G3) for Limestone and Manganese in Tamsi block, District: Adilabad, Telangana																
S. No.	Particulars	Months/Days	1	2	3	REVIEW	4	5	6	REVIEW	7	8	9	10		
1	Camp Setting	months														
2	Geological Mapping	months														
3	Survey days	days														
6	Drilling (1 rig)	m														
7	Geologist days	days														
8	Sampling days, Core Sampling	days														
9	Camp winding	months														
10	Laboratory Studies	months														
11	Geologist days, HQ	days														
12	Report Writing with Peer Review	months														

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Agenda 88.2.3. Preliminary Exploration (G3) for Limestone at Paradva-Amrapar Block A, District: Jamnagar, Gujarat.

and

88.2.4. Preliminary Exploration (G3) for Limestone at Paradva-Amrapar Block B, District: Jamnagar, Gujarat.

and

88.2.5. Preliminary Exploration (G3) for Limestone at Paradva-Amrapar Block C, District: Jamnagar, Gujarat.

and

88.2.6. Preliminary Exploration (G3) for Limestone at Paradva-Amrapar Block D, District: Jamnagar, Gujarat.

[Implementing Agency: CGM, Gujarat]

- a. The proposal was reviewed and recommended in the 87th TCC-1 meeting (Agenda 87.1) and costing of the project is done during the 88th TCC-I meeting.
- b. After technical deliberations, ***the committee stated that a single project is approved with 4 sub blocks A, B, C and D (as mentioned in Agenda 87.1.1, 87.1.2, 87.1.3 and 87.1.4 of 87th TCC-I meeting). Four reports will be submitted for individual blocks.***

Recommendations of TCC-1:

The committee recommended the proposal titled “Preliminary Exploration (G3) for Limestone in Paradva-Amrapar Blocks A-B-C-D, Jamnagar District, Gujarat” for approval of PSC, NMEDT with an estimated cost of Rs. 131.86 lakh (including GST) within time schedule of 8 months for carrying out the proposed work and submission of report as per Annexure – 4A & 4B. The item will be reviewed after 3 and 6 months. Four separate geological reports would be submitted for Blocks A, B, C and D.

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Preliminary Exploration (G3) for Limestone in Paradva-Amrapar Blocks A-B-C-D , Jamnagar District, Gujarat
Area: 9.07 sq.km, Total Drilling : 420 m, BH Nos.: 21, Depth: 20m, Timeline : 8 months , Review : After 3 and 6 months

S. No.	Item of Work	Unit	Rates as per NMEDT revised SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item - SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	
A	Geological Mapping Other Geological Work & Surveying						
	Geological mapping including contouring (1:4000 scale)		1.1	18300	9.07	1,65,981	
i	a. Charges for Geologist per day (Field) for geological mapping & drilling work	day	1.2.1a	14500	120	17,40,000	Detailed Geological Mapping on scale 1:4000, Core logging, Sampling
ii	Labours Charges (2 Nos)	day		541	240	1,29,840	
iii	Charges for Geologist per day (HQ)		1.2.1a	10,500	45	4,72,500	
iv	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7850	65	5,10,250	
v	Labours (4 Nos)	day		541	260	1,40,660	
	Sub Total- A					31,59,231	
B	Survey work						
a	DGPS Survey for BH fixation & RL determination/ Boundary Point	Per Point of observation	1.3.2	24000	37	888000	21 BH + 16 cardinal points for all the 4 blocks
b	Charges of Surveyor (1 party) for survey layout work & Block boundary demarcation	one surveyor per day	1.3.1	10500	30	315000	Topographic survey - contour interval: 4 m.
c	Labours Charges for survey work; (4 Nos)	day	5.7	541	120	64920	
	Sub-Total B					12,67,920	

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C	DRILLING (after review) (outsourced)						
1	Drilling (Outsourcing)	m	2.2.1.1 c	5500	420	23,10,000	Paradva-Amrapar-A Block (100 m) Paradva-Amrapar-B Block (80 m) Paradva-Amrapar-C Block (180 m) Paradva-Amrapar-D Block (60 m)
2	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	21	30,000	6,30,000	As per actuals
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2000	21	42,000	
10	Technical Supervision for outsourcing of drilling		6	In case of outsourcing of work, the Technical Supervision cost shall be 10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh.		2,31,000	420 m core to be preserved
	Sub Total C					32,13,000	
D	LABORATORY STUDIES						
1	Chemical Analysis						
i)	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)						
	a. Primary analysis (major oxides by XRF analysis)	Nos	4.1.17a	4200	50	2,10,000	Bed rock samples
ii)	Surface Check samples (10% External)						

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	a. Primary analysis (major oxides by XRF analysis)	Nos	4.1.17a	4200	5	21,000	Bed rock samples
v)	BH Core samples						
	a. Primary analysis (major oxides by XRF analysis)	Nos	4.1.17a	4200	420	17,64,000	
	c. For PGE	Nos					
vi)	BH Core samples (10%External)						
	a. Primary analysis (major oxides by XRF analysis)	Nos	4.1.17a	4200	42	1,76,400	
2	<u>Physical & Petrological Studies</u>						
i	Preparation of thin section	Nos	4.3.1	500	10	5,000	
ii	Study of thin section	Nos	4.3.4	2800	10	28,000	Complete petrography study (along with 5 nos. digital photo micrographs)
vii	Bulk Density	Nos	4.8.3	2,500	5	12,500	
	Sub Total D					22,16,900	
E	Total A to D					98,57,051	
I	Geological Report Preparation	5 Hard copies with a soft copy	5.2 (ii)	Total cost exceeding ₹50 lakh but less than 150 lakh: ₹2.5 lakh	2.5 lakh * 4 (reports)	10,00,000	Paradva-Amrapar-A Block (5 copies) Paradva-Amrapar-B Block (5 copies) Paradva-Amrapar-C Block (5 copies) Paradva-Amrapar-D Block (5 copies)
J	Peer review Charges		As per EC decision	30,000	30000*4	1,20,000	

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K	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of approved project Cost or Rs. 5 Lakhs whichever is lower	1,97,141	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
L	Total Estimated Cost without GST				1,11,74,192	
M	Provision for GST (18%)				20,11,354.56	GST will be reimburse as per actual and as per notified prescribed rate
N	Total Estimated Cost with GST				1,31,85,547	
				or Say Rs. In Lakhs	131.86	
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.					
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.					
5	Any item of work not mentioned above shall be added as per SoC.					
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency					

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Time Schedule/ Action plan of Preliminary Exploration (G3) for Limestone in Paradva-Amrapar Blocks A-B-C-D , Jamnagar District, Gujarat

Sl. No.	Activities	Unit	MONTHS										
			1	2	3	Review	4	5	6	Review	7	8	
1	Camp Setting	Month											
2	Surface Drilling	m.											
3	Survey Party days (1 Party)	day											
4	Geologist Party days in field (1 Party)	day											
5	Sampling Party days, Core Sampling (1 party)	day											
6	Laboratory Studies	Nos.											
7	Camp Winding	Month											
8	Geologist Party days in HQ (1 Party)	day											
9	Geological Report Writing with Peer Review	Month											

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Agenda 88.2.7. Preliminary Exploration (G3) for Gold in Kanivihalli Block, Davangere District, Karnataka

[Implementing Agency: Geovale Services Pvt. Ltd.]

- a. The project was recommended during 81st meeting of TCC-I. However, the recommendations of TCC-I was kept on hold, as the agency was de-notified.
- b. The agency got re-notification/re-accreditation recently. Hence, re-costing of the project as per SoC 2025 for the approved work quantum has been done.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for Gold in Kanivihalli Block, Davangere District, Karnataka" for approval of PSC, NMEDT with an estimated cost of Rs. 600.21lakh (including GST) within time schedule of 15 months for carrying out the proposed work and submission of report as per Annexure – 5A & 5B. The item will be reviewed after 4, 8 and 12 months.

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Preliminary Exploration (G3) for Gold in Kanivihalli Block, Davangere District, Karnataka
Area 30 sq. km, No. of BH:20, Total drilling: 2500m; Schedule timeline- 15 months; Review: After 4, 8 and 12 months

S. No.	Item of Work *	Unit *	SoC-Item No. *	Rates as per NMET SoC 2025-26 (a)	Estimated Cost of the Proposal	Total Amount (Rs) (a*b)	Remarks (The actual drilling meterage will be decided after 1st and 2nd phase of work)
					Qty. (b)		
PHASE-1 (including updation of existing Geological map, Pitting, Trenching and Bedrock Sampling in grid pattern in identified mineralised zones)							
A	Geological Mapping Other Geological Work						
	Traverse Mapping (1:12,500 scale), Sampling, Pitting/Trenching						
i	Charges for Geologist per day (Field) for geological mapping	day	1.2.1a (b)	14,500.00	60	8,70,000	including sampling
ii	Labours Charges; Base rate	day	5.8	541.00	120	64,920	
iii	Charges for Geologist per day (HQ)	day	1.2.1a (a)	10,500.00	45	4,72,500	For entire project (including 3 phases)
	Trenching/Pitting						
v	Trenching	per cu.m	2.1.1	4,125.00	100	4,12,500	
vi	Bed rock sampling			-	100	-	Only quantification of samples to be collected
	Sub Total- A					18,19,920	
B	LABORATORY STUDIES						
1	Chemical Analysis						

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	Geochemical Sampling- Surface samples (Bedrock/Channel /Soil/Stream sediment)						
i	Au by Fire Assay	Nos	4.1.5a	3,500.00	200	7,00,000	100 Trench samples+ 100 BRS
ii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element by ICPMS	Nos	4.1.15	7,400.00	50	3,70,000	
iii	Determination of mercury in rock or soil samples (by Cold Vapour Technique)	Nos	-	-	-	-	This item has been removed in revised SoC
	Surface Check samples (10% External)						
i	Au by Fire Assay	Nos	4.1.5a	3,500.00	20	70,000	
ii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element by ICPMS	Nos	4.1.15	7,400.00	5	37,000	
iii	Sampler Man days		1.2.1b	7850	34	264938	
iv	Labour Man days		5.8	541	135	73035	
2	Physical & Petrological Studies						-
i	Preparation of standard polish section	Nos	4.3.2	800	10	8,000	
ii	study of polished section (along with 5 nos. digital photo micrographs)	Nos	4.3.4	2,800	10	28,000	
iii	SEM Studies	per hour	4.4.2	3,500	10	35,000	
iv	EPMA studies	per hour	4.4.1	10,500	10	1,05,000	
	Sub Total- B					16,90,973	
Review							

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PHASE-2 (GP survey in the zones identified in Phase 1 and Trenching)								
C	Ground Geophysical Survey							
i	Resistivity Profiling (Station interval 200m.)	line km	3.6a	58,880.00	20	11,77,600	200m station interval, 500 m line interval	
ii	IP(Dipole Dipole) (10-20 km)	line km	3.4 a	69,950.00	2	1,39,900		
iii	Geophysicist party days (HQ)	per day	3.18 a	10,500.00	20	2,10,000		
	Sub Total- C					15,27,500		
D	Trenching/Pitng							
	Trenching	per cu.m	2.1.1	4,125.00	150	6,18,750	Trench samples 100	
	Charges for Geologist per day (Field) for geological mapping	day	1.2.1a (b)	14,500.00	45	6,52,500		
	Labours Charges; Base rate	day	5.8	541.00	90	48,690		
	Sub Total- D					13,19,940		
E	Scout Drilling (In-house)							
i	Total Drilling 1500 m	m	2.2.1.1e	12,650.00	500	63,25,000	No. of BHs	
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30000	5	1,50,000	As per actuals	
iii	Concrete pilar construction (12"x12"x30")	per BH	2.2.7	2,000	5	10,000	As per actuals	
iv	Other Miscellaneous Charges for drilling	Calculated once along with 2nd phase drilling details						
	Sub Total E					64,85,000		
F	LABORATORY STUDIES							
1	Chemical Analysis							
	Geochemical Sampling-BH samples							
i	Au by Fire Assay	Nos	4.1.5a	3,500.00	250	8,75,000	150 Trench + 100 BH	
ii	XRF / Whole Rock Analysis	Nos	4.1.17a	4,200	25	1,05,000	Same samples	

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iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element by ICPMS	Nos	4.1.15	7,400.00	25	1,85,000	
	Check samples (10% External)						
i	Au by Fire Assay	Nos	4.1.5a	3,500.00	25	87,500	
ii	XRF / Whole Rock Analysis	Nos	4.1.17a	4,200	3	10,500	
	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element by ICPMS	Nos	4.1.15	7,400.00	3	18,500	
vi	Sampler Man days		1.2.1b	7850	41	3,21,359	
vii	Labour Man days		5.8	541	164	88,589	
2	Physical & Petrological Studies					-	
i	Preparation of standard polish section	Nos	4.3.1	800	10	8,000	
ii	study of polished section along with digital photographs	Nos	4.3.4	2,800	10	28,000	
iv	SEM Studies	per hour	4.4.2	3,500	10	35,000	
v	EPMA studies	per hour	4.4.1	10,500	10	1,05,000	
	Sub Total F					18,67,448	
	Review						
	PHASE-3						
G	Detailed Geological Mapping in 1:2,000 (Approx. 3 sq. km.) scale and Topographic Survey over prospective zone						
i	Charges for Geologist per day (Field) for geological mapping	day	1.2.1a (b)	14,500.00	150	21,75,000	
ii	Labours Charges; Base rate	day	5.8	541.00	300	1,62,300	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.

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i	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	28	6,72,000	20 BH points; 8 corner points
ii	Charges of Surveyor (1 party) for topographic survey	one surveyor per day	1.3.1	10,500	50	5,25,000	
iii	Labours Charges for survey work;	day	5.8	541.00	200	1,08,200	
	Sub-Total G					36,42,500	
H	2nd Phase DRILLING (In-house)						
i	Drilling up to depth of 120m/220m 250 m (Very Hard Rock)	m	2.2.1.1e	12,650.00	2000	2,53,00,000	Will be reviewed after 2 phase of work
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000.00	20	6,00,000	as per actual
iii	Concrete pilar construction (12"x12"x30")	per BH	2.2.7a	2,000	20	40,000	as per actual
iv	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation)	lumpsum	2.2.9 (4)	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation)	For Drilling cost more than 2 Crore : 10% of the Drilling Cost with a maximum ceiling of ₹ 25 lakh.	25,00,000	1000 m core to be preserved, Total drilling cost of 1st and 2nd phase is used for calculation
	Sub Total H					2,84,40,000	
I	LABORATORY STUDIES						

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I	Chemical Analysis of BH samples						
i	Au by Fire Assay	Nos	4.1.5a	3,500.00	400	14,00,000	400 core samples
iii	ICPMS	Nos	4.1.15	7,400.00	50	3,70,000	
	BH Core samples (10% External)					-	
i	Au by Fire Assay	Nos	4.1.5a	3,500.00	40	1,40,000	
	ICPMS	Nos	4.1.15	7,400.00	5	37,000	
vi	Sampler Man days		1.2.1b	7850	62	4,86,700	
vii	Labour Man days		5.8	541	248	1,34,168	
	Sub Total I					25,67,868	
J	Physical & Petrological Studies					-	
i	Preparation of standard polish section	Nos	4.3.2	800	20	16,000	
ii	Study of polished section alongwith digital photographs	Nos	4.3.4	2,800	20	56,000	
iv	SEM Studies	per hour	4.4.2	3,500	10	35,000	
v	EPMA studies	per hour	4.4.1	10,500	10	1,05,000	
	Geotechnical Laboratory						
i	Specific gravity of rock sample	per sample	4.8.1	2,500	5	12,500	
	Sub Total J					2,24,500	
K	Total A to J					4,95,85,649	
L	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of approved project cost or 5 lakh whichever is lower		5,00,000	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.

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M	Geological Report Preparation	5 Hard copies with a soft copy	5.2 (iii)	Total cost of the project exceeding ₹150 lakh ₹7.5 lakh		7,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
N	Peer review Charges		As per EC decision			30,000	
O	Total Estimated Cost without GST					5,08,65,649	
P	Provision for GST (18%)					91,55,817	GST will be reimburse as per actual and as per notified prescribed rate
Q	Total Estimated Cost with GST					6,00,21,465	
R				Rs. In Lakhs		600.21	
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
*	SoC Item No, Unit and Rate for each item of work must be as mentioned in the SoC.						

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Time Schedule/ Action Plan for Preliminary Exploration (G3) for Gold in Kanivihalli Block, Davangere District, Karnataka

S. No.		1	2	3	4		5	6	7	8		9	10	11	12		13	14	15			
1	Camp Setting					Review					Review					Review						
2	Traverse Mapping, Sampling and Geochemical analysis																					
3	Pitting/Trenching																					
4	Geophysical survey																					
5	Scout Drilling																					
6	Detailed Mapping, sampling and geochemistry																					
7	Systematic Drilling																					
8	Survey Party days																					
9	Resource Estimation																					
10	Report Writing with Peer Review																					

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Agenda 88.2.8. Preliminary Exploration (G-3) For Iron Ore In Lengupara Block, Goalpara District, Assam
[Implementing Agency: DGM Assam]

- a. The agency could not present the DPR and it will be taken up in the next TCC meeting
- b. AMD has carried out reconnaissance exploration (G4 stage) in the northern part of the proposed Lengupara iron block with partial overlap. Pegmatite samples (n=4) of Nalanga Hill analysed up to 0.22% U3Og and 0.24% ThOs. There is no ongoing exploration / reconnaissance project.
- c. The proposed block partially overlaps with the already explored block of AMD for Uranium. In view of above, DMG may modify the block boundary of Lengupara Iron
- d. Ore Block by excluding the overlapped area, bounded by corner points E. F. G & H (Map enclosed) in the interest of follow-up exploration for atomic minerals by AMD.
- e. The committee suggested the agency to present the DPR and detailed presentation in the next TCC meeting highlighting the work carried in the area and justification for the proposal for G3 satge exploration. The overlap area as indicated by AMD also to be excluded.

Recommendations of TCC-1:

The committee deferred the proposal as the agency could not present material. The committee also suggested DGM Assam to modify the area, as per comments received from AMD.

Agenda 88.2.9. Preliminary Exploration (G3 Stage) for Iron and Manganese Ore in Kenamenta Block
[Implementing Agency: OMC]

- a. The proposed block falls in Survey of India TS No. 73 G/5 and forms a part of the Horse shoe synclinorium of Jamda-Koira Valley (Jones., 1934). It is located in the eastern limb of the synclinorium and exposes rocks of the Iron Ore Super Group.
- b. Reconnaissance Survey with few drilled boreholes for manganese ore was taken up by DMG-Odisha during the F.S. 2012- 13 to assess the resource potential of the ore occurring around Kenamenta Block.
- c. Geological mapping on scale 1:2000 scale was carried out for an area of 1.05 sq km and the lithounits mapped are cherty quartzite, shale and laterite.
- d. The manganese ore occurs as isolated bands in association with brecciated chert forming small mounds.
- e. Two boreholes were drilled and an inferred resource of manganese ore of 43480 tonnes have been estimated as per the UNFC (334) category.
- f. The agency apprised the committee regarding the systematic approach of exploration to be followed and establishing the Inferred Mineral Resources of manganese within the block area in accordance with UNFC classification (333) at G- 3 level of exploration.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any past or ongoing projects.
2.	MECL	Not received.
3.	AMD	NA

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4.	State DMG/DGM/CGM	DMG-Odisha has carried out G-4 exploration in the proposed block. There is overlapping of about 0.2 sq km area with the leased area of TISCO.
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Recommendations of TCC-1:

The committee deferred the proposal and suggested for the revised proposal after discussion with State DMG to resolve the overlap issue.

Agenda 88.2.10. Preliminary Exploration (G3 Stage) for Iron and Manganese Ore in Betajhar Block

[Implementing Agency: OMC]

- The proposed block falls in Survey of India TS No. 73 G/5 and forms a part of the Horse shoe synclinerium of Jamda-Koira Valley (Jones., 1934).
- The Betajhar block forms a part of the Bonai-Keonjhar (B-K) Belt with rocks of the Iron Ore Super Group.
- Reconnaissance Survey with three boreholes drilled for manganese ore was taken up by DMG-Odisha during the F.S. 2021-22 to assess the resource potential of the ore occurring around Betajhar Block.
- An inferred resource of manganese ore of 0.331 Mt of Mn>25% and 1.142 Mt at 10-25% Mn have been estimated as per the UNFC (334) category by the Tata Steel in the major part of proposed block.
- The agency apprised the committee regarding the systematic approach of exploration to be followed and establishing the Inferred Mineral Resources of manganese within the block area in accordance with UNFC classification (333) at G- 3 level of exploration.
- NMET secretariate will share the data received from DMG, Odisha and GSI.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any past or ongoing projects.
2.	MECL	Not received.
3.	AMD	NA
4.	State DMG/DGM/CGM	There is overlapping of about 0.332 sq km area with the leased area of Tata Steel. Also the DMG-Odisha has carried out G-4 exploration in the proposed block.

Recommendations of TCC-1:

The committee deferred the proposal and suggested for the revised proposal after discussion with State DMG to resolve the overlap issue.

Agenda 88.2.11. Reconnaissance Survey (G4 stage) for Scandium, Gold, Gallium, Silver and Associated Minerals in Serpar-Bhimpuri Block, Mohla, Manpur and Dondi Taluka, Mohla-Manpur-Ambagarh Chowki and Balod District, Chhattisgarh (180 Sq. km)

[Implementing Agency: Gemcokati Exploration Pvt. Ltd.]

- The proposed block falls in Survey of India TS No. 64D/14 and are occupied by mafic rocks and rhyolitic rocks of Nandgaon Group.

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- b. GSI during the FS: 2017-18 pertaining to National Geochemical Mapping Programme (NGCM) has reported anomalous values of Scandium, Silver, Galium from soil horizon, soil regolith and stream sediment samples
- c. The regolith samples were found to contain 237 and 825 ppm of scandium. The stream sediment samples have also shown scandium concentrations ranging from 209 ppm to 592 ppm.
- d. Also anomalous values for gold ranging from 1 ppb to 17 ppb of Au is reported during the fieldwork.
- e. The agency apprised the committee regarding the systematic approach of exploration to be followed by carrying out the geological mapping on 1:12,500 scale of the block, delineation of different litho-units and associated features with special attention to demarcate the potential scandium, gold, gallium, silver bearing area by systematic surface exploration.
- f. The proposal was discussed and **got in-principal approval in the 81st TCC-I** meeting. The committee suggested to take up filed visit, sample collection and analysis and submit DPR.
- g. The agency has collected and analysed few samples from the rhyolite (SB-06) and laterite capping developed on basalt (SB-07) but the values of Sc, Gallium, REE and other elements are found to be not encouraging

Recommendations of TCC-1:

The committee deferred the proposal and suggested for the revised proposal with comprehensive compilation and analysis of existing database, analysis of bed rock and other samples collected by the agency for review in the upcoming TCC meeting.

Agenda 88.2.12. Preliminary Exploration (G-3) for Base metals and Associated Mineralization (Area-30 sq.km) in Jotri-Peepal, Tehsil- Pahadi & Seekri, District-Deeg, State-Rajasthan

[Implementing Agency: Steiger Geoscience and Engineering Private Ltd]

- a. The proposed block falls in Survey of India TS No. 54A/14 & 54 E/2 and the rock types exposed in the area belong to the Ajabgarh Group of Delhi Super-group comprising phyllite interbedded phyllite-quartzite and quartzite intruded by quartz veins of post-Delhi age. The proposal was approved in-principally during 85th TCC-1 meeting.
- b. Surface indications of sulphide mineralisation in the area include gossan outcrops, old workings, mine dumps and galena specks in the rock debris. The old workings are aligned parallel to the shear zones.
- c. The agency has apprised that GSI, WR had carried out drilling in FS 1975-77 that has revealed the presence of sulphides mainly of pyrite, pyrrhotite and chalcopyrites occurring as fine dissemination, thin veins and, stringers along bedding, foliation and fracture planes.
- d. They are mostly associated with the phyllitic quartzite and phyllite and quartz veins and structurally controlled by shear zones.
- e. Only a few lean zones of pyrite, pyrrhotite and subordinate chalcopyrite are intersected in the areas which do not have any economic significance. The anticipated lead mineralization has not been intersected in any of the boreholes.
- f. The agency has proposed for the systematic Preliminary exploration comprising integrated geological mapping (LSM/DM) and geophysical surveys (Drone Magnetic

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survey, IP Resistivity & SP survey) to identify vertical and lateral presence of mineralization and to further identify target areas for drilling.

- g. The TCC-1 committee recommends the proposal for carrying out exploration in two phases, viz.,

Phase-I Drone magnetic, ground gravity, SP, IP surveys in the 30 sq.km area, and updation of large scale geological map at (1:12,500 scale) and geochemical sampling will be carried out to delineate the target zone for DM.

Phase-II Detailed geological mapping (1:2000 scale), with close spaced IP & SP surveys at 400 m interval in the DM area, with systematic sampling in brecciated zone and 100 cu m PTS in the soil covered/ concealed area. Drilling is to be followed as per MEMC norms with first level and second level boreholes of 100-300 m depth.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G-3) for Base metals and Associated Mineralization in Jotri-Peepal Block, Tehsil- Pahadi & Seekri, District-Deeg, State-Rajasthan" for approval of PSC, NMEDT with an estimated cost of Rs. 481.77 lakh (including GST) within time schedule of 15 months for carrying out the proposed work and submission of report as per Annexure – 6A & 6B. The item will be reviewed after 3, 6, 9 and 12 months.

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Preliminary Exploration (G-3) for Base metals and Associated Mineralization in Jotri-Peepal Block, Tehsil- Pahadi & Seekri, District-Deeg, State-Rajasthan
Area of the Block -30 Sq Km; Total Drilling: 1500 m, Nos. of Borehole - 06 ; Depth of each borehole (100 to 300m); Completion Time - 15 Months; Review
Month: After 3rd, 6th, 9th & 12th month

S. No.	Item of Work	Unit	SoC Item -Sl No	Rates as per NMET SoC 2025-26	Estimated Cost of the Proposal		Remarks
				Rates as per SoC	Qty.	Estimated Cost (INR)	
A	GEOLOGICAL WORK						
1	Updation of existing LSM map by closed space traverses. 1:12,500 for 30 Sq km and 1:2,000 for 4 Sq km	Sq. km.	1.1	18,300	30	5,49,000	
i)	Geologist at HQ for related geological work	day	1.2.1a	10,500	20	2,10,000	
iii)	Geologist at field for related geological work	day	1.2.1b	14,500	70	10,15,000	
iii)	2 labours/ party	day	5.8	541	140	75,740	
vi)	Charges for one Sampler (for Surface sampling)	one sampler per day	1.2.1b	7,850	53	4,16,050	
v)	Labours for sampling work (4 Nos)	day	5.8	541	212	1,14,692	
2	PITTING (2m to 5m depth with back filling) 10 pits proposed	Per cum	2.1.3	6,662	80	5,32,960	10 pits
	TRENCHING (Excaviation up to 2m depth with back filling)	Per cum	2,1,1	4,125	100	4,12,500	100 cu m
3	SURVEY: Demarcation of block boundary, fixation of borehole & determination of coordinates and Reduced Level (RL) of the borehole by DGPS (including charges for labours deployed for the work)	Per Point of observation	1.3.2	24,000	10	2,40,000	Block boundary points-4, Borehole-06
				Sub-Total A		35,65,942	
B	DRONE TOPOGRAPHIC SURVEY						

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1	DRONE LiDAR TOPOGRAPHIC SURVEY	Sq. km.	7f	50,000	30	15,00,000	Drone Topographic survey - Ortho Mosaic Image, DEM, DSM, DTM, Drinage system, Land use - Land cover
Sub-Total B						15,00,000	
C	GEOPHYSICAL SURVEY PHASE - I						
i)	Drone Magnetic Survey 30 sq km area (20 sq km @ 100m & 10 Sq km @ 50m line interval)	L. km	7a	6,000	500	30,00,000	30 Sq km area with 50m line interval and 500m tie lines = 7500 lkm
ii)	Gravity Survey detailed 50m station interval	Stations	3.1a	3,800	400	15,20,000	20 line kilometers survey over anomalous zones @50m spation interval
iii)	SP Survey @ 10m station interval	L.km.	3.3a	62,140	20	12,42,800	
iv)	Induced polarisation ((Dipole - Dipole) 10-20 line kilometers	L.km.	3.4a	69,950	20	13,99,000	20 line kilometers survey over anomalous zones @50m dipole spacing
v)	Geophysicist at HQ for related Geophysical work	day	3.18a	10,500	30	3,15,000	
Sub-Total C						74,76,800	
D	LABORATORY STUDIES - Surface Samples						
1	Chemical Analysis of Surface Samples						
i)	XRF (Major Oxides + traces - 24 elements) Testing of surface rock / soil samples	Nos	4.1.17a	4,200	50	2,10,000	
ii)	Check samples 10%	Nos	4.1.17a	4,200	5	21,000	
iii)	Surface Samples (Bed Rock/Channel/Ptting Samples) ICP-MS for base metal and other associated mineralisation	Nos	4.1.16f	7,400	250	18,50,000	
iii)	Check samples 10%	Nos	4.1.16f	7,400	10	74,000	

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iv)	Surface Samples (Bed Rock/Channel/Soil/Stream Sediment/ Pitting Samples) Precious metals (Gold & Silver) analysis by Fire Assay	Nos	4.1.5a	5,000	100	5,00,000		
v)	Check Samples 10%	Nos	4.1.5a	5,000	10	50,000		
2	Petrographic studies							
i)	Preparation of polished thin section of rock	Nos	4.3.2	800	20	16,000		
ii)	Complete petrographic / ore microscopic study / mineragraphic report	Nos	4.3.3	2,800	20	56,000		
iii)	EPMA studies	Hrs	4.4.1	10,500	4	42,000		
Sub-Total D						28,19,000		
Sub-Total A+B+C+D						1,53,61,742		
Phase II (Detailed work)								
E	GEOPHYSICAL SURVEY PHASE-II							Phase 1 is regional level work and will be done
i)	S.P. Survey @ 10m station intervals	L.km.	3.3a	62,140	20	12,42,800		
ii)	I. P. Survey	L.km.	3.4a	69,950	20	13,99,000	20 line kilometers survey over anomalous zones @50m dipole spacing	
iii)	Geophysicist at HQ for related Geophysical work	L.km.	3.18a	10,500	20	2,10,000		
Sub-Total E						28,51,800		
F	EXPLORATORY DRILLING							
i)	Drilling in Hard rock (Out source)	m	2.2.1.1d	10,000	1500	1,50,00,000	06 Nos of BH. Depth may vary between 100 to 300 m. BH Drilling as per MEMC rules for G3 stage exploration	
ii)	Land/Crop Compensation	Nos.	5.6	30,000	6	1,80,000	As per actuals	
iii)	Construction of concrete Pillar	per BH	2.2.7	2,000	6	12,000		

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iv)	Borehole plugging by cement	per borehole	2.2.8	10,000	6	60,000	
v)	Reimbursement of Technical Supervision cost in case of outsourced components of project work		6	Technical Supervision cost shall be 10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh.		15,00,000	Core preservation of 1 complete BH and remaining mineralised zone. 800 m to be preserved.
Sub-Total F						1,67,52,000	
G	GEOLOGICAL WORK						
i)	Geologist at HQ for related geological work	day	1.2.1a	10,500	20	2,10,000	
ii)	Geologist at field for related drilling activity (1 Geologist party)	day	1.2.1b	14,500	60	8,70,000	
iii)	2 labours/ party	day	5.8	541	120	64,920	
iii)	Charges for one Sampler (for Surface and Core sampling)	one sampler per day	1.2.1b	7,850	55	4,31,750	
iv)	Labours for sampling work (4 Nos)	day	5.8	541	220	1,19,020	
Sub-Total G						16,95,690	
H	LABORATORY STUDIES - Drill Core Samples						
1	Chemical Analysis of Drill Core Samples						
i)	Drill Core Samples (Bed Rock/Channel// Ptting Samples) - XRF (Major Oxides + traces - 24 elements) Testing	Nos	4.1.17a	4,200	50	2,10,000	
ii)	Check samples 10%	Nos	4.1.17a	4,200	5	21,000	
iii)	Drill Core Samples (Bed Rock/Channel/ Ptting Samples) ICP-MS for base metal and other associated mineralisation	Nos	4.1.16f	7,400	250	18,50,000	
iii)	Check samples 10%	Nos	4.1.16f	7,400	25	1,85,000	
iv)	Drill Core Samples (Bed Rock/Channel/Soil/ Stream Sediment/	Nos	4.1.5a	5,000	100	5,00,000	

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	Pitting Samples) Precious metals (Gold & Silver) analysis by Fire Assay						
v)	Check Samples 10%	Nos	4.1.5a	5,000	10	50,000	
2	Petrographic Studies - Drill Core Samples						
i)	Preparation of polished thin section of rock	Nos	4.3.2	800	10	8,000	
ii)	Complete petrographic / ore microscopic study / mineragraphic report	Nos	4.3.3	2,800	10	28,000	
iii)	EPMA studies	Hrs	4.4.1	10,500	5	52,500	
iv)	Specific Gravity measurement	Nos	4.8.1	2,500	5	12,500	
				Sub-Total G		29,17,000	
	Total Estimated Cost without GST					Sub-Total A+B+C+D+E+F+G+H	3,95,78,232
I	Preparation of Exploration Proposal	-	5.1	2% of the Cost or Rs. 5 Lakhs whichever is lower		5,00,000	
J	Geological Report Preparation	Cost per 5 Hard copies of report along with soft copy.	5.2	Reconnaissance Survey/ Preliminary exploration/General exploration/Detailed copy exploration exceeding ₹150 lakh: 7.5 Lakhs.	1	7,50,000	
K	3D Ore body modelling using software	as applicable	5.4	as per actuals (as per current market conditions 300000 to model ore body using 03 boreholes in one section)	0	0	Subject to encouraging outcomes as well as detailed delineation of blocks through drilling as per MEMC norms
	Total Estimated Cost without GST			Sub-Total A+B+C+D+E+F+G+I+J+K=		4,08,28,232	
	Provision for GST (18% of G)	%				73,49,082	GST will be reimburse as per actual and as per notified prescribed rate
				Total Estimated Cost with GST		4,81,77,314	
				or Say Rs. In Lakhs		481.77	

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

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

S. No.	Activities	Months																						
		1	2	3	First Review	4	5	6	Review - Decision for moving to next stage of exploration	7	8	9	Review - Decision for moving to next stage of exploration (PHASE 2)	10	11	12	Fourth Review	13	14	15				
1	Camp Mobilization & Setting	█				First Review					Review - Decision for moving to next stage of exploration					Review - Decision for moving to next stage of exploration (PHASE 2)					Fourth Review			
2	Geologist Work in HQ (1 Party) (Legacy data compilation & Interpretation - Planning surveys)	█																						
3	Geological mapping (1:12,500) & sampling	█	█	█																				
4	Drone Topographical Survey		█																					
5	Drone Magnetic Survey		█	█																				
6	Laboratory Studies (QA/QC & Analysis)			█																				
7	Data Integration & Target Generation			█																				
8	Geophysical Survey (SP, IP & Gravity- Phase 1)						█	█																
9	Geological mapping (1:4,000) & sampling						█																	
10	Pitting. Trenching							█	█															

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11	Geochemical data Analysis																		
12	Laboratory Studies (QAQC & Analysis)																		
13	Data Integration & Target Generation																		
14	Geophysical Survey (SP, IP & Gravity- Phase 2)																		
15	Data Integration & Drill Target Generation																		
16	Core Drilling																		
17	Geologist in field (1 Party)																		
18	Drill Core Logging, Sampling & Despatch to Lab (1 party)																		
19	Laboratory Studies (QAQC & Analysis)																		
20	Other Analysis & Geological Report preparation																		
21	Camp closing																		
22	Geological Report finalisation & Submission																		

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Agenda 88.2.13. Reconnaissance Survey (G-4) for Bauxite-Aluminous /Ferruginous Laterite and Associated Minerals in Hemal- Barpatoli Block, Amreli District, Gujarat.

[Implementing Agency: APC Drilling]

- a. The area is part of Toposheet No. 41 P/05 & 41 P/01
- b. The proposed area was preliminarily investigated during 1965-66 by the Directorate of Geology and Mining, Gujarat. Carried out trenching and drilling and estimated the geological resource of 1.46 million tons of bauxite. The chemical analysis results of samples from boreholes showed average Al₂O₃ of 53.70 % with SiO₂ around 6.76%.
- c. During the field season 1975-77, GSI carried out an investigation for concealed bauxite in the Mangrol Keshod area laterite belt in Junagadh district located on the western side of the proposed area. GSI drilled 85 drill holes and based on the surface and subsurface geological data, a total of ten pockets of concealed bauxite/ bauxitic clay deposits were delineated and estimated bauxite resources of around 2.43 million tons.
- d. CGM Gujarat has informed that the proposed Hemal Barpatoli Block (G-4) partially overlaps with the GL-45 Hemal Limestone block (G4, area: 9.88 sq. km) and GBAUX - 48 Chhelana Bauxite block (G4, area: 10.7 sq.km). Both these blocks GL-45 Hemal Limestone and GBAUX - 48 Chhelana Bauxite blocks pertains to the Workshop block on Gujarat's Mineral Wealth held on 17.08.2024 and also part of 42 blocks for which the NOC decision is currently under process. The proposed block also overlaps with the GCL-42 Kagvadar Clay/Limestone/Sandstone/Silica Sand Block (G-3, area: 0.29 sq. km). which also pertains to the said workshop. Further, the proposed block overlaps with four existing mineral leases, comprising two ordinary sand leases and two natural clay leases.
- e. CGM, Gujarat has informed that there are 42 applications received for exploration work including the Hemal- Barpatoli Block which is currently under process for allocation to various exploration agencies.
- f. APC drilling will submit the proposal and get approval/NoC from CGM, Gujarat. After getting approval from CGM, Gujarat, DPR may be submitted to TCC-1.
- g. CGM, Gujarat is requested to expedite the clearance.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any past or ongoing projects.
2.	MECL	Not received.
3.	AMD	NA
4.	State DMG/DGM/CGM	The proposed Block (G-4) partially overlaps with the GL-45 Hemal Limestone block GBAUX - 48 Chhelana Bauxite block. Both these blocks GL-45 Hemal Limestone and GBAUX - 48 Chhelana Bauxite blocks pertains to the Workshop block on Gujarat's Mineral Wealth held on 17.08.2024. and also part of 42 blocks for which the NOC decision is currently under process.

Recommendations of TCC-1:

The committee deferred the proposal and suggested for the submission of modified proposal after getting NOC from CGM-Gujarat. The TCC-1 also instructed CGM-Gujarat to expedite the process for granting of NOC.

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Agenda 88.2.14. Reconnaissance Survey (G-4) for Bauxite-Aluminous /Ferruginous Laterite and Associated Minerals in Talgajarda-Longadi Block, Bhavnagar District, Gujarat

[Implementing Agency: APC Drilling]

- a. The area is part of Toposheet No. 41 P/05 & 41 P/01
- b. The proposed area was preliminarily investigated during 1965-66 by the Directorate of Geology and Mining, Gujarat. Carried out trenching and drilling and estimated the geological resource of 1.46 million tons of bauxite. The chemical analysis results of samples from boreholes showed average Al₂O₃ of 53.70 % with SiO₂ around 6.76%.
- c. During the field season 1975-77, GSI carried out an investigation for concealed bauxite in the Mangrol Keshod area laterite belt in Junagadh district located on the western side of the proposed area. GSI drilled 85 drill holes and based on the surface and subsurface geological data, a total of ten pockets of concealed bauxite/bauxitic clay deposits were delineated and estimated bauxite resources of around 2.43 million tons.
- d. CGM Gujarat has informed that the proposed Hemal Barpatoli Block (G-4) partially overlaps with the GL-45 Hemal Limestone block (G4, area: 9.88 sq. km) and GBAUX - 48 Chhelana Bauxite block (G4, area: 10.7 sq.km). Both these blocks GL-45 Hemal Limestone and GBAUX - 48 Chhelana Bauxite blocks pertains to the Workshop block on Gujarat's Mineral Wealth held on 17.08.2024 and also part of 42 blocks for which the NOC decision is currently under process. The proposed block also overlaps with the GCL-42 Kagvadar Clay/Limestone/Sandstone/Silica Sand Block (G-3, area: 0.29 sq. km). which also pertains to the said workshop. Further, the proposed block overlaps with four existing mineral leases, comprising two ordinary sand leases and two natural clay leases.
- e. CGM, Gujarat has informed that there are 42 applications received for exploration work Talgajarda-Longadi Block which is currently under processes for allocation to various exploration agencies.
- f. APC drilling advised to submit the proposal and get approval/clearance from CGM, Gujarat. After getting approval from CGM, Gujarat, DPR may be submitted to TCC-1.
- g. CGM, Gujarat is requested to expedite the clearance.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any past or ongoing projects.
2.	MECL	NA.
3.	AMD	NA
4.	State DMG/DGM/CGM	The proposed Talgajarda-Longadi Block (G4 Stage) fully overlaps with the GBAUX-49 Longadi Bauxite Block (G4 level; area: 10.4 sq. km). GBAUX-49 Longadi Bauxite Block pertains to the Workshop block on Gujarat's Mineral Wealth held on 17.08.2024 and part of 42 blocks for which NOC decision is currently under process. Further, the proposed block overlaps with one existing mineral lease.

Recommendations of TCC-1:

The committee deferred the proposal and suggested for the submission of modified proposal after getting NOC from CGM-Gujarat. The TCC-1 also instructed CGM-Gujarat to expedite the process for granting of NOC.

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Agenda 88.2.8. Preliminary Exploration (G3) for Bauxite Resources in Tikirimali Block, District-Rayagada, Odisha

[Implementing Agency: M/s PRB Infraprojects Ltd.]

- a. The proposed block falls in Survey of India TS No. 65 M/04 and the the rock types exposed are Bauxite, Aluminous Laterite and Khondalite belonging to Eastern Ghat Mobile Belt.
- b. The area has been systematically mapped by GSI, in which Khondalite, Charnockite, Aluminous Laterite, and Bauxite have been reported.
- c. DGM-Odisha has carried out G4 exploration in Tikirimali and Burharajamali plateau during 2002-03 & 2013-14. The work has confirmed the presence of significant, metallurgical-grade bauxite with an inferred resource of ~6.9 & ~8.93 million tonnes in the year 2002-03 and 2013-14, respectively. Here, Al₂O₃ varies from 34% to 53%.
- d. The present exploration program (G3) has been formulated to delineate the occurrence of Bauxite- Aluminous /Ferruginous Laterite-Titanium- Vanadium and associated minerals and to assess the surface and subsurface mineral potential by PTS, collection of BRS and drilling of boreholes (7 nos.)
- e. The resource will be inferred as per UNFC norms & MEMC Rule- 2015 in the G3 Category (333).

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any past or ongoing projects.
2.	MECL	NA.
3.	AMD	NA
4.	State DMG/DGM/CGM	<i>DGM-Odisha sated that the State Govt is planning to auction for granting CL for G4 blocks of Bauxite. The block can't be taken due to the above-mentioned comments.</i>

Recommendations of TCC-1:

The committee deferred the proposal as the DGM, Odisha is planning to auction the area for granting CL.

Agenda 88.2.16. Preliminary exploration (G3) for Graphite in Kodabata Block, Rayagada District, Odisha

[Implementing Agency: MMPL Pvt. Ltd.]

- a. The project was recommended during 80th meeting of TCC-I. However, the recommendations of TCC-I was deferred, as the agency was de-notified.
- b. The agency got re-notification/re-accreditation recently. Hence, re-costing of the project as per SoC 2025 for the approved work quantum has been done.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) For Graphite in Kodabata Block, Rayagada District, Odisha" for approval of PSC, NMEDT with an estimated cost of Rs. 304.83 lakh (including GST) within time schedule of 12 months for carrying out the proposed work and submission of report as per Annexure – 7A & 7B. The item will be reviewed after 3 and 6 months.

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Preliminary Exploration (G3) for Graphite in Kodabata Block, Rayagada District, Odisha

Total area - 1.00 Sq.km; Borehole - 19 (9 BH first level + 10 BH second level) ; Meterage - 1400 m (450m first level+ 950m second level; 100 m spacing),
Period of completion - 12 months, Review - After 3 months (after mapping, trenching and SP survey) and 6 months or completion of 1st level drilling
alongwith analysis

SL.No	Item Of Work*	Unit*	Rate As Per NMET SOC 2025-26		Estimated Cost of the Proposal		Remarks
			SOC. Item No	Rate As Per SOC* (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	Detailed Geological Mapping Other Geological Work & Surveying		1.1 (b)	₹ 18,300.00	1	₹ 18,300.00	
	Geological mapping (1:2000), Trenching & Drilling work						
i	a. Charges for 2 Geologist per day (Field) for Geological mapping & Trenching work, drilling activity (without labour)	day	1.2.1a (b)	₹ 14,500.00	150	₹ 21,75,000.00	
ii	b. Labours charges; Base rate (for 2 labours per geologists)	day	5.8	₹ 541.00	300	₹ 1,62,300.00	
iii	c. Charges for Geologist per day (HQ)	day	1.2.1a (a)	₹ 10,500.00	30	₹ 3,15,000.00	
	Sub Total- A					₹ 26,70,600.00	
B	Trenching/Pitting						
i	Trenching	per cu.m	2.1.1	₹ 4,125.00	200	₹ 8,25,000.00	
	Sub Total- B					₹ 8,25,000.00	
C	Survey work						
i	Charges for one qualified surveyor (Topographic survey, surface contouring at specific interval)	day	1.3.1	₹ 10,500.00	30	₹ 3,15,000.00	

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ii	DGPS Survey for BH fixation & RL determination	Per Point of observation of observation	1.3.2	₹ 24,000.00	24	₹ 5,76,000.00	19 BH points + 5 Cardinal points
iii	Labours Charges for survey work; Base rate	day	5.8	₹ 541.00	120	₹ 64,920.00	
Sub Total- C						₹ 9,55,920.00	
D	Ground Geophysical Survey (in- house)						
i	Charge for SP survey (4 L km)	Line km (8-10 km)	3.3a	₹ 62,140.00	1	₹ 62,140.00	4 L Km
Sub Total- D						₹ 62,140.00	
E	Drilling (after review) (in-house)						
i	Systematic Drilling (Hard rock) (HQ) first level BH)	per m	2.2.1.1d	₹ 10,000.00	450	₹ 45,00,000.00	9 BH 1st level @30m vertical depth of intersection
ii	Systematic Drilling up to 1000 m (Hard rock) (HQ)	per m	2.2.1.1d	₹ 10,000.00	950	₹ 95,00,000.00	10 BH 2nd level @60m vertical depth of intersection (Subject to successful intersection in first level BH and subsequent approval of NMET-TCC review)
iii	Borehole deviation by multi shot camera	per shot	2.2.5	₹ 330.00	950	₹ 3,13,500.00	(Subject to successful intersection in first level BH and subsequent approval of NMET-TCC review)
iv	Land / Crop Compansation (in case the BH falls in agricultural Land)	per borehole	5.6	₹ 30,000.00	19	₹ 5,70,000.00	As per actuals as certified by local authorities subject to a maximum of 30000 per borehole
v	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	₹ 2,000.00	19	₹ 38,000.00	

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vi	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation	lumpsum	2.2.9 (3)	For Drilling cost more than 1 Crore and less than 2 Crores : 15% of the Drilling Cost with a maximum ceiling of ₹ 20 lakh		₹ 20,00,000.00	550 m core to be preserved
xii	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	₹ 7,850.00	76	₹ 5,96,600.00	
xiii	Charges for Labour	day	5.8	₹ 541.00	304	₹ 1,64,464.00	
Sub Total- E						₹ 1,76,82,564.00	
F	Laboratory Studies						
1	Chemical Analysis						
i)	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)						
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	50	₹ 1,80,700.00	
ii)	Surface Check samples (10% External)						
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	5	₹ 18,070.00	
iii)	Trench Samples						
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	100	₹ 3,61,400.00	
c	Analysis of one rock/ soil sample for determination of a package by 34 elements by ICP-AES / ICPMS (34 elements along with Cu, Pb, Zn, Fe, Ni, Co, Cr, Al, S, Bi etc.)	Nos	4.1.15	₹ 7,400.00	10	₹ 74,000.00	
iv)	Trench Check samples (10% External)						

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a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	10	₹ 36,140.00	
c	Analysis of one rock/ soil sample for determination of a package by 34 elements by ICP-AES / ICPMS (34 elements along with Cu, Pb, Zn, Fe, Ni, Co, Cr, Al, S, Bi etc.)	Nos	4.1.15	₹ 7,400.00	1	₹ 7,400.00	
v)	BH Core samples (first level BH)						
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	180	₹ 6,50,520.00	
vi)	BH Core samples (10%External) (first level BH)						
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	18	₹ 65,052.00	
v)	BH Core samples (Second level BH)						
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	200	₹ 7,22,800.00	
c	Analysis of one rock/ soil sample for determination of a package by 34 elements by ICP-AES / ICPMS (34 elements along with Cu, Pb, Zn, Fe, Ni, Co, Cr, Al, S, Bi etc.)	Nos	4.1.15	₹ 7,400.00	10	₹ 74,000.00	
vi)	BH Core samples (10%External) (Second level BH)						
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	20	₹ 72,280.00	
c	Analysis of one rock/ soil sample for determination of a package by 34 elements by ICP-AES / ICPMS (34 elements along with Cu, Pb, Zn, Fe, Ni, Co, Cr, Al, S, Bi etc.)	Nos	4.1.15	₹ 7,400.00	1	₹ 7,400.00	
2	Physical & Petrological Studies						
i	Preparation of Standard thin section of rock	Nos	4.3.1	₹ 500.00	10	₹ 5,000.00	

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ii	Complete petrographic/ ore microscopic study/ mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)	Nos	4.3.4	₹ 2,800.00	10	₹ 28,000.00	
iv	Bulk density analysis	Nos	4.8.3	₹ 2,500.00	5	₹ 12,500.00	
v	Total graphitic carbon (TGC)	Nos	-	₹ 2,500.00	20	₹ 50,000.00	As per actuals . The cost is given based on market research
Sub Total- F						₹ 23,65,262.00	
G	Total A to F					₹ 2,45,61,486.0 0	
H	Geological Report Preparation	5 Hard copies with a soft copy	5.2 (iii)	Total cost of the project exceeding ₹150 lakh: ₹7.5 lakh		₹ 7,50,000.00	Reimbursement will be made after submission of the Final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
I	Peer review Charges	As per EC decision		₹ 30,000.00	1	₹ 30,000.00	
J	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is less		₹ 4,91,229.72	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
L	Total Estimated Cost without GST					₹ 2,58,32,715.7 2	
M	Provision for GST (18% of L)					₹ 46,49,888.83	GST will be reimbursed as per actual and as per notified prescribed rate

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N	<i>Total Estimated Cost with GST</i>				30482604.55	
0	<i>Rs. In Lakhs</i>				304.8260455	
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.					
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.					
5	Any item of work not mentioned above shall be added as per SoC.					
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency					

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Time Schedule/Action Plan for Preliminary Exploration (G3) For Graphite In Kodabata Block, Rayagada District, Odisha

S.No.	Nature of Work	Months												
		1	2	3	4	5	6	7	8	9	10	11	12	
1	Camp Set up													
2	Detailed Geological mapping (sq km) (1:2000)													
3	Topographic survey- DGPS/ Total station/Drone (1:2000)													
4	Geophysical survey (SP survey) (L.km)													
5	Surface exploration-Trenching (cu. m)													
6	Bed rock samples (nos.)													
7	Trench samples (nos.)													
8	DGPS survey for fixation of borehole and cardinal points													
9	Systematic (100*100 spacing) Sub surface exploration – Drilling (m)													
10	Receipt of analyses and processing of analytical data													
11	GR preparation													

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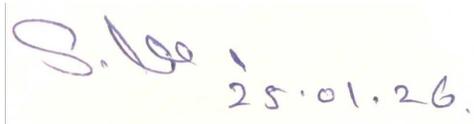
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Agenda 88.2.17. Preliminary exploration (G3) for Graphite in Saharha Block, Rayagada District, Odisha
[Implementing Agency: MMPL Pvt. Ltd.]

- a. The project was recommended during 80th meeting of TCC-I. However, the recommendations of TCC-I was deferred, as the agency was de-notified.
- b. The agency got re-notification/re-accreditation recently. Hence, re-costing of the project as per SoC 2025 for the approved work quantum has been done.

Recommendations of TCC-1:

The committee recommended the proposal titled “Preliminary Exploration (G3) for Graphite in Saharha Block, Rayagada District, Odisha” for approval of PSC, NMEDT with an estimated cost of Rs. 325.72 lakh (including GST) within time schedule of 12 months for carrying out the proposed work and submission of report as per Annexure – 8A & 8B. The item will be reviewed after 3, 6 and 8 months.

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Estimated Cost for Preliminary Exploration (G3) For Graphite In Saharha Block, Rayagada District, Odisha Total area - 2.10 Sq.km; Borehole 20 [10 first level, after 1st review (04 in Western and 06 in Eastern zone) + 10 second level, after 2nd review] , Meterage - 1600 (600 m first level+ 1000 m second level), Period of completion - 12 months, Review -1st review after 3 months (after Geological mapping, Trenching and GP Survey); 2nd review after 6 months (after completion of 1st level of drilling); 3rd review after 8 months (after completion of 2nd level of drilling)						
SL.No	Item Of Work*	Unit*	Rate As Per NMET SOC 2020-21		Estimated Cost of the Proposal	
			SOC. Item No	Rate As Per SOC* (a)	Qty. (b)	Total Amount (Rs) (a*b)
A	Detailed Geological Mapping Other Geological Work & Surveying		1.1 (b)	₹ 18,300.00	2.10	₹ 38,430.00
	Geological mapping (1:2000), Trenching & Drilling work					
i	a. Charges for 2 Geologist per day (Field) for Geological mapping & Trenching work, drilling activity (without labour)	day	1.2.1a (b)	₹ 14,500.00	150	₹ 21,75,000.00
ii	b. Labours charges; Base rate (for 2 labours per geologists)	day	5.8	₹ 541.00	300	₹ 1,62,300.00
iii	c. Charges for Geologist per day (HQ)	day	1.2.1a (a)	₹ 10,500.00	30	₹ 3,15,000.00
	Sub Total- A					₹ 26,90,730.00
B	Trenching/Pitting					
i	Trenching	per cu.m	2.1.1	₹ 4,125.00	200	₹ 8,25,000.00
	Sub Total- B					₹ 8,25,000.00
C	Survey work					
i	Toposurvey Charges for one qualified surveyor	day	1.3.1	₹ 10,500.00	30	₹ 3,15,000.00
ii	DGPS Survey for BH fixation & RL determination	Per Point of observation of observation	1.3.2	₹ 24,000.00	24	₹ 5,76,000.00
iii	Labours Charges for survey work; Base rate	day	5.8	₹ 541.00	120	₹ 64,920.00
	Sub Total- C					₹ 9,55,920.00

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D	Ground Geophysical Survey (in-house)					
i	Charge for SP survey	Line km	3.3a	₹ 62,140.00	3	₹ 1,86,420.00
	Sub Total- D					₹ 1,86,420.00
E	Drilling (after review) (in-house)					
i	Systematic Drilling (Hard rock) (HQ) in first Level	per m	2.2.1.1d	₹ 10,000.00	600	₹ 60,00,000.00
ii	Systematic Drilling up to 1550 m (Hard rock) (HQ) in second Level	per m	2.2.1.1d	₹ 10,000.00	1000	₹ 1,00,00,000.00
iii	Borehole deviation by multi shot camera	per m	2.2.5	₹ 330.00	500	₹ 1,65,000.00
iv	Land / Crop Compansation (in case the BH falls in agricultural Land)	per borehole	5.6	₹ 30,000.00	20	₹ 6,00,000.00
v	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	₹ 2,000.00	20	₹ 40,000.00
vi	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation	lumpsum	2.2.9 (3)	For Drilling cost more than 1 Crore and less than 2 Crores : 15% of the Drilling Cost with a maximum ceiling of ₹ 20 lakh		₹ 20,00,000.00
xii	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	₹ 7,850.00	70	₹ 5,49,500.00
xiii	Charges for Labour	day	5.8	₹ 541.00	280	₹ 1,51,480.00
	Sub Total- E					₹ 1,95,05,980.00
F	Laboratory Studies					
1	Chemical Analysis					
i)	Trench Samples					
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	100	₹ 3,61,400.00
ii)	Trench Check samples (10% External)					
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	10	₹ 36,140.00

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iii)	BH Core samples (first level BH)					
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	150	₹ 5,42,100.00
iv)	BH Core samples (10%External) (first level BH)					
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	15	₹ 54,210.00
v)	BH Core samples (Second level BH)					
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	250	₹ 9,03,500.00
c	Analysis of one rock/ soil sample for determination of a package by 34 elements by ICP-AES / ICPMS (34 elements along with Cu, Pb, Zn, Fe, Ni, Co, Cr, Al, S, Bi etc.)	Nos	4.1.15	₹ 7,400.00	10	₹ 74,000.00
vi)	BH Core samples (10%External) (Second level BH)					
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	25	₹ 90,350.00
c	Analysis of one rock/ soil sample for determination of a package by 34 elements by ICP-AES / ICPMS (34 elements along with Cu, Pb, Zn, Fe, Ni, Co, Cr, Al, S, Bi etc.)	Nos	4.1.15	₹ 7,400.00	1	₹ 7,400.00
2	Physical & Petrological Studies					
i	Preparation of Standard thin section of rock	Nos	4.3.1	₹ 500.00	10	₹ 5,000.00
ii	Complete petrographic/ ore microscopic study/ mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Nos	4.3.4	₹ 2,800.00	10	₹ 28,000.00
iv	Bulk density analysis	Nos	4.8.3	₹ 2,500.00	3	₹ 7,500.00
v	Total graphitic carbon	Nos	-	₹ 2,500.00	20	₹ 50,000.00
	Sub Total- F					₹ 21,59,600.00
G	Total A to F					₹ 2,63,23,650.00
H	Geological Report Preparation	5 Hard copies with a soft copy	5.2 (iii)	Total cost of the project exceeding ₹150 lakh: ₹7.5 lakh		₹ 7,50,000.00

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I	Peer review Charges	As per EC decision		₹ 30,000.00	1	₹ 30,000.00
J	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		₹ 5,00,000.00
L	Total Estimated Cost without GST					₹ 2,76,03,650.00
M	Provision for GST (18% of L)					₹ 49,68,657.00
N	Total Estimated Cost with GST					₹ 3,25,72,307.00
O	Rs. In Lakhs					₹ 325.72
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.					
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.					
5	Any item of work not mentioned above shall be added as per SoC.					
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency					

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Time Schedule/Action Plan for Preliminary Exploration (G3) For Graphite In Saharha Block, Rayagada District, Odisha

S.No	Nature of Work	Months											
		1	2	3	4	5	6	7	8	9	10	11	12
1	Camp Set up	█											
2	Detailed Geological mapping (sq km) (1:2000)	█	█										
3	Topographic survey- DGPS/ Total station/Drone (1:2000)	█	█										
4	Geophysical survey (SP survey) (L.km)			█									
5	Surface exploration-Trenching (cu. m)			█	█	█							
6	Bed rock samples (nos.)				█	█	█						
7	Trench samples (nos.)				█	█	█						
8	DGPS survey for fixation of borehole and cardinal points							█					
9	Systematic (100*100 spacing) Sub surface exploration – Drilling (m)							█	█		█		
10	Receipt of analyses and processing of analytical data					█	█	█	█		█	█	█
11	GR preparation										█	█	█

REVIEW

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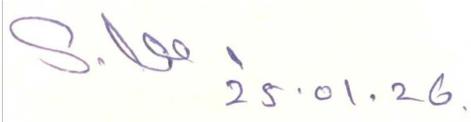
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Agenda 88.2.18. Reconnaissance survey (G4) for REE and other Critical minerals in Udaipur – Ramgarh area, Surguja District, Chhattisgarh
[Implementing Agency: MMPL Pvt. Ltd.]

- a. The project was recommended during 80th meeting of TCC-I. However, the recommendations of TCC-I was deferred, as the agency was de-notified.
- b. The agency got re-notification/re-accreditation recently. Hence, re-costing of the project as per SoC 2025 for the approved work quantum has been done.

Recommendations of TCC-1:

The committee recommended the proposal titled “Reconnaissance Survey (G4) for REE, RM and Other Critical Minerals in Udaipur-Ramgarh area, Surguja District, Chhattisgarh” for approval of PSC, NMEDT with an estimated cost of Rs. 134.93 lakh (including GST) within time schedule of 12 months for carrying out the proposed work and submission of report as per Annexure – 9A & 9B. The item will be reviewed after 4 and 8 months.

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Annexure 9A

Reconnaissance Survey (G4) for REE, RM and Other Critical Minerals in Udaipur-Ramgarh area, Sarguja District, Chhattisgarh
Total area: 150 sq km, Period of Completion: 12 months BH:5nos. , Total Drilling: 200 m , Review: After 4 & 8 months

S. No.	Item of Work *	Unit *	Rates as per NMET SoC (2025-26)		Estimated Cost of the Proposal	
			SoC-Item No.*	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs)
A	Geological Mapping Other Geological Work & Surveying					
	Geological mapping, (1:12,500 scale) & Trenching , drilling work		1.1	18300	150	2745000
i	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a(b)	14,500	20	290000
ii	b. Labours Charges	day	5.8	541	40	21640
	c. Charges for Geologist per day (HQ)	day	1.2.1a(a)	10,500	45	472500
	Sub Total- A					3529140
B	Survey work					
a	DGPS Survey for BH fixation & RL determination	Per Point of observation of observation	1.3.2	24,000	5	120000
	Sub-Total B					1,20,000
C	Trenching/Pitting					
	Pitting	per cu.m	2.1.2	4,725	200	945000
	Sub Total C					945000
D	DRILLING (after review)- In -house					
1	Drilling for Coal/ drilling in soft rock/strata	m	2.2.1.1c	5,500	200	1100000

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2	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	5	150000
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	5	10000
4	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation	lumpsum	2.2.9 (1) 200 m core to be preserved	For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost		275000
10a	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	58	455300
10b	Labours (4 Nos)	day	5.8	541	232	125512
Sub Total D						2115812
E	LABORATORY STUDIES					
1	Chemical Analysis					
i)	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)					
	a. Analysis of major oxides and trace samples by XRF	Nos	4.1.17a	4,200	20	84000
	Analysis of one rock/ soil sample for determination of a package by 34 elements by ICP-AES / ICPMS (sequential technique)		4.1.15	7,400	400	2960000
ii)	Surface Check samples (10% External)					
	a. Analysis of major oxides and trace samples by XRF	Nos	4.1.17a	4,200	2	8400
	Analysis of one rock/ soil sample for determination of a package by 34 elements by ICP-AES / ICPMS (sequential technique)		4.1.15	7,400	40	296000
2	Physical & Petrological Studies					

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i	Preparation of thin section	Nos	4.3.1	500	10	5000
ii	Study of thin section along with digital photographs	Nos	4.3.4	2,800	10	28000
iii	Separation of heavy minerals from stream sediment samples of - 2mm size through gravity and magnetic separation	Nos	4.3.6b	13,820	50	691000
iv	Preparation of polish section	Nos	4.3.2	800	10	8000
v	study of polished section along with digital photographs	Nos	4.3.4	2,800	10	28000
vi	Bulk density analysis	Nos	4.8.3	2,500	5	12500
	EPMA Lab					
i	EPMA Studies per hour	hrs	4.4.1	10,500	10	105000
	Total E					4225900
F	Total A to E					1,09,35,852
G	Geological Report Preparation	5 Hard copies with a soft copy	5.2 (ii)	Total cost exceeding ₹50 lakh but less than 150 lakh: ₹2.5 lakh		250000
H	Peer review Charges		As per EC decision	30,000	1	30,000
I	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		218717
J	Total Estimated Cost without GST					1,14,34,569
K	Provision for GST (18% of J)					2058222
L	Total Estimated Cost with GST					1,34,92,791

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				Rs. In Lakhs	134.93
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.				
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.				
5	Any item of work not mentioned above shall be added as per SoC.				

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Time Schedule/ Action Plan for Reconnaissance Survey (G4) for REE, RM and Other Critical Minerals in Udaipur-Ramgarh area, Sarguja District, Chhattisgarh

Item of work	Months											
	1	2	3	4	5	6	7	8	9	10	11	12
Camp Setup												
Detailed Mapping (1:4000)												
Bed Rock Sampling												
Geochemical Survey												
Pitting and sampling												
Chemical analysis of surface samples												
Scout Drilling / systematic drilling												
Core sampling and its preparation												
Chemical analysis of Core Samples												
Processing of Analytical data												
Preparation of geologcial report												

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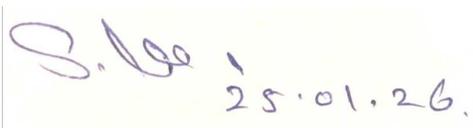
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Agenda 88.2.19. Preliminary Exploration (G3 Stage) of graphite in Belkurta area, Balrampur District, Chhattisgarh
[Implementing Agency: MMPL Pvt. Ltd.]

- a. The area is part of toposheet no. 64M/05 and Part of western extension of Chhotanagpur Granite Gneissic Complex (CGGC).
- b. Reconnaissance survey (G4 Stage) for graphite in Dindo-Belkurta-Basera area, Balrampur district, Chhattisgarh under NMET by MMPL.
- c. The proposal is an upgration of the G4 stage investigation Dindo-Belkurta-Basera area to carry out G3 stage exploration within the potential G4 area.
- d. Based on the surface and subsurface evidences graphite schist along with graphite bearing mica schist extend from Vimtapur in the west to Belkurta in the east of the proposed block as more or less continuous band. Bands appear intermittently and the total strike length of the mineralized zone is almost 2.7 km and the maximum and minimum thicknesses of the bands intersected were 12 m and 0.62 m. The average FC% for the bands varies from 2.01% to 8.45%.
- e. A resource of 0.100 million tonne has been estimated by MMPL at 3.34 % weighted average FC.
- f. MMPL has recommended a block of 1.83 sq. km area for upgrading into G-3 stage of investigation. The precise location, extent (strike, dip and depth persistence) and resource of the graphite mineralization of the prospect need to be verified in G-3 stage of investigation.
- g. The work will be carried out in two phases.
 - i. **Phase-I-** Detailed mapping in 1:2000 scale with systematic surface sampling, trenching and delineation of graphitic zones.
 - ii. **Phase-II-** Systematci drilling at 200 m interval with few second level boreholes.
- h. Since it is a G3 stage auctionable block, comments from DMG, Chhattisgarh to be obtained.

Recommendations of TCC-1:

The committee recommended the proposal titled "Preliminary Exploration (G3) for graphite in Belkurta Block, District: Balrampur, Chhattisgarh" for approval of PSC, NMEDT with an estimated cost of Rs. 274.14 lakh (including GST) within time schedule of 12 months for carrying out the proposed work and submission of report as per Annexure – 10A & 10B. The item will be reviewed after 3, 6 and 9 months.

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Preliminary Exploration (G3) for graphite in Belkurta Block, District Balrampur, Chhattisgarh
Area 1.83 sq. km, No.of BH:18, [16 first level (60 m depth) 2 second level of Borehole depth range (100 m depth)] - 1200 m; Schedule timeline- 12
months Review: After 3rd Months (Ist Phase) and 6th months (Second Phase) 9th month

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
Ist Phase (Detailed Mapping, trenching, Totographic Survey, Geophysical Survey and chemical analysis)							
A	Geological Mapping Other Geological Work & Surveying						
i	Detailed Geological mapping, (1:2000 scale with contouring) & Trenching , drilling work	Per Sq Km	1.1	18,300	1.83	33,489	
ii	Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work (without Labour)	day	1.2 b	14,500	140	20,30,000	Including drilling, mapping sampling trenching (all field components)
iii	Labours Charges; Base rate	day	5.8	541	280	1,51,480	
iv	Charges for Geologist per day (HQ)	day	1.2 a	10,500	40	4,20,000	
v	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	65	5,10,250	Trench and Core sample (Samples of both the phases)
vi	Labours (4 Nos)	day	5.8	541	260	1,40,660	
	Sub Total- A					32,85,879	
B	Ground Geophysical Survey						
1	Sp Survey	line km	3.3a	62,140	3	1,86,420	Closed space (100 m interval)

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	Sub Total- B					1,86,420	
C	Trenching/Pitting						
	a) Excavation of Trenches	per cu.m	2.1.1	4,125	300	12,37,500	
	Sub-Total C					12,37,500	
D	LABORATORY STUDIES						
1	Chemical Analysis						
i	Proximate analysis for graphite (trench samples)	per sample	4.1.18	3,614	150	5,42,100	
ii	analysis of rock sample for quantitative analysis of 14 REE elements +9 trace elements by ICP-MS	Nos	4.1.15	7,400	10	74,000	
iii	Surface Check samples (10% External)	Nos	4.1.18	3,614	15	54,210	
iv	Check samples (10% External) analysis of 34 elements by ICPMS	Nos	4.1.15	7,400	1	7,400	
2	Physical & Petrological Studies					-	
i	Preparation of thin section	Nos	4.3.1	500	10	5,000	
ii	Study of thin section	Nos	4.3.4	2,800	10	28,000	
iii	Preparation of polish section	Nos	4.3.2	800	10	8,000	
iv	study of polished section	Nos	4.3.4	4,232	10	42,320	
vi	PCS analysis (WD XRF)- (oxides+ trace-24 elements)	Nos	4.1.17a	4,200	5	21,000	
vii	Sp. Gravity	Nos	4.8.1	2,500	3	7,500	

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viii	Raman spectroscopy	per hr	4.5.1	2,700	3	8,100	
	Sub-Total D					7,97,630	
E	Survey work						
a	DGPS Survey for BH fixation & RL determination and lease boundary demarcation	Per Point of observation	1.3.2	24,000	22	5,28,000	4 cardinal points+ BH of 2nd phase
b	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc.	one surveyor per day	1.3.1	10,500	25	2,62,500	
c	Labours Charges for survey work;	day	5.8	541	100	54,100	
	Sub-Total E					8,44,600	
	Ist Phase Total					63,52,029	
IInd Phase (Systematic Drilling Borehole fixation and chemical analysis)							
F	DRILLING_In-house (after review)						
1	Systematic Drilling up to 300m (Hard Rock)	m	2.2.1.1d	10,000	1,200	1,20,00,000	No.of BH:18, [16 first level (60 m depth) 2 second level of Borehole depth range (100 m depth)] - 1200 m
2	Borehole deviation Survey by Multishot Camera	m	2.2.5	330	30.00	9,900	
3	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	18	5,40,000	

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4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	18	36,000	
5	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and <u>Drill core preservation</u>)	Lumpsum	2.2.9	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation)	For Drilling cost more than 1 Crore and less than 2 Crores : 15% of the Drilling Cost with a maximum ceiling of ₹ 20 lakh.	18,00,000	400 m core to be preserved (1 complete BH and other mineralised zone)
Sub-Total F						1,43,85,900	
H	LABORATORY STUDIES						
1	Chemical Analysis						
i	Proximate analysis for graphite (Core samples)	per sample	4.1.18	3,614	300	10,84,200	
ii	analysis of rock sample for quantative analysis of 14 REE elements +9 trace elements by ICP-MS	Nos	4.1.15	7,400	10	74,000	
iii	Core Check samples (10% External)	Nos	4.1.18	3,614	30	1,08,420	

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iv	b. analysis of 34 elements by ICPMS	Nos	4.1.15	7,400	1	7,400	
	Total H					12,74,020	
	II nd Phase total					1,56,59,920.00	
	Total Ist phase and II Phase					2,20,11,949.00	
I	Geological Report Preparation	5 Hard copies with a soft copy	5.2	5.2 (iii)		7,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
J	Peer review Charges		As per EC decision			30,000	
K	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is less		4,40,239	EA will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
	Total Estimated Cost without GST					2,32,32,188	
	Provision for GST (18%)					41,81,794	GST will be reimburse as per actual and as per notified prescribed rate
	Total Estimated Cost with GST					2,74,13,982	
				or Say Rs. In Lakhs		274.14	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						

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2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement
3	If any part of the project is outsourced, the amount will be reimbursed of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency

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Time schedule/ work plan for Preliminary Exploration (G3 Stage) for graphite in Belkurta Block, District Balrampur, Chhattisgarh

Sl. No.	Item of Work	Months												
		1	2	3	4	5	6	7	8	9	10	11	12	
1	Camp Setup	█												
2	Detailed Mapping (1:2000)	█	█											
3	Bed Rock Sampling	█	█	█	█									
4	Geophysical survey		█	█	█									
5	Trenching Pitting		█	█	█									
6	Chemical analysis of surface samples		█	█	█									
7	systematic drilling first level						█	█	█	█				
8	Core sampling and its preparation							█	█	█	█			
9	Chemical analysis of Core Samples								█	█	█			
10	Processing of Analytical data										█	█		
11	3D ore body modeling										█	█		
12	Preparation of geological report with peer review										█	█	█	

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Agenda 88.3: Review of Ongoing Baseline Projects & Timeline Extension

Agenda 88.3.1. Engaging a Technical Supervision and Quality Control (TS-QC) consultant for Monitoring of Quality Assurance/Quality control (QA/QC) of the Multi-sensor Aerogeophysical Surveys over Blocks- 15 under Phase-II of National Airborne Geophysical Mapping Programme (NAGMP)

[Implementing Agency: GSI]

- a. GSI has engaged M/s IDPeX Private Limited as the Technical Supervision and Quality Control (TS-QC) consultant for Monitoring of Quality Assurance/Quality control (QA/QC) of the Multi-sensor Aerogeophysical Surveys over Blocks-15 under Phase-II of National Airborne Geophysical Mapping Programme (NAGMP). MoU signed on 19-02-2024 which will expire on 28-02-2026.
- b. Compilation and Processing of 100% data has been completed and Final Grids approved by TSQC.
- c. Data integration and interpretation work under progress.
- d. TS-QC has to carry out compilation and interpretation of legacy data of adjoining areas of Block-15 for which they requested for extension of timeline for 3 months (01.03.2026 to 31.05.2026)

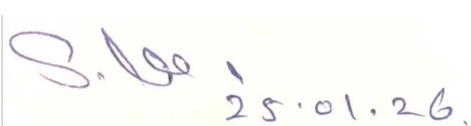
Recommendations of TCC-1:

The committee recommended the timeline extension of *three months from 01.03.2026 to 31.05.2026 for approval of the PSC, NMEDT.*

Agenda 88.3.2. Aerogeophysical survey over NAGMP Blocks 13, 18 & 21 under approved projects titled “Multi-Sensor Aero-geophysical Survey Block 13”, “Multi-Sensor Aero-geophysical Survey Block 18” and “Multi-Sensor Aero-geophysical Survey Block 21

[Implementing Agency: GSI]

- a. GSI has informed that proposal for Phase-II NAGMP survey over Blocks 13 to 22 was recommended in the 26th TCC and approved in 21st EC meeting held on 19th July, 2021.
- b. Administrative approval obtained from MoM vide file No.M-I-11/30/2022-Mines I dated 27.09.2023 for floating the following two tenders with the revised estimated cost:
 - ❖ Group-A Blocks 16, 17, 19 & 20: Rs. 96,72,64,733/-
 - ❖ Group-B Blocks 13, 18 & 21: Rs. 89,20,14,805/-
- c. Group-A Blocks 16, 17, 19 & 20 approved (95.04 cr) in 35th EC meeting held on 16th, May, 2024
- d. Financial approval from MoM for revised cost of Phase-II (Blocks13-21) for 263.84 Cr received on 5th Aug, 2024
- e. The tender for Group-B NAGMP Blocks 13, 18 & 21 was floated through GeM on **16.11.2023**
- f. M/s Xcalibur McPhar Private Limited, Mumbai was the L1 bidder with a price of Rs. **101,89,89,058/-**, which was **14.2 %** higher than the estimated value and was approved by NMEDT on **19.08.2024**.
- g. Since M/s Xcalibur McPhar Private Limited refused to sign the contract, tender had to be cancelled.
- h. After obtaining approval from the competent authority, the tender was re-floated on 09.06.2025.
- i. Total five bids were received. Three bidders were technically qualified.

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- j. M/s Saarthi Airways Private Limited, India, in consortium with M/s GPX Surveys Pty Ltd (Australia), M/s Thomson Airborne Pty Ltd (Australia) and M/s GPX Surveys Pvt. Ltd., India, is the L1 bidder with a price of INR **93,48,31,516/-** (inclusive of GST @ 18%).
- k. This L1 price is **4.8%** higher than the estimated cost which was INR **89,20,14,805/-**
- l. Hence GSI has requested Financial Sanction of INR 93,48,31,516/- (inclusive of GST @ 18%), to carry out aerogeophysical surveys over NAGMP Blocks 13, 18 & 21 with the selected Project Implementing Agency (PIA), M/s Saarthi Airways Private Limited, India, in consortium with M/s GPX Surveys Pty Ltd (Australia), M/s Thomson Airborne Pty Ltd (Australia) and M/s GPX Surveys Pvt. Ltd., India.
- m. Contract Timeline duration of 36 months from the date of signing of MoA.

Recommendations of TCC-1:

The committee recommended financial sanction of ₹93,48,31,516/- inclusive of GST, for approval of EC, NMEDT to carry out Multi-Sensor Aero-geophysical Survey over NAGMP blocks 13, 18 & 21 by engaging M/s Saarthi Airways Private Limited, India in collaboration with M/s GPX Surveys Pty. Ltd. (Australia), M/s Thomson Airborne Pty Ltd (Australia) and M/s GPX Surveys Pvt. Ltd., India using NMEDT fund.

The proposal is recommended for the approval of EC with a timeline of 36 months from the date of signing of MoA.

The committee recommended the financial sanction under approved projects titled “Multi-Sensor Aero-geophysical Survey Block 13”, “Multi-Sensor Aero-geophysical Survey Block 18” and “Multi-Sensor Aero-geophysical Survey Block 21.

Agenda 88.3.3. PIA for Multi-sensor aero-geophysical surveys over blocks 15 in adjoining Obvious Geological Potential (OGP) areas under National Airborne Geophysical Mapping Programme (NAGMP)

[Implementing Agency: GSI]

- a. GSI has engaged M/s Xcalibur McPhar Private Limited as PIA. The contract signed on 17-02-2023 and extended up to 28-02-2026
- b. It was informed that the Survey operations were affected because of non-availability of flying permissions by ATC/Air Force due to the raised security threat level caused due to border disturbances and adverse weather conditions.
- c. Data acquisition was Completed in November-2025
- d. Data interpretation and generation of maps, reports and GSI & TS-QC review will be completed 3 months from Dec, 2025 to Feb, 2026.
- e. For Organization of Workshop Final revisions, printing binding, approval and final deliverables will require two months’ extension up to May, 2026. (01.03.2026 to 30.04.2026).

Recommendations of TCC-1:

The committee recommended timeline extension from 01.03.2026 to 30.04.2026 for approval of PSC, NMEDT.

Agenda 88.4: Technical Evaluation of In Principle Project Proposals

Agenda 88.4.1. Preliminary Exploration (G3) of REE -Bearing Minerals in Lakhojan block, Karbi Anglong District, Assam

[Implementing Agency: Indian Mine Planner and Consultancy]

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- a. The proposed area falls in part of T.S. no. 83F/10.
- b. The proposed Lakhojan Block is situated in the northeastern part of the Lakhojan area which is underlain by the migmatitic gneisses of the Assam Meghalaya Gneissic Complex (AMGC) along with phyllites quartzites and schists belonging to the Shillong Group, and late Proterozoic granitoids.
- c. Geochemical mapping during FS 2014-15 reported anomalous value of Σ REE up to 2775 ppm in Lakhojan area from stream sediment samples of T S no 83 F/10. Further work reported high TREE values, average of 3643 ppm, from pink porphyritic granites.
- d. Reconnaissance Survey (G4) work carried out by GSI estimated total REE resources of 33.90 million tonnes with an average total REE grade of 818.84.
- e. The committee reviewed the proposal and agreed for in-principle approval.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any ongoing projects. In past G4 work has been carried out.
2.	MECL	Not received.
3.	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block and does not have any ongoing projects.
4.	State DMG/DGM/CGM	Regarding any lease for minor and major minerals, there is no mining lease in the abovementioned areas. Moreover, DGM, Assam has not taken any exploration project in any mineral for the area mentioned above.
5.	NMEDT	No overlapping with earlier exploration projects of other agency and NMEDT.

Recommendations of TCC-1:

The committee approved the proposal in principally and suggested the agency to bring DPR in forthcoming TCC meetings.

Agenda 88.4.2. Preliminary Exploration (G3) of REE -Bearing Minerals in Rangali block, Karbi Anglong District, Assam

[Implementing Agency: Indian Mine Planner and Consultancy]

- a. The proposed area falls in part of T.S. no. 83F/10.
- b. The proposed Rangali Block is situated in the northeastern part of the Lakhojan area which is underlain by the migmatitic gneisses of the Assam Meghalaya Gneissic Complex (AMGC) along with phyllites quartzites and schists belonging to the Shillong Group, and late Proterozoic granitoids.
- c. The targeted Rangali block located in the northeastern part of the Lakhojan area, covers a total area of 1.65 sq km.
- d. Geochemical mapping during FS 2014-15 reported anomalous value of Σ REE up to 2775 ppm in Lakhojan area from stream sediment samples of T S no 83 F/10. Further work reported high TREE values, average of 3643 ppm, from pink porphyritic granites.
- e. Reconnaissance Survey (G4) work carried out by GSI estimated total REE resources of 33.90 million tonnes with an average total REE grade of 818.84.

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- f. Reconnaissance Survey (G4 of this Rangali block contributes approximately 17.26% (5.85 million tonnes) of the total estimated 33.90 million tonnes highlighting its significance as a highly enriched zone.
- g. The average REE grade in Rangali Block is 907.30 ppm and the average REE₂O₃ value is 1060.63 ppm
- h. The committee reviewed the proposal and agreed for in-principle approval.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any ongoing projects. In past G4 work has been carried out.
2.	MECL	Not received.
3.	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block and does not have any ongoing projects.
4.	State DMG/DGM/CGM	Regarding any lease for minor and major minerals, there is no mining lease in the abovementioned areas. Moreover, DGM, Assam has not taken any exploration project in any mineral for the area mentioned above.
5.	NMEDT	No overlapping with earlier exploration projects of other agency and NMEDT.

Recommendations of TCC-1:

The committee approved the proposal in principally and suggested the agency to bring DPR in forthcoming TCC meetings.

Agenda 88.4.3. Reconnaissance survey (G4) of Limestone in Godhada block, Gujarat [Implementing Agency: Indian Mine Planner and Consultancy]

- a. The proposed area falls in part of T.S. no. 45D/15 and 45D/16 and exposes rocks of Crystalline limestone, calc silicate and impure marble of Todgarh Formation of Kumbhalgarh Group of Delhi Supergroup, of Lower to Middle Proterozoic age.
- b. CGM Gujarat in their comments informed that the proposed block completely overlaps with the Ambaji Base Metal Block (G4) for which NoC has already been issued to MECL.
- c. The committee reviewed the overlapping status as mentioned by CGM Gujarat and opined that the proposal could not be approved.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any ongoing or past projects.
2.	MECL	Not received.
3.	AMD	NA
4.	State DMG/DGM/CGM	The proposed block completely overlaps with the Ambaji Base Metal Block (G4) for which NoC has already been issued to MECL.

Recommendations of TCC-1:

The committee did not approve the proposal.

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Agenda 88.5: Review of Ongoing Exploration Projects & Timeline Extension

Agenda 88.5.1. Preliminary Exploration (G-3 Level) for Limestone in Jaharitola (3.34 sq. km) and Mundatola (4.34 sq.km) Blocks, Sundargarh District, Odisha [Implementing Agency: MECL]

- a. MECL informed that the project was approved in the 37th EC Meeting held on 23rd September, 2024. The sanction order was issued on 23rd October, 2024 with timeline of 12 months (up to 22.10.2025) and approved cost was INR 2,85,75,457/-.
- b. The project outcomes were reviewed during the 75th meeting of the TCC-I, NMEDT. The analytical results of bedrock samples demonstrated by MECL during the review is given below.

	CaO%	MgO%	SiO ₂ %	Fe ₂ O ₃ %	Al ₂ O ₃ %	SO ₃ %	P ₂ O ₅ %	K ₂ O%	Na ₂ O%	LOI%
Min.	0.39	0.73	1.37	1.01	0.33	0.01	0.01	0.10	0.01	1.56
Max.	31.78	18.57	81.61	7.48	17.70	0.05	0.12	8.88	4.46	45.63
Avg.	19.72	12.30	26.29	2.97	7.34	0.02	0.05	3.03	0.40	27.62

- c. In the same review, MECL also informed the committee that outcrops in the area is very less and the few exposures in the block is of dolomitic in nature.
- d. TCC-I recommended the project for pre-closure with a revised cost of Rs. 21,06,415/-. The pre closure was recommended due to limited exposure and non-promising analytical results.
- e. Accordingly, MECL revised the cost and submitted GR with the limited findings. Finally, in the 43rd Executive Committee (EC) meeting the item was discussed to obtain approval of the EC for the pre-closure of the item. Upon review, the EC advised MECL to continue the project and estimate resources for dolomite (if favourable) after obtaining permission from NMEDT.
- f. TCC-I in its 81st meeting, revisited the proposal submitted by MECL and The committee reviewed the chemical analysis of the bedrock samples demonstrated by MECL again and found that the values of main constituents like MgO, SiO₂ and insolubles do not meet the stipulated specifications (threshold values) for dolomite in Jaharitola and Mundatola blocks. IBM specified values of MgO, SiO₂ and total insolubles are to be 15 % (Min), 6% (Max) and 12 % (Max) respectively.
- g. Out of the 40 samples, for which analysis were demonstrated, only 6 samples have CaO values between 29.5-31.8%, few samples have Al₂O₃ values between 3-4% and most of the samples have significantly higher SiO₂ values.
- h. Considering all these aspects, the committee concluded that the rocks in Jaharitola and Mundatola blocks neither qualify in limestone nor dolomite. The area does not have potential and hence the project may be closed.

Recommendations of TCC-1:

The committee recommended pre-closure of item titled “Preliminary Exploration (G-3 Level) for Limestone in Jaharitola (3.34 sq. km) and Mundatola (4.34 sq.km) Blocks, Sundargarh District, Odisha” to PSC for approval.

The revised cost of project from Rs. 285.75 lakh to Rs. 21.06 lakh with a change in amount of (-) Rs 264.69 lakhs (~92.62 % de-escalation) as recommended during 75th TCC-I meeting may be approved by PSC. The cost was revised as per Annexure 11.

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Revised cost sheet for Preliminary Exploration (G-3) for Limestone in Jaharitola (3.34 sq.km) & Mundatola Blocks (4.34 sq.km) , Sundargarh District, Maharashtra. Agency : MECL									
S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		For Ratification		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Amount (Rs)	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK								
1	Geological Mapping (1:4000), Borehole logging, sampling & Report writing								
i	Charges for Geologist-Field (1 party)	day	1.2	11,000	140	15,40,000	70	7,70,000	
ii	Charges for one Geologist - HQ	day	1.2	9,000	40	3,60,000	20	1,80,000	
iii	2 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	280	1,46,160	140	73,640	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Core Sampling -2 Samplers Labour charge not included	day	1.5.2	5,100	165	8,41,500	5	25,500	
v	4 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	660	3,44,520	20	10,520	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher

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2	Survey							-	
i	Topographical Survey	day	1.6.1a	8300	60	490000	30	2,49,000	Topographical Survey on 1:2000 (2 m contour interval)
ii	4 labours/ party (Rs 522/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	522	240	1,25,280	120	62,640	
iii	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes by DGPS and boundary coordinates	Per Point of observation	1.6.2	19,200	30	576000	-	-	21 BHs and 9 boundary coordinates
Sub Total- A						44,31,460		13,71,300	
B	TRENCHING & PITTING								
i	Pitting (1mx1mx2m)	per cubic m	2.1.2	3800	200	7,60,000	0	-	Jaharitola-(200 cubic m), Mundatola-(200 cubic m)
Sub Total- B						7,60,000		-	
C	DRILLING								
i	Drilling upto 300m (2 rig)	m	2.2.1.4a	7,168	1,200	8601600	-	-	Jaharitola-(10 nos: 650 m), Mundatola-(11 nos: 715 m)
ii	Land / Crop Compensation	per BH	5.6	20,000	21	420000	-	-	Amount will be reimburse as per actuals or max. Rs. 20000 per BH with certification from local authorities
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	21	42000	-	-	
iv	Transportation of Drill Rig & Truck associated per drill (2 rigs)	Km	2.2.8	36	3,000	108000	-	-	Certification in this regard is required to be provided
v	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	3	150000	-	-	
vi	Drilling Camp Setting Cost (2 rigs)	Nos	2.2.9a	2,50,000	2	500000	-	-	

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vii	Drilling Camp Winding up Cost (2 rigs)	Nos	2.2.9b	2,50,000	2	500000	-	-	
viii	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	4	88080	-	-	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed later
ix	Core Preservation: One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	1,100	1749000	-	-	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
Sub Total- D						1,21,58,680	-	-	
C	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples for Graphite								
	a. Bedrock Primary samples for 9 radicals i.e., CaO, MgO, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , SO ₃ , P ₂ O ₅ , K ₂ O, Na ₂ O & LOI	Nos	4.1.15a	4,200	100	420000	40	1,68,000	Jaharitola-(50 nos), Mundatola-(50 nos)
	b. Pit Primary samples for 9 radicals i.e., CaO, MgO, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , SO ₃ , P ₂ O ₅ , K ₂ O, Na ₂ O & LOI	Nos	4.1.15a	4,200	100	420000	-	-	Jaharitola-(100 nos), Mundatola-(100 nos)
	c. Borehole Primary samples for 9 radicals i.e., CaO, MgO, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , SO ₃ , P ₂ O ₅ , K ₂ O, Na ₂ O & LOI	Nos	4.1.15a	4,200	1,000	4200000	-	-	Jaharitola-(630 nos), Mundatola-(693 nos)
	d. External(10%) Check samples from NABL Lab for 9 radicals i.e., CaO, MgO, SiO ₂ , Fe ₂ O ₃ ,	Nos	4.1.15a	4,200	120	504000	-	-	

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	Al ₂ O ₃ , SO ₃ , P ₂ O ₅ , K ₂ O, Na ₂ O & LOI								
2	Physical & Petrological Studies								
i	Preparation of thin section	Nos	4.3.1	2,353	10	23530	5	11,765	
ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42320	5	21,160	
v	Digital Photographs	Nos	4.3.7	280	10	2800	5	1,400	
vi	Bulk Density studies	Nos	4.8.1	3,540	4	14160	-	-	
	Sub Total- E					56,26,810		2,02,325	
D	Total A to E					2,29,76,950		15,73,625	
E	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 150 lakhs - A minimum of Rs. 7.5 lakhs or 3% of the value of work whichever is more. 3000 per each additional copy		7,50,000	1	1,50,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
F	Peer review Charges		As per EC decision			30,000	1	30,000	

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G	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is lower		4,59,539	1	31,473	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
H	Total Estimated Cost without GST					2,42,16,489		17,85,098	
I	Provision for GST (18% of I)					43,58,968		3,21,318	GST will be reimburse as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST					2,85,75,457	285.75 lakhs	21,06,415	
K	Rs. In lacs							21.06	
Note:									
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.								
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.								
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.								
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.								
5	Any item of work not mentioned above shall be added as per SoC.								
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.								

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[Implementing Agency: KIOCL]

- a. KIOCL informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The Sanction Order was issued on 13th December, 2024 with timeline of 10 months (up to 12.10.2025) and approved cost was Rs. 132.12 Lakhs/-. Timeline extension upto 31.12.2025 was approved in 2nd meeting of PSC.
- b. The agency apprised the committee that the Samalpatti block represents a typical alkaline–carbonatite system comprising syenite, dolomite and calcite carbonatites, and an intervening fenite zone.
- c. The agency apprised the committee that mapping and trenching work has been completed. 140 m of drilling out of assigned target of 500 m of drilling has been completed.
- d. The agency sought timeline extension till 28.02.2026.
- e. The committee reviewed the progress of work and agreed upon the sought timeline extension.

Recommendations of TCC-1:

The committee recommended timeline extension from 31.12.2025 to 28.02.2026 for approval of PSC, NMEDT.

Agenda 88.5.5. Preliminary Exploration (G3) for Bauxite in Nittadgi Block, Uttara Kannada district, Karnataka

[Implementing Agency: M/s PRB Infraprojects Ltd.]

- a. M/s PRB Infraprojects Ltd. informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 12 months (up to 09.02.2026) and approved cost was Rs. 1,40,64,245/-.
- b. The agency informed the committee that the work could not be commenced till date, as forest clearance could not be obtained. The agency informed that although the proposal was submitted within the approved period, multi-level statutory processing has led to procedural delay beyond the control of the executing agency.
- c. The agency also informed that offline application submitted for Geological mapping and sample collection is pending with CCF Canara circle, while online application submitted for drilling of borehole in Parivesh portal is pending with DCF Honnavara.
- d. The agency sought timeline extension for execution of work.
- e. The committee recommended timeline extension upto 31.03.2026 for obtaining necessary forest clearance and execution of work.

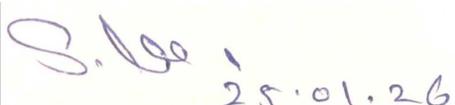
Recommendations of TCC-1:

The committee recommended timeline extension from 09.02.2026 to 31.03.2026 for approval of PSC, NMEDT.

Agenda 88.5.6. Reconnaissance Survey (G4) for Iron Ore in Nawagarh-Nelsod-Antagarh area, District Uttar Bastar Kanker, Chhattisgarh

[Implementing Agency: M/s PRB Infraprojects Ltd.]

- a. M/s PRB Infraprojects Ltd. informed that the project was approved in the 40th EC Meeting held on 21st February, 2025. The Sanction Order was issued on 3rd March, 2025 with timeline of 10 months (up to 02.01.2026) and approved cost was Rs. 1,16,66,705/-.
- b. The agency informed the committee that geological mapping at 1:12,500 scale, bedrock and channel sampling, chemical analysis, DGPS boundary survey, and borehole

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inspection by the Forest Department have been completed, and drilling work is currently pending approval from the Forest Department.

- c. Apprising the committee about the current status, the agency informed that Joint Inspection Report of work location from DFO E-Bhanupratappur Division is awaited. The agency sought timeline extension for completion of work.
- d. The Committee deferred the proposal for timeline extension to the next TCC-I meeting to review the status of Forest Clearance approval.

Recommendations of TCC-1:

The committee deferred the proposal for timeline extension to the next TCC-I meeting to review the status of Forest Clearance approval

Agenda 88.5.7. Preliminary Exploration (G3 Stage) for Limestone in Mangrur block, Adilabad District, Telangana

[Implementing Agency: MMPL Pvt. Ltd.]

- a. MMPL informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 7th March, 2025 with timeline of 08 months (up to 09.10.2025) and approved cost was INR 69,73,540/-.
- b. The agency informed that the project was reviewed in 81st meeting of TCC-I and timeline extension upto 30.11.2025 was recommended. However, the recommendation of 81st TCC-I was deferred during 2nd meeting of PSC due to re-notification issue of the agency.
- c. The agency requested for cost revision as additional chemical analysis and preservation of core samples were done.
- d. The agency also informed that the report has been peer reviewed and compliance report of peer reviewers' comments was reviewed committee.
- e. The committee recommended the cost revision for additional analysis and preservation of core samples and agreed for submission of GR.

Recommendations of TCC-1:

The project is recommended to PSC, NMEDT for revision of cost from Rs. 69.74 lakh to Rs. 73.06 lakh with a change in amount of Rs 3.32 lakhs (~4.76% escalation) as per Annexure 12.

The committee also recommended timeline extension upto 31.01.2026 for submission of GR.

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Revised Cost for Preliminary Exploration (G3 Stage) of Limestone, Mangrur, Adilabad District, Telangana

Total area: 1.4 sq km, Period of Completion: 8 months BH: 4nos 200m , review: after 3

S. No.	Item of Work *	Unit *	Rates as per NMET		Estimated Cost of the		MMPL revised proposal		Remarks	
			SoC 2020-21		Proposal		Final Achieved QTY	Revised total cost		
			SoC- Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)				
A	Geological Mapping Other Geological Work & Surveying									
	Geological mapping, (1:4,000 scale) & Trenching , drilling work									
i	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2. b	11,000	90	990000	90	990000	1:4,000 scale mapping of 2.51 sq km, BRS sampling and Drilling 4 Boreholes	
ii	b. Labours Charges; Base rate (for 2 labours per Geologist	day	5.7	526	180	94680	180	94680	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.	
	c. Charges for Geologist per day (HQ)	day	1.2. a	9,000	30	270000	30	270000		
	Sub Total- A							1354680	1354680	
B	Survey work									
a	DGPS Survey for BH fixation & RL determination	Per Point of observation of observation	1.6.2	19,200	8	153600	10	192000	Bore hole: 4 Cardinal points 4	
b	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different		1.6.1a	8,300	30	249000	30	249000	For Topographical survey	

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	interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc.								
c	Labours Charges for survey work;	day	5.7	522	120	63120	120	62640	4 labours per day
	Sub-Total B					4,65,720		5,03,640	
C	DRILLING (after review)- In - house								
1	Drilling up to (Soft Rock) 800x800 grid	m	2.2.1.4a	7,168	200	1433600	200	1433600	
3	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	20,000	4	80000	4	80000	As per actuals
4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	4	8000	4	8000	boundary revised and cardinal points are changed from 4 to 6 Nos
5	Transportation of Drill Rig & Truck associated per drill (1 rig)	Km	2.2.8	36	2,614	94104	2614	94104	Raniganj to Mangrool to and fro (1654 km one way)
6	Monthly Accomodation Charges for drilling Camp (up to Rigs)	month	2.2.9	50,000	1	50000	1	50000	
7	Drilling Camp Setting Cost	Nos	2.2.9a	250000	1	250000	1	250000	
8	Drilling Camp Winding up Cost	Nos	2.2.9a	250000	1	250000	1	250000	
9	Road Making (Flat Terrain)	Km	2.2.10a	22,020	2	44040	2	44040	As per actuals if or when required
10	Drill Core Preservation	per m	5.3	1,590	150	238500	200	318000	
11a	Charges for one Sampler per day	one sampler per day	1.5.2	5,100	28	142800	28	142800	
11b	Labours (4 Nos)	day	5.7	526	112	58912	112	58912	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	Sub Total C					2649956		27,29,456	

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D	LABORATORY STUDIES								
1	Chemical Analysis								
i)	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)								
	a. Analysis of major oxides by XRF	Nos	4.1.15a	4,200	50	210000	50	210000	
ii)	Surface Check samples (10% External)					0			
	a. Analysis of major oxides samples by XRF	Nos	4.1.15a	4,200	5	21000	5	21000	
v)	BH Core samples								
	a. Analysis of major oxides samples by XRF	Nos	4.1.15a	4,200	150	630000	189	793800	
vi)	BH Core samples (10%External)								
	a. Analysis of major oxides samples by XRF	Nos	4.1.15a	4,200	15	63000	19	79800	
2	Physical & Petrological Studies					0			
i	Preparation of thin section	Nos	4.3.1	2,353	10	23530	10	23530	
ii	Study of thin section	Nos	4.3.4	4,232	10	42320	10	42320	
iii	Preparation of polish section	Nos	4.3.2	1549	5	7745	0	0	
iv	study of polished section	Nos	4.3.4	4,232	5	21160	0	0	
v	Digital Photographs	Nos	4.3.7	280	10	2800	10	2800	
vii	Bulk density analysis	Nos	4.8.1	1,605	2	3210	2	3210	
	Total D					1024765		1176460	
E	Total A to D					54,95,121		57,64,236	
F	Geological Report Preparation	5 Hard copies with a soft copy	5.2		ii	274756		288211.8	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
G	Peer review Charges		As per EC decision	30,000	1	30,000		30,000	

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H	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		109892.82		109892.82	Claimed
I	Total Estimated Cost without GST					59,09,779		61,92,341	
J	Provision for GST (18% of J)					1063760		1114621.312	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST					69,73,540		73,06,962	
				Rs. In Lakhs		69.74		73.06	
					Change in Cost			3,33,422	Escalation in cost
					Change in Cost (in lakh)			3.32	4.76% of escalation in cost
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.								
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.								
5	Any item of work not mentioned above shall be added as per SoC.								
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency								

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Agenda 88.5.8. Preliminary Exploration (G3 Stage) of Limestone in Ponar Block, Adilabad District, Telangana
[Implementing Agency: MMPL Pvt. Ltd.]

- a. MMPL informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 07th March, 2025 with timeline of 08 months (up to 09.10.2025) and approved cost was INR 1,04,08,196/-.
- b. The agency informed that the project was reviewed in 81st meeting of TCC-I and timeline extension upto 30.11.2025 was recommended. However, the recommendation of 81st TCC-I was deferred during 2nd meeting of PSC due to re-notification issue of the agency.
- c. The agency requested for cost revision as additional drilling, chemical analysis and preservation of core samples were done.
- d. The agency also informed that the report has been peer reviewed and compliance report of peer reviewers' comments was reviewed committee.
- e. The committee recommended the cost revision for additional analysis and preservation of core samples and agreed for submission of GR.

Recommendations of TCC-1:

The project is recommended to PSC, NMEDT for revision of cost from Rs. 104.08 lakh to Rs. 110.81 lakh with a change in amount of Rs 6.73 lakhs (~6.47% escalation) as per Annexure-13.

The committee also recommended timeline extension upto 31.01.2026 for submission of GR.

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Revised Estimated cost for Preliminary Exploration (G3 Stage) of Limestone, Ponar, Adilabad District, Telangana
Total area: 5.04 sq km, Period of Completion: 8 months BH: 8nos 400m , review: after 5

			Rates as per NMET		Approved Cost of the		MMPL revised proposal		
			SoC 2020-21		Proposal				
S. No.	Item of Work *	Unit *	SoC-	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	Revised Quantum	Revised total cost	Remarks
			Item No. *						
A	Geological Mapping Other Geological Work & Surveying								
	Geological mapping, (1:4,000 scale) & Trenching , drilling work								
i	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2. b	11,000	100	1100000	100	1100000	1:4,000 scale mapping of 5.04 sq km, BRS sampling and drilling of 12 Nos. Boreholes
ii	b. Labours Charges; Base rate (for 2 labours per Geologist	day	5.7	526	240	126240	240	126240	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	c. Charges for Geologist per day (HQ)	day	1.2. a	9,000	40	360000	40	360000	
Sub Total- A						1586240		1586240	
B	Survey work								
a	DGPS Survey for BH fixation & RL determination	Per Point of observation of observation	1.6.2	19,200	14	268800	14	268800	Bore hole: 12 Cardinal points 6

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b	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc.		1.6.1a	8,300	30	249000	30	249000	For Topographical survey
c	Labours Charges for survey work;	day	5.7	526	180	94680	180	94680	4 labours per day
Sub-Total B						6,12,480		6,12,480	
C	DRILLING (after review)- In - house								
1	Drilling up to (Soft Rock) 800x800 grid	m	2.2.1.4a	7,168	400	2867200	427	3060736	Increased because of one stratigraphic bore recommended by 78th TCC-1
3	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	20,000	8	160000	8	160000	As per actuals
4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	8	16000	8	16000	
5	Transportation of Drill Rig & Truck associated per drill (1 rig)	Km	2.2.8	36	0	0	0	0	Raniganj to Ponar to and fro (1670 one way)
6	Monthly Accomodation Charges for drilling Camp (up to Rigs)	month	2.2.9	50,000	1	50000	1	50000	
7	Drilling Camp Setting Cost	Nos	2.2.9a	250000	0	0	0	0	
8	Drilling Camp Winding up Cost	Nos	2.2.9a	250000	0	0	0	0	
9	Road Making (Flat Terrain)	Km	2.2.10a	22,020	1	22020	1	22020	As per actuals if or when required
10	Drill Core Preservation	per m	5.3	1,590	350	556500	427	678930	

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11a	Charges for one Sampler per day	one sampler per day	1.5.2	5,100	55	280500	55	280500	
11b	Labours (4 Nos)	day	5.7	526	220	115720	220	115720	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	Sub Total C					4067940		4383906	
D	LABORATORY STUDIES								
1	Chemical Analysis								
i)	Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment)								
	a. Analysis of major oxides by XRF	Nos	4.1.15a	4,200	50	210000	50	210000	
ii)	Surface Check samples (10% External)					0		0	
	a. Analysis of major oxides samples by XRF	Nos	4.1.15a	4,200	5	21000	5	21000	
iii)	Trench & Check Samples from Trench					0		0	
	a. Analysis of major oxides samples by XRF	Nos	4.1.15a	4,200	0	0	0	0	
	Trench samples					0		0	
iv)	Trench Check samples (10% External)					0		0	
	a. Analysis of major oxides samples by XRF	Nos	4.1.15a	4,200	0	0	0	0	
v)	BH Core samples								

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	a. Analysis of major oxides samples by XRF	Nos	4.1.15a	4,200	350	1470000	406	1705200	
vi)	BH Core samples (10%External)								
	a. Analysis of major oxides samples by XRF	Nos	4.1.15a	4,200	35	147000	40	168000	
2	Physical & Petrological Studies								
i	Preparation of thin section	Nos	4.3.1	2,353	10	23530	10	23530	
ii	Study of thin section	Nos	4.3.4	4,232	10	42320	10	42320	
iii	Preparation of polish section	Nos	4.3.2	1549	5	7745	0	0	
iv	study of polished section	Nos	4.3.4	4,232	5	21160	0	0	
v	Digital Photographs	Nos	4.3.7	280	10	2800	10	2800	
vii	Bulk density analysis	Nos	4.8.1	1,605	2	3210	2	3210	
	SEM Studies	per hour							
viii	EPMA studies	per hour	4.4.1	8,540	0	0			
	Total D					1948765		2176060	
	Total A to D					82,15,425		8758686	
E	Geological Report Preparation	5 Hard copies with a soft copy	5.2		ii	410771.25		437934.3	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
F	Peer review Charges		As per EC decision	30,000	1	30,000		30000	
G	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		164308.5		164308.5	Claimed

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H	Total Estimated Cost without GST				88,20,505		9390928.8	
I	Provision for GST (18% of H)				1587690.855		1690367.184	GST will be reimburse as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST				1,04,08,196		11081295.98	
				Rs. In Lakhs	104.0819561		110.8129598	
							6,73,100	Total escalation in cost
						Increase in cost in lakhs	6.73	<i>Cost escalation of 6.47%</i>
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 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.							
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.							
5	Any item of work not mentioned above shall be added as per SoC.							
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency							

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Agenda 88.5.9. Reconnaissance Survey (G-4 Stage) for graphite in Korapara, Bankura District, West Bengal
[Implementing Agency: MMPL Pvt. Ltd.]

- a. The agency apprised the committee that the cost of the project was revised in 13th TCC-II meeting. However, the recommendation of TCC-II was deferred by PSC in its 2nd meeting, due to re- notification issue of the agency.
- b. The agency sought revision of cost as per revised SoC.
- c. The committee opined that the revision of cost was done by TCC-II, hence the proposal was referred to TCC-II of NMEDT.

Recommendations of TCC-1:

The committee referred the agenda to TCC-II for further deliberations.

Agenda 88.5.10. Reconnaissance Survey (G-4 Stage) of Graphite, Korapara East Block, Bankura District, West Bengal
[Implementing Agency: MMPL Pvt. Ltd.]

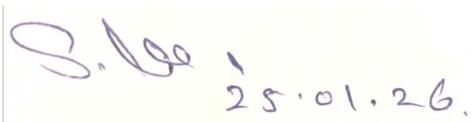
- a. The agency apprised the committee that the cost of the project was revised in 11th TCC-II meeting. However, the recommendation of TCC-II was deferred by PSC in its 1st meeting.
- b. The agency sought revision of cost as per revised SoC.
- c. The committee opined that the revision of cost was done by TCC-II, hence the proposal was referred to TCC-II of NMEDT.

Recommendations of TCC-1:

The committee referred the agenda to TCC-II for further deliberations.

Agenda 88.5.11. Reconnaissance Survey (G4) for Glauconite and associated mineralization in Dhamni-Piparwasi Simliya area, Sheopur district, Madhya Pradesh
[Implementing Agency: MMPL Pvt. Ltd.]

- a. MMPL informed that the project was approved in the 36th EC Meeting held on 29th July, 2024. The Sanction Order was issued on 21st August, 2024 with timeline of 12 months (up to 20.08.2025) and approved cost was INR 1,06,22,030/-. The revised cost of Rs. 85,48,621.91/- was approved during 1st PSC meeting.
- b. The TCC-II in its 11th meeting, agreed for proposed reduction in the drilling quantum and included modal analysis of 3 nos. of thin section.
- c. The agency apprised the committee that due to re-notification of the company under a new name, the (TCC) review could not be undertaken as scheduled and consequently, the request for nomination of a Peer Reviewer could not be processed within the original project timeline. The agency sought timeline extension for submission of GR.
- d. The agency presented the progress of work and informed that resource estimation carried out using 2% K₂O cut-off, estimating 15.27 Million Metric Tonnes (Mt) of resources in 334 UNFC Category.
- e. The committee reviewed the work and agreed for peer review of geological report.





Recommendations of TCC-1:

The committee approved for submission of GR to peer reviewer. The committee also recommended timeline extension upto 28.02.2026 for submission of GR.

**Agenda 88.5.12. Preliminary Exploration Survey (G3) of Iron Ore and associated minerals in Bamuri Block, Sidhi District, Madhya Pradesh
[Implementing Agency: MMPL Pvt. Ltd.]**

- a. MMPL informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The Sanction Order was issued on 6th January, 2025 with timeline of 12 months (up to 05.01.2026) and approved cost was INR 2,86,60,693/-.
- b. The agency informed that all the assigned quantum of work, except drilling and associated analysis, has been completed.
- c. The agency also informed that the delay in work was due to delay in forest clearance as well as re-notification issue of agency.
- d. The committee was apprised that Forest clearance has been granted on 31.12.2025 and drilling rig has reached the site. The agency also informed that drilling plan was approved by TCC-II in its 13th meeting. The agency sought timeline extension for completion of work.
- e. The committee reviewed the work carried out by agency and agreed upon timeline extension sought by agency.

Recommendations of TCC-1:

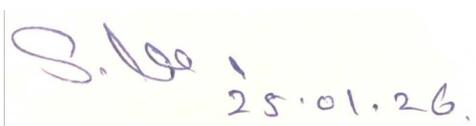
The committee recommended timeline extension upto 15.06.2026 for completion of work and submission of GR.

**Agenda 88.5.13. Preliminary exploration (G3) for Iron ore and associated minerals in Amhawa Block, Sidhi District, Madhya Pradesh
[Implementing Agency: MMPL Pvt. Ltd.]**

- a. MMPL informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 12 months (up to 09.02.2026) and approved cost was INR 3,97,47,192/-. The revised cost of INR 4,08,65,366 /- was approved during 43rd EC meeting.
- b. The TCC-II in its 10th meeting, agreed for addition of geophysical survey (magnetic method) in the quantum of work.
- c. The agency informed that all the assigned quantum of work, except drilling and associated analysis, has been completed.
- d. The agency also informed that the delay in work was due to delay in forest clearance as well as re-notification issue of agency.
- e. The committee was apprised that Forest clearance has been granted on 18.12.2025. The agency also informed that drilling plan was approved by TCC-II in its 13th meeting. The agency sought timeline extension for completion of work.
- f. The committee reviewed the work carried out by agency and agreed upon timeline extension sought by agency.

Recommendations of TCC-1:

The committee recommended timeline extension upto 30.06.2026 for completion of work and submission of GR.





Agenda 88.5.14. Preliminary Exploration (G3 Stage) of Limestone, Gadeghat -Khatera block, Yavatmal District, Maharashtra
[Implementing Agency: MMPL Pvt. Ltd.]

- a. MMPL informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 10 months (up to 09.12.2025) and approved cost was INR 2,31,42,842/-.
- b. The agency informed that all the assigned quantum of work has been completed.
- c. The agency apprised the committee that due to re-notification of the company under a new name, the (TCC) review could not be undertaken as scheduled and consequently, the request for nomination of a Peer Reviewer could not be processed within the original project timeline. The agency sought timeline extension for submission of GR.
- d. The committee reviewed the work and agreed for peer review of geological report.

Recommendations of TCC-1:

The committee approved for submission of GR to peer reviewer. The committee also recommended timeline extension upto 28.02.2026 for submission of GR.

Agenda 88.5.15. Preliminary Exploration (G-3 Stage) for limestone in Chokkanathapuram Block, Ariyalur and Perambalur Districts, Tamil Nadu

[Implementing Agency: Geo Exploration and Mining Solutions]

- a. Geo Exploration and Mining Solutions informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 8 months (up to 09.10.2025) and approved cost was INR 2,24,59,105/-.
- b. The agency apprised the committee that drilling work has been completed and 70% of analytical results have been received. Report preparation is under progress.
- c. The agency also informed that the work was halted as the agency was de-notified and have been re-notified recently.
- d. The agency sought timeline extension for completion of work and submission of GR.
- e. The committee reviewed the work and agreed for timeline extension.

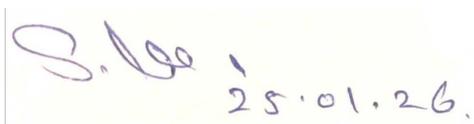
Recommendations of TCC-1:

The committee recommended timeline extension upto 31.03.2026 for completion of work and submission of GR.

Agenda 88.5.16. Preliminary exploration (G3 stage) for limestone in Kulumur Block, Ariyalur and Perambalur Districts, Tamil Nadu

[Implementing Agency: Geo Exploration and Mining Solutions]

- a. Geo Exploration and Mining Solutions informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 8 months (up to 09.10.2025) and approved cost was INR 2,25,09,644/-.
- b. The agency also informed that the work was halted as the agency was de-notified and have been re-notified recently.
- c. The agency sought timeline extension for completion of work and submission of GR.
- d. The committee reviewed the work and agreed for timeline extension.

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Recommendations of TCC-1:

The committee recommended timeline extension upto 31.03.2026 for completion of work and submission of

Agenda 88.5.17. (Addl. Agenda) Reconnaissance Survey (G4 Stage) for Graphite in and around Dumburuneli area, Rayagada District, Odisha

[Implementing Agency: MMPL Pvt. Ltd.]

- a. MMPL informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 10th February, 2025 with timeline of 10 months (up to 09.12.2025) and approved cost was INR 1,37,69,756/-.
- b. The agency informed that all the assigned quantum of work, except drilling and associated analysis, has been completed.
- c. The agency also informed that the delay in work was due to active crop season. All four graphite-bearing zones within the proposed block were under cotton cultivation, which takes place annually from the end of July till the 3rd week of January. During this period, local farmers/tribes did not permit the agency to undertake drilling activities. They have indicated that they will allow drilling operations after the cultivation period concludes. Delay was also due to re-notification issue of agency.
- d. The agency sought timeline extension for completion of drilling and associated quantum of targets.
- e. The committee reviewed the progress of work and agreed for timeline extension.

Recommendations of TCC-1:

The committee recommended timeline extension upto 31.03.2026 for completion of work and submission of GR.

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List of participants who attended the 88^h Meeting of Technical-cum-cost Committee (TCC-I) of NMEDT held on 16th and 17th January, 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
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19	Shri. Shivakumar M	Assistant General Manager(ME)	bmed@kioclltd.in	9148743807	KIOCL LIMITED

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37	Dr. Vinay Sahay	Sr. Manager(Geology)	vinay.sahay@geologist.com	9730514284	Gemco kati Exploration Pvt Ltd, Chandrapur
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49	Mr. Prembabu	TAE (Geo)	prembabu_singh@yahoo.com	9422477401	PRB Infraprojects Private Limited
50	Representative of CGM Gujarat				
51	Representative of DMG Telangana				
52	Representative of DGM Assam				
53	Representative of Steiger Geoscience and Engineering Private Ltd				
54	Representative of Geovale Services Pvt. Ltd.				
55	Representative of M/s Kartikay Exploration and Mining Services Pvt. Ltd.				
56	Representative of Geo Exploration and Mining Solutions				
57	Ms. Bishakha	Sr. Geologist	nmet-mines@gov.in	8126541605	NMEDT
58	Smt. Palak Kapoor	Sr. Geologist	nmet-mines@gov.in		NMEDT

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