

Ministry of Mines
National Mineral Exploration Trust
Minutes of the 74th Technical-cum-Cost Committee-1 (TCC-1) meeting held on
20th and 21st February, 2025 through video conferencing

The 74th meeting of the Technical-cum-Cost Committee-I (TCC-1) 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 Training Institute (GSITI) and Chairman, TCC-1, NMET, on 20th and 21st February, 2025.

Members of TCC-1, NMET and representatives from DGM Chhattisgarh, DMG Karnataka, DGM Maharashtra, GSI, MECL, OMC Ltd, Geo Exploration and Mining Solutions, Gemcokati Exploration Pvt Ltd, Geo Marine Solutions Pvt. Ltd., Geo Technical Mining Solutions, Geovale Services Pvt Ltd., Critical Mineral Trackers, APC Drilling & Construction Pvt. Ltd, Indian Mines Planners and Consultants, and Mining Tech Consultancy Services Ltd. have attended the meeting through their respective VC modes.

The list of participants is enclosed in Annexure-1.

Shri C. Parthasarathi, Director, GSI and Member Secretary, TCC-1, NMET, welcomed Dr. S. Ravi, DDG, GSI and Chairman, TCC-1, NMET, Members of the TCC-1 and participants representing various Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs).

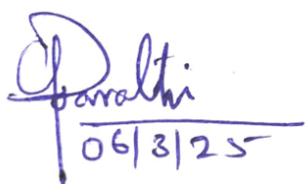
Dr. S. Ravi, Chairman of TCC-1, NMET, extended a warm welcome to all members of TCC-1 and participants representing various NEAs and NPEAs and conducted the proceedings as per circulated agenda.

Agenda 74.1: Technical evaluation of new project proposals

Agenda.74.1.1. Preliminary Exploration (G-3 Stage) for Titaniferous Magnetite in Khursipar Block, District: Gondia, Maharashtra.

[Implementing Agency: MECL]

- a) The proposed area forms a part of Amgaon Gneissic Complex and falls in SOI toposheet no. 64C/07
- b) This is a lapsed lease area under the 10(A) 2(B) case. MECL informed that DGM Maharashtra has requested MECL for further exploration vide Letter No. Tech/1848/2023/3938, dated 22/12/2023) since the initial 10(A) 2(B) area was less.
- c) The lease (0.03 sq. km area), granted to M/s R.R. Shende (27-11-2006 to 27-11-2008) reported 0.026 MT of iron ore resources by sinking six trial pits (1.8–4m depth).
- d) GSI (2006-07) conducted P-1 stage exploration for PGE within Titaniferous magnetite bearing meta-pyroxenites of Khursipar-Manegaon area and reported >1.5% TiO₂ with maximum value upto 15.1% in 15 samples.
- e) Moreover, two mining leases of Maharashtra State Mining Corporation Ltd exist at the north-western boundary of the proposed block area.
- f) The committee stated that DMG, Maharashtra should ensure that block could not be auctioned and got recommended for re-exploration.
- g) The proposed block comprises linear TVM band along with lenses of meta-ultramafites engulfed within granite gneiss. The TVM band is seen trending in N-S direction with pinch and swell structure.


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Recommendation of TCC-1

The TCC-1 recommended Geo Marine Solutions Pvt Ltd to submit the GR at the earliest.

Agenda 74.2.4. Preliminary Survey (G3) for graphite in Lamer-Panga Block-A (13. 99 sq. Km) in Kalahandi district of Odisha.

[Implementing Agency: OMC]

- a) The OMC informed that the project was approved in the 27th EC Meeting held on 10th January, 2023. The sanction order was issued on 03rd February, 2023 with timeline of 16 months and approved cost was INR 2,32,65,315/-.
- b) The agency further informed that the project was reviewed in the 73rd TCC-1 meeting held on 30th and 31st January, 2025 and got recommended time extension upto 31st March 2025 and also to submit revised cost sheet as the actual number of core samples in the project analysed was different from the approved one.
- c) In view of the above, OMC presented the revised cost sheet for the project indicating the actual expenditure incurred in case of outsourced components and 225 nos. of additional samples for chemical analysis. The total revised cost of the project ₹1,54,89,630/-.

Recommendation of TCC-1

The TCC-1 approved the revised cost sheet for “Preliminary Survey (G3) for graphite in Lamer-Panga Block-A in Kalahandi district of Odisha” with additional 225 nos of chemical samples and total revised cost of the project ₹154.90 Lakhs as given at Annexure-4.

Agenda 74.2.5. Preliminary exploration (G-3 Stage) for Gold Exploration in Dimirimunda Block (5 Sq. Km), District: Keonjhar, Odisha.

[Implementing Agency: OMC]

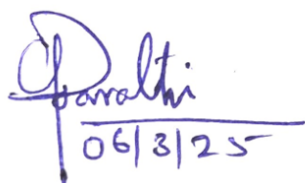
- a) The OMC informed that the project was approved in the 31st EC Meeting held on 12th September, 2023 The sanction order was issued on 05th October, 2023 with timeline of 12 months and approved cost was INR 2,01,98,905/-.
- b) The agency further informed that the project was reviewed in the 73rd TCC-1 meeting held on 30th and 31st January, 2025 agreed for pre-closure of the project and recommended time extension upto 31st March 2025. Further, the committee advised OMC to submit revised cost sheet for the project in next TCC-1.
- c) In view of the above, OMC presented the revised cost sheet for the project indicating the actual expenditure with the total revised cost of the project ₹25,91,450/-.

Recommendation of TCC-1

The TCC-1 recommended for pre-closure of the project “Preliminary exploration (G-3 Stage) for Gold in Dimirimunda Block, District: Keonjhar, Odisha” with revised cost of ₹25.91 Lakhs as given in Annexure-5.

Agenda 74.2.6. Reconnaissance Survey (G-4 Stage) for Graphite in and around Khairmal area (83.34 Sq.km), Bolangir, District, Odisha.

[Implementing Agency: OMC]


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Annexure 1

List of participants attended 74th meeting of Technical-cum-cost Committee (TCC-I) of NMET held on 20th and 21st February, 2025 through video conferencing mode

S.no	Name	Designation	Email ID	Contact No	Organization
1	Dr. S. Ravi,	Dy. Director General, GSITI, GSI Hyderabad	s.ravi1@gsi.gov.in	9441138834	Chairman, TCC-1
2	Shri. I.R. Kirmani	ADG (Retd.), GSI	irkirmani@yahoo.com	9414014723	Member TCC-1
3	Shri. Hemraj Suryavanshi	Addl. Director General (Retd.), GSI	hemraj.nmet@gmail.com	9425603674 7477042176	Member TCC-1
4	Shri. K. Koteswara Rao	Dy.D.G. (Retd.) GSI	kkrao1957@gmail.com	9000117969	Member TCC-1
5	Dr. S. K. Kulshrestha	DDG-RMH-III, NER, GSI, Shillong	s.kulshrestha@gsi.gov.in	9413330658	Member TCC-1
6	Dr.E.V.S.S.K. Babu	Scientist (G), NGRI	evsskbabu@ngri.res.in	9441535852	Member TCC-1
7	Shri.K.L. Mundra	Additional Director, AMD,Hyderabad	klmundra.amd@gov.in	9414785663	Member TCC-1
8	Shri. S.K. Adhikari	Chief Mining Geologist, IBM, Nagpur	skadhikari@ibm.gov.in	7588690545	Member TCC-1
9	Shri. P.K. Maharana	DGM (Finance), NALCO, Bhubaneswar	pmaharana@rediffmail.com	8500669500	Member TCC-1
10	Shri. Ravi Kumar Gupta	General Manager (Finance) HCL, Kolkata	ravi_g@hindustancopper.com	9433274328	Member TCC-1
11	Smt. Vandana	Cost Accounts Officer, RSAS, Bangalore, GSI	vandana@gsi.in	8660939235	Member TCC-1
12	Shri. C. Parthasarathi	Director, GSI & Member Secretary, TCC- NMET, GSI, Bengaluru	c.parthasarathi@gsi.gov.in	9483186932	Member Secretary TCC-1
14	Shri P. Ravindran	GM (Exploration)	ravindran.mecl@gmail.com	9407607309	MECL, Nagpur
15	Shri Shrikant Sharma	Head (Exploration)	shrikant.mecl@gmail.com	9131229758	MECL, Nagpur
17	Shri Swarup Dhara	Manager (Geology)	swarupdhara@gmail.com	9630307282	MECL, Nagpur
18	Md Intazar Alam	Manager (Geology)	intazar.geol1189@gmail.com	9483914347	MECL, Nagpur
19	Shri Shrikant Sharma	Head (Exploration)	shrikant.mecl@gmail.com	9131229758	MECL, Nagpur
20	Shri Mayank Dixit	Asst. Manager (Geology)	mayankdixit@mecl.co.in	9981771626	MECL, Nagpur

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39	Dr. Fareeduddin	Project Coordinator	fareedromani@gmail.com	9886402487	Geo Marine Solutions Private Limited
40	P. Praveen Kumar	Director	praveen@geomarinesolutions.in	8277363919	Geo Marine Solutions Private Limited
41	Aparna C.V	Geophysicist	mail@geomarinesolutions.in	9061467262	Geo Marine Solutions Private Limited
42	Dr. Langaraj Sahoo	Sr. Manager(Geology)	lingaraj.sahoo@odishamining.in	9437603370	OMC Ltd.
43	Dr. Vanit Patel	Junior Professional Geologist	vanit@idpex.in	7984822241	OMC Ltd.
44	Mr. Pravasa Ranjan Chinara	Senior Professional Geologist	pravasa@idpex.in	8349201158	OMC Ltd.
45	Mr.G.Umamaheswaran	Sr.Geologist	info.gtmsdpi@gmail.com	9790462882	M/s.Geo Technical Mining Solutions, Dharmapuri
46	Mr. BL Mallikarjun	Chief General Manager	cgmexploraiton@apcdrilling.co	9422801575	APC Drilling & Construction Pvt Ltd, Namakkal, TN
47	Mr. CS Ramesh	General Manager	gmexploraiton@apcdrilling.co	9980544027	APC Drilling & Construction Pvt Ltd, Namakkal, TN
48	Mr. Atul Rathore	DGM	dgmexploraiton@apcdrilling.co	7011884417	APC Drilling & Construction Pvt Ltd, Namakkal, TN
49	Dr. Bijay Krishna Nandi	Deputy Director General(Geophysics)	bijay.nandi@gsi.gov.in	7044062193	Geological Survey of India
50	Dr. Shuva Shankha Ganguli	Director(Geophysics)	shuva.ganguli@gsi.gov.in	8985409410	Geological Survey of India
51	Dr. Sabyasachi Nag	Senior Geophysicist	sabyasachi.nag@gsi.gov.in	8637516529	Geological Survey of India
52	Dr. Joy Gopal Ghosh	Principal (Geology & Exploration)	joygopal.ghosh@geovale.com	9999681366	Geovale Service Pvt. Ltd., Kolkata
53	Dr. Taraknath Pal	Associate Principal (Exploration)	tarakpal22@gmail.com	6300985508	Geovale Service Pvt. Ltd., Kolkata
54	Dr. Suparna Goswami	Sr. Project Manager (Exploration)	suparna.goswami@geovale.com	9874320018	Geovale Service Pvt. Ltd., Kolkata

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Revised Estimated Cost for Preliminary exploration (G3) for Gold in Dimirimunda Block, District: Keonjhar, Odisha
Area - 5.00 sq. km, No.of BH: NA; Timeline- 05th October, 2023 onwards
Implementing Agency - OMC

Sr. No.	Item of Work *	Unit *	Rates as per NMET SoC 2020-21		Aproved Estimated Cost of the Proposal		Revised Cost of the Project				Remarks / Justification
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	SoC-Item No. *	Qty.	Total Amount	Change in %	
A	Geological Work										
1	Geological mapping, (1:2000 scale) & Sampling										Completed
a	Charges for Geologist per day (HQ)	Day	1.3	9,000	40	3,60,000	9,000	40	3,60,000	0.00	
b	Charges for Geologist per day (field)	Actual	1.3	11,000	150	16,50,000	11,000	120	13,20,000	0.00	
c	Labours(2 no.s/Geologist)	Day	5.7	494	300	1,48,200	494	240	1,18,560	0.00	Assisted the Geologists in Mapping, sample collection and support.
d	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5,100	13	66,300	5,100	7	35,700		

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e	Labours (4 Nos/ Sampler)	Day	5.7	494	52	25,688	494	28	13,832		
f	Surveyer	One surveyer per day	1.6.1a	8,300	30	2,49,000					
g	DGPS Survey	per point of observation	1.6.2	19,200	10	1,92,000					
2	Trenching										
a	Excavation of Trenches upto 2m depth	per cu m.	2.1.1	3,330	40	1,33,200		-	-	NA	Trenching was not carried out due to dense forest and BRS Samples yielding negative results
	Sub Total- A					28,24,388			18,48,092	0.00	
B	Petrological samples(surface & BH core samples)										
i	preparation of standard thin sections	Nos	4.3.1	2353	10	23530		0	-	NA	
ii	Complete Petrographic/Ore microscopy Study/Mineragraphic	Nos	4.3.4	4232	5	21160		0	-	NA	
iii	Preparation of unmounted polished section of rock	Per sample	4.3.3	1185	10	11850		0	-	NA	
	Sub-Total B					56540			-		
C	Digital photograph of thin polished section										
	Digital photographs	Nos	4.3.7	280	10	2800		0	0	NA	

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	Sub-Total C					2800			0	NA	
D	Laboratory Studies										
1	Chemical Analysis										
a	Primary Samples for Gold by fire assay (40 BRS+20 trench+40 BH core)	Nos	4.1.5a	2380	70	166600	2380	51	121380	72.86	72.86% utilised
b	Check Sample for Gold by fire assay(10% External)	Nos	4.1.5a	2380	7	16660	2380	3	7140	42.86	42.86% utilised
c	Gold Analysis by AAS method(MIBK Method)	Per sample	4.1.6	1557	30	46710		0	0	NA	
d	Check Sample AAS Method	Per sample	4.1.6	1557	3	4671		0	0	NA	
	Sub-Total D					234641			128520		
E	Geophysical Survey										
a	Induced Polarization(Dipole-Dipole)	line km	3.4a	69950	20	1399000		0	0		
	Sub Total- E					1399000					
F	Drilling(After Review)										
a	Drilling upto 300m (Hard Rock)	m	2.2.1.4a	11500	1000	11500000		0	0		Surface sampling yielded negative results, so drilling was not carried out.
	Sub-Total F					11500000			0		

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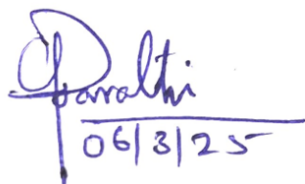
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	Total (A to F)					16017369			1976612		
G	Preparation of Exploration Proposal(5 Hard copies with a soft copies)	5 Hard copies with a soft copy	5.1	2% of the cost subject to a maximum of Rs. 5 lakh		320347			39532		Yet to be incurred; EA has to submit the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
H	Geological Report Preparation	5 Hard copies with a soft copy	5.2	For the projects having cost exceeding Rs. 150 laks but less than Rs.300 lakh-A mininum of Rs.7.5 lakh or 3% of the value of work whichever is more		750000			150000		Yet to be incurred; Reimbursedment 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			30000			30000		Yet to be incurred
J	Total Estimated Cost without GST					17117716			2196144		
K	Provision of GST @ 18%					3081188.88			395306		

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L	Total Estimated Cost with GST					20198904.88			2591450		
	Or say in Lakhs (Rs)					201.9890488			25.91		
Note:	Advance of 80.79 Lakh received on 5th October, 2023										
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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