Ministry of Mines
National Mineral Exploration Trust
Minutes of the 69th Technical-cum-Cost Committee (TCC) meeting held on 26th, 27th and 30th September, 2024 through video conferencing

The 69th meeting of the Technical-cum-Cost Committee-I (TCC-I) of the National Mineral Exploration Trust (NMET) was held via video conferencing under the chairmanship of Dr. S. Ravi, Deputy Director General (DDG), Geological Survey of India (GSI) and Chairman, TCC, NMET, on 26th, 27th, and 30th September 2024. All the members of TCC-I attended the meeting in person at GSI, DGCO, Pushpa Bhawan, New Delhi, on 26th and 27th September while the NEAs and NPEAs participated through online from their respective places. On 30th September, members joined via video conference from their respective locations, while all other agencies participated online throughout the entire meeting.

Members of TCC-NMET and representatives from DGM, Chhattisgarh, DMG, Karnataka, DMG, Odisha, DMR, Meghalaya, CSIR-IMMT, Bhubaneswar, MECL, KIOCL, CMPDI, OMC, MPSMC, GMSPL, Geovale, UEIPL, Gemcokati, GeoExplore, GeoMarine, PRBI etc have attended the meeting through their respective VC modes.

The list of participants is at Annexure-1.

Dr. S. Ravi, DDG, GSI and Chairman, TCC-I, extended a warm welcome to all TCC members and participants representing various Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs) and invited General comments/ suggestions if any from the member of TCC-I. For which Shri S.K. Adhikari, Chief Mining Geologist, IBM and TCC member, stated that the Schedule of Charges (SoC) for NMET should be reviewed due to changing circumstances over time. He further suggested that a software/ programme may be contemplated by NMET to have the parity in target fixation in NMET funded project. Dr. E.V.S.S.K. Babu, Scientist (G), NGRI and TCC member, emphasized the importance of all agencies clearly provide their manpower and capacity when submitting proposals for their items.

On 27th Sept' 2024, Smt. Geetika Sharma, Deputy Secretary, NMET, Ministry of Mines addressed the meeting with the formal greeting and wishes to the committee members. In her address Smt. Geetika Sharma asked both the teams of TCC to confabulate regularly to adopt and promote new technologies in the field of mineral exploration. She informed that the committee about the plan by ministry to host a separate portal under NMET to facilitate the NEAs and NPEAs to submit the proposals online as well as for efficient monitoring of NMET funded projects. Further, she urged the members of both the TCCs to ensure uniformity in decision especially with regard to quantum and cost of the approved projects.

Subsequently, the proceedings of meeting were initiated as per circulated agenda

Agenda 69.1 Review of Ongoing Projects/Completed Project & Timeline Extension

Agenda 69.1.1. Reconnaissance survey (G4) for PGE, Nickel, Cobalt and Gold in Rangapura Block, District: Hassan, Karnataka
[Implementing Agency: MECL]

Agenda 69.2.7. Preliminary Exploration (G-3) for Limestone in Akapur Block (6.52 sq. km), Yavatmal District, Maharashtra.
[Implementing Agency: MECL]

a. The study area forms a part of the Penganga Beds or Penganga Series and falls in SOI toposheet no. 55L/16.

b. The Akapur Limestone block was established based on lapsed lease areas by the Maharashtra State Government. The block was granted under section 10(A) 2(B) of the MMDR Act, 2015. The block has been assigned to MECL by DGM, Maharastra

c. Geological Survey of India, carried out systematic geological mapping in parts of toposheet no 56 I /09, 56 I/13 and 56 I/14 in field season 1984-85 and mapped the limestone bands as Penganga beds

d. In 1997, M/s Ku. Shailaja D. Dahule and Ku. Varsha Prabhakar Thakre conducted prospecting in the Akapur area (20.15 hectares) through five pits and one trench, establishing a limestone resource of 4.0 million tonnes in the block.

e. The limestone is fine-grained, massive, and ash-grey to black in color. It primarily occurs in compact, jointed, and homogeneous beds, without solution cavities or voids. The limestone in the area contains CaO ranging from 46.52% to 50.69%, MgO from 2.66% to 3.43%, and SiO_2 from 2.2% to 4.3%.

f. The committee reviewed the item thoroughly and agrees to the proposal.

Recommendation of TCC:

The committee recommended the proposal for the approval of EC for "Preliminary Exploration (G-3) for Limestone in Akapur Block, Yavatmal District, Maharashtra" with an estimated cost of Rs. 97.21 lakhs (including GST) within time schedule of 10 months and submission of report as per Annexures 6A & 6B. The item will be reviewed after 5 months.

Agenda 69.2.8. Reconnaisance Survey (G4) for precious metals, REE, Base metals and strategic minerals in Kosgi Block Vikarabad and Narayanpet Districts, Telangana.
[Implementing Agency: Critical Mineral Trackers]

a) The area in and around Kosgi represents northern, North -Western part of the eastern Dharwar Craton of the Peninsular India and falls in part of SOI toposheet no. 56H/9.

10/10/24

10/10/2024

Annexure 6A

Estimate cost for Preliminary Exploration (G-3) for Limestone in Akapur Block (6.52 sq. km), Yavatmal District, Maharashtra
Nos. of Borehole - 07; Borehole depth range - 50m (BGL); 350m drilling Completion Time - 10 Months, Review : after 5 months

S.N	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl No.	Rates as per SoC	Qty.	Total Amount (Rs)	
A	**GEOLOGICAL WORK**						
1	**Mapping (1:4000), Borhole logging & Sampling & Report writing**						
a	Charges for one Geologist per day at HQ	day	1.3a	9,000	30	2,70,000	
b	Charges for one Geologist per day at field	day	1.3b	11,000	100	11,00,000	
c	Labour for Geologist (2 Nos)	day	5.7	522	200	1,04,400	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
d	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5,100	41	2,09,100	
e	Labours for sampling work (4 Nos)	day	5.7	522	164	85,608	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
2	**Survey (on 1:4000 Scale), Topographical Mapping**						
a	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and block cardinal points by DGPS	Per Point of observation	1.6.2	19,200	12	2,30,400	Block cardinal point- 5 Borehole- 7

10/10/24

10/10/2024

b	Charges of one Surveyor (1 Party)	one surveyor per day	1.6.1a	8,300	30	2,49,000	Contouring at 2m interval
c	Labours (4 Nos)	day	5.7	522	120	62,640	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub-Total A					**23,11,148**	
B	**DRILLING - in- house**						
1	Drilling -Soft rock	m	2.2.1.1b	7,168	350	25,08,800	MoC Rate
2	Land / Crop Compansation (in case the BH falls in agreecultural Land)	per BH	5.6	20,000	7	1,40,000	Amount will be reimburse as per actuals or max. Rs. 20000 per BH with certification from local authorities
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	12	24,000	
4	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	400	14,400	To & fro
5	Monthly Accomodation Charges for drilling Camp (up to 1 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	
8	Road Making (Flat Terrain)	Km	2.2.10a	22,020	4	88,080	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed accordingly.
9	Drill Core Preservation	per m	5.3	1,590	320	5,08,800	
	Sub Total B					**39,34,080**	
C	**LABORATORY STUDIES**						

1	**Chemical Analysis**						
i)	**Primary samples**						
	a. For 10 radicals i.e. CaO, MgO, Al2O3, SiO2, Fe2O3, SO3, P2O5, K2O, Na2O and LOI by XRF	Nos	4.1.15a	4,200	300	12,60,000	
ii)	**External Check samples (10%)**						
	a. For 9 radicals i.e. CaO, MgO, Al2O3, SiO2, Fe2O3, SO3, P2O5, K2O and LOI by XRF	Nos	4.1.15a	4,200	30	1,26,000	
iii)	**Petrological samples (Bh Core Samples)**						
i	Preparation of thin section	Nos	4.3.1	2,353	5	11,765	
ii	Study of Thin Section	Nos	4.3.4	4,232	5	21,160	
iv)	**Bulk Density Determination**						
	Bulk Density	No.	4.1	3,540	2	7,080	
	Total - C					**14,26,005**	
D	**Sub Total (A to C)**					**76,71,233**	
E	**Geological Report Preparation**		**5.2**	**For the projects exceeding Rs. 50 Lakhs but less than 150 Lakhs: A Minimum of Rs. 2.5 lakhs or 5% of the work whichever is more**		**3,83,562**	EA has to submit the final Geological Report in Hard Copies (5 Nos) and soft copy to NMET

F	**Preparation of Exploration Proposal (5 Hard copies with a soft copy)**	**5 Hard copies with a soft copy**	**5.1/28th EC**	**2% of the Cost or Rs. 5.0 Lakhs whichever is lower**		**1,53,425**	EA has to submit the Hhard copies and soft copies of final proposal along with maps and plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
G	**Peer review Charges**		**As per EC decision**			**30,000**	Cost Estimated for two peer review of 2 blocks seperately (Naddisinur-1 and Naddisinur-2 Blocks)
H	**Total Estimated Cost without GST**					**82,38,219**	
I	**Provision for GST (18% of H)**	**%**				**14,82,879**	GST will be reimburse as per actual and as per notified prescribed rate
J	**Total Estimated Cost with GST**					**97,21,099**	
				Rs. In Lakhs		***97.21***	
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 as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execusion of the project by NEA on its own, a Certifiate 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.**						

10/10/24

10/10/2024

Annexure 6B

Time Schedule/ Action Plan for Preliminary Exploration (G-3) for Limestone in Akapur Block (6.52 sq. km), Yavatmal District, Maharashtra

Sl. No.	Activities	Unit	MONTHS									
			1	2	3	4	5	Review	6	7	8	9	10
1	Camp Setting	Month											
2	Surface Drilling (1 rig)	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	Camp Winding	Month											
7	Laboratory Studies	Nos.											
8	Geologist Party days in HQ (1 Party)	day											
9	Geological Report Writing with Peer Review	Month											