Only through e-mail

Government of India
Ministry of Mines
National Mineral Exploration Trust

F.No.6/2/2015-NMET 355 New Delhi, 08th December, 2023

Subject: Circulation of minutes of 32nd meeting of Executive Committee (EC) of National Mineral Exploration Trust (NMET) held on 6th December, 2023.

Please find enclosed the minutes of 32nd meeting of Executive Committee of NMET held on 6th December, 2023 for your kind perusal.

Action Taken Report on relevant Para may kindly be forwarded to this office.

[Vivek Kumar Sharma]
Director & HoD, NMET

To,

1. The Secretary, Dept. of Atomic Energy, Anushakti Bhawan, C.S.M. Marg, Mumbai- 400001.
2. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi- 110001.
3. The Secretary, Ministry of Petroleum and Natural Gas, Shastri Bhawan, New Delhi-110001.
4. The Joint Secretary and Financial Advisor, Ministry of Mines, Shastri Bhawan, New Delhi-110001.
5. The Director General, Geological Survey of India, 27, J. L. Nehru Road, Kolkata-700016.
6. The Controller General, Indian Bureau of Mines, 2" Floor, Indira Bhawan, Civil Lines, Nagpur-440001.
7. The Principal Secretary, Mineral Resources Department, Govt. of Madhya Pradesh, Mantralaya, Vallabh Bhawan, Bhopal- 462004.
8. The Principal Secretary, Industries, Energy and Labour Dept. 114 Annex Building Mantralaya, Mumbai- 400032.
9. The Additional Chief Secretary, Department of Mines and Petroleum Main Building Secretariat, Jaipur- 302005.
10. The Additional Chief Secretary, Industries, Investment Promotion and Commerce Dept. Industries Department Secretariat, Chennai- 600009.
11. Shri Alok Sharma, (Retd.) GM & HoD (Exploration), CMPDIL, 402, Lake Garden, Kanke Road, Ranchi- 834008.
12. Shri Naresh Nautiyal, Head (Business Development & Planning) (Retd.), MECL, 109, KT Nagar, Katol Road, Nagpur- 440013.
13. Dr. Yamuna Singh, Scientist-H, Atomic Minerals Directorate for Exploration and Research (Retd.), Flat G-7, Block G, Rainbow Vistas Rock Garden, Opp- IDL, Green Hills Road, Sanathnagar PO, Moosapet, Hyderabad- 500018.

14. Dr. Laxman Singh Shekhawat, Dy. Director General (Retd.), Geological Survey of India, 695 Shanti Nagar (Road No-3), Near Durgapura Railway Station, Durgapura, Jaipur- 302018.

15. Dr. Sahendra Singh, Associate Professor, Department of Applied Geology, Indian Institute of Technology (ISM), Dhanbad- 826004.

Copy to:

1. The Secretary (Mines), Government of Andhra Pradesh.
2. The Secretary (Geology and Mining), Government of Arunachal Pradesh.
3. The Principal Secretary, Department of Mines and Minerals, Government of Assam.
4. The Principal Secretary-cum-Mines Commissioner, Government of Bihar.
5. The Secretary, Mineral Resource Department, Government of Chhattisgarh.
6. The Principal Secretary, Department of Mines and Geology, Government of Goa.
7. The Addl. Chief Secretary (Industries), Government of Himachal Pradesh.
8. The Principal Secretary (Industry and Mines), Government of Gujarat.
9. The Commissioner Secretary (Industries and Commerce), Government of Jammu & Kashmir.
10. The Secretary (Industries, Mines and Geology), Government of Jharkhand.
11. The Secretary, (Industries and Commerce), Government of Karnataka.
12. The Principal Secretary, Industries Department, Government of Kerala.
13. The Secretary, Mineral Resource Department, Government of Madhya Pradesh.
14. The Addl. Chief Secretary (Industries and Mines), Government of Maharashtra.
15. The Commissioner and Secretary, Mining and Geology Department, Government of Meghalaya.
16. The Commissioner & Secretary, Geology and Mining, Government of Nagaland.
17. The Principal Secretary (Steel and Mines), Government of Odisha.
18. The Principal Secretary, Mines and Geology, Government of Punjab.
19. The Principal Secretary (Mines), Government of Rajasthan.
20. The Principal Secretary (Industries), Government of Tamil Nadu.
21. The Principal Secretary (Industries and Mines), Government of Telangana.
22. The Secretary (Mines and Geology), Government of Uttar Pradesh.
23. The Principal Secretary (Mines), Government of Uttarakhand.
24. The Secretary (Industry, Commerce and Enterprises), Government of West Bengal.
25. The Secretary, Department of Industries, Administration of Union Territory of Ladakh.
26. The Principal Secretary, Mines and Geology Department, Government of Sikkim.
27. The Secretary, Department of Industries and Commerce, Government of Tripura.
28. The Secretary, Commerce and Industries, Government of Mizoram.
29. The Secretary, Textiles, Commerce and Industry, Government of Manipur.
30. The Principal Secretary, Department of Mines and Geology, Government of Haryana.

Copy to:

1. The Director, Department of Mines and Geology, Government of Andhra Pradesh.
2. The Director, Department of Geology and Mining, Government of Arunachal Pradesh.

3. The Director, Directorate of Geology and Mining, Government of Assam.
4. The Director, Department of Mines and Geology, Government of Bihar.
5. The Director, Directorate of Geology and Mining, Government of Chhattisgarh.
6. The Director of Mines and Geology, Government of Goa.
7. The Commissioner of Geology and Mining, Government of Gujarat.
8. The Director, Department of Industries, Government of Himachal Pradesh.
9. The Director, Department of Geology and Mining, Government of Jammu and Kashmir.
10. The Director (Mines), Directorate of Mines, Government of Jharkhand.
11. The Director, Department of Mines and Geology, Government of Karnataka.
12. The Director, Directorate of Mining and Geology, Government of Kerala.
13. The Director, Directorate of Geology and Mining, Government of Madhya Pradesh.
14. The Director, Directorate of Geology and Mining, Government of Maharashtra.
15. The Director, Directorate of Mineral Resources, Government of Meghalaya.
16. The Director, Directorate of Geology and Mining, Government of Nagaland.
17. The Director, Directorate of Geology, Government of Odisha.
18. The Director, Directorate of Mines and Minerals, Government of Punjab.
19. The Director, Mines and Geology Directorate, Government of Rajasthan.
20. The Commissioner of Geology and Mining, Government of Tamil Nadu.
21. The Director of Mines and Geology, Government of Telangana.
22. The Director, Directorate of Geology and Mining, Government of Uttar Pradesh.
23. The Director, Geology and Mining Unit, Government of Uttarakhand.
24. The Director, Directorate of Mines and Minerals, Government of West Bengal.
25. The Director, Directorate of Industries and Commerce, Government of Ladakh.
26. The Director, Department of Mines, Minerals and Geology, Government of Sikkim
27. The Director, Department of Industries and Commerce, Government of Tripura
28. The Director, Directorate of Geology and Mineral Resource, Government of Mizoram.
29. The Director, Department of Trade, Commerce and Industries, Government of Manipur.
30. The Director, Department of Mines and Geology, Government of Haryana.

Copy to:

1. The Additional Director General and Chairman, TCC-NMET, Southern Region, GSI Complex, Bandlaguda, Hyderabad-500068.

2. The Director, AMD, Department of Atomic Energy, AMD Complex, Begumpet, Hyderabad-500016.

3. The Chairman-cum-Managing Director, MECL, Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur-440006.

4. The Chairman-cum-Managing Director, CMPDIL, Gondwana Place, Kanke Road, Ranchi-834031.

5. The Dy. Director General, RSAS, GSI, Vasudha Bhavan, Kumaraswamy Layout, Bengaluru-560078.

6. The Chairman-cum-Managing Director, KIOCL Ltd, Block-II, Koramangala, Sarjapura Road, Bengaluru, Karnataka-560034.

7. The Chairman-Cum-Managing Director, NMDC Ltd., Khanij Bhavan, Castle Hills, Masab Tank, Hyderabad-500028.

8. The General Manager, Telangana State Mineral Development Corporation Limited, H. No.6-2-915, HMWSSB premises, Rear Block, 3rd Floor, Khairatabad, Hyderabad.

9. The Director, Directorate of Geology & Mining, Indirawati Bhawan, Block-4, First & Second Floor Naya Raipur, Chhattisgarh- 492002.

10. The GM (Exploration), OMECL, Govt. of Odisha. Odisha Mineral Exploration Corporation Ltd. 3rd Floor, Boyan Bhawan, Unit-3, Pandit Jawaharlal Nehru Marg, Bhubaneswar- 751001.

11. The Madhya Pradesh State Mining Corporation Ltd., Paryawas Bhawan, Block 'A', IInd floor, Jail Road, Arera Hills, Bhopal, Madhya Pradesh-462011.

12. The Director (Dept. of Mines & Geology), Govt. of Telangana, DRDK Building, Tank Bund Road, Hyderabad-500022.

13. The Chief Executive Officer, Mineral Exploration Research and Innovation Trust (MERIT), Department of Mines & Geology, 6th Floor, B-Wing, Sri Anjaneya Towers, Ibrahimpatnam, District: Krishna-521456.

14. The Managing Director, Odisha Mining Corporation, OMC House, Bhubaneswar-751 001.

Copy for information to:

1. PSO to Secretary/PPS to AS(SL)/PS to JS&FA, Ministry of Mines, Shastri Bhawan, New Delhi-110001.
2. Shri Janardan Prasad, ADG & HoD, SR & Chairman TCC-NMET, GSI Complex, Bandlaguda, Hyderabad- 500068.

Ministry of Mines
National Mineral Exploration Trust

Minutes of the 32nd Executive Committee (EC) meeting of National Mineral Exploration Trust (NMET) held on 06th December 2023 at New Delhi

The 32nd meeting of Executive Committee (EC) of NMET was held under the Chairmanship of Shri V. L. Kantha Rao, Secretary, Mines on 06th December 2023 at Shastri Bhawan in hybrid mode. The list of participants is given in Annexure-1.

Shri Sanjay Lohiya, Additional Secretary, Mines and Member Secretary, EC welcomed all the participants in the meeting. Shri Vivek Kumar Sharma, Director & HoD, NMET presented the agenda points for the meeting. The details of the agenda points discussed and decisions taken in the meeting are given below:

Agenda 32.1: Approval of minutes of 31st Meeting of EC held on 12th September, 2023.

The minutes of the 31st EC meeting were circulated on 27th September, 2023. No comments were received from the member.

Decision of EC: EC approved the minutes of the 31st Executive Committee (EC) meeting of National Mineral Exploration Trust (NMET).

Agenda 32.2: Action Taken Report (ATR) for minutes of 31st EC meeting held on 12th September, 2023.

Shri Vivek Kumar Sharma, Director & HoD, NMET presented the ATR on minutes of the of the 31st EC meeting held on 12th September, 2023. EC was informed that necessary action has been taken on decisions of the minutes of 31st EC meeting. There were 20 actionable points and actions on all the points have been completed.

Decision of EC: EC accepted the action taken reports for minutes of the 31st EC meeting.

Agenda 32.3*:* Ratification of Modification in Schedule of Charges (SoC) for Ash Analysis.

CMPDI vide letter dt. 03.05.2023 has communicated that the ash analysis charges for coal samples in Schedule of Charges (SoC) of NMET at S. No. 4.2.25 is ₹335/-. However, the actual charges for the ash analysis is Rs 13,664/. CMPDI submitted the same document in support of their claim which was presented by them during the formulation of SoC of NMET.

TCC in its 55th meeting held on 27th, 28th & 31st July, 2023 recommended modification for the cost of Ash analysis to ₹13,664/- to EC.

However, owing to the huge disparity in the present SoC charges and the proposed charges, EC in its 31st meeting held on 12.09.2023 deferred the proposal and directed GSI to submit the details of package for Ash Analysis.

GSI vide email dt. 06.10.2023 submitted the quotation received from CSIR-National Metallurgical Laboratory, Jamshedpur where the detailed cost of Ash Analysis was mentioned as ₹16,124/- (including GST).

Accordingly, Secretary, Mines & Chairperson, EC approved the modification of Cost of Ash analysis from ₹ 335/- (Rupees Three Hundred Thirty Five only) to ₹13,664/- (Rupees Thirteen Thousand Six Hundred Sixty Four only) as submitted by CMPDI in Table 1: S. No. 4.2.25 of the SoC of NMET. Accordingly, OM was issued on 18.10.2023.

Decision of EC: EC ratified the modification of cost of Ash Analysis in the Schedule of Charges of NMET from ₹335/- to ₹13,664/-.

Agenda 32.4: Ratification of Empanelment of Prof. P.R. Sahoo as an expert from IIT (ISM), Dhanbad as External Peer Reviewer to review the mineral exploration Reports of NMET.

EC in its 31st meeting held on 12.09.2023 instructed NMET to include experts from academia like IIT (ISM), Dhanbad as external peer reviewers in the list of empaneled experts of NMET.

In this regard, a DO letter was sent to the Director, IIT (ISM), Dhanbad by Additional Secretary [Mines] & Member Secretary, EC for nominating peer reviewers from IIT (ISM) Dhanbad on 19.10.2023. In response to the DO Letter, Director, IIT (ISM), Dhanbad vide email dt. 27.10.2023 has nominated Prof. P. R. Sahoo as an expert in the panel of peer reviewers to review the Geological Reports of NMET.

Prof. Sahoo has more than 13 years experience of working in exploration of Gold, Basemetal and Coal. He was conferred with National Geoscience Award 2015 for his contribution in the field of Mineral Discovery and Exploration by Ministry of Mines.

Accordingly, Secretary, Mines & Chairperson, EC approved the empanelment of Prof. P. R. Sahoo as an expert for Peer Reviewing the Geological Reports of NMET. Accordingly, OM was issued on 06.11.2023.

Decision of EC: EC ratified the empanelment of Prof. P.R. Sahoo as an expert for Peer Reviewing the Geological Reports of NMET.

Agenda 32.5: Ratification of expenditure incurred on setting up of “Mining Pavilion” at India International Trade Fair (IITF) organized by India Trade Promotional Organization. [Agency: Ministry of Mines]

Ministry of Mines has set up a “Mining Pavilion” at India International Trade Fair (IITF) organized by India Trade Promotional Organization from 14th-27th November, 2023 at Pragati Maidan, New Delhi. The event is a collaborative effort involving the Ministry of Mines, its Public Sector Undertakings (PSUs), attached & subordinate offices and associated organizations of Aluminum, Zinc & Copper.

The primary objective of the event is to demonstrate the robustness and substantial contributions of the Mining Industry to the growth of the Indian Economy. Under the theme of "Vasudhaiva Kutumbakam", the pavilion provides a platform to underscore the global partnerships forged by the Indian Mining Industry.

Administration Section of Ministry of Mines had requested NMET for releasing of ₹ 84,45,099/- (Rupees Eighty-Four Lakh Forty-Five Thousand and Ninety-Nine only) for the advance payment to ITPO towards hiring of 506 sq. m. of area and blocking of ₹1,81,07,190/- (Rupees One Crore eighty-one Lakh Seven Thousand One hundred and Ninety only) for engaging an event management agency for setting up Mining Pavilion during the India International Trade Fair 2023.

In-principle approval from Secretary [Mines] and financial concurrence of JS & FA, Mines had been obtained by Ministry of Mines for incurring the expenditure from NMET funds in File No. ADM-34/22/2023-ADM and ADM-34/24/2023-ADM respectively.

Accordingly, Secretary, Mines & Chairperson, EC approved the financial sanction of ₹2,65,52,289/- (₹84,45,099 + ₹1,81,07,190) (Rupees Two Crore Sixty-Five Lakh Fifty-Two Thousand Two Hundred and Eighty-Nine only) inclusive of 18% GST, from NMET funds, for setting up the Mining Pavilion at India International Trade Fair (IITF) organized by India Trade Promotional Organization from 14th-27th November, 2023 at Pragati Maidan, New Delhi.

Decision of EC: EC ratified the financial sanction of ₹2,65,52,289/- (₹84,45,099 + ₹1,81,07,190) (Rupees Two Crore Sixty-Five Lakh Fifty-Two Thousand Two Hundred and Eighty-Nine only) inclusive of 18% GST, from NMET funds, for setting up the Mining Pavilion at India International Trade Fair (IITF).

Agenda 32.6: Ratification of Timeline Extension of NMET funded exploration projects of TSMDC and OMC.

The two (02) projects for G4 Exploration of Molybdenite, South of Karimnagar Block and G2 Exploration for Manganese ore in Pimperkunta Block were approved in 16th Executive Committee (EC) meeting of NMET held on 25.02.2020 with a time schedule of 12 months to TSMDC. On recommendation of TCC, EC in its 22nd meeting held on 22.12.2021, approved time extension up to 27.06. 2022 owing to COVID -19 situation. The final review of the projects was completed in the 54th TCC held on 23rd and 24th June 2023 and the Geological Reports (GR) and final bills were submitted to NMET on 15.09.2023. Thereafter, TCC in its 57th meeting held on 26th and 27th September, 2023 has recommended timeline extension for the two projects up to 15.09.2023.

Further, two (02) projects for Preliminary Exploration (G3) for Iron Ore in Balita Block and Preliminary Exploration (G3) for Manganese Ore in Lashi Block were approved in 27th Executive Committee (EC) meeting of NMET held on 11.03.2022 with a time schedule of 3 months and 4 months respectively to OMC. On recommendation of TCC, EC in its 27th meeting held on 10.01.2023, approved time extension up to 31.10.2022 and 31.12.2022 for the two projects respectively. However, due to delay in completion of primary & check sample chemical analysis and petrographic & mineralographic studies of the projects, it was further delayed and Geological Reports (GR) and final bills were submitted to NMET on 15.04.2023 and 20.04.2023 respectively. Final review of the projects was completed in the 53rd TCC meeting held on 24th-25th May, 2023. TCC recommended time extension up to 15.04.2023 and 20.04.2023 respectively in the two projects. The details of the same are as follows:

S. No.	Block/ Project	Implementing Agency	Schedule Date of Completion	Required Timeline Up to	Remarks
1	Reconnaissance Survey for prospect evaluation of the sporadic occurrences of Molybdenite, South of Karimnagar (56 N/4), District-Siddipet and Karimnagar, Telangana	TSMDC	27.06.2022	15.09.2023 (14.5 months)	Delay in Execution of Exploration Work
2	General Exploration (G2) for manganese ore in Pimperkunta block, Bheempur Mandal, District: Adilabad, Telangana	TSMDC	27.06.2023	15.09.2023 (14.5 months)	Delay in Drilling
3	Preliminary Exploration (G3) for Iron Ore in Balita Block, District: Keonjhar, Odisha	OMC	31.10.2022	15.04.2023 (5.5 months)	Delay in Chemical Analysis
4	Preliminary Exploration (G3) for Manganese Ore in Lashi Block, District: Sundargarh, Odisha	OMC	31.12.2022	20.04.2023 (4 months)	Delay in Chemical Analysis

Secretary, Mines & Chairperson, EC approved the timeline extension for the four projects as mentioned in table above. Accordingly, OM was issued on 25.10.2023.

Decision of EC: EC ratified the timeline extension as proposed in the table above for TSMDC and OMC.

Agenda 32.7: Approval of the list of Additional Item for Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments etc. aimed at enhancing the exploration activities.

NMET vide letter F. No. 6/9/2015-NMET/294 dated 23.3.2022 and F. No. 6/9/2015- NMET/71 dated 8.6.2022 conveyed to all State DGMs/DMGs that proposals on strengthening of technical infrastructure of State DGMs/DMGs will be considered by NMET for financial assistance.

EC in its 27th meeting held on 10.01.2023 had approved 34 items recommended by Technical-cum-Cost Committee (TCC) for procurement related to mineral exploration activities. On the request of State Governments, TCC in its 52nd meeting recommended another 19 items in addition to earlier approved 34 items which were approved by EC in its 30th meeting held on 06.06.2023. The comprehensive list of 53 items approved by EC is as follows:

A. Field equipment	**B. Sample processing/ preparation**
1. Digital Camera 2. Brunton compass 3. Geologists Hammer 4. Handheld GPS 5. UV Lamp 6. Handheld XRF 7. Scintillometer	1. Rock cutting, Polishing and mounting unit 2. Pulverizer 3. Stereo zoom microscope 4. Polarizing microscope 5. Transmitted and reflected light research microscope with software attached camera
C. Chemical and Petrological Laboratory	**D. Drilling activities**
1. WD-XRF 2. Fusion bead machine 3. Press pellet machine 4. AAS 5. Fire Assay 6. ICP-MS 7. Hot Plates 8. Muffle Furnace/Proximate Analyzer 9. Air Oven 10. Bomb Calorimeter 11. Water Analyzer Kit (Ph, DO conductivity, Salinity) 12. UV Visible Spectrophotometer 13. Ph Meter 14. Conductivity Meter 15. Ion Selective Electrometer (for Fluoride) 16. Fume Hood	1. Drilling Machine up to 1000m capacity. 2. Hydrostatic truck mounted drill machine with 600m to 1000m capacity. 3. Bits, drill rods, casing, core barrel (for one year requirement for one time) 4. Pumps (pressure/mud) 5. Core splitter/core splitter hydrostatic 6. Truck Mounted Hydrostatic Rig 300m/ 600m/1000m 7. Casing 50% 8. Core Barrel NQ-5 nos. & Core Barrel HQ-10 nos. 9. Tripod /Derrick with accessories 10. Tractor Mounted Rig 11. Diamond Core Bit HQ, PQ, NQ-25 nos.
E. Software for map preparation and data analysis	**F. Survey**
1. GIS software 2. Surfer 3. Corel Draw 4. Geovia SURPAC	1. DGPS 2. Total Station 3. Borehole camera 4. Resistivity-Potential Meter

G. Geophysical Activities
1. IP Resistivity 5 K.W 2. Multi Electrode-IP resistivity (shallow depth - 3 KW) 3. Multi-Parameter Logger 4. Magnetometer 5. Gama Ray Spectrometer 6. Digital Resistivity Potential Meter (DRPM)

The TCC committee in its 58th meeting held on 30th-31st October, 2023 and 01st November, 2023 recommended the list of 32 nos. additional items for procurement from NMET funds for approval of EC. The list has been prepared on the basis of data provided by GSI, NGRI, AMD, IBM, MECL and requirement submitted by State Government. TCC also suggested preparing one single specification for the approved items which is mandatory for exploration activities and field studies, regarding this NMET will write letter to GSI, IBM and NGRI seeking the required data about specifications of the approved instruments.

Proposal: Approval is sought on the proposal for including the following 32 nos. Additional Item for Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments etc. aimed at enhancing the exploration activities:

Chemical and Petrological Laboratory Instruments

1. Millipore water Purification System
2. Analytical Weighing Balance
3. Refractometer
4. Magnetic Susceptibility Meter
5. Digital Viscometer
6. Digital Electronic Weighing Scale
7. High-capacity microwave sample digestion unit
8. Heavy Liquid Separation Facility
9. Centrifugal concentrator
10. Certified Reference Materials (CRM)
11. XRD equipments
12. Fluorescent Spectrometer
13. Photo Meter
14. Turbidity Meter
15. Gemicrosscope
16. Dichroscope
17. Polariscope
18. Spectroscope

Sample processing/ preparation

19. Automated sieve shaker Digital recorder with ultrasonic sieve cleaner
20. Shaking Table
21. Rotary sample divider
22. Magnetic Separator
23. Jaw Crusher
24. Platinum Crucible

25. Vibrating Cup Mill
26. Moisture Balance
27. Viscosity Apparatus
28. Planetary Ball Mill (PBM)

Field equipments

29. Multiparameter Water Tester (pH, Conductivity, TDS, Salinity, Temperature)
30. Triplet Loupe

Survey

31. Ion Selective Electrodes
32. Resistivity Meter

Decision of EC: EC approved the list of 32 additional instruments/ equipment/ software for providing financial assistance to State DGMs/ DMGs.

Agenda 32.8: Proposal for Deep Seismic Reflection Survey (DSRS) & Magnetotelluric (MT) Survey along Churu, Rajasthan to Tikamgarh, M.P.-Northern Transect under the project UNCOVER of GSI [Agency: GSI]

The 10th Executive Committee (EC) of NMET held on 30.10.2018 had approved the Deep Seismic Reflection Survey (DSRS) and Magneto-Telluric (MT) Survey for Northern Transect of GSI through ONGC at a cost of 81.00 Crore. Oil and Natural Gas Corporation (ONGC) was the implementing agency for the project and the work was proposed to be carried out on nomination basis through MoU. MoU between GSI & ONGC could not be executed as the payment conditions of ONGC did not satisfy the GFR. Thereafter, GSI made a series of attempts for execution of project in consonance with Ministry of Mines.

Ministry of Mines vide email dated 25.05.2023, suggested GSI, "*to kindly seek a fresh proposal from NGRI to carry out DSRS and MT Survey along Northern Transect under NMET fund, on nomination basis and submit the same to NMET for consideration and necessary action*". GSI approached CSIR-NGRI to carry out DSRS & MT along the Northern Transect.

In consultation with NGRI, GSI submitted the proposal for "Deep Seismic Reflection Survey (DSRS) & Magnetotelluric (MT) Survey along Churu, Rajasthan to Tikamgarh, M.P.-Northern Transect under the project UNCOVER of GSI" with a cost of ₹100.73 Crore (excluding GST) and a timeline of 36 months.

TCC in its 56th meeting recommended the proposal to EC for approval in its 31st meeting with a cost of ₹100.73 Crore (excluding GST) and a timeline of 36 months. On the issue of present escalated cost GSI informed that the cost for the project has been derived from the already ongoing projects of NGRI from the recent expenditure they incurred on the DSRS & MT studies in Kutch Basin.

EC in its 31st meeting recommended that the project "Deep Seismic Reflection Survey (DSRS) & Magnetotelluric (MT) Survey along Churu, Rajasthan to Tikamgarh, M.P.-Northern Transect under the project UNCOVER of GSI" with a cost of ₹100.73 Cr (excluding GST) with a timeline of 36 months subject to approval of Delegated Investment Board, DIB and Hon'ble Minister of Mines.

However, GSI in October, 2023 resubmitted the revised proposal to NMET for review in TCC. On submission of justification for revising the proposals and detailed deliberations during the 58th TCC meeting, TCC recommended the proposal "Deep Seismic Reflection Survey (DSRS) & Magnetotelluric (MT) Survey along Churu, Rajasthan to Tikamgarh, M.P.-Northern Transect under the project UNCOVER of GSI" with a cost of ₹ 99.733 Crore (including GST) and a timeline of 36 months.

Proposal: Approval is sought for financial sanction of ₹99.733/- Crore (Rupees Ninety-Nine Crore Seventy-Three Lakh and Thirty Thousand Only) inclusive of 18% GST to carryout DSRS and MT Survey along Northern Transect with a timeline of 36 months.

Discussion: EC suggested that data processing and analysis for the DSRS and MT survey should be conducted parallel to the field studies and probable areas identified must be communicated to start exploration work simultaneously.

It was also directed to constitute a Project Review and Steering Group (PRSG) having members from Ministry of Mines, Geological Survey of India, Ministry of Petroleum and Natural Gas, Indian Institute of Technology (Indian School of Mines) Dhanbad, Principal Secretary, Mineral Resource Department, Government of Madhya Pradesh, Principal Secretary, Department of Mines and Geology, Government of Rajasthan, NGRI and NMET.

Decision of EC: EC has accorded the financial sanction of ₹99.733/- Crore (Rupees Ninety-Nine Crore Seventy-Three Lakh and Thirty Thousand Only) inclusive of 18% GST to carryout DSRS and MT Survey along Northern Transect with a timeline of 36 months.

Agenda 32.9*:* Financial Sanction for the project "Engaging a Technical Supervision and Quality Control (TS-QC) Consultant for monitoring of Quality Assurance & Quality Control (QA/QC) of the Multi-sensor Aerogeophysical surveys over Block-15 under Phase-II of National Airborne Geophysical Mapping Program (NAGMP) [Agency: GSI]

EC in its 25th meeting held on 29th June 2022 approved TS-QC project for two Blocks-14 &15 at a combined estimated cost of Rs.5.20 Cr. in time schedule of 24 months. Accordingly, two separate LCS based tenders were floated for TS-QC for Blocks-14 &15 for which three bidders participated and only two bidders have been technically qualified.

The TEC (Finance) recommended awarding the contract to M/s IDPeX Private Limited (A joint Venture company of M/s Paterson, Grant & Watson Limited, Canada, M/s International Geoscience Services Ltd, UK and M/s DATACODE, India), the L1 bidder, at a total cost of INR 2,14,56,000/- (Rupees Two Crore Fourteen Lakh Fifty Six Thousand only) inclusive of 18% GST, which is 8.999% less than the estimated cost of INR 2,14,56,000/- as per the proposal submitted by GSI in May 2022 to NMET.

Further, GSI requested, as the project is linked with NAGMP Block-15 data acquisition project of PIA i.e. M/s McPhar International Pvt. Ltd., the timeline has to be in synchronization i.e. this TS-QC project will start only with initiation of data acquisition activity of PIA for Block-15 which is expected to initiate during November/December, 2023. Thus, GSI sought approval of the time duration of 24 months from the date of signing of MoA for execution of the project. In view of above, TCC recommended the project at a cost of ₹ 2,14,56,000/- (Rupees Two Crore Fourteen Lakh Fifty Six Thousand only) inclusive of 18% GST to carryout TS-QC work of NAGMP Block-15 with a timeline of 24 months from the date of signing of MoA.

Proposal: Approval is sought for financial sanction of ₹2,14,56,000/- (Rupees Two Crore Fourteen Lakh Fifty-Six Thousand only) inclusive of 18% GST to carryout TS-QC work of NAGMP Block-15 with a time duration of 24 months from the date of signing the MoA.

Decision of EC: EC has accorded the financial sanction of ₹2,14,56,000/- (Rupees Two Crore Fourteen Lakh Fifty-Six Thousand only) inclusive of 18% GST to carryout TS-QC work of NAGMP Block-15 with a time duration of 24 months from the date of signing the MoA.

Agenda 32.10: Approval of Proposals for Financial Assistance for procurement of Machinery/Equipment

TCC in its 57th meeting held on 26th-27th September, 2023 & 58th meeting held on 30th-31st October, 2023 and 01st November, 2023 recommended the following 03 nos. proposals for financial assistance for procurement of Machinery/Equipment:

S. No.	Project/Block Name	Duration (Months)	Approved Cost (in ₹ Lakh Including GST)
Agency: DGM, Nagaland			
	Financial assistance from NMET fund to procure machinery/laboratory equipment/ instrument etc. aimed at enhancing the exploration activities.	-	20.00 (additional amount of WD-XRF)

Agency: DGM, Tripura			
	Financial assistance from NMET fund to procure machinery/laboratory equipment/ instrument etc. aimed at enhancing the exploration activities.	12	36.76
Agency: DTCI, Manipur			
3.	Financial assistance from NMET fund to procure machinery/laboratory equipment/ instrument etc. aimed at enhancing the exploration activities	12	24.43 (additional cost)
		Total Cost	**81.19**

Decision EC:

1. **Agency: DGM, Nagaland –** EC has accorded financial sanction for additional cost of ₹20.00 Lakh to DGM, Nagaland towards procurement of WD-XRF.
2. **Agency: DGM, Tripura –** EC has accorded financial sanction of ₹36.76 Lakh to DGM, Tripura for procurement of following items:

S. No.	Name of Equipment	Rate (approx. in Lakh)	Unit	Amount (in Lakh)
1	Digital Camera	1.50	02	3.00
2	Brunton Compass	0.027	07	0.19
3	Geological Hammer	0.02	07	0.14
4	Handheld GPS	0.735	02	1.47
5	GIS Software	25.00	01	25.00
6	Total Station	6.96	01	6.96
			Total	**36.76**

3. **Agency: DTCI, Manipur –** EC has accorded financial sanction for additional cost of ₹24.43 Lakh to DTCI, Manipur.

Further, EC directed TCC to approve additional items for procurement by the states other than the approved items, if necessary for enhancing the exploration capabilities of the states**.**

Agenda 32.11: Approval of new project proposals recommended by the Technical-cum-Cost Committee (TCC)

TCC in its 57th meeting held on 26th-27th September, 2023, 58th meeting held on 30th-31st October, 2023 and 01st November, 2023 and 59th meeting held on 28th-29th November, 2023 recommended 19 nos. of mineral exploration projects for approval by EC. The estimated cost of mineral exploration projects is **₹ 6822.08 Lakh.**

The details of the all new project proposals are as follows:

S. No.	Project/Block Name	Commodity	Stage	Duration (Months)	Approved Cost (in ₹ Lakh Including GST)
A. Implementing Agency: MECL					
1	Reconnaissance Survey (G-4) for Iron and associated minerals in Karmai-Chuwahi Block (33.40 sq.km.) Sidhi district, Madhya Pradesh.	Iron Ore & assoc. minerals	G4	09	139.82
2	Preliminary Exploration (G-3) for Potash in Dhankowali Dhani (North) Block (9.63 sq.km.), Satipura Sub Basin, Hanumangarh district, Rajasthan.	Potash	G3	12	2406.17
3	Reconnaissance Survey (G-4) for Gold, copper, graphite and associated minerals in Jamtola-Khandapar Block (96.62 sq.km.), Balaghat district, Madhya Pradesh.	Gold, copper, graphite & assoc. minerals	G4	12	216.30
4	Preliminary Exploration (G-3) for Copper and associated minerals in Sitapur Block, Malanjkhand Copper Belt, Balaghat district, Madhya Pradesh.	Copper & assoc. minerals	G3	12	270.89
5	Reconnaissance Survey (G-4) for Iron in Parsili-Karmai Block (18.34 sq.km.), Sidhi district, Madhya Pradesh.	Iron	G4	08	132.14
6	Preliminary Exploration (G-3) for Diamond in adjacent area of Angira-B & Angira-A Block (2.3 sq.km.), Chhattarpur district, Madhya Pradesh.	Diamond	G3	18	561.54
7	Preliminary Exploration (G-3 stage) for Rock Phosphate in Nimbli Block (2.70 sq.km.), Jaisalmer District, Rajasthan.	Rock Phosphate	G3	12	355.99
8	Preliminary Exploration (G-3 stage) for Manganese & Graphite in Larambha Block (2.57 sq.km.), Balangir District, Odisha	Manganese & Graphite	G3	11	214.14

9	Preliminary Exploration (G-3 stage) for Manganese & Graphite in Kanaital Block (4.26 sq.km.), Balangir District, Odisha.	Manganese & Graphite	G3	11	223.41
10	Reconnaissance Survey (G-4 stage) for REE and Rare Metals in Kumhardih-Khijuri-Pachamba Block (175.28 sq.km.), Giridih District, Jharkhand.	REE and Rare Metals	G4	09	78.10
				Sub Total-A	**4598.50**
B. Implementing Agency: MPSMC Ltd.					
11	Reconnaissance Survey (G-4) for Phosphorite in Bijawar-Imiliya block (95.67 sq.km.), Chhattarpur district, Madhya Pradesh.	Phosphorite	G4	12	126.87
12	Preliminary Exploration (G-3) for Limestone in Bhatura Block (1.5 sq.km.), Satna district, Madhya Pradesh.	Limestone	G3	08	62.71
13	Reconnaissance Survey (G-4) for Limestone in Banki-Salaiya Block (25 sq.km.), Chhhattarpur district, Madhya Pradesh.	Limestone	G4	09	48.08
				Sub Total-B	**237.66**
C. Implementing Agency: DMR, Meghalaya.					
14	Preliminary Exploration (G-3) of Ion-Adsorption Clay and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block (7.1 sq.km.), East Khasi and West Jaintia Hills districts, Meghalaya.	REE	G3	15	300.94
				Sub Total-C	**300.94**
D. Implementing Agency: OMC					
15	Preliminary Exploration (G-3) for Iron ore in Khandadhar Sub Block-E (8.797 sq.km.), Sundargarh district, Odisha.	Iron Ore	G3	12	799.39
16	Preliminary Exploration (G-3) for Iron Ore in Madhyapura Block (6.5 sq.km.), Keonjhar district, Odisha.	Iron Ore	G3	12	197.08
				Sub Total-D	**996.47**

E. Implementing Agency: DMG, Karnataka					
17	Preliminary Exploration (G-3) for Gold & assoc. minerals in Sirigeri Block (2 sq.km.), Ballari district, Karnataka.	Gold & assoc. minerals	G3	12	345.19
				Sub Total-E	**345.19**
F. Implementing Agency: DMG, Odisha (M/s. Maheshwari Mining Pvt. Ltd.)					
18	Reconnaissance Survey (G4 Stage) for Graphite in Darukona Block (119 sq.km.), Rayagada District, Odisha.	Graphite	G4	12	173.82
19	Reconnaissance Survey (G4 stage) for Kanapulisi Graphite Block (98.3 sq.km.), Rayagada District, Odisha.	Graphite	G4	12	169.50
				Sub Total-F	**343.32**
				Total A+B+C+D+E+F	**6822.08**

Discussion: During the technical discussion of the projects EC suggested the following:

a. EC suggested the exploration agencies to do systematic channel sampling with increasing the depth component.
b. For Gold exploration in Karnataka, EC suggested to do EPMA studies and LA-ICPMS studies, if results are encouraging during the time of review of the project.
c. XRD studies may be carried out to deduce the mineral phase by DMR, Meghalaya and the title of the project may be modified as “Preliminary Exploration (G-3) of Ion-Adsorption ***Clay*** and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block (7.1 sq.km.), East Khasi and West Jaintia Hills districts, Meghalaya”. It was also suggested to take joint traverses with GSI and AMD during the field work.
d. In the Graphite exploration projects of DMG, Odisha [M/s Maheshwari Mining Pvt. Ltd.] it was suggested to carry out IP Surveys in place of Magnetic Survey in both the projects.

Decision of EC: EC has accorded approval for projects from S. No. 1 to 19 with an estimated cost of **₹6822.08/- lakhs**.

Agenda 32.12: Approval of Extension of timeline for ongoing projects recommended by TCC

TCC in its 57th meeting held on 26th-27th September, 2023, 58th meeting held on 30th-31st October, 2023 and 01st November, 2023 and 59th meeting held on 28th-

29th November, 2023 recommended 28 nos. of mineral exploration projects for timeline extension for approval by EC.

S. No.	Block/Project	Agency	Schedule date of completion	Required timeline (up to)	Remarks
1.	Preliminary exploration (G3) for bauxite in the Garhpat block (1.63 sq. km.), District-Lohardaga, Jharkhand	CMPDI	19.09.2023	31.12.2023	Delay in Forest Clearance
2.	Preliminary Exploration (G-3) for Iron Ore in Malangtoli E Block, District-Sundargarh and Keonjhar, Odisha	MECL	30.08 .2023	30.09.2023	Delay in Forest Clearance
3.	Preliminary Exploration (G-3) for Iron Ore in Malangtoli D Block, District-Sundargarh and Keonjhar, Odisha.	MECL	30.08 .2023	30.09.2023	For submission of Geological Report
4.	Reconnaissance Survey (G4) for Nickel, Copper & Associated Minerals in Salewara-Kumarwara - Murum Block, District Rajnandgaon, Chhattisgarh	MECL	01.03.2023	15.10.2023	For submission of Geological Report
5.	Preliminary Exploration (G-3) for Graphite and Manganese in Salepali Block, Bolangir Odisha	MECL	19.09.2023	31.10.2023	Additional Borehole recommended by TCC
6.	Reconnaissance survey (G-4) for Tungsten, Tin and Base metal in Datia-Bijapur block (152.33 sq.km) Dist Datia-Shivpuri, Madhya Pradesh	MECL	24.09.2023	10.11.2023	For submission of Geological Report
7.	Preliminary Exploration (G3) for Potash in Bharusari North Block, District-Hanumangarh, Rajasthan	MECL	16.10.2023	31.10.2023 ***(without any cost deduction)***	For submission of Geological Report
8.	Reconnaissance Survey (G4) for Manganese & Graphite in Larambha-Kanaital & Pudapadar-Bharatbahal Block, Balangir District, Odisha	MECL	24.09.2023	31.10.2023	For submission of Geological Report

9.	Reconnaissance Survey (G4) for Copper in Bagwari-Sukwari Block, District-Sidhi, Madhya Pradesh	MECL	06.11.2023	20.11.2023	For submission of Geological Report
10.	Reconnaissance Survey (G4) for Tungsten, Tin & Rare Metals in Govindpur Block, Datia & Shivpuri Districts Madhya Pradesh	MECL	19.09.2023	10.11.2023	For submission of Geological Report
11.	Preliminary Exploration (G3) for Copper in Thakurdih Charakmara Block, East Singhbhum, District, Jharkhand	MECL	10.09.2023	15.12.2023	For submission of Geological Report
12.	Reconnaissance Survey (G4) for Copper in Chalima Block, District-Giridih, Jharkhand	MECL	06.10.2023	31.03.2024	Work delayed due to delay in Forest Clearance
13.	Preliminary Exploration (G3) for Bauxite in Tarhapani (West) Block, District-Koraput, Odisha.	OMC	31.05.2023	15.11.2023	Resource calculation for laterite was also done
14.	Preliminary Exploration (G3) for Bauxite in Karnapodiknda Block in Narayanpatna Tehsil, District – Koraput, Odisha	OMC	30.09.2023	31.03.2024	Work delayed due to Law and Order issue
15.	Preliminary Exploration (G3) for Bauxite in Keluamali Block, District – Kalahandi, Odisha	OMC	31.10.2023	31.03.2024	Work delayed due to Law and Order issue
16.	Timeline Extension of OGP Block 6	GSI	31.03.2024	31.12.2024	Delay in obtaining permission
17.	Timeline Extension of OGP Block 14	GSI	31.01.2024	28.02.2025	Delay in obtaining permission
18.	Preliminary Exploration (G3) for Limestone in Savalhira block, District-Chhattarpur, Maharashtra	DGM, Maharashtra	26.09.2023	31.03.2024	Work delayed due to agricultural activities
19.	Preliminary Exploration (G3) for Manganese in Hardatal block (1.38 sq.km.), District-Balangir, Odisha	DGM, Odisha	02.01.2024	31.03.2024	Additional drilling

20.	General exploration (G2) for coal in south of Damuda block, Jharia Coalfield, District: Dhanbad, Jharkhand.	CMPDI	30.11.2023	29.02.2024	Law & Order issue
21.	Preliminary exploration (G3) for coal in West of Chano-Rikba Coal Block, North Karanpura Coalfield, District: Hazaribagh, Jharkhand.	CMPDI	09.06 .2023	31.03.2024	Land crop Cultivation
22.	Preliminary Exploration for coal in West of Borda and Ghonsa-Parsoda block, Wardha Valley Coalfield, District: Chandrapur, Maharashtra.	CMPDI	09.10 .2023	30.09.2024	Retendering
23.	Reconnaissance Survey (G-4 Stage) for Iron Ore in Alenga-Nendwadi Block, District: Gadchiroli, Maharashtra.	DGM, Maharashtra (M/s Gemcokati Exp. Pvt. Ltd.)	29.12.2023	15.02.2024	Law & Order issue
24.	Reconnaissance Survey (G-4 stage) for Iron Ore in Marampalli-Jinjgaon Block, District: Gadchiroli, Maharashtra.		29.12.2023	15.02.2024	Law & Order issue
25.	Reconnaissance Survey (G-4 Stage) for Iron Ore in Tadgaon-Wateli Block, District: Gadchiroli, Maharashtra.		29.12.2023	15.02.2024	Law & Order issue
26.	Reconnaissance Survey (G4) for Kyanite in Kallahalli Kyanite block, District- Mysore, Karnataka (deferred in 31st EC meeting)	KIOCL	23.02.2022	31.08.2023	Delay in sample analysis

Decision of EC: EC has accorded approval for extension of timeline for projects from S. No. 1 to 26.

Agenda 32.13: Approval of Additional costs for ongoing projects recommended by TCC.

TCC in its 57th meeting held on 26th-27th September, 2023, 58th meeting held on 30th-31st October, 2023 and 01st November, 2023 and 59th meeting held on 28th-

29th November, 2023 has approved the additional cost for following 04 nos. of mineral exploration projects.

S. No.	Block/Project	Agency	Approved cost(₹ in Lakh)	Additional cost (₹ in Lakh)	Remarks
1	Preliminary exploration (G3) for limestone in Malkhed block- 1 and 2 (18.01 sq. km), Bhima Basin, District: Gulbarga (Kalaburagi), Karnataka	MECL	147.77	10.20	Additional Chemical Analysis
2.	Preliminary exploration (G3) for limestone in Kiranagi-1 and Kiranagi-2 block, Bhima Basin, District: Gulbarga, Karnataka	MECL	127.58	1.49	Additional Chemical Analysis
3.	Preliminary exploration (G3) for coal in Gurwani block, Main Basin, Singrauli Coalfield District: Singrauli, Madhya Pradesh	CMPDI	3.93	0.0299	Housekeeping Charges
4.	Preliminary exploration for coal in East of Chuperbhita block, Rajmahal Coalfield, District: Godda, Jharkhand.	CMPDI	430.47	15.43	Additional Chemical Analysis

Decision of EC: Noted.

Additional Points:

1. Chairman, EC asked Director General, Geological Survey of India to organizing a workshop in coordination with Mineral Exploration and Consultancy Limited to revise the norms and parameters mineral wise exploration projects on all levels i.e., G4, G3, G2, G1 to enhance the quality of the exploration work. It was also advised to invite the international agencies, mining companies and industry partners in the workshop. Secretary [Mines] also asked GSI & MECL to organize the workshop within one month.

[Action: GSI/ MECL]

2. Chairman, EC directed NMET to monitor timely execution of the projects.

[Action: NMET]

3. Chairman, EC directed that training program for capacity building in conducting Megnetotelluric Survey may be introduced in Geological Survey of India, PSUs and other exploration agencies for enhancing in-house capabilities for taking up more such projects.

[Action: GSI/MECL]

4. Chairman, EC requested Government of Madhya Pradesh to nominate an officer from MRD, Madhya Pradesh to assist the projects executed in the State of Madhya Pradesh by the exploration agencies from NMET funds so that the same may be completed within the sanctioned timelines.

[Action: MRD, Madhya Pradesh]

5. Chairman, EC asked Geological Survey of India to fix date for the launch of NGDR Portal and prepare for a LIVE Demo of the Portal during the Workshop scheduled in Hyderabad on 22nd December, 2023.

[Action: GSI/ Director(T)]

The meeting ended with vote of thanks to the Chair.

Annexure 1

S. No.	Name/ Designation	Status	Remarks
1	Sh. V.L. Kantha Rao, Secretary, Ministry of Mines	Chairperson, ex officio	Physical
2	Sh. Sanjay Lohiya, Additional Secretary, Ministry of Mines & CG, IBM	Member Secretary, ex Officio	Physical
3	Sh. Janardan Prasad Director General, Geological Survey of India	Member, ex Officio	Through VC
4	Smt. Nirupama Kotru, JS & FA, Ministries of Mines	Member, ex Officio	Physical
5	Sh. Anand Ji Prasad, Advisor (P), Ministry of Coal	Member, ex Officio	Physical
6	Dr. B. Saravanan, Director, Department of Atomic Energy	Member, ex Officio	Through VC
7	Sh. Raghvendra Kumar Singh Principal Secretary, Mineral Resource Department, Government of Madhya Pradesh	Member, ex Officio	Through VC
8	Sh. Rajiv Ranjan Meena, Director, Mineral Resource Department, Government of Madhya Pradesh	Member, ex Officio	Through VC
9	Sh. Gajanand Kaamde, Director, Government of Maharashtra	Member, ex Officio	Through VC
10	Sh. N. P. Singh, Additional Director (Geology), Government of Rajasthan	Member, ex Officio	Through VC
11	Dr. Yamuna Singh, Scientist-H, Atomic Minerals Directorate (Retd.)	Member	Physical`
12	Dr. Laxman Singh Shekhawat, DDG (Retd.), GSI	Member	Through VC
13	Dr. Sahendra Singh, Associate Professor, IIT (ISM), Dhanbad	Member	Through VC
14	Sh. Alok Sharma, GM (Exploration) (Retd.) CMPDIL.	Member	Through VC
15	Sh. Naresh Nautiyal, Head (Business Development and Planning) (Retd.), MECL	Member	Through VC
16	Dr. S. Ravi, DDG, GSi and Chairman TCC	Chairman, TCC	Physical
17	Sh. Vivek Kumar Sharma, Director, Ministry of Mines	Director & HoD, NMET	Physical
18	Sh. Pradeep Singh Director (Technical) Ministry of Mines	Invitee	Physical
19	Dr. Biswajit Mandal NGRI	Invitee	Through VC
20	Sh. LMS Maura DDG & RMH-II, GSI, WR	Invitee	Through VC

Annexure 2

Details of the new project proposals approved in 32nd EC Meeting of NMET

S. No.	Project/Block Name	Commodity	Stage	Duration (Month)	Approved Cost (in ₹ Lakh Including GST)
A. Implementing Agency: MECL					
1	Reconnaissance Survey (G-4) for Iron and associated minerals in Karmai-Chuwahi Block (33.40 sq.km.) Sidhi district, Madhya Pradesh.	Iron Ore & assoc. minerals	G4	09	139.82
2	Preliminary Exploration (G-3) for Potash in Dhankowali Dhani (North) Block (9.63 sq.km.), Satipura Sub Basin, Hanumangarh district, Rajasthan.	Potash	G3	12	2406.17
3	Reconnaissance Survey (G-4) for Gold, copper, graphite and associated minerals in Jamtola-Khandapar Block (96.62 sq.km.), Balaghat district, Madhya Pradesh.	Gold, copper, graphite & assoc. minerals	G4	12	216.30
4	Preliminary Exploration (G-3) for Copper and associated minerals in Sitapur Block, Malanjkhand Copper Belt, Balaghat district, Madhya Pradesh.	Copper & assoc. minerals	G3	12	270.89
5	Reconnaissance Survey (G-4) for Iron in Parsili-Karmai Block (18.34 sq.km.), Sidhi district, Madhya Pradesh.	Iron	G4	08	132.14
6	Preliminary Exploration (G-3) for Diamond in adjacent area of Angira-B & Angira-A Block (2.3 sq.km.), Chhattarpur district, Madhya Pradesh.	Diamond	G3	18	561.54
7	Preliminary Exploration (G-3 stage) for Rock Phosphate in Nimbli Block (2.70 sq.km.), Jaisalmer District, Rajasthan.	Rock Phosphate	G3	12	355.99

8	Preliminary Exploration (G-3 stage) for Manganese & Graphite in Larambha Block (2.57 sq.km.), Balangir District, Odisha	Manganese & Graphite	G3	11	214.14
9	Preliminary Exploration (G-3 stage) for Manganese & Graphite in Kanaital Block (4.26 sq.km.), Balangir District, Odisha.	Manganese & Graphite	G3	11	223.41
10	Reconnaissance Survey (G-4 stage) for REE and Rare Metals in Kumhardih-Khijuri-Pachamba Block (175.28 sq.km.), Giridih District, Jharkhand.	REE and Rare Metals	G4	09	78.10
				Sub Total-A	**4598.50**
B. Implementing Agency: MPSMC Ltd.					
11	Reconnaissance Survey (G-4) for Phosphorite in Bijawar-Imiliya block (95.67 sq.km.), Chhattarpur district, Madhya Pradesh.	Phosphorite	G4	12	126.87
12	Preliminary Exploration (G-3) for Limestone in Bhatura Block (1.5 sq.km.), Satna district, Madhya Pradesh.	Limestone	G3	08	62.71
13	Reconnaissance Survey (G-4) for Limestone in Banki-Salaiya Block (25 sq.km.), Chhhattarpur district, Madhya Pradesh.	Limestone	G4	09	48.08
				Sub Total-B	**237.66**
C. Implementing Agency: DMR, Meghalaya.					
14	Preliminary Exploration (G-3) of Ion-Adsorption Clay and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block (7.1 sq.km.), East Khasi and West Jaintia Hills districts, Meghalaya.	REE	G3	15	300.94
				Sub Total-C	**300.94**

D. Implementing Agency: OMC					
15	Preliminary Exploration (G-3) for Iron ore in Khandadhar Sub Block-E (8.797 sq.km.), Sundargarh district, Odisha.	Iron Ore	G3	12	799.39
16	Preliminary Exploration (G-3) for Iron Ore in Madhyapura Block (6.5 sq.km.), Keonjhar district, Odisha.	Iron Ore	G3	12	197.08
				Sub Total-D	**996.47**
E. Implementing Agency: DMG, Karnataka					
17	Preliminary Exploration (G-3) for Gold & assoc. minerals in Sirigeri Block (2 sq.km.), Ballari district, Karnataka.	Gold & assoc. minerals	G3	12	345.19
				Sub Total-E	**345.19**
F. Implementing Agency: DMG, Odisha (M/s. Maheshwari Mining Pvt. Ltd.)					
18	Reconnaissance Survey (G4 Stage) for Graphite in Darukona Block (119 sq.km.), Rayagada District, Odisha.	Graphite	G4	12	173.82
19	Reconnaissance Survey (G4 stage) for Kanapulisi Graphite Block (98.3 sq.km.), Rayagada District, Odisha.	Graphite	G4	12	169.50
				Sub Total-F	**343.32**
				Total A+B+C+D+E+F	**6822.08**

Annexure 3

Details of Timeline Extension for Ongoing Projects approved in 32nd EC Meeting

S. No.	Block/Project	Agency	Schedule date of completion	Required timeline (up to)	Remarks
1.	Preliminary exploration (G3) for bauxite in the Garhpat block (1.63 sq. km.), District-Lohardaga, Jharkhand	CMPDI	19.09.2023	31.12.2023	Delay in Forest Clearance
2.	Preliminary Exploration (G-3) for Iron Ore in Malangtoli E Block, District- Sundargarh and Keonjhar, Odisha	MECL	30.08 .2023	30.09.2023	Delay in Forest Clearance
3.	Preliminary Exploration (G-3) for Iron Ore in Malangtoli D Block, District- Sundargarh and Keonjhar, Odisha.	MECL	30.08 .2023	30.09.2023	For submission of Geological Report
4.	Reconnaissance Survey (G4) for Nickel, Copper & Associated Minerals in Salewara-Kumarwara - Murum Block, District Rajnandgaon, Chhattisgarh	MECL	01.03.2023	15.10.2023	For submission of Geological Report
5.	Preliminary Exploration (G-3) for Graphite and Manganese in Salepali Block, Bolangir Odisha	MECL	19.09.2023	31.10.2023	Additional Borehole recommended by TCC
6.	Reconnaissance survey (G-4) for Tungsten, Tin and Base metal in Datia-Bijapur block (152.33 sq.km) Dist Datia-Shivpuri, Madhya Pradesh	MECL	24.09.2023	10.11.2023	For submission of Geological Report
7.	Preliminary Exploration (G3) for Potash in Bharusari North Block, District-Hanumangarh, Rajasthan	MECL	16.10.2023	31.10.2023 ***(without any cost deduction)***	For submission of Geological Report

8.	Reconnaissance Survey (G4) for Manganese & Graphite in Larambha-Kanaital & Pudapadar-Bharatbahal Block, Balangir District, Odisha	MECL	24.09.2023	31.10.2023	For submission of Geological Report
9.	Reconnaissance Survey (G4) for Copper in Bagwari-Sukwari Block, District-Sidhi, Madhya Pradesh	MECL	06.11.2023	20.11.2023	For submission of Geological Report
10.	Reconnaissance Survey (G4) for Tungsten, Tin & Rare Metals in Govindpur Block, Datia & Shivpuri Districts Madhya Pradesh	MECL	19.09.2023	10.11.2023	For submission of Geological Report
11.	Preliminary Exploration (G3) for Copper in Thakurdih Charakmara Block, East Singhbhum, District, Jharkhand	MECL	10.09.2023	15.12.2023	For submission of Geological Report
12.	Reconnaissance Survey (G4) for Copper in Chalima Block, District-Giridih, Jharkhand	MECL	06.10.2023	31.03.2024	Work delayed due to delay in Forest Clearance
13.	Preliminary Exploration (G3) for Bauxite in Tarhapani (West) Block, District-Koraput, Odisha.	OMC	31.05.2023	15.11.2023	Resource calculation for laterite was also done
14.	Preliminary Exploration (G3) for Bauxite in Karnapodiknda Block in Narayanpatna Tehsil, District – Koraput, Odisha	OMC	30.09.2023	31.03.2024	Work delayed due to Law and Order issue
15.	Preliminary Exploration (G3) for Bauxite in Keluamali Block, District – Kalahandi, Odisha	OMC	31.10.2023	31.03.2024	Work delayed due to Law and Order issue
16.	Timeline Extension of OGP Block 6	GSI	31.03.2024	31.12.2024	Delay in obtaining permission
17.	Timeline Extension of OGP Block 14	GSI	31.01.2024	28.02.2025	Delay in obtaining permission
18.	Preliminary Exploration (G3) for Limestone in Savalhira block, District-Chhattarpur, Maharashtra	DGM, Maharashtra	26.09.2023	31.03.2024	Work delayed due to agricultural activities

19.	Preliminary Exploration (G3) for Manganese in Hardatal block (1.38 sq.km.), District-Balangir, Odisha	DGM, Odisha	02.01.2024	31.03.2024	Additional drilling
20.	General exploration (G2) for coal in south of Damuda block, Jharia Coalfield, District: Dhanbad, Jharkhand.	CMPDI	30.11.2023	29.02.2024	Law & Order issue
21.	Preliminary exploration (G3) for coal in West of Chano-Rikba Coal Block, North Karanpura Coalfield, District: Hazaribagh, Jharkhand.	CMPDI	09.06 .2023	31.03.2024	Land crop Cultivation
22.	Preliminary Exploration for coal in West of Borda and Ghonsa-Parsoda block, Wardha Valley Coalfield, District: Chandrapur, Maharashtra.	CMPDI	09.10 .2023	30.09.2024	Retendering
23.	Reconnaissance Survey (G-4 Stage) for Iron Ore in Alenga-Nendwadi Block, District: Gadchiroli, Maharashtra.	DGM, Maharashtra (M/s Gemcokati Exp. Pvt. Ltd.)	29.12.2023	15.02.2024	Law & Order issue
24.	Reconnaissance Survey (G-4 stage) for Iron Ore in Marampalli-Jinjgaon Block, District: Gadchiroli, Maharashtra.		29.12.2023	15.02.2024	Law & Order issue
25.	Reconnaissance Survey (G-4 Stage) for Iron Ore in Tadgaon-Wateli Block, District: Gadchiroli, Maharashtra.		29.12.2023	15.02.2024	Law & Order issue
26.	Reconnaissance Survey (G4) for Kyanite in Kallahalli Kyanite block, District- Mysore, Karnataka (deferred in 31st EC meeting)	KIOCL	23.02.2022	31.08.2023	Delay in sample analysis

Annexure 4

Details of Additional Cost for Ongoing Projects approved in 32nd EC Meeting

S. No.	Block/Project	Agency	Approved cost(₹ in Lakh)	Additional cost (₹ in Lakh)	Remarks
1	Preliminary exploration (G3) for limestone in Malkhed block- 1 and 2 (18.01 sq. km), Bhima Basin, District: Gulbarga (Kalaburagi), Karnataka	MECL	147.77	10.20	Additional Chemical Analysis
2.	Preliminary exploration (G3) for limestone in Kiranagi-1 and Kiranagi-2 block, Bhima Basin, District: Gulbarga, Karnataka	MECL	127.58	1.49	Additional Chemical Analysis
3.	Preliminary exploration (G3) for coal in Gurwani block, Main Basin, Singrauli Coalfield District: Singrauli, Madhya Pradesh	CMPDI	3.93	0.0299	Housekeeping Charges
4.	Preliminary exploration for coal in East of Chuperbhita block, Rajmahal Coalfield, District: Godda, Jharkhand.	CMPDI	430.47	15.43	Additional Chemical Analysis