

Ministry of Mines
National Mineral Exploration and Development Trust
Minutes of the 87th Technical-cum-Cost Committee-1 (TCC-1) Meeting held on
22nd and 23rd December, 2025 through video conferencing

The 87th 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 22nd and 23rd December, 2025.

Members of TCC-1, NMEDT and representatives from CGM, Gujarat, MECL, DMG Odisha, Critical Mineral Trackers, Maiki South Mining Pvt. Ltd., Mining Tech and Consultancy Services Pvt. Ltd. and OMC Ltd. have attended the meeting through their respective VC modes.

The list of participants is enclosed in Annexure-5.

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), State DGMs/DMGs 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 87.1: Technical evaluation of new project proposals

Agenda 87.1.1. Preliminary Exploration (G3) for Limestone at Paradva-Amrapar Block

A, District: Jamnagar, Gujarat.

[Implementing Agency: CGM Gujarat]

- a. The proposed block falls in Survey of India TS No. 41K/01 and 41K/02 and exposes Milliolite Limestone Formation.
- b. CGM Gujarat informed that a part of the nearby area was previously explored by CGM through drilling during 2004–2005. Chemical analysis of the limestone indicated a range from chemical grade to cement grade, with CaO content varying from a maximum of 52.82% to a minimum of 40.64%. Based on the investigations, the estimated reserves were assessed as 37.36 million tonnes of chalk and 83.69 million tonnes of limestone.
- c. During the recent geological traverse survey conducted by a CGM geologist, six grab samples were collected. The analytical results of these samples indicated CaO values ranging from 49.07% to 51.98%.
- d. GSI, in its comments, informed that carbonatite dykes had been reported during STM work in the proposed area.
- e. The Committee reviewed the proposal and advised the agency to investigate the carbonatite dykes reported by GSI and to establish whether their origin was igneous or due to secondary enrichment. It was further suggested that, if the dykes were confirmed to be igneous in nature, studies for REE and other critical minerals may also be undertaken.

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- f. The committee approved the proposal and stated 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).
- g. The agency could not present the estimated cost.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed blocks do not overlap with any past or ongoing projects. However few carbonatite veins are reported during STM work in the area.
2.	MECL	Not received.
3.	AMD	NA
4.	State DMG/DGM/CGM	NA

Recommendations of TCC-1:

The committee approved the proposal and stated 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). Four reports will be submitted for individual blocks. The costing would be done in upcoming TCC as the agency could not present their estimated cost.

Agenda 87.1.2. Preliminary Exploration (G3) for Limestone at Paradva-Amrapar Block B, District: Jamnagar, Gujarat.

[Implementing Agency: CGM Gujarat]

- a. The proposed block falls in Survey of India TS No. 41K/01 and 41K/02 and exposes Milliolite Limestone Formation.
- b. CGM Gujarat informed that a part of the nearby area was previously explored by CGM through drilling during 2004–2005. Chemical analysis of the limestone indicated a range from chemical grade to cement grade, with CaO content varying from a maximum of 52.82% to a minimum of 40.64%. Based on the investigations, the estimated reserves were assessed as 37.36 million tonnes of chalk and 83.69 million tonnes of limestone.
- c. During the recent geological traverse survey conducted by a CGM geologist, four grab samples were collected. The analytical results of these samples indicated CaO values ranging from 49.55% to 52.43%.
- d. The committee approved the proposal and stated 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).
- e. The agency could not present the estimated cost.

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	NA

Recommendations of TCC-1:

The committee approved the proposal and stated 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). Four reports will be submitted for individual blocks. The costing would be done in upcoming TCC as the agency could not present their estimated cost.

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**Agenda 87.1.3. Preliminary Exploration (G3) for Limestone at Paradva-Amrapar Block
C, District: Jamnagar, Gujarat.
[Implementing Agency: CGM Gujarat]**

- a. The proposed block falls in Survey of India TS No. 41K/01 and 41K/02 and exposes Milliolite Limestone Formation.
- b. CGM Gujarat informed that a part of the nearby area was previously explored by CGM through drilling during 2004–2005. Chemical analysis of the limestone indicated a range from chemical grade to cement grade, with CaO content varying from a maximum of 52.82% to a minimum of 40.64%. Based on the investigations, the estimated reserves were assessed as 37.36 million tonnes of chalk and 83.69 million tonnes of limestone.
- c. During the recent geological traverse survey conducted by a CGM geologist, three grab samples were collected. The analytical results of these samples indicated CaO values ranging from 43.83% to 51.49%.
- f. The committee approved the proposal and stated 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).
- g. The agency could not present the estimated cost.

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	NA

Recommendations of TCC-1:

The committee approved the proposal and stated 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). Four reports will be submitted for individual blocks. The costing would be done in upcoming TCC as the agency could not present their estimated cost.

**Agenda 87.1.4. Preliminary Exploration (G3) for Limestone at Paradva-Amrapar Block
D, District: Jamnagar, Gujarat.
[Implementing Agency: CGM Gujarat]**

- a. The proposed block falls in Survey of India TS No. 41K/01 and exposes Milliolite Limestone Formation.
- b. CGM Gujarat informed that a part of the nearby area was previously explored by CGM through drilling during 2004–2005. Chemical analysis of the limestone indicated a range from chemical grade to cement grade, with CaO content varying from a maximum of 52.82% to a minimum of 40.64%. Based on the investigations, the estimated reserves were assessed as 37.36 million tonnes of chalk and 83.69 million tonnes of limestone.
- c. During the recent geological traverse survey conducted by a CGM geologist, two grab samples were collected. The analytical results of these samples indicated CaO values ranging from 47% to 49.07%.
- d. The committee approved the proposal and stated 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).
- e. The agency could not present the estimated cost.

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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	NA

Recommendations of TCC-1:

The committee approved the proposal and stated 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). Four reports will be submitted for individual blocks. The costing would be done in upcoming TCC as the agency could not present their estimated cost.

Agenda 87.1.5. Preliminary explanation (G3) for manganese and limestone in Rampur block (area: 9.6 sq km), District: Adilabad, Telangana.

[Implementing Agency: MECL]

- The proposed block falls in Survey of India TS No. 56I/05 and 56I/09 and forms part of the Pranhita–Godavari Basin, where manganese mineralisation is known to occur within well-defined stratigraphic horizons of massive limestone.
- The proposed block was one of the three blocks (PL area) handed over to MECL by DMG Telangana during a review meeting held on 29.07.2025.
- However, during meeting DMG clarified that the proposed block differed from the allocated block. Accordingly, the agency withdrew the proposal.

Recommendations of TCC-1:

The agency withdrew the proposal.

Agenda 87.1.6. Reconnaissance Survey (G4) for Rare Metals in Gopalpura area (Area: 90.70 Sq Km), Chhatarpur District, Madhya Pradesh

[Implementing Agency: MECL]

- The proposed block falls in Survey of India TS No. 54P/09 and 54P/13 and forms part of the Bundelkhand Gneissic Complex.
- The agency apprised the committee that the selection of the proposed block is based on multiple geological, structural and geochemical criteria that collectively enhance its mineralization potential.
- Reconnaissance sampling by GSI (FS 2020–22) yielded several anomalous metal values, including: 520.91 ppm and 417.97 ppm W, along with 66.61 ppm and 13 ppm Li, in quartzite and 25.73 ppm Li with 67.93 ppm W from dolerite.
- The committee reviewed the proposal and opined that W, Li, Co and Ni should be the main focus minerals to be studied. The committee suggested the agency to confirm whether Scheelite or Wolframite is the main tungsten bearing mineral in the area.
- The committee also suggested the agency to study quartz veins with UV lamp for screening of scheelite.

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- f. The committee approved the proposal and stated that the work would be carried out in 2 phases, viz.,
 - 1st phase: Detailed mapping and intensive sampling
 - 2nd phase: Scout Bore holes after review of 1st phase of work
- g. GSI in its comments stated that a small part of the proposed block is overlapping with the G4 mapping work carried out during FS 2019-2020.
- h. The agency was apprised of the overlapping and the area of proposed block is modified and reduced to 78.85 sq. km.

Sl. No.	Agency	Brief Comments
1.	GSI	The eastern part of the proposed blocks overlap with G4 project of 2019-20
2.	MECL	NA
3.	AMD	Awaited at the time of meeting
4.	State DMG/DGM/CGM	Awaited at the time of meeting

Recommendations of TCC-1:

The committee recommended the proposal entitled “Reconnaissance survey (G4) for Critical Minerals in Gopalpura area, Chhatarpur District, Madhya Pradesh” for approval of PSC, NMEDT with an estimated cost of ₹158.38 lakhs (including GST) within time schedule of 12 months for carrying out the proposed work and submission of report as per Annexure – 1A & 1B. The item will be reviewed after 4th and 8th months.

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Annexure 1A

Reconnaissance survey (G4) for Critical Minerals in Gopalpura area, Chhatarpur District, Madhya Pradesh
[Block area- 78.85 sq. km; Nos. of Borehole- 5; Drilling meterage- 500m; 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)		
A	GEOLOGICAL WORK (1:12,500 scale)							
i	Geological mapping	Sq. Km	1.1	18,300	78.85	14,42,955		
ii	Charges for one Geologist- Field	day	1.2.1a	14,500	-	-	For Core logging and sampling	
iii	Charges for one Geologist per- HQ	day	1.2.1a	10,500	30	3,15,000		
iv	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	-	-	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher	
v	Core Sampling -1 Samplers Labour charge not included	day	1.2.1b	7,850	53	4,16,050		
vi	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	212	1,14,692	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher	
	Sub Total- A					22,88,697		
B	GEOPHYSICAL SURVEY							

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i	IP cum resistivity, SP, Magnetic (8-10 lkm)	8-10 Line Km	3.4b	1448693	-	-	15 line Km
ii	Charges for one Geophysicist per day at HQ	day	3.18	10,500	0	-	
iv	Surveyor Work	days	1.3.1	10,500	-	-	
v	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	-	-	
Sub Total- B						-	
C	PITTING AND TRENCHING						
i	Trenching	Cu m	2.1.1	4125	100	4,12,500	
Sub Total- C						4,12,500	
D	DRILLING (In House)						
i	Drilling upto 300m (Hard Rock) (1 rigs)	m	2.2.1.1d	10,000	500	50,00,000	5 no of scout boreholes
ii	Charges for one Geologist- Field	day	1.2.1a	14,500	30	4,35,000	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	60	32,460	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iii	Land / Crop Compensation	per BH	5.6	30,000	5	1,50,000	
iv	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	5	10,000	
v	Transportation of Drill Rig & Truck associated per drill	Km	2.2.9			12,50,000	200 m Core preservation to be done. One complete borehole plus mineralised cores of all the remaining Bhs
vi	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month					

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vii	Drilling Camp Setting Cost	Nos					
viii	Drilling Camp Winding up Cost	Nos					
ix	Approach Road Making (Flat Terrain)	Km					
x	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and by DGPS	Nos	1.6.2	19,200		-	
	Sub Total- D					68,77,460	
E	LABORATORY STUDIES						
1	Chemical Analysis						
i	Primary & Check samples for Rare metals (BRS/Trench)						
	a. Primary Samples for REE suite, W, Mo, Cu, Ni, Cr, Ta, Nb, Li, Rb, Cs, and associated pathfinder elements	Nos	4.1.15	7,400	225	16,65,000	100 BRS, 50 Stream, 75 trench
	b-External(10%) Check samples from NABL Lab for REE suite, W, Mo, Cu, Ni, Cr, Ta, Nb, Li, Rb, Cs and associated pathfinder elements	Nos	4.1.15	7,400	25	1,85,000	
ii	Drill core Primary & Check samples for Rare metals						
	a. Primary Samples for REE suite, W, Mo, Cu, Ni, Cr, Ta, Nb, Li, Rb, Cs, and associated pathfinder elements	Nos	4.1.15	7,400	160	11,84,000	
	b-External(10%) Check samples from NABL Lab for REE suite, W, Mo, Cu, Ni, Cr, Ta, Nb, Li, Rb, Cs, and associated pathfinder elements	Nos	4.1.15	7,400	16	1,18,400	
2	Physical & Petrological Studies						

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i	Preparation of thin section	Nos	4.3.1	500	10	5,000	
ii	Complete petrographic study report	Nos	4.3.4	2,800	10	28,000	
iii	Preparation of polished section	Nos	4.3.2	800	10	8,000	
iv	Complete mineragraphic study report	Nos	4.3.4	2,800	10	28,000	
v	EPMA	Hrs	4.4.1	10,500	5	52,500	
vi	XRD Studies	Nos	4.5.2	4,000	8	32,000	
	Sub Total- E					33,05,900	
F	Total A to E					1,28,84,557	
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) and the soft copy to NMET.
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 Lakhs whichever is lower		2,57,691	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					1,34,22,248	
J	Provision for GST (18% of I)					24,16,004.67	GST will be reimburse as per actual and as per notified prescribed rate

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K	Total Estimated Cost with GST			1,58,38,252.81	
				or Say Rs. In Lakhs	158.38
Note:					
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.				
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.				
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.				
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.				
5	Any item of work not mentioned above shall be added as per SoC.				
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency				

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Annexure 1B

Time Schedule/ Action Plan for Reconnaissance survey (G4) for Critical Minerals in Gopalpura area, Chhatarpur District, Madhya Pradesh.													Annexure 1B			
S. No.		Months/Days	1	2	3	4		5	6	7	8		9	10	11	12
1	Camp Setting	months														
2	Geological Mapping	months														
3	Survey days	days														
2	Geophysical Work	months														
5	Trenching	cu.m														
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 87.1.7. Preliminary Exploration (G3) for Rare Metals and associated mineralization in Atrar Block (Area: 20.15 Sq Km) District-Chhatarpur, Madhya Pradesh

[Implementing Agency: MECL]

- a. The proposed block falls in Survey of India TS No. 54P/09 and 54P/10 and forms part of the Bundelkhand Gneissic Complex.
- b. MECL apprised the committee that Regional Mineral Targeting (RMT) project of GSI has identified 12 Mineral Potential Blocks (MPB) and the present proposed block is one of the 12 MPB.
- c. The selection of the Atrar Block is based on multiple geological, structural and geochemical criteria that collectively enhance its mineralisation potential.
- d. Reconnaissance sampling by GSI yielded several anomalous metal values, including: 712 ppm W in quartzite from Himmatpura, 521 ppm W from the Gopalpura quartz vein, 818 ppm Cr and 229 ppm Ni from Badwaha amphibolite.
- e. These anomalous values—well above crustal background— indicate an active mineralization system. Further, Bouguer gravity highs in the northern sector (Bagwaha) indicate concealed mafic intrusions, favourable for Ni–Cr mineralisation.
- f. The committee reviewed the proposal and opined that the work may be undertaken in 3 phases, viz.,
1st phase: Closed space traverse mapping alongwith updation of available LSM map, surface sampling. The zone of interest may be identified and the area may be limited to zone of interest for further work
2nd phase: Geophysical studies
3rd phase: Drilling work.
- g. The committee approved the proposal with modified area of 23.76 sq. km.

Sl. No.	Agency	Brief Comments
1.	GSI	The proposed block completely overlaps with G4 projects. However G3 work is not carried out yet.
2.	MECL	NA
3.	AMD	No overlap, however, In view of known potentiality of uranium in the contiguous area, analyses of uranium may be included in the analyses list.
4.	State DMG/DGM/CGM	Awaited at the time of meeting

Recommendations of TCC-1:

The committee recommended the proposal entitled “Preliminary Exploration (G3) for Critical minerals in Atrar block, District: Chhatarpur, Madhya Pradesh.” for approval of PSC, NMEDT with an estimated cost of ₹291.50 lakhs (including GST) within time schedule of 15 months for carrying out the proposed work and submission of report as per Annexure – 2A & 2B. The item will be reviewed after 4th, 8th and 12th months.

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Annexure 2A

Preliminary Exploration (G3) for Critical minerals in Atrar block, District: Chhatarpur, Madhya Pradesh.
[Block area- 23.76 sq. km; No. of Boreholes: 10 nos, Total Drilling: 1000 m; Schedule timeline- 15 months, Review after 4, 8 and 12 months]

S. No.	Item of Work	Unit	Rates as per NMET SoC 2025		Estimated Cost of the Proposal		Remarks		
			SoC-Item -Sl No.	Rates as per SoC	Estimated Cost of the Proposal				
					Qty.	Amount (Rs)			
PHASE-I									
	Phase I	Updation of existing Geological Map (LSM), Collection of surface channel samples (including BRS, PTS), Pitting and Trenching							
A	GEOLOGICAL WORK (updation of Geological Map (1:12500 map)								
ii	Charges for one Geologist- Field for mapping, BR sampling and pitting	day	1.2.1a	14,500	130	18,85,000	(For all the 3 phases of work) (including DM, Drilling, Pitting/Trenching and sampling)		
iii	Charges for one Geologist per- HQ	day	1.2.1a	10,500	45	4,72,500	(For all the 3 phases of work)		
iv	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	260	1,40,660	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher		
v	1 Samplers Labour charge not included	day	1.2.1b	7,850	55	4,31,750			

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vi	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	220	1,19,020	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub Total- A					30,48,930	
B	TRENCHING						
i	Trenching	Cu m	2.1.1	4125	100	4,12,500	100 Trenching samples
	Sub Total- B					4,12,500	
C	LABORATORY STUDIES						
1	Chemical Analysis						
i	Primary & Check samples for Rare metals (BRS/Trench)						
	a. Primary Samples for REE suite, W, Mo, Cu, Ni, Cr, Ta, Nb, Li, Rb, Cs, and associated pathfinder elements	Nos	4.1.15	7,400	200	14,80,000	100 BRS and 100 Trench samples
	b-External(10%) Check samples from NABL Lab for REE suite, W, Mo, Cu, Ni, Cr, Ta, Nb, Li, Rb, Cs and associated pathfinder elements	Nos	4.1.15	7,400	20	1,48,000	
2	Physical & Petrological Studies						
i	Preparation of thin section	Nos	4.3.1	500	15	7,500	

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ii	Complete petrographic study report	Nos	4.3.4	2,800	15	42,000	
iii	Preparation of polished section	Nos	4.3.2	800	15	12,000	
iv	Complete mineragraphic study report	Nos	4.3.4	2,800	15	42,000	
v	EPMA	Hrs	4.4.1	10,500	10	1,05,000	
vi	XRD Studies	Nos	4.5.2	4,000	10	40,000	
	Sub Total- C					18,76,500	
	SUB TOTAL PHASE-I					53,37,930	
	PHASE-II (DM with contouring: 3 sq. km, 1:2000) with GP study						
D	Detailed Mapping						
	Detailed Mapping with contouring (1:2000 scale)		1.1	18300	3	54900	
	Sub Total- D					54900	
E	GEOPHYSICAL SURVEY						
i	Electro Magnetic survey (profiling/sounding)	Sounding	3.7a	21,197	200.0	42,39,400	Tentative. Final Quantum to be decided after 1st Review
	Sub Total- E					42,39,400	
	SUB TOTAL PHASE-II					42,94,300	
	PHASE-III (Drilling)						
F	SURVEY WORK						
i	Survey Party Days for carrying out Topographical Survey (1:2000 scale)	days	1.3.1	10,500	30	3,15,000	

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ii	4 labours/ party (As per rates of Central Labour Commissioner)	days	5.8	541	120	64,920	
iii	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	Per Point of observation	1.3.2	24,000	15	3,60,000	Proposed Boreholes: 10 (Tentative) Block Boundary Points: 05
	Sub Total- F				7,39,920		
G	DRILLING (Outsourcing)						
i	Drilling upto 300m (Hard Rock) (1 rigs)	m	2.2.1.1d	10,000	1,000	1,00,00,000	10 nos. of boreholes (Tentative), Core preservation of 400 m to be done (1 complete BH + Mineralised zone)
ii	Technical Supervision cost	One time	6	10% of the sum of all the outsourced work components with a maximum ceiling of 20 lakh.		10,00,000	
iv	Land / Crop Compensation	per BH	5.6	30,000	10	3,00,000	As per actuals
v	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	10	20,000	
	Borehole Plugging	per BH	2.2.8	10,000	10	1,00,000	
	Sub Total- G				1,14,20,000		
H	LABORATORY STUDIES						

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i	Drill core Primary & Check samples for Rare metals						
	a. Primary Samples for REE suite, W, Mo, Cu, Ni, Cr, Ta, Nb, Li, Rb, Cs, and associated pathfinder elements	Nos	4.1.15	7,400	200	14,80,000	Core Samples
	b-External(10%) Check samples from NABL Lab for REE suite, W, Mo, Cu, Ni, Cr, Ta, Nb, Li, Rb, Cs, and associated pathfinder elements	Nos	4.1.15	7,400	20	1,48,000	
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	5	4,000	
iv	Complete mineragraphic study report	Nos	4.3.4	2,800	5	14,000	
	Sub Total- H					16,62,500	
F	SUB TOTAL PHASE-III					1,38,22,420	
	SUB TOTAL PHASE- I, II, III					2,34,54,650	
G	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 150 lakhs - Rs. 7.5 lakhs		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.

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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 Lakhs whichever is lower	4,69,093	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				2,47,03,743	
J	Provision for GST (18% of I)				44,46,673.74	GST will be reimburse as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST				2,91,50,416.74	
				or Say Rs. In Lakhs	291.50	
Note:						
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.					
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.					
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.					
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.					
5	Any item of work not mentioned above shall be added as per SoC.					
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency					

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Annexure 2B

Time schedule for Preliminary Exploration (G-3) for Rare metals and associated minerals in Atrar Block, Districts: Chhattarpur, State: Madhya Pradesh;																				
[Schedule timeline- 15 months]																				
S. No.		Months/Days	1	2	3	4		5	6	7	8		9	10	11	12		13	14	15
1	Camp Setting	months																		
2	Geological Mapping	months																		
3	Survey days	days																		
2	Geophysical Work	months																		
5	Trenching	cu.m																		
6	Drilling (1 rig)	m																		
7	Geologist days	days																		
8	Sampling days	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 87.1.8. Reconnaissance survey (G4) for Ni, Cr and PGE in Charoti Area, Palghar District, Maharashtra
[Implementing Agency: Critical Mineral Trackers]

- a. The project was recommended during 81st meeting of TCC-I. The project was deferred in 2nd meeting of PSC of NMEDT held on 04.11.2025.
- b. The PSC deferred the project back as the agency did not have sufficient man power to execute the project.
- c. The agency informed the committee that they have hired new personnel and the same has been updated by QCI-NABET.
- d. The costing of project was done as per new SoC of NMEDT.

Recommendations of TCC-1:

The committee recommended the proposal entitled “Reconnaissance survey (G4) for Ni, Cr and PGE in Charoti Area, Palghar District, Maharashtra” for approval of PSC, NMEDT with an estimated cost of ₹137.54 lakhs (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 04 and 08 months.

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Annexure 3A

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

Total Area - 131 sq.km ; No of Boreholes- 5 Nos. of 60 m each; Total Drilling: 300 m; Completion Time - 10 months; Review after: 4 and 8 months

S.No	Item of Work	Unit	Rates as per NMET SoC (2025-26)		Quantum	Total Amount(Rs)	Remarks
			SoC-Item-SI No.	Rates as per SOC			
A	Geological Work						
1	Geological Mapping(1:12,500)		1.1	18300	131	2397300	man days
2	Geologists(HQ)days, pre & post field interpretation	Per Day	1.2 a	10500	45	472500	man days
3	Pitting-50 Nos. each one size 1*1*1m (1 Cu.m each)	Per Cu.m	2.1.2	4725	50	236250	cu.m (as per requirement)
5	sampler	per day	1.2.1b	7,850	40	314000	man days
6	Labour(4 labour) attached to sampler	per day	5.8	541	160	86560	labour days
Sub-Total -A						3506610	
B	Drilling						
1	Drilling in Hard rock/ Strata: borehole upto 400m Depth	Per meter	2.2.1.1d	10,000	300	30,00,000	5 Bore Holes(each 60m depth) 6*50
2	Charges for one Geologist- Field	day	1.2.1a	14,500	20	2,90,000	For Core logging and sampling
3	2 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	40	21,640	
4	Construction of BH pillar(12**12**30")	Per BH	2.2.7a	2,000	5	10,000	

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5	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)	For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost		7,50,000	
							150 m of core to be preserved. Excluding soil/WZ (1 complete BH + 90 m)
6	Compensation for 5 Bhs	per BH	5.6	30000	5	1,50,000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole
Sub total-B						42,21,640	
C	Laboratory Studies						
1	For PGE (ICP-MS Ni-S Fire Assay Technique)	Per sample	4.1.6	13600	100	1360000	50 core samples + remaining 50 BRS and core samples
	Check samples		4.1.6	13600	10	136000	
2	Pit Sample: HR-ICP MS (REE & Trace)	Per Sample	4.1.16f	7400	50	370000	Pit, Core
	Check samples		4.1.16f	7400	5	37000	
3	BRS 100 samples: HR-ICP MS (REE & Trace)	Per sample	4.1.16f	7400	100	740000	
4	Core drilling Samples: HR-ICP MS (REE & Trace)	Per sample	4.1.16f	7400	50	370000	

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	Check samples		4.1.16f	7400	5	37000	
5	Preparation of standard thin section	Per sample	4.3.1	500	50	25000	
6	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Per sample	4.3.4	2800	50	140000	
7	EPMA	Per Hour	4.4.1	10500	20	210000	
	Sub-total-C					3425000	
	TOTAL (A+B+C)					1,11,53,250	
D	Preparation of Exploration Proposal						
	(5 Hard copies with a soft copy)		5.1	2% of approved project cost or 5 lakh whichever is lower		223065	2% of the Project cost.
E	Geological Report						
	(5 Hard copies with a soft copy)		5.2 (ii)	Total cost exceeding ₹50 lakh but less than 150 lakh: ₹2.5 lakh		250000	5% of the Project Cost.
F	Peer Review		As per EC Decision	30,000		30,000	
G	Project Cost without GST					1,16,56,315	
H	18% GST					20,98,137	

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I	Total Project Cost				1,37,54,452	
	Rs. In Lacs				137.54	
Note:						
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.					
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.					
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.					
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.					
5	Any item of work not mentioned above shall be added as per SoC.					
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency					

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Annexure 3B

Time Schedule/ Action Plan for Reconnaissance survey (G4) for Ni, Cr and PGE in Charoti Area, Palghar District, Maharashtra											
S.no	Activity	Months									
		1	2	3	4	REVIEW	5	6	7	8	REVIEW
1	Geologist HQ Days										
2	Geologist Days Field										
3	Sampling (Pitting & Trenching)										
4	Laboratory Studies										
5	Core Drilling										
6	Survey Party Days										
8	Post Field Interpretation										
9	Report Compilation & Submission										

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Agenda 87.2: Project evaluation of Procurement Proposal

Agenda 87.2.1. Financial Assistance from NMEDT funds to procure Machinery, Laboratory Equipment/instruments etc. aimed at enhancing the exploration activities in the state of Sikkim.

[Implementing Agency: DMG Sikkim]

- a. The agency did not present the proposal.

Recommendations of TCC-1:

The agency did not present the proposal.

Agenda 87.3 Proposal under scheme for partial reimbursement of exploration expenses for the holder of composite licenses

Agenda 87.3.1. Reconnaissance Survey for Lithium and REE in Katghora area, Korba District, Chhattisgarh.

[Implementing Agency: Maiki South Mining Pvt. Ltd.]

- a. The agency informed that they are proposing partial reimbursement of exploration expenses for holders of Composite Licences under NMEDT scheme.
- b. The proposal had earlier been discussed in 83rd and 85th meeting of TCC-I.
- c. The committee reviewed the proposal and opined that the exploration scheme carried out by the agency should be discussed by the Technical-cum-Cost Committee (TCC) of NMEDT for technical validation and alignment with NMEDT guidelines. The progress of work should be periodically reviewed by the TCC to ensure alignment with approved objectives and technical standards.
- d. The agency apprised the committee that they have submitted the scheme to NMEDT that has been submitted to IBM.
- e. The agency presented the cost sheet as per the revised SoC in the meeting.
- f. The committee opined that progress of work will be reviewed every three months and analysis of samples to be done from NABET accredited labs only.
- g. However, the committee opined that there is a need of SoP, to verify the quantity of work carried out by the CL holder and certify their bills, in line with the procedure for certifying the bills of NPEAs in respect of mineral exploration carried out by them under the Scheme for engagement of NPEAs.
- h. The committee agreed for granting of partial reimbursement, however the decision is on hold in want of SoP or guidelines under which the partial reimbursement scheme would be implemented.

Recommendations of TCC-1:

The Committee agreed to grant partial reimbursement; however, the decision would be finalized only after the SOP or guidelines under which the partial reimbursement scheme is to be implemented are finalized.

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Agenda 87.4: Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 87.4.1. Reconnaissance Survey (G-4) for Tungsten, REE and Associated minerals in and around Nellie Area (114.96 sq. km), Morigaon and West Karbi Anglong Districts, Assam

[Implementing Agency: MECL]

- a. MECL informed that the project was approved in the 37th EC Meeting held on 23rd September, 2024. The Sanction Order was issued on 22nd October, 2024 with timeline of 10 months (up to 21.08.2025) and approved cost was INR 264.31 Lakhs. Time line was extended upto 28.02.2026 during 3rd meeting of PSC.
- b. The agency apprised the committee that the project was reviewed in 85th TCC-I meeting and the committee had suggested Auger drilling of 200 m covering the whole area. The auger drilling was suggested to further evaluate the two potential zones (Zone-I: 20 sq km; Zone-II: 5 sq km) identified by the agency.
- c. The cost of project was revised due to addition of auger drilling in place of initially approved drilling for hard rock.

Recommendations of TCC-1:

The item is recommended to PSC, NMEDT for revision of cost from Rs. 264.31 lakh to Rs. 140.72 lakh with a change in amount of (-) Rs 123.59 lakhs (~46.75% de-escalation) as per Annexure-4.

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**Revised Cost Estimate of Reconnaissance Survey (G-4 Stage Exploration) For REE & associated minerals in and around Nellie area,
Part of districts: Morigoan & West Karbi Anglong, State: Assam**
Total Area - 51.37 sq km; Completion Time -10 Months, Review after 5th Months, Auger Drilling 200m, BH 40 Nos

S.N	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
			SoC- Item -Sl No.	Rates as per SoC	Qty.	Total Amount (Rs)	Qty.	Total Amount (Rs)	
A	GEOLOGICAL WORK						High Terrain Factor		
a	Charges for Geologist at field for Large scale mapping (1: 12,500 channel sampling, drilling and Pitting	day	1.2	11,000	120	13,20,000	3.35	120	44,22,000
b	Labour Charges for Geologist;	day	5.7	522	240	1,25,280	3.35	240	4,19,688
c	Charges for Sampler for geochemical, channel samples	one sampler per day	1.5.2	5,100	32	1,63,200	3.35	32	5,46,720
d	Labour Charges for Sampling Work; Base rate - Rs. 522/ per day	day	5.7	522	128	66,816	3.35	128	2,23,834

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e	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.6.2	19200	5	96000	3.35		-	5 Core Drill BHs
	Sub-Total A					17,71,296			56,12,242	
B	PITTING AND TRENCHING									
a	PITTING	Cu m	2.1.2	3,800	100	3,80,000	3.35	100	12,73,000	
	Sub-Total B					3,80,000			12,73,000	
C.A	DRILLING (Coring)									
1	Core Drilling up to depth of 300m - Hard Rock	m	2.2.1.4a	11,500	200	23,00,000		-	-	
2	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	20,000	5	1,00,000		-	-	
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	5	10,000		-	-	
4	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	4,000	1,44,000		-	-	Approx 4000 km to & fro from Nagpur/ Rig
5	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	3	1,50,000		-	-	
6	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000		-	-	
7	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000		-	-	

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8	Road Making (Hilly Terrain)	Km	2.2.10b	32,200	5	1,61,000		-	
	Sub-Total C.A					33,65,000		-	
C.A	DRILLING (Auger) (Outsourced)								
1	Auger Drilling Soft Strata	m	2.2.2	4,760	-	-	1.5	200	14,28,000
2	Tendering process cost	One time	2.3	2% of the approved project cost or 5 lakh whichever is lower will be paid one time to Exploration Agency	-				
3	Operational Charges	One time	6.iii	In case of total outsourced cost up to ₹50 lakh: In addition, 10 percent of the total outsourced cost will be paid to EA towards operational charges.	-			1,42,800.0	Technical Supervision cost shall be 10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh. (As per SoC 2025-26)
	Sub-Total C				-			15,70,800	
	Sub Total A to C				55,16,296			84,56,042	
D	Additional Rate for exploration work in remote and inaccessible terrain in North Eastern States		para 5 of SoC	3.35 times than the normal SoC rate		1,84,79,592	1.5 times than the normal SoC rate	-	Multiplication factor added individually

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	and Hilly Terrain of Himalaya								
	Sub-Total D							-	
E	Charges for Geologist at HQrs for data processing	day	1.3	9,000	30	2,70,000		30	2,70,000
	Sub-Total E							2,70,000	
F	LABORATORY STUDIES								
1	<u>Chemical Analysis</u>								
	Primary Samples Surface + Pit + Heavy Minerals+BH Core Samples)								
i)	Primary samples								
	a. REE , RM and associated Trace Elements (34 Element)by ICPMS	Nos	4.1.14	7,731	220	17,00,820		220	17,00,820
iii)	External check samples (10%)							-	
	a. REE , RM and associated Trace Elements (34 Element)by ICPMS	Nos	4.1.14	7,731	22	1,70,082		22	1,70,082
iv)	Whole Rock Analysis for Major Oxides	Nos	4.1.15a	4,200	10	42,000		10	42,000

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2	<u>Physical & Petrological Studies</u>									
i)	Preparation of thin section	Nos	4.3.1	2,353	10	23,530		10	23,530	
ii)	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320		10	42,320	
iii)	Preparation of polish section	Nos	4.3.2	1,549	10	15,490		10	15,490	
iv)	Complete mineralographic study report	Nos	4.3.4	4,232	10	42,320		10	42,320	
v)	Digital Photographs	Nos	4.3.7	280	10	2,800		10	2,800	
vi)	XRD Study	Nos	4.5.1	4,000	10	40,000		10	40,000	
vii)	Separation of Heavy Media through Gravity and magnetic separation	Nos	4.3.6b	13,820	20	2,76,400		20	2,76,400	20 Nos Stream Sediment Samples and 20 Nos Pit samples will be Subjected to Heavy mineral Separation, Items will be outsourced
viii)	Separation of Heavy Media by liquid	Nos	4.3.6a	2,380	20	47,600		20	47,600	
ix)	EPMA Study	Hour	4.4.1	8,540	5	42,700		5	42,700	
ix)	Operational Charge = (F.2.vii+F.2.viii+F.2.ix) X 10%		6.0 (i)	10% of Total outsourced Cost in case of total ousouce cost up to 50 lakh		-		-		
	Sub-Total -F					24,46,062			24,46,062	
G	Total D+E+F					2,11,95,654			27,16,062	
						Sub total (A+B+C+D+E+F)			1,11,72,104	

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H	Tender Process Cost			2% of the project cost or 5 Lakhs which ever will be lower		-			-	
I	Geological Report Preparation	5 Hard copies with a soft copy	5.2	For the projects having cost exceeding Rs 150 Lakh but less than 300 lakh, A minimum of Rs 7.5 Lakh or 3% of the work whichever more and Rs 3000/- per each additional copy		7,50,000			5,00,000	For the projects having cost exceeding Rs 50 Lakh but less than 150 lakh, A minimum of Rs 2.5 Lakh or 5% of the work whichever more and Rs 3000/- per each additional copy EA has to submit 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			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. 5.00 Lakhs whichever is lower		4,23,913			2,23,442.07	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.
L	Total Estimated Cost without GST					2,23,99,567			1,19,25,546	
M	Provision for GST (18% of L)	%				40,31,922			21,46,598	GST will be reimburse as per actual and as per notified prescribed rate

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N	Total Estimated Cost with GST				2,64,31,489			1,40,72,144	
	<i>or Say Rs. , In Lakhs:</i>				264.31			140.72	Difference 123.59 Lakhs, 46.75% less than original 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 as per the Paragraph 6 of NMEDT SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.									
4 Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.									
5 Any item of work not mentioned above shall be added as per SoC.									
6 All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency									

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Agenda 87.4.2. Preliminary Exploration (G3) for Tungsten & Associated Minerals in Bodkipet block (intervening area between Kuhi and Khobna blocks), District: Nagpur, Maharashtra

[Implementing Agency: MECL]

- a. MECL informed that the project was approved in the 39th EC Meeting held on 24th January, 2025. The Sanction Order was issued on 24th February, 2025 with timeline of 12 months (up to 23.02.2026) and approved cost was INR 4,15,32,062/-.
- b. The agency apprised the committee of progress of work and informed that GM on 1:2000 scale is completed for 5.39 sq. km. 15 BRS samples out of 40 has been collected and analysed.
- c. 3 greisen zones (center of the block) has been identified with 1 or 2 greisen bodies of potential mineralization. Out of 15 BRS/Channel samples, 8 BR samples indicated >100ppm W (106.43 - 200.17 ppm).
- d. Ground geophysical survey comprising IP-Resistivity, SP, and magnetic surveys was carried out over the block (5.39 sq. km), covering a cumulative length of 60 L km. High chargeability & resistivity zones with moderate to strong magnetic anomalies corresponds to tungsten mineralized areas.
- e. Based on the outcome of Geological mapping, Surface Sampling results & Ground Geophysical survey, the agency proposed exploratory drilling plan for first level intersections.
- f. The committee reviewed the progress of work and suggested the agency to do trenching, wherever possible and then plan drilling.
- g. The committee also suggested that the agency to continue the work and get the further progress reviewed in the month of February, 2026.

Recommendations of TCC-1:

The committee suggested the agency to continue the work and get the further progress reviewed by committee in the upcoming meetings in the month of February, 2026.

Agenda 87.4.3. Preliminary exploration (G3) for molybdenum in Vellakkal North Block (2.90 Sq.Km.) & Vellakkal South Block (1.55 Sq.Km.), Uttangarai Sector, Haru-Uttangarai Belt, District-Krishnagiri, Tamil Nadu.

[Implementing Agency: MECL]

- a. MECL informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The Sanction Order was issued on 12th December, 2024 with timeline of 15 months (up to 11.03.2026) and approved cost was INR 4,15,32,062/-.
- b. The agency apprised that the exploration activities (Phase-I) i.e., Detailed Geological Mapping (1:4000 scale), Geochemical Sampling and Surface geophysical survey has been completed.
- c. A total of 47 surface bedrock/channel samples were analysed for Mo, Sn, W, Ag, and Bi. Of these, 11 samples recorded Mo values exceeding 20 ppm. Similarly, 11 out of the 47 samples also showed W values greater than 100 ppm.

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- d. Ground geophysical surveys indicated the presence of anomaly zones in both blocks. Based on integrated geological mapping, geochemical sampling, and the delineated geophysical anomalies, a total of 21 boreholes (2,490 m) in the Vellakkal North Block and 13 boreholes (1,510 m) in the Vellakkal South Block were proposed.
- e. The committee reviewed the progress of work.
- f. The committee also suggested that the agency to continue the work and get the further progress reviewed in the month of March, 2026.

Recommendations of TCC-1:

The committee suggested the agency to continue the work and get the further progress reviewed by committee in the upcoming meetings in the month of March, 2026.

Agenda 87.4.4. Reconnaissance Survey for gold and associated minerals in Killarhatti area, Koppal & Raichur, Karnataka.

[Implementing Agency: Mining Tech and Consultancy Services Ltd.]

- a. MTCS Ltd. 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 10 months (up to 05.12.2025) and approved cost was INR 3,74,34,976/- . Timeline was extended upto 05.05.2026 during 3rd PSC meeting.
- b. The agency apprised the committee about the progress of work and informed that Geological mapping and sampling commenced in July 2025; 14 sq. km of LSM out of 14 sq. km. is completed. Bedrock samples (124) and stream sediment samples (4) collected.
- c. Magnetic surveys partially completed (62 line-km of approved 100 line-km), while SP survey is not initiated. Geophysical survey is halted due to stiff resistance from locals.
- d. The agency also apprised that the DC, Raichur has issued directives to the concerned Tehsildar to extend support and discussion with locals is in progress.
- e. The agency presented the progress of work and apprised the committee that the TMI (Total Magnetic Intensity) map has magnetic intensity varying from 42446 to 42949 nT (~500 nT).
- f. The agency also presented the analytical (chemical) results received so far (74 samples) and apprised the committee that value of Au ranged from 0.001 to 0.579 ppm, value of Ag ranged from 1.00 to 8.10 ppm. The value of Cu varied from 5.34 to 1215 ppm.
- g. The committee reviewed the progress and suggested that systematic sampling should be carried out in areas where the results were encouraging, and that additional samples should be collected after trenching.
- h. The Committee further advised that all analytical results be compiled and presented, based on which the borehole plan would be formulated.
- i. The Chairman of the TCC-I Committee suggested that the executing agency remain in close coordination with the DMG office and resolve the local issues at the earliest possible.

Recommendations of TCC-1:

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The committee suggested agency to remain in close coordination with the DMG office and resolve the local issues at the earliest possible. The agency is also suggested to come again to get the further progress reviewed by committee after two months.

Agenda 87.4.5. Reconnaissance (G-4) for Manganese around Kandhal area of Rairakhol Tahasil of Sambalpur District, Odisha.

[Implementing Agency: DMG, Odisha]

- a. DMG, Odisha 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 INR 73,94,658/-.
- b. The project was reviewed in 81st and 83rd meeting of TCC-I and the committee was apprised that due to forest clearance issue, drilling could not be completed. The committee had recommended for submission of GR and cost was revised accordingly.
- c. However, PSC in its 3rd meeting deferred the cost revision and timeline extension and was of view that the drilling component of the project may be completed.
- d. The Committee suggested that, in view of the revised norms for forest clearance related to exploration, the agency should re-pursue forest clearance for drilling and make efforts to complete the project.
- e. Timeline extension upto 31.03.2026 is recommended for completion of drilling and submission of GR.

Recommendations of TCC-1:

The Committee suggested that, the agency should re-pursue forest clearance for drilling. Timeline extension upto 31.03.2026 is recommended for approval of PSC, NMEDT. The timeline extension is recommended for completion of drilling and submission of GR.

Agenda 87.4.6. Reconnaissance Survey (G4) for Graphite in and around Khairmal area, Bolangir District, Odisha.

[Implementing Agency: OMC Ltd.]

- a. The OMC informed that the project was approved in the 37th EC Meeting held on 23th September, 2024. The sanction order was issued on 23rd October, 2024 with timeline of 10 months (up to 22.08.2025) and approved cost was INR 85,26,720/-. Timeline was extended upto 31.12.2025 during 2nd PSC meeting.
- b. The agency informed that LSM on 1:12,500 scale has been completed and 10 samples of bedrock collected for analysis. The analysis of these 10 samples have yielded F.C. from 0.04% to 2.60%. Four samples have yielded values of about 2 to 3%.
- c. The agency sought timeline extension of three months to complete the project.
- d. The Committee observed that no progress had been made since the last review and noted its concern regarding the pace of progress of the work.
- e. The Chairman expressed concern and opined that no further proposals from OMC Ltd. should be considered until the assigned projects are completed.
- f. The GM (Exploration), OMC Ltd., assured that the prescribed timeline would be adhered to for completion of the project.

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Recommendations of TCC-1:

The committee recommended timeline extension upto 31.03.2026 for approval of PSC, NMEDT. The timeline extension is recommended for completion of project and submission of GR.

Agenda 87.4.7. Reconnaissance survey (G4) for Graphite in Dhourakhaman area (60.0 Sq. Km), District: Bolangir, Odisha.

[Implementing Agency: OMC Ltd.]

- a. The OMC 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 INR 89,11,129/- . Timeline was extended upto 31.12.2025 during 2nd PSC meeting.
- b. The agency informed that LSM on 1:12,500 scale has been completed for 60 sq. km., out of assigned 60 sq. km.
- c. The agency sought timeline extension of three months to complete the project.
- d. The Committee observed that very little progress had been made since the last review and only mapping was completed. The committee noted its concern regarding the pace of progress of the work.
- e. The Chairman expressed concern and opined that no further proposals from OMC Ltd. should be considered until the assigned projects are completed.
- f. The GM (Exploration), OMC Ltd., assured that the prescribed timeline would be adhered to for completion of the project.

Recommendations of TCC-1:

The committee recommended timeline extension upto 31.03.2026 for approval of PSC, NMEDT. The timeline extension is recommended for completion of project and submission of GR.

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List of participants who attended the 87th Meeting of Technical-cum-cost Committee (TCC-I) of NMEDT held on 22nd and 23rd December 2025, through video conferencing mode

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