

**Ministry of Mines**  
**National Mineral Exploration Trust**  
**Minutes of 42<sup>nd</sup> Executive Committee (EC) meeting, NMET**  
**held on 2.6.2025**  
**Venue: Khanij Kaksh, Shastri Bhawan**

The 42<sup>nd</sup> meeting of Executive Committee (EC) of NMET was held under Chairmanship of Shri V. L. Kantha Rao, Secretary, Mines/Chairman EC on 2<sup>nd</sup> June, 2025 at Shastri Bhawan, New Delhi in hybrid mode. The list of participants is given in Annexure-1. Shri Vivek Kumar Bajpai, Joint Secretary/Member Secretary, EC welcomed the Chairman, EC, all members, technical experts and invitees in the meeting. The issues discussed and decisions taken in the meeting are as under:

**Agenda 42.1: Confirmation of minutes of 41<sup>st</sup> Meeting of EC held on 11<sup>th</sup> March, 2025.**

The minutes of the 41<sup>st</sup> EC meeting were circulated on 13<sup>th</sup> March, 2025. No comments were received from the members.

**Decision:** EC confirmed the minutes of the 41<sup>st</sup> meeting of Executive Committee (EC).

**Agenda 42.2: Action Taken Report (ATR) on the minutes of 41<sup>st</sup> EC meeting**

EC was briefed on the action taken on decisions taken during the 41<sup>st</sup> EC meeting. Discussion on the actionable points is given as under:-

- i. Regarding the surveillance assessment reports of NPEAs by QCI Nabet, the representatives of QCI-Nabet apprised EC that out of 16 NPEAs, surveillance assessment of 13 NPEAs has been carried out and assessment of rest of the 3 NPEAs will be completed by 10<sup>th</sup> June, 2025. QCI-Nabet further apprised to ensure timely mid-term surveillance assessment and reassessment of NPEAs, they are sending emails to concerned agencies. They have also prepared a calendar reflecting the due dates for mid-term surveillance assessment and reassessment of NPEAs and have shared the deficiencies observed in the performance of NPEAs with Ministry of Mines and NMET Secretariat for initiating timely corrective measures.

**EC advised QCI-Nabet** to (a) monitor the agencies every six months and review how many employees have left and how many new employees have joined; (b) develop a mechanism for tracking the human resources of NPEAs in consultation with NMET.

**[Action: QCI-Nabet]**

- ii. As regards the auction of Bhatikheda block, MECL informed the house that the block is ready to be auctioned in the upcoming tranche. Director, AMD commented that the block may be denotified by Rajasthan Government.

**[ATR Complied]**

- iii. Regarding uploading of reports of NMET funded exploration projects on NGDR portal, EC was informed that the reports of all the completed projects of NMET have been uploaded on NGDR portal.

**[ATR Complied]**

- iv. Regarding the framing of report submitted by the committee on “Inclusion of seismic survey in coal exploration”, EC was apprised that the report has been circulated.

**[ATR Complied]**

- v. As regards circulation of SoP to explore critical minerals/ other minerals associated with coal and also to look for critical minerals/other minerals in the dumps and tailings of coal mines, MoC informed that they have shared the draft SoP with GSI and CMPDI for comments. After receiving comments, the SoP will be circulated.

**[ATR Complied]**

- vi. Regarding the assessment of 2,600 geological reports submitted by various State Governments for their geological potential, EC was informed that 212 reports have been shortlisted for evaluation. Of these, 152 reports have been considered for field validation. DG, GSI apprised that 11 reports can be auctioned and 61 reports can be considered for further exploration.

EC instructed that the 61 reports along with 10A(2b) cases be circulated among GSI/ State DGMs & other NEAs/NPEAs to ascertain their willingness to carry out further exploration and subsequently allocation of blocks.

**[Action: NMET]**

- vii. As regards assisting other States to adopt the methodology of CGM, Gujarat to enhance mineral exploration activity in the respective states, EC advised MECL to organize a workshop for all the NER States one day prior to Mining Ministers’ Conclave to be organized in Guwahati on 27<sup>th</sup> and 28<sup>th</sup> June, 2025.

**[Action: MECL]**

### **Agenda 42.3: Proposal of IBM for undertaking geochemical analysis of mine samples through NMET fund**

EC was apprised that TCC-1 has recommended the proposal of IBM to carry out geo-chemical analysis of mine samples drawn from mine faces, mineral stacks, dumps, tailings, process samples and smelter slags across the country through outsourcing with an estimated cost of ₹1280.49 Lakhs (₹12.80 crore) including GST with timeline of 6 months for funding from NMET.

CG, IBM informed that the study involves collection of samples from 290 mines and 50, processing and smelters plant for their geochemical analysis. The total number of samples proposed to be collected and analysed is 3740. With the announcement of the National Tailings Policy, IBM intend to expedite the process by outsourcing the geochemical analysis

to external laboratories. Out of 3740 samples, 400 samples would be analyzed at in-house facilities available in IBM and rest 3340 samples are proposed to be analysed through following agencies:

- a. Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Nagpur
- b. Mineral Exploration and Consultancy Limited (MECL), Nagpur
- c. Gujarat Mineral Research Development Society (GMRDS), Industries and Mines Department, Commissioner of Mining and Geology, Gujarat

CG, IBM further informed that the outcome of the study will be uploaded on NGDR portal.

The cost breakup of the study is given below:

Sl. No	Item	Total Estimated Cost in INR
1	Geologist mandays sampling and sample preparations	30,36,352
2	Laboratory Studies	10,54,79,940
	Sub total	10,85, 16,292
	GST 18%	1,95,32, 932.56
	Total	12,80,49,224.6
	<b>Total cost</b>	<b>₹12.80 crore</b>

As the project requires early execution and timebound completion, approval of the Chairman, EC was obtained on 5.5.2025 and the proposal was submitted to EC for ratification.

**Decision of EC:** EC ratified the proposal.

#### **Agenda 42.4: Proposal of GSI for development of Next Generation Portal of GSI (Portal-NG) through NMET fund**

EC was apprised that TCC-1 at its 76<sup>th</sup> meeting recommended the proposal of GSI for design, development and deployment of Next Generation Portal (Portal-NG), migration of legacy data of OCBIS Portal, Go-Live of Portal-NG and Operation and maintenance (O&M) of Portal-NG for 3 years after Go-Live by BISAG-N at a total cost of ₹ 96.31 crore (including applicable taxes) for a period for 4 years through funding from NMET.

GSI have informed that the existing OCBIS Portal will reach the end of its life cycle by 28<sup>th</sup> February, 2026 and hence there is a need to develop a robust and user-friendly Next Generation portal of GSI namely Portal-NG. Further, with the development of eHRMS, SPARROW, CPGRAMS, RTI Online, PFMS portal by NIC and NGDR Portal by BISAG-N, several modules of existing OCBIS portal (GSI Portal) like HRMIS, APAR, Claims, Pay, RTI and Bhukosh have become non-operational.

GSI have informed that the Portal-NG will be essentially a FSPMIS based system with other supporting applications like Laboratory Management System, Drilling Management System

etc., having additional features such as API-based microservices by integrating AI/ML logic. The portal will be developed by BISAG-N which has also developed NGDR portal and it will provide a suitable interface with NGDR Portal by developing suitable functionality and application programming for to and fro data flow across the two Portals.

Since the project requires early execution and timebound completion, approval of Chairman, EC was obtained on 16.5.2025. The proposal has been submitted for ratification by EC.

**Decision of EC:** EC ratified the proposal.

**Agenda 42.5: Proposal for payment of Exploration Incentive to MECL for upgradation of blocks from G-4 to G-3 stage of investigation**

EC was apprised that MECL has upgraded 03 projects from G4 stage to G3 stage and has requested for an Exploration Incentive (EI) of 25% of the approved cost in pursuance of the NMET scheme (OM 6/2/2015-NMET/237 dt. 3rd September, 2023).

Details of the upgraded projects are as under:

SI	Name of the block	Commodity	Stage	Sanctioned in EC	Upgraded Status	Approved cost (₹ in cr.)	Actual Expenditure (₹ in cr.)	Amount of incentive (₹ in cr.)
1	Reconnaissance Survey (G-4) for REE in Rudrawathi Block, Tiruppur District, Tamil Nadu. <b>[75<sup>th</sup> TCC-1]</b>	REE	G4	28 <sup>th</sup> EC	G3	0.72	0.70	0.18
2	Reconnaissance Survey (G4) for Copper in Chalima Block, Giridih District, Jharkhand <b>[8<sup>th</sup> TCC-2]</b>	Copper	G4	22 <sup>nd</sup> EC	G3	1.83	1.63	0.41
3	Reconnaissance Survey (G4) for Iron, Manganese and Associated Minerals in Salaiya Block, Jabalpur, Katni and Umaria Districts, Madhya Pradesh <b>[8<sup>th</sup> TCC-2]</b>	Iron and Manganese	G4	28 <sup>th</sup> EC	G3	0.50	0.43	0.11
						3.05	2.76	<b>0.70</b>

TCC-1 and TCC-2 at their 75<sup>th</sup> and 8<sup>th</sup> meeting, respectively, evaluated the proposal and observed that the approved expenditure for 03 blocks is Rs. 3.05 crore, however, the actual expenditure incurred on the projects is Rs. 2.76 crore. Therefore, TCC-1 and TCC-2 recommended the proposal of MECL for providing exploration incentive of 25% of the actual expenditure incurred towards the exploration of 03 blocks amounting to Rs. 0.70 crore to EC. **Decision of EC:** EC accorded financial approval of ₹0.70 crore (Rupees seventy lakh only) to MECL towards upgradation of mineral exploration blocks from G4 to G3 stage of investigation and instructed that the amount may be released to MECL after the completion of G3 stage investigation of the aforementioned blocks. EC further instructed to modify the relevant provision in NMET SoC.

**[Action: NMET]**

**Agenda 42.6: Proposal for procurement of Mineral Liberator Analyzer by CSIR-IMMT, Bhubaneshwar**

Chairman, TCC-1 apprised that CSIR-Institute of Mineral and Material Technology (IMMT), Bhubaneshwar has submitted a proposal to procure Mineral Liberator Analyzer (MLA) at a cost of Rs. 13.50 crore including GST, custom duties, warranty and post warranty AMC with a timeline of 12 months.

He further informed that CSIR-IMMT would be the only public funded institute in India having advanced level Mineral Liberator Analyzer facility which would cater to the needs of Government and private agencies. Procurement of Mineral Liberator Analyzer would strengthen Indian mineral processing and research capabilities and expand the horizons of developing process flowsheets for low grade complex ores. Presently, CSIR-IMMT is extending mineral characterization and beneficiation facilities to various agencies such as CMPDI, DST, KIOCL, Ministry of Mines, Steel, NALCO, NMDC, Tata Steel, Jindal Steel, HZL etc. Moreover, establishing a Center of Excellence for processing of Rare Earth and Strategic Minerals in CSIR-IMMT by procuring state of the art equipments like advanced level Mineral Liberator Analyzer will benefit India's Mines and Metallurgical sector by increasing the scientific output and reducing the project duration.

Chairman, TCC-1 commented that NMET has a scheme to provide financial assistance to Central organizations like GSI/IBM and State DGM/DMGs for procurement of machinery/equipment/software and previously, NMET had approved financial assistance to MECL and CMPDI on case to case basis to procure scientific equipments with the approval of Hon'ble Union Minister of Coal and Mines.

AS&FA, Mines advised that the proposal of procurement of Mineral Liberator Analyzer (MLA) by CSIR-IMMT may be submitted through IFD for approval of Hon'ble Union Minister of Coal & Mines/Chairman, GB with proper justification in relaxation of the scheme.

**Decision of EC:** EC has recommended the proposal to Chairman, GB of NMET for approval followed by ratification of the same in the upcoming GB meeting. However, the proposal be properly justified keeping in view the scheme provisions.

[Action: NMET]

**Agenda 42.7: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committees (TCCs)**

TCC-1 and TCC-2 have recommended following 22 mineral exploration proposals with estimated cost of Rs 46.18 crore for approval of EC (Sl. 1-22) and 1 proposal for ratification by EC (Sl No. 23) with a cost of Rs. 7.66 crore:-

Details of the new project proposals recommended for approval of EC are as under:-

Amount in Rs. Crore								
A. Projects recommended by TCC-1								
Sl. No.	Project/Block Name	Area (in km <sup>2</sup> )	Agency	Commodity	Stage	Duration (Months)	Cost	Status
1	Preliminary Exploration (G-3) for Aluminous Laterite, Vanadium and Associated Minerals in Kolathur Block, Kasaragod district, Kerala	6.56	MECL	Aluminous laterite, vanadium and associated Minerals	G3	12	1.81	Approved
2	Reconnaissance Survey (G4) for REE and associated minerals in Ektala Rajanpalli and Jogiapalli-Gobindpur Area, Nayagarh District, Odisha	127	MECL	REE and associated minerals	G4	10	1.16	Approved
3	Reconnaissance Survey (G4 Stage) for Iron ore in Yaparlapadu - Dhone Area, Kurnool & Nandyal Districts, Andhra Pradesh	133	Critical Mineral Tracker	Iron Ore and Limestone	G4	10	1.53	Approved
4	Preliminary Exploration (G3) for Bauxite/Aluminous Laterite in area of village - Gudheghar, Tahsil - Mandangad, District-Ratnagiri, Maharashtra	37	DGM, Maharashtra	Bauxite and aluminous laterite	G3	10	0.58	Approved

5	Preliminary Exploration (G3) for Limestone in Bhari Block, Chandrapur district, Maharashtra	4.27	DGM, Maharashtra	Limestone	G3	10	1.73	Approved
6	Detailed Exploration (G2) for Bauxite and Aluminous Laterite in Byndoor Block, Udupi District, Karnataka	2	Ecomen	Bauxite and aluminous laterite	G2	10	2.25	Approved
7	Preliminary exploration (G3 ) for molybdenum in Mannadipatti South Block & Ponnaiyar North Block (4.75 sq.km.), Uttangarai Sector, Harur-Uttangarai Belt, District-Krishnagiri, Tamil Nadu	4.75	MECL	Molybdenum	G3	45 12	8.0	Approved subject to receipt of NOC from DMG
8	General Exploration (G-2) for Graphite and Associated Minerals in Nagapuzha-Vadakhil Block, District: Ernakulam, Kerala	2.60	MECL	Graphite and associated mineral	G2	12	3.93	Approved subject to receipt of NOC from DMG
9	Preliminary Exploration (G3) for Limestone in Dongargaon-Kasara Block (5.59 km²), District-Yavatmal, Maharashtra	5.59	MECL	Limestone	G3	10	1.23	Approved
10	Preliminay Exploration (G3) for Nickel, Chromium & Rare Metals in Vemula Block, YSR (Kadapa) District, Andhra Pradesh	3.80	Mining Tech Consultancy Services	Nickel, Chromium & RM	G3	12	4.80	Approved
	Total A						27.02	
A. Projects recommended by TCC-2								
11	Preliminary Exploration (G-3) for Graphite in Jhab Block, District: Dahod, Gujarat	5.73	MECL	Graphite	G3	15	4.75	Approved
12	Reconnaissance Survey (G-4 Stage) for Limestone in and around Amanganj Gunnor-Pawai Area, Panna District, Madhya Pradesh	93.13	Engeotech	Limestone	G4	10	0.86	Approved
13	Reconnaissance survey (G4) for REE in Jasai-Para	128	FAGMIL	REE	G4	10	0.60	Approved

	area, District: Barmer, Rajasthan							
14	Preliminary Exploration (G3) for Bauxite and Associated Minerals in Nundhatad Block (5.12 sq. km), Kachchh District, Gujarat	5.12	MECL	Bauxite and associated mineral	G3	10	1.25	Approved
15	Reconnaissance Survey (G-4) for REE & associated minerals in Pipargaon Area, West Karbi Anglong District, Assam	88	MECL	REE and associated minerals	G4	11	5.17	Approved
16	Preliminary Exploration for Limestone in Indroi-Mandor block, Gir Somnath District, Gujarat	10.19	CGM, Gujarat	Limestone	G3	8	0.74	Approved
17	Preliminary Exploration for Limestone in Harnasa-Umbri block, Gir Somnath District, Gujarat	9.15	CGM, Gujarat	Limestone	G3	8	0.78	Approved
18	Preliminary Exploration for Limestone in Govindpara-Savni Block, Gir Somnath District, Gujarat	4.45	CGM, Gujarat	Limestone	G3	6	0.48	Approved
19	Preliminary Exploration (G3) for Limestone in Ishwariya Block, Gir Somnath District, Gujarat	3.43	PRB Infra	Limestone	G4	10	0.70	Approved
20	Reconnaissance Survey (G4) for Gold, Base Metal & Associated Minerals in Pidariya - Nawanagar areas, Singrauli District, Madhya Pradesh	37	Mining Tech Consultancy Services Limited	Gold, basemetal & associated minerals	G4	10	2.35	Approved
21	Reconnaissance Survey (G4) for Rare Earth Elements (REE) & Rare Metals (RM) in Meghawas-Nagana area, Barmer District, Rajasthan	18	Mining Tech Consultancy Services Limited	REE & RM	G4	5	0.30	Approved
22	<del>Reconnaissance survey (G4) for copper and associated mineralization in Salwari area, Sikar District, Rajasthan</del>	<del>2</del>	<del>Vardan Environet LLP</del>	<del>Copper &amp; associated mineralization</del>	<del>G4</del>	<del>8</del>	<del>00</del>	Deferred (to be upgraded and placed before EC



								at its next meeting)
23	Preliminary exploration (G-3) for limestone in Khongkha block, Kiphire district, Nagaland	2.31	DGM, Nagaland	Limestone	G3	15	7.66	Ratified
	<b>Total B</b>						<b>25.64</b>	
	<b>Total (A+B)</b>						<b>53.86</b>	

**Decision of EC:** EC accorded financial approval of Rs. 45 crore (Rupees forty five crore only) for 21 new project proposals (Sl. No. 1-21) recommended by TCC-1 and TCC-2, deferred the project at Sl. No. 22 and ratified the project at Sl. No. 23 with a cost of Rs. 7.66 crore. Further, it was observed that the area of the block be always mentioned in the detailed presentation.

**[Action: NMET]**

**Agenda 42.8: Approval for procurement of machinery/equipments/software etc. from NMET fund.**

**A. Establishing Advanced Geophysical Laboratory at Geological Survey of India Training Institute (GSITI)**

EC was apprised that TCC-1 at its 75<sup>th</sup> meeting had recommended the proposal of GSITI for establishment of Advanced Geophysical Laboratory at the Geological Survey of India Training Institute (GSITI), Hyderabad at a cost of Rs. ₹3.53 crore (including GST, as applicable) with a timeline of 01 year.

It was informed that the establishment of an advanced Geophysical Laboratory at GSITI will significantly enhance India's capabilities in geophysical research and training. By providing state-of-the-art tools for data analysis, modelling, and visualization, the laboratory will strengthen GSI's role in mineral exploration, geotechnical studies, and environmental research. Furthermore, it will provide a platform for training geoscientists with the skills needed to address the evolving challenges in the field of geophysics and other disciplines.

DG, GSI apprised EC that GSITI plays a pivotal role in fostering expertise among over 6,000 geoscientific officers from across the department. It also provides skill upgradation to geoscientific officers from other Central and State Government offices, NPEAs, PEAs, PSUs and academia. Further, GSITI also provide regular ITEC courses for professionals from developing countries.

The details of the proposed components/equipments/software are as under:

<b>Sl. No.</b>	<b>Components/ equipments/ softwares</b>	<b>Estimated cost in INR (Approx)</b>
1	Computer systems (25 No.)	₹78,07,200 (3,12,288 per system)

2	One Work station and UPS	₹5,52,177
3	INTREPID and GEOMODELLER software (25 licenses) including training for 2 years	₹2,05,50,000
4	86 inch Digital display	₹1,91,406.25
5	Infrastructure	₹8,00,127
	<b>Total</b>	<b>₹2,99,00,910/-</b>
	<b>Total Cost including GST as applicable</b>	<b>₹3,53,02,215/- (₹3.53 Cr.)</b>

It was observed by AS&FA, Mines that the price of computer systems is on the higher side and its specification needs to be re-evaluated.

**Decision of EC:** EC instructed DG, GSI to get the detailed specifications vetted by the Ministry and thereafter the proposal be examined in file by NMET for approval.

**[Action: GSI & NMET]**

**B. Procurement of Magneto-Telluric (MT) instruments, semi-rugged laptops, software and workstations by GSI**

EC was apprised that TCC-1 at its 75<sup>th</sup> meeting had recommended the proposal of GSI to procure MT instruments and related equipments including computers, workstation and softwares for carrying out geophysical surveys related to mineral exploration. The proposal has two components and the details are as under:-

**i. Component-1: MT Instruments along with rugged laptops**

Procurement of 18 Nos of 8-channel MT instruments and same numbers of semi – rugged laptop with two years of warranty and five years of CAMC through NMET fund for an amount ₹22,32,27,195 (Rupees twenty-two crore thirty two lakhs twenty seven thousand one hundred ninety five only) plus 18% GST with a total of ₹26,34,08,090/-(Rupees twenty six crore thirty four lakh eight thousand ninety only) i.e. 26.34 crores. The details of the cost of the instruments are as given below:

Estimated Cost in INR for Eight Channel MT instrument and Semi-Rugged laptop								
Item Description	Unit price (INR)	Qty	(A)Total cost (INR)	CAMC cost per year [4% of Cost]	(B)Total CAMC cost for five years	(C=A+B) Total cost of instrument and CAMC	(D=0.18 *C) GST (18%)	(E=C+D) Total in INR
Eight channel MT instrument with magnetic induction coil sensor and	10134592	18	182422663	7296907	36484533	218907195	39403295	258310490

flux gate sensor								
Semi-rugged laptop with pre-installed acquisition and processing software	200000	18	3600000	144000	720000	4320000	777600	5097600
Grand Total (in INR Crores)			18.6	0.74	3.72	22.32	4.02	<b>26.34</b>

*Total estimated cost including 02 year warranty and 05 years of CAMC is **twenty-six crores and thirty-four lakhs***

**ii. Component 2: Proposal of WinGLink Software and Workstation**

Procurement of 06 nos. of WinGLink instruments with seven years of warranty and same numbers workstations with two years of warranty and five years of CAMC through NMET fund for an amount ₹4,82,23,650/- (Rupees Four crore eighty two lakhs twenty three thousand six hundred and fifty only) including 18% GST i.e. ₹4.82 crore. The details of the cost of the instruments are as given below:

Estimated Cost in INR for WinGLink and Workstation								
Item Description	Unit price (INR)	Number required	(A)Total cost (INR)	CAMC @ 5% of cost for workstations (Excluding Two years Warranty and excluding GST)	(B)Total CAMC cost for five years (Excluding Two years Warranty and excluding GST)	(C=A+B) Total cost of instrument and CAMC (5 years CAMC and Two years Warranty and excluding GST)	(D=0.18*C) GST (18%)	(E=C+D) Total in INR (Price includes GST)
WinGLink Geophysical interpretation software (with 7 years warranty) *	6405000	6	38430000	NA	NA	38430000	6917400	45347400

Workstation (With two years warranty)	325000	6	1950000	97500	487500	2437500	438750	2876250
Grand Total (in INR Crores)			4.04	0.01	0.05	4.09	0.74	<b>4.83</b>

\*Two years warranty and five years extended warranty

*Total estimated cost including two years of warranty and five years CAMC is **Four crores and Eighty-three lakh including GST***

DG, GSI apprised the house that baseline geophysical data generation programmes like National Geophysical Mapping Programme (NGPM), National Aerogeophysical Mapping Programme (NAGMP) are being carried out by GSI. Magnetotelluric (MT) method which works on the principle of natural electromagnetic (EM) induction inside earth, is the most widely used geophysical method for 3D mineral system mapping, 3D geological and structural mapping, geothermal investigation, geohazard studies and also for hydrocarbon exploration. Considering the success of MT survey across different countries and also in India by other organizations, a National Magneto Telluric Survey (NMTS) programme, has been proposed by GSI with an aim to create a 3D mineral system framework of known mineralized zones and to discover new deposits in the subsurface locations.

**Decision of EC:** EC accorded financial approval for the following:

- i. Procurement of 18 Nos of 8-channel MT instruments (two years of warranty) and same numbers of semi-rugged laptops (with one year of warranty) including five years of CAMC (for both the instrument) through NMET fund for an amount of ₹22,32,27,195 (Rupees twenty-two crore thirty two lakhs twenty seven thousand one hundred ninety five only) plus 18% GST with a total cost of ₹26,34,08,090/- (Rupees twenty six crore thirty four lakh eight thousand ninety only) i.e. ₹26.34 Cr.
- ii. Procurement of 06 nos. of WinGLink instruments and same numbers of workstations with two years of warranty and five years of CAMC through NMET fund for an amount of ₹4,82,23,650- (Rupees Four crore eighty two lakhs twenty three thousand six hundred and fifty only) including 18% GST i.e ₹4.82 Cr.
- iii. EC advised GSI to invariably include the component of training on the use & maintenance by OEM in the procurement proposals.

**[Action: GSI]**

#### **Agenda 42.9: Approval for change of title of ongoing projects**

EC was apprised that TCC-2 at its 8<sup>th</sup> meeting has recommended changes/modification in the title of 01 project. The details are as under:

SI	Existing Title	Modified title	Agency	Reason
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1	Preliminary (G3) exploration for Glauconite and associated minerals in Pitupura block, <b>Sawai Madhopur and Karauli Districts</b> , Rajasthan	Preliminary (G3) exploration for Glauconite and associated minerals in <b>Pitupura block, Karauli District</b> , Rajasthan	GeoExpOre Pvt. Ltd.	Change of district name as per the district map of State Government
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**Decision of EC:** EC approved the change of title of the project.

**Agenda 42.10: Approval for additional cost/cost revision of ongoing project proposals**

**A. Additional cost/cost revision of exploration projects:**

EC was apprised that TCC-1 and TCC-2 have recommended cost revision of 2 ongoing projects (where cost revision is >10% of the approved cost) for approval of EC and have approved additional cost in respect of 8 ongoing projects (where cost revision is <10% of the approved cost).

The details of 2 ongoing projects recommended for approval are given below:

S. No.	Block/Project	Agency	Approved cost (in Rs Cr.)	Revised cost (in Rs Cr.)	Additional Cost (in Rs Cr.)	Remarks
<b>A. Revised cost recommended by TCC-1</b>						
1	Procurement of equipments by MECL a. Gamma Ray Spectrometer b. Hyper Spectral Core Scanner with LIBS c. Hyper Spectral Core Scanner with XRF d. WD-XRF [TCC-1]	MECL	a. 0.71 b. 22.04 c. 13.10 d. 2.44 (Including taxes)	a. 0.71 b. 25.74 c. 17.29 d. 2.92 (including taxes + CAMC)	a. nil b. 3.7 c. 4.19 d. 0.48	Price enhanced after tendering*
<b>B. Revised cost recommended by TCC-2</b>						
2	Reconnaissance Survey (G4) for Mailar Base Metal - Gold Prospect Block in Mailar area, Lalitpur district, Uttar Pradesh [7 <sup>th</sup> TCC-2]	Geovale Services Pvt. Ltd.	2.41	3.64	1.23	Additional drilling and associated sample analysis

CMD, MECL apprised the EC that three cost of instrument increased during tendering due to inclusion of CAMC.

Further, it was apprised that in order to issue purchase order of the instruments the concurrence of IFD and approval of Chairman, EC has been obtained on file and the proposal has been submitted for ratification.

AS&FA, Mines suggested that the capacity building by providing training to the officers by the service provider/OEM should be included in the scope of work.

**Decision of EC:** EC ratified the proposal at Sl. No. 1 and approved the additional cost of the project at Sl. No. 2. Further, EC advised MECL to negotiate with the vendor and include the training of officers in the existing scope of work. EC also instructed that, henceforth, in all the cases where procurement of sophisticated instrument is involved, training by the vendor/service provider/OEM should be mandatorily included in the scope of work.

**[Action: MECL]**

The details of 8 ongoing projects for which the approval of TCC has already been obtained, is given below for information of EC:

S. No.	Block/Project	Agency	Approved cost (in Rs Cr.)	Revised cost (in Rs Cr.)	Additional Cost (in Rs Cr.)	Remarks
<b>A. Revised cost approved by TCC-1</b>						
1	Preliminary Exploration (G-3) for Manganese and Graphite in Bharatbahal Block (2.00 sq. km), Balangir District, Odisha	MECL	1.38	1.389	0.009	Sample analysis
2	Financial assistance to IBM for procurement of WD-XRF	IBM	3.0	3.23	0.23	Cost enhanced during tendering
<b>B. Revised cost approved by TCC-2</b>						
3	Reconnaissance Survey (G4) for Iron, Manganese and associated minerals in Tikariya Block, Katni District, Madhya Pradesh	MECL	2.24	2.2416	0.0016	Analysis of additional samples
4	Reconnaissance Survey (G4) for Iron Ore in Mahakoshal Group around Chakdiya, Kushaniya, Jobra and Tusgaon area,	GeoExpOre Pvt. Ltd.	1.95	2.01	0.06	Due to in house drilling

	Sonbhadra district, Uttar Pradesh					
5	Reconnaissance Survey (G4 Stage) for Graphite and Vanadium in Matena-Sirar Area, Almora District, Uttarakhand	Geovale Services Pvt. Ltd.	2.60	2.80	0.20	Additional sample analysis and inclusion of Resistivity Survey
6	Preliminary Exploration (G3) for Copper and Associated Minerals in Thakurdih Area-1 Block, East Singhbhum District, Jharkhand	MECL	4.67	4.75	0.08	Analysis of additional samples
7	Reconnaissance Survey (G4) for evaluation of Placer Xenotime in Ujol River Basin, Gujarat	M/s Geovale Service Pvt. Ltd.	1.92	1.93	0.011	Additional pitting, geophysical survey and chemical analysis
8	Reconnaissance Survey (G4) for REE Exploration in Bhuj Clay Prospect Block, Kachchh District Gujarat	M/s Geovale Service Pvt. Ltd.	2.65	2.73	0.073	Additional man days for geophysicist at HQ
9	Preliminary Exploration (G3) of Ion-Adsorption and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block (7.1 sq.km.), East Khasi and West Jaintia Hills districts, Meghalaya.	DMR, Meghalaya	3.01	3.02	0.012	EPMA analysis of additional samples

## B. Cost revision of procurement projects

### i. Procurement project of DGM, Mizoram

EC was apprised that financial assistance to procure machinery/equipment/software was sanctioned to DGM, Mizoram on 10<sup>th</sup> January, 2023 in 27<sup>th</sup> EC meeting. The approved cost of one of the items i.e. Pulveriser was ₹6 lakh, however during market survey it was found that the cost of item is Rs. 17.11 lakh including GST.

Hence, DGM, Mizoram submitted a proposal for approval of additional cost of ₹11.11 lakh for the purchase of pulveriser along with timeline extension of 6 months. Subsequently, TCC-2 at its 8<sup>th</sup> meeting recommended the proposal to EC for approval.

**ii. Procurement project of DGM, Ladakh**

EC was apprised that financial assistance to procure machinery/equipment/software was been sanctioned to DGM, Ladakh with a cost of Rs. 2.06 crores for a time period of 12 months in 28<sup>th</sup> EC meeting held on 3<sup>rd</sup> April, 2023. The details of the items are given below:

Sl. No.	Name of Item	Qty.	Estimated Cost per unit (Rs.)	Total Estimated cost (Rs)
1.	Hydrostatic truck mounted drill machine with 600 m to 1000 m capacity (600m truck mounted hydrostatic rig without CAMC, without operator and without accessories. Without spare and lubricants however pump is the integral part of the rig.	1	80,00,000	80,00,000
A	Bits, drill rod, casing and core Barrel	For 1 Year requirement	80,00,000	80,00,000
2.	Portable XRF for chemical analysis of Minerals/ rock samples	1	10,00,000	10,00,000
3	GIS software	1	13,00,000	13,00,000
4	DGPS	1	16,00,000	16,00,000
5	Total Station	1	6,96,000	6,96,000
<b>Total</b>				<b>2,05,96,000</b>

EC was also apprised that during market survey the cost of portable XRF and ArcGIS have been enhanced and the details are given below:

Sl.	Name of the equipment/ software	Approved Cost (₹ in lakh)	Revised cost (₹ in lakh)	Additional Cost (₹ in lakh)
1	Portable XRF	10	25	15
2	ArcGIS	13	25	12
	<b>Total</b>	<b>23</b>	<b>50</b>	<b>27</b>



The EC was further apprised that procurement of drilling equipments is not essential at this stage and DGM, Ladakh want to surrender those items. Instead, they requested for approval of additional items (Details given below):

Sl. No.	Item	Qty.	Cost (₹ in lakhs)
1	Digital Camera	2	3.00
2	Handheld GPS	2	1.90
3	Brunton Compass	4	0.40
4	Geological Hammer	4	0.40
		<b>Total</b>	<b>5.7</b>

TCC-2 at its 8<sup>th</sup> meeting has recommended the following:

- Surrender of Hydrostatic truck mounted drill machine with 600 m to 1000 m capacity costing ₹80 Lakhs and Bits, drill rod, casing and core barrel costing ₹80 Lakhs .
- Enhancement of cost of Portable XRF for chemical analysis of Minerals/ rock samples from ₹10 Lakhs to ₹25 Lakhs and ArcGIS Software from ₹13 Lakhs to ₹ 25 Lakhs.
- Procurement of 4 new items (total qty 12nos.) amounting to ₹5.7 Lakhs as given in the above table.

**Decision of EC:** EC approved the following:

- Additional cost of Rs. 11.11 lakhs for the procurement of pulveriser by DGM, Mizoram along with timeline extension of 6 months.
- Surrender of drilling equipments by DGM, Ladakh amounting to Rs. 1.6 crores.
- Additional cost of Rs. 27 lakh to DGM, Ladakh for the procurement of Portable XRF for chemical analysis of Minerals/ rock samples and ArcGIS Software.
- Procurement of 4 new items amounting to ₹5.7 Lakhs by DGM, Ladakh.

**[Action: DGM, Mizoram & DGM, Ladakh]**

#### **Agenda 42.11: Approval of pre-closure/surrender of ongoing exploration project proposals**

TCC-1 and TCC-2 have recommended the pre-closure of following 5 mineral exploration projects:

S. No.	Block/Project	Agency	Approved cost (in Rs Cr.)	Duration in months	Sanction Date	Reason
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<b>A. Pre-closure/surrender recommended by TCC-1</b>						
1	Reconnaissance Survey (G4) for coal in West of Ghughus & Bellora Block, Wardha Valley CF, Maharashtra	CMPDI	2.15	12	3.02.2023 (27 <sup>th</sup> EC)	No coal seams have been encountered in 2 BH.
2	Preliminary Exploration (G-3) for Limestone in Jaharitola (3.34 sq.km) & Mundatola Blocks (4.34 sq.km), Sundargarh District, Maharashtra	MECL	2.86	12	23.10.2024 (37 <sup>th</sup> EC)	80% area is covered with soil
3	Preliminary Exploration (G3) (Phase-1) for Gold in Kudrekonda Area by Geophysical Survey, Devangere District, Karnataka	MECL	2.45	12	19.2.2024 33 <sup>rd</sup> EC	Public agitation
4	Reconnaissance Survey (G4) for coal in West of Ghughus & Bellora, Warha Valley, CF	CMPDI	2.16	12	3.02.2023 27 <sup>th</sup> EC	Forest Permission not received
<b>B. Pre-closure/surrender recommended by TCC-2</b>						
5	Reconnaissance Survey for Coal in Khapia block, North Karanpura CF, Hazaribagh district, Jharkhand	CMPDI	1.61	12	16.3.2023 (28 <sup>th</sup> EC)	Drilling stopped due to local agitation

**Decision of EC:** EC instructed to ascertain the expenditure incurred in these projects and place the agenda in the next EC meeting. Henceforth, the expenditure already incurred should be considered by the TCC before recommending preclosure/surrender.

**[Action: TCCs & NMET]**

#### **Agenda 42.12: Approval of timeline extension of ongoing projects**

TCC-1 and TCC-2 have recommended the following 38 ongoing proposals for extension of timeline for approval of EC:

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Remarks
<b>A. Timeline extension recommended by TCC-1</b>					
1	Reconnaissance Survey (G4) of Graphite in Darukona, District Rayagada, Odisha	MMPL	31.3.2025	30.6.2025 (3 months)	GR submission
2	Reconnaissance Survey (G4) of Graphite in Kanapulisi, District Rayagada, Odisha	MMPL	31.3.2025	30.6.2025 (3 months)	GR submission
3	Reconnaissance Survey (G4) for coal in West of Ghughus & Bellora Block, Wardha Valley CF, Maharashtra	CMPDI	1.3.2025	30.4.2025 (2 months)	GR submission* (Approval obtained from Chairman, EC)
4	Preliminary Exploration (G3) for Iron Ore in Khandadhar Sub Block - E (8.797 sq.km), Sundargarh District, Odisha	OMC	11.12.2024	30.6.2025 (7 months)	Forest permission awaited for drilling
5	Preliminary Survey (G3) for graphite in Lamer-Panga Block-B (12.994 sq. Km) in Kalahandi district of Odisha	OMC	31.1.2025	10.4.2025 (2.5 months)	GR submission
6	Preliminary exploration (G3) for Salaikana Gold Block (3.98 sq.km) in Keonjhar district of Odisha	OMC	31.3.2025	10.4.2025 (10 days)	GR Submission
7	Preliminary Exploration (G3) for Limestone in Alda Block Raipur & Balodabazar-Bhatapara Districts, Chhattisgarh	DGM Chhattisgarh	27.3.2025	31.5.2025 (2 months)	GR submission
8	Reconnaissance Survey (G4 Stage) for Graphite in Nawadih Block (32.04 sq.km.), District: Balrampur, State: Chhattisgarh	UEIPL	30.11.2024	30.6.2025 (7 months)	Delay in obtaining forest permission
9	Financial Assistance to procure machinery/equipments/software	DGM, Maharashtra	15.3.2025	31.8.2025 (5.5 months)	Delay due to retendering
10	Multi-sensor aero-geophysical surveys over blocks 7 & 9	GSI	30.6.2025	31.3.2027 (21 months)	Delay in deploying aircraft & survey resources
11	Preliminary Survey (G3) for graphite in Lamer-Panga Block-A (13.99 sq. Km) in Kalahandi district of Odisha.	OMC	31.3.2025	31.5.2025 (2 months)	GR Submission

12	Preliminary exploration (G3) for Gold Exploration in Dimirimunda Block (5 Sq. Km), District: Keonjhar, Odisha.	OMC	31.3.2025	15.5.2025 (1.5 months)	GR Submission
13	Preliminary exploration (G3) for Iron ore in Madhyapur Block (6.5 Sq.Km), District: Keonjhar, Odisha	OMC	30.4.2025	15.5.2025 (15 days)	GR Submission
14	Reconnaissance Survey (G4) for REE mineralization in Kenda, Barpali, Nagpura, Chureli, Manikpur village areas (75.00 sq.km), part of T.S. No. 64J/02 of Bilaspur District, Chhattisgarh.	GeoExpOre	31.5.2024	31.7.2024 (2 months)	GR Submission
15	Preliminary Exploration (G3) (Phase-1) for Gold in Kudrekonda Area by Geophysical Survey, Devangere District, Karnataka	MECL	25.5.2025	25.06.2025 (4 months)	GR Submission
16	Proposal for procurement of equipment through NMET fund for capacity augmentation in MECL.	MECL	1.3.2025	30.9.2026 (18 months)	Procurement delayed due specification finalization and product delivery requires 12 months time

#### **B. Timeline extension recommended by TCC-2**

17	Preliminary Exploration (G3) for Bauxite in Maleta-Bankodi Block, Devbhumi Dwarka District, Gujarat.	CGM, Gujarat	4.3.2024	31.3.2025 (13 months)	GR Submission
18	Preliminary Exploration (G3) of Limestone in Jodhpur-Satarpar Block, Devbhumi Dwarka District, Gujarat.	CGM, Gujarat	30.4.2024	31.3.2025 (11 months)	GR Submission
19	Financial Assistance to procure machinery/equipments/software	DMM, Sikkim	31.3.2025	30.9.2025 (6 months)	Re-tendering
20	Reconnaissance Survey (G4) of Graphite in Ranibandh, District Bankura, West Bengal	MMPL	11.4.2025	10.7.2025 (3 months)	GR Submission
21	Preliminary Exploration (G-3) for Limestone in Bhatura Block (1.5 sq.km.), Satna district, Madhya Pradesh	MPSMC	11.3.2024	31.3.2025 (20 days)	GR Submission
22	Reconnaissance Survey (G4) for Limestone in Banki-Salaiya block, Chhatarpur Districts, Madhya Pradesh	MPSMC	11.3.2024	31.3.2025 (20 days)	GR Submission

23	Reconnaissance Survey (G4) for Limestone Dhanokhar-Nagod block, Panna & Satna Districts, Madhya Pradesh	MPSMC	27.11.2024	27.07.2025 (8 months)	GR Submission
24	Reconnaissance Survey (G4) for Limestone in Gunaupali block, Panna district, Madhya Pradesh	MPSMC	27.11.2024	27.07.2025 (8 months)	GR Submission
25	Preliminary Exploration (G3) for Basemetal in Pastalaimal Basemetal block, Betul, Madhya Pradesh	MPSMC	11.3.2025	11.11.2025 (8 months)	GR Submission
26	Preliminary Exploration (G3) for Graphite in Patra Graphite block, Jhabua, Madhya Pradesh	MPSMC	11.3.2025	11.3.2026 (12 months)	GR Submission
27	Preliminary Exploration (G-3) for Limestone in Chhasra Block, Kachchh District, Gujarat	CGM, Gujarat	28.2.2025	27.8.2025 (6 months)	GR Submission
28	Preliminary Exploration (G-3) for Limestone in Vayor Block, Kachchh District, Gujarat	CGM, Gujarat	28.2.2025	27.8.2025 (6 months)	GR Submission
29	Preliminary Exploration (G-3) for Limestone in Jadva Block, Kachchh District, Gujarat	CGM, Gujarat	28.2.2025	27.8.2025 (6 months)	GR Submission
30	Financial Assistance to procure machinery/equipments/software For project 1 and 2	DGM, Mizoram	31.3.2025	30.9.2025 (6 months)	Retendering due to cost escalation
31	Financial Assistance to procure machinery/equipments/software	DMR, Meghalaya	31.3.2025	30.6.2025 (3 months)	Tender related issue
32	Financial Assistance to procure machinery/equipments/software	DGM, Ladakh	2.4.2024	31.7.2025 (15 months)	Shortage of manpower, extreme climatic condition, seasonal limits
33	Reconnaissance Survey (G4) for Iron Ore in Mahakoshal Group around Chakdiya, Kushaniya, Jobra and Tusgaon area, Sonbhadra district, Uttar Pradesh	GeoExpOre Pvt. Ltd.	27.5.2024	25.11.2025 (6 months)	Due to forest clearance
34	Preliminary Exploration (G3) for REE and Associated Minerals in Borana Block, Bhilwara District, Rajasthan	GeoExpOre Pvt. Ltd.	9.6.2025	9.11.2025 (5 months)	GR Submission
35	Reconnaissance Survey (G4) for nickel, cobalt, PGE and chromium in and around Sihai-	United Exploration India Pvt. Ltd	5.6.2025	5.2.2026 (8 months)	Local agitation

	Phangrei area, Ukhrul district, Manipur				
36	Preliminary Exploration (G3) for Copper and Associated Minerals in Thakurdih Area-1 Block, East Singhbhum District, Jharkhand	MECL	19.5.2025	19.8.2025 (3 months)	GR submission
37	Reconnaissance Survey (G4) for Evaluation of Placer Xenotime Prospect in Ujol River Basin, Gujarat	Geovale Services Pvt. Ltd.	30.4.2025	30.6.2025 (2 months)	GR Submission
38	Reconnaissance Survey (G-4) for Ni & PGE prospect block in Limbdi-Meghpar Titodi area, Devbhumi Dwarka District, Gujarat	Geovale Services Pvt. Ltd.	10.3.2025	30.4.2025 (1 month)	GR Submission

**Decision of EC:** (i) EC accorded the approval of timeline extension to 36 projects and ratified the timeline extension of project at Sl. No. 3. (ii) EC instructed that the delay in exploration work due to forest clearance should be taken up by NMET Secretariat with the respective State Governments so that the project can be executed timely; (iii) EC instructed DG, GSI to examine the cause of delay in NAGMP survey in block 7 & 9 (at Sl. No. 10); if delay is attributed to the vendor, LD charges may recovered from the vendor. Further, EC instructed NMET to obtain a report from the FS, GSI on the issue whether the Agreement between GSI and the vendor provided for timeline extension and also the provision related to levy of liquidated damages for delay by the vendor & to place this agenda before the EC at the next meeting with these inputs.

**[Action: GSI and NMET]**

#### **Additional Discussion**

- a. Shri LS Shekhawat, Technical Expert informed that recent studies in lamproites of three provinces i.e Cuddappah basin, Darlimunda and Damodar area have revealed that these areas possess high value of REE/RM and can be taken up for further exploration.

EC instructed GSI to study these areas and provide an insight on the scope of exploration in these areas

**[Action: GSI]**

- b. Shri Yamuna Singh, Technical Expert dwelt upon the importance of making optimum utilization of the high-end instruments procured by various agencies and especially for extraction from low grade ores during the initial five years. He stressed upon the need to identify the manpower for operating such instruments and provide them training for generating quality data.

EC advised all the agencies (i) to ensure optimum utilization of the high-end instruments being procured from NMET fund; (ii) train dedicated manpower to handle these instruments so that maximum data/output can be generated utilizing these instruments; (iii) to publish research article with the data generated through these instruments. NMET was instructed to add this agreement as a condition for sanction of equipments; (iv) all agencies to post details of the equipments procured with public money on their website and also share the details with NMET for posting on website of MoM & NMET; (v) The equipments procured with public money should be made available for use by all the Government agencies.

**[Action: All agencies]**

- c. Shri Naresh Nautiyal, Technical Expert pointed out that 24 blocks containing gold have been auctioned since the year 2015, but the exploration in these blocks has not yielded much. Therefore, a robust steps should be taken to increase the mining of gold. Secretary, Mines remarked that Ministry will focus on mining of Cu, Au and Ag since the country is import dependent on these minerals.

Shri Vivek Kumar Bajpai, Joint Secretary, Mines and Member Secretary, EC urged for a review of the equipments already sanctioned to various agencies to ascertain their procurement status and usage. He advised that the TCC Chairmen should consider the previously sanctioned procurement projects of agencies before taking up any fresh proposals submitted to them. NMET Secretariat to share the details of sanctioned procurement projects with the TCC Chairmen for their reference. Further, as regards the previously sanctioned procurement projects, the concerned agencies be instructed to submit their action plan for timely procurement and utilization of equipment.

**[Action: TCC Chairmen & NMET]**

The meeting concluded with vote of thanks to the Chair.

Sl. No.	Name & Designation	Position	Mode of Joining
1	Shri V L Kantha Rao Secretary <b>Ministry of Mines</b>	Chairperson, <i>ex-officio</i>	Physical
2	Smt. Rupinder Brar Additional Secretary <b>Ministry of Coal</b>	Member, <i>ex-officio</i>	Physical
3	Shri Ashish Chatterjee Additional Secretary & Financial Secretary <b>Ministry of Mines</b>	Member, <i>ex-officio</i>	Physical
4	Shri Asit Saha Director General <b>Geological Survey of India</b>	Member, <i>ex-officio</i>	Online
5	Shri P N Sharma Controller General <b>Indian Bureau of Mines</b>	Member, <i>ex-officio</i>	Online
6	Shri Vivek Kumar Bajpai Joint Secretary <b>Ministry of Mines</b>	Member Secretary, <i>ex-officio</i>	Physical
7	Shri Dheeraj Pande Director <b>Dept. of Atomic Energy</b>	Member, <i>ex-officio</i>	Online
8	Shri U C Choudhury Under Secretary Representative of Additional Secretary <b>Ministry of Petroleum and Natural Gas</b>	Member, <i>ex-officio</i>	Physical
9	Dr. T R K Rao DG <b>DGM, Maharashtra</b>	Member, <i>ex-officio</i>	Online
10	Shri Frank Nobel Addl. Director Mineral Resource Dept., <b>Govt. of Madhya Pradesh</b>	Member, <i>ex-officio</i>	Online
11	Ms. Deepa Joint Director Commissionerate of Geology and Mining, <b>Government of Tamil Nadu</b>	Member, <i>ex-officio</i>	Online
12	Shri Om Prakash Jangid Senior Geologist Mines and Geology, <b>Govt. of Rajasthan</b>	Member, <i>ex-officio</i>	Online
<b>Technical Expert</b>			
13	<b>Shri Alok Sharma</b> GM (Exploration) (Retd.) CMPDIL	-	Online
14	<b>Shri Naresh Nautiyal</b> Head (Business Development & Planning) (Retd.), MECL	-	Online
15	<b>Dr. Yamuna Singh</b>	-	Physical



	Scientist-H, Atomic Minerals Directorate for Exploration and Research (Retd.)		
16	<b>Dr. Laxman Singh Shekhawat</b> Dy. Director General (Retd.), Geological Survey of India	-	Online
17	<b>Dr. Sahendra Singh</b> Professor, Department of Applied Geology, Indian Institute of Technology (ISM)	-	Online
<b>Invitees</b>			
18	Dr. S. Ravi DDG, GSI and Chairman, TCC-1, <b>NMET</b>	-	Online
19	Shri Pradeep Singh DDG, GSI and Chairman, TCC-2, <b>NMET</b>	-	Physical
20	Shri Yogendra S Bhamboo Director (Technical) <b>Ministry of Mines</b>	-	Physical
21	Shri Jagminder Katariya Joint Director <b>QCI-Nabet</b>	-	Physical
22	Shri I D Narayan CMD <b>MECL</b>	-	Online
23	Mohd. Atif Sr. Geologist <b>Mines IV</b>	-	Physical
<b>NMET</b>			
24	Smt. Geetika Sharma Deputy Secretary and HoD	-	Physical
25	Smt. Anju C S Suptdg. Geologist	-	Physical
26	Shri Seababrata Das Senior Geologist	-	Physical
27	Smt. Vishakha Senior Geologist	-	Physical
28	Shri Rajiv Kumar Joint Director	-	Physical
29	Dr. Rajesh Kr Sharma Senior Geologist	-	Physical
30	Shri Monu Tomar Senior Geophysicist	-	Physical
31	Shri Akshay Verma Geologist	-	Physical
32	Shri Manish Kumar	-	Physical

	Geophysicist		
33	Jayant Gupta Assistant Cost & Accounts Officer	-	Physical
34	Yogesh Agarwal Assistant	-	Physical