Only through e-mail

Government of India
Ministry of Mines
National Mineral Exploration Trust

F.No.6/2/2015-NMET/ 385 New Delhi, 23rd March, 2023

Subject: Circulation of minutes of 28th meeting of Executive Committee (EC) of National Mineral Exploration Trust (NMET) held on 16th March, 2023.

Please find enclosed the minutes of 28th meeting of Executive Committee of NMET held on 16th March, 2023 for your kind perusal.

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

[Vivek Kumar Sharma] 23.03.23
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.

Government of India
Ministry of Mines
National Mineral Exploration Trust [NMET]

Minutes of the 28th meeting of the Executive Committee (EC) of National Mineral Exploration Trust (NMET) held on 16th March, 2023

The 28th meeting of EC of NMET was held under the Chairmanship of Shri Vivek Bharadwaj, Secretary (Mines) on 16th March, 2023 in Khanij Kaksh, Ministry of Mines, Shastri Bhawan, New Delhi in hybrid mode. The list of participants is given in **annexure-1.**

Shri Sanjay Lohiya, Additional Secretary, Mines welcomed all the participants in the last EC meeting of F.Y. 2022-23. The meeting was preceded with agenda wise discussion.

Shri Vivek Kumar Sharma, Director & HoD, NMET presented the agenda points for the meeting.

Following are the agenda points discussed and decisions taken.

1. **Approval of minutes of 27th meeting of EC held on 10th January, 2023.**

The minutes of the 27th meeting of EC held on 10th January, 2023 were circulated on 30th January, 2023. No comments from the members have been received.

Decision of EC:

EC approved the minutes of the 27th meeting of EC held on 10th January, 2023.

2. **Action Taken Report (ATR) for minutes of 27th meeting of EC held on 10th January, 2023.**

The ATR on minutes of the 27th meeting of EC held on 10th January, 2023 were presented in the meeting.

Shri Vivek Sharma, Director & HoD, NMET informed that necessary action has been taken on decisions of the minutes of 27th EC meeting.

Discussion: Chairman, EC asked to speed up the disbursement of the advances to the exploration agencies. He also asked Director & HoD, NMET to provide the status of the

action taken of the review on the budget projection provided by GSI & MECL as discussed during 27th EC meeting.

Decision of EC:

EC accepted the action taken report on minutes of 27th meeting of EC held on 10th January, 2023.

3. **Nomination of a representative of Atomic Minerals Directorate for Exploration and Research (AMD) in Technical-cum-Cost Committee (TCC) of National Mineral Exploration Trust (NMET)**

As per the decision taken in 17th EC held on 05th November, 2020, one representative of Atomic Minerals Directorate for Exploration and Research (AMD), Department of Atomic Energy was to be included in the TCC. Accordingly, vide Letter No. 3/10(38)/2015-PSU-Vol.II/10040 dated 10th December, 2020, AMD had nominated Dr. B. Saravanan, the then Additional Director, Atomic Minerals Directorate for Exploration and Research, Hyderabad as representative of AMD in Technical-cum-Cost Committee (TCC) of NMET. This was approved in the 18th meeting of EC held on 17th February, 2021 and Dr. B. Saravanan was included as a member of TCC Committee.

With reference to letter no. 10(38)/2015-PSU-Vol.II/238 dated 5th January, 2023 AMD has now nominated Shri K.L. Mundra, Head, RMRE, Atomic Minerals Directorate for Exploration and Research, Department of Atomic Energy as representative of AMD in Technical cum-Cost Committee (TCC) of NMET in place of Dr. B. Saravanan, Director, AMD.

Proposal to EC:

It is proposed to accord approval regarding the nomination of Shri K.L. Mundra, Head, RMRE as representative of AMD in Technical cum-Cost Committee (TCC) of NMET in place of Dr. B. Saravanan.

Decision of EC:

EC accepted the nomination of Shri K.L. Mundra, Head, RMRE, AMD, Department of Atomic Energy as representative of AMD in Technical cum-Cost Committee (TCC) of NMET.

(Action: NMET)

4. **Reimbursement of Net Present Value (NPV) for forest permission for Reconnaissance Survey for Coal in North of Chulaha Bhulia block, Sohagpur Coalfield, District: Anuppur, Madhya Pradesh. [Implementing agency: CMPDI]**

CMPDI has requested reimbursement of ₹4,48,577/- (Rupees four lakh forty eight thousand five hundred seventy seven only) towards NPV for obtaining forest permission from MoEFCC for coal exploration project “Reconnaissance Survey for Coal in North of Chulaha Bhulia block (8.77 sq. km), Sohagpur Coalfield, District: Anuppur, Madhya Pradesh”.

Proposal to EC:

It is proposed to accord approval for reimbursement of ₹ 4,48,577/- (Rupees Four Lakh forty-eight thousand five hundred and seventy-seven only) towards NPV for obtaining forest clearance from NMET fund in addition to the cost of exploration already approved by NMET being a statutory payment.

Decision of EC:

EC accorded the approval of ₹4,48,577/- (Rupees Four Lakh forty-eight thousand five hundred and seventy-seven only) for reimbursement of NPV for forest clearance from NMET fund.

(Action: NMET/CMPDI)

5. **Revision of charges towards “Preparation of Exploration Proposal” in the Schedule of Charges (SoC) of NMET.**

On the request received from Government of Karnataka, a Committee duly constituted vide OM F.N.22/11/2015-NMET dated 11.01.2023 under the chairmanship of Shri Janardan Prasad, ADG & HoD, GSI, SR and Chairman, TCC, NMET with Shri Pradeep Singh, Director (Technical), M/o Mines and Shri Vivek Kumar Sharma, Director & HoD, NMET as members have reviewed the Schedule of Charges (SoC) of NMET for Preparation of Exploration Proposal.

The Committee recommended that there is need to revise the existing charges towards preparation of mineral exploration project proposals from "2% of approved project cost or ₹3.8lakh whichever is lower" to “2% of approved project cost subject to minimum of ₹ 2lakh and maximum of ₹ 5 lakh”.

Proposal to EC:

It is proposed to accord approval for the revision of SoC of NMET for Preparation of Exploration Proposal to "2% of approved project cost subject to minimum of ₹2lakh and maximum of ₹ 5 lakh".

Decision of EC:

EC accorded its approval for revision of SoC for Preparation of Exploration Proposal to "2% of approved project cost subject to a maximum of ₹5 lakh".

(Action: NMET)

6. **Financial sanction of revised cost of "Preliminary exploration (G3) for Basemetal (Cu, Pb, Zn) in Chintakuntala block (5.00 sq. km), District: Nalgonda, Telangana". [Implementing agency: MECL]**

Preliminary exploration (G3) for Basemetal (Cu, Pb, Zn) in Chintakuntala block (5.00 sq. km), District: Nalgonda, Telangana was approved in the 27th EC Meeting held on 10th January, 2023. The total cost of the project was ₹1,87,24,760.00/- and the cost of Geological Report Preparation is mentioned as ₹5,61,743.00/ under clause 5.2 of SoC of NMET.

However, under clause 5.2 of SoC of NMET cost of the project having more than ₹ 150 lakhs but less than ₹ 300 lakhs - the cost for Geological Report Preparation is a minimum of ₹7.50 lakhs or 3% of the value of work whichever is more. Accordingly, the actual calculation of total cost for Geological Report Preparation is ₹7,50,000.00/- instead of ₹5,61,743.00/-. Hence, there is a difference of ₹1,88,257.00/- in the approved cost.

Proposal to EC:

It is proposed to accord approval for the differential amount of ₹1,88,257.00/- (Rs. One lakh eighty-eight thousand two hundred and fifty-seven only) against Geological Report Preparation charges in Chintakuntala Block, Nalgonda District, Telangana.

Decision of EC:

EC accorded its approval for the differential amount of ₹1,88,257.00/- (Rs. One lakh eighty-eight thousand two hundred and fifty-seven only) against Geological Report Preparation charges in Chintakuntala Block, Nalgonda District, Telangana.

(Action: NMET/MECL)

7. **Approval of new project proposals recommended by the Technical-cum-Cost Committee (TCC) during review meeting of 48th TCC held on 13th January, 2023 and 49th & 50th TCC meeting held during January and March, 2023.**

Shri Janardan Prasad, ADG and Chairman, TCC, NMET presented the details of projects recommended for approval of EC. He informed that TCC Committee in its 49th and 50th meetings held on 30th & 31th January, 2023 and 2nd & 3rd March, 2023 respectively and review meeting of 48th TCC Committee held on 13th January, 2023 recommended 13 nos. of mineral exploration projects with an estimated cost of **₹32.65 Crore** and gave in-principle approval for 8 nos. projects for financial assistance with an estimated cost of **₹25.57 Crore** for approval by EC subject to restriction of cost provided by GSI/IBM or the DMGs whichever is lower.

The mineral exploration projects are of different commodities {Coal (1), Potash (1), Limestone (3), Copper & associated minerals (1), Polymetals (2), REE & RM (1), REE (2), Iron & associated minerals (1) and Ni & PGE (1)}.

The financial assistance proposals recommended by TCC for the procurement of instruments/equipment/software are submitted by DMG, Sikkim (1); DGM, Nagaland (2); DGM, Arunachal Pradesh (1); DGM, UT of Ladakh (1); DGM, UP (2); DGM, Chhattisgarh (1); DGM, Tamil Nadu (1) and DMG, Jharkhand (1).

1 mineral exploration proposal on potash in Lakhasar East Block submitted by MECL was deferred in 24th EC was also put up for approval of EC after receiving the justification from MECL.

The detailed discussion and EC decision for project proposals recommended for approval of EC are as follows:

7.1 Reconnaissance Survey (G4 Stage) for Coal in Khapia Block, North Karanpura Coalfield District Harzaribagh Jharkhand (Block Area 19.10 sq.km., Estimated Cost ₹1.61 Crore and Scheduled Timeline-12 months). [Implementing agency: CMPDI]

Discussion:

Shri Janardan Prasad, ADG, GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that 4 Boreholes with 1100 m targets, borehole geophysical logging and band by band analysis of the logs will be carried out. It was also informed that outcome of the geological and geophysical survey will be reviewed after six months. The nominated expert members suggest that the clay horizons encountered during drilling may be analysed for REE and carbonaceous shale may also be analysed for base metal and precious metal.

EC decision:

EC approved the project with an estimated cost of **₹1.61 Crore** and timeline of **12 months**.

(Action: NMET)

7.2 Preliminary exploration (G3) for Potash in Lakhasar East block, Lakhasar-Sub Basin, North Western Part of Rajasthan, District: Bikaner, Rajasthan. (Block Area 7.16 sq.km., Estimated Cost ₹15.51 Crore and Scheduled Timeline-18 months) [Implementing agency-MECL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. As an outcome of G-3 stage exploration in the Lakhasar block a total 14 co-relatable main potash zones and eleven local zones have been identified in Lakhasar block and 11 no. of boreholes with a total of 7700 m of drilling at 800m X 800m grid in the area i.e.7.16 sq. km. will be carried out. The project will be reviewed after 6 boreholes in the 7th month.

Chairman, TCC also informed that the proposal was recommended by TCC committee in its 39th meeting to EC. However, EC in its 24th meeting held on 18th May, 2022 deferred the proposal seeking status of auction of explored blocks from State Government. On receipt of the request from MECL to consider the proposal again for NMET funding, the same was put up for the approval of EC.

Shri Sanjay Lohiya, Member Secretary apprised the house about the justification given by State Government. It was informed that the State Government is considering to auction all the Potash blocks explored in the area as one composite block, hence the project proposal may be considered for funding from NMET.

EC decision:

EC approved the project with an estimated cost of **₹15.51 Crore** and timeline of **18 months**.

(Action: NMET)

7.3 Preliminary exploration (G3) for limestone in Kiranagi-1 and Kiranagi-2 block, Bhima Basin, District: Gulbarga, Karnataka. (Block Area 11.41 sq.km., Estimated Cost ₹1.28 Crore and Scheduled Timeline-10 months) [Implementing agency-MECL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping (1:4,000 Scale), 450 m drilling in 10 boreholes (5 boreholes in each block), chemical analysis for major oxides and bulk density determination will be carried out. He also informed that two separate reports for exploration work will be generated and blocks will also be auctioned separately.

EC decision:

EC approved the project with an estimated cost of **₹1.28 Crore** and timeline of **10 months**.

(Action: NMET)

7.4 Preliminary exploration (G3) for copper and associated minerals in Kalasapura block, District: Chikkamagluru, Karnataka. (Block Area 15.00 sq.km., Estimated Cost ₹1.47 Crore and Scheduled Timeline-12 months) [Implementing agency-MECL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspect of project. He informed that geological mapping (1:4,000 Scale), 350 m drilling in 4 boreholes, chemical analysis and geophysical survey will be carried out. The outcome of exploration work will be reviewed after 4 months and 7 months (to review the scout drilling).

The members of committee suggested that the chemical values presented are not encouraging for exploration of Basemetals. During deliberations, they also mentioned that the grab sample values are always misleading and some channel/chip/pit sample may be analysed for having better control.

Chairman, EC reviewed the project and opined that on the basis of the work presented by the NEA, the area and quantity of reserve does not seem to be promising at this stage.

EC decision:

EC deferred the project and asked to check the viability of the mineral resource for mining.

(Action: MECL/DMG, Karnataka)

7.5 Reconnaissance survey (G4) for Polymetals (Cu, Au, Ag) in Miregaon block, Districts: Bhandara and Gondiya, Maharashtra. (Block Area 40.769 sq.km., Estimated Cost ₹1.1 Crore and Scheduled Timeline-12 months) [Implementing agency-MECL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping (1:12,500 Scale), 200 m drilling in 2 boreholes, chemical analysis and geophysical survey will be carried out. The outcome of exploration work will be reviewed after 4 months and 7 months (to review the scout drilling).

Dr. L.S. Shekhawat [Nominated EC expert member] informed that IP and Resistivity geophysical survey should be carried out instead of SP and Magnetic Survey in the block and whole rock chemistry of a few samples may also be carried out.

EC decision:

EC approved the project with an estimated cost of **₹1.1 Crore** and timeline of **12 months**.

(Action: NMET)

7.6 Reconnaissance Survey (G-4 Stage) for REE and Rare Metals (RM) mineralization in Khairlanji Block, Part of Districts: Balaghat & Seoni, State–Madhya Pradesh. (Block Area 123.04 sq.km., Estimated Cost ₹0.69 Crore and Scheduled Timeline-12 months) [Implementing agency-MECL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping (1:12,500 Scale), chemical analysis and Petrological studies will be carried out.

Dr. B. Sarvanan and Dr. L.S. Shekhawat [Nominated EC expert members] suggested to study the rare earth minerals and carry out EPMA studies if needed for the REE bearing minerals in the area.

EC decision:

EC approved the project with an estimated cost of **₹0.69 Crore** and timeline of **12 months**.

(Action: NMET)

7.7 Reconnaissance Survey (G-4) for REE in Rudrawathi Block, District-Tiruppur, Tamil Nadu.(Block Area 126 sq.km., Estimated Cost ₹0.72 Crore and Scheduled Timeline-12 months) [Implementing agency-MECL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping (1:12,500 Scale), chemical analysis and Petrological studies will be carried out. The progress of exploration work will be reviewed after six month.

EC decision:

EC approved the project with an estimated cost of **₹0.72 Crore** and timeline of **12 months**.

(Action: NMET)

7.8 Reconnaissance Survey (G-4) for REE in Sarnu Block, Barmer District, Rajasthan. (Block Area 118.10 sq.km., Estimated Cost ₹0.70 Crore and Scheduled Timeline-12 months, [Implementing agency-MECL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping (1:12,500 scale), whole rock studies, pitting/trenching (50 cu. m) and geophysical surveys (Gravity and Magnetic) will be carried out for mineral exploration in the block. The outcome of the project will be reviewed after six months.

EC decision:

EC approved the project with an estimated cost of **₹0.70 Crore** and timeline of **12 months**.

(Action: NMET)

7.9 Reconnaissance survey (G4) for Iron and associated minerals in Salaiya, Districts: Jabalpur, Katni & Umaria, State: Madhya Pradesh. (Block Area-110.56 sq.km., Estimated Cost ₹0.50 Crore and Scheduled Timeline-12 months] [Implementing agency-MECL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping (1:12,500 Scale),

physical and Petrological studies will be carried out. Chemical analysis for 4 radicals and Au will be carried out. The progress of exploration work will be reviewed after six month.

Dr. L.S. Shekhawat [Nominated EC expert member] suggested carrying out Lithium (Li) & Scandium (Sc) analysis for a few samples of bauxite.

EC decision:

EC approved the project with an estimated cost of **₹0.50 Crore** and timeline of **12 months**.

(Action: NMET)

7.10 Preliminary Exploration for Limestone in Naddisinur-1 and 2 Blocks, Bhima basin, District-Gulbarga (Kalaburagi), Karnataka. (Block Area-12.09 sq.km., Estimated Cost ₹1.38 Crore and Scheduled Timeline-10 months) [Implementing agency-MECL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping (1:4,000 Scale), 450m drilling in 10 boreholes (5 boreholes in each block) with average depth of 45m, chemical analysis for 9 radicals (major oxides) and bulk density determination will be carried out.

EC decision:

EC approved the project with an estimated cost of **₹1.38 Crore** and timeline of **10 months**.

(Action: NMET)

7.11 Reconnaissance Survey (G-4) for polymetalic mineralization (Au, Cu, Ni, Co) in Dharwar Shimoga Schist Belt of Nagavanda area Dhavangere, Haveri and Shimoga District, Karnataka. (Block Area-63.62 sq.km., Estimated Cost ₹1.48 Crore and Scheduled Timeline-12 months) [Implementing agency-KIOCL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping on 1:12,500 scale, chemical analysis for Base metal and Gold and 500m drilling [5 boreholes with average 100m depth] over the mineralised zone will be carried out. The outcome of exploration will be reviewed after five months.

Dr. L.S. Shekhawat and Dr. Alok Sharma [Nominated EC expert members] suggested to carry out the Au analysis for the carbonaceous shale also.

EC decision:

EC approved the project with an estimated cost of **₹1.48 Crore** and timeline of **12 months**.

(Action: NMET)

7.12 Preliminary exploration (G3) for amalgamated limestone blocks in Jevargi area, Kalaburagi district, Karnataka. (Block area- 20 sq. Km., Estimated Cost ₹2.33 Crore and Scheduled Timeline-12 months) [Implementing agency-KIOCL]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping (1:4,000 Scale), 900m drilling in 20 boreholes (5 boreholes in each block) with average depth of 45m, chemical analysis for 9 radicals (major oxides) and bulk density determination will be carried out.

EC decision:

EC approved the project with an estimated cost of **₹2.33 Crore** and timeline of **12 months**.

(Action: NMET)

7.13 Preliminary exploration (G3) for limestone in Itga block, District: Kalaburagi, Karnataka. (Block Area-10.60 sq.km., Estimated Cost ₹1.25 Crore and Scheduled Timeline-12 months] [Implementing agency-DMG, Karnataka]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping on 1:4,000 scale, chemical analysis, bulk density studies and 450m drilling [10 boreholes with average 45m depth and 5 boreholes in each block] will be carried out.

EC decision:

EC approved the project with an estimated cost of **₹1.25 Crore** and timeline of **12 months**.

(Action: NMET)

7.14 Reconnaissance Survey (G-4) for Ni & PGE prospect block in Limbdi-Meghpar Titoi area, Jamnagar District, Gujarat (Block Area-200 sq.km., Estimated Cost ₹2.63 Crore and Scheduled Timeline-18 months) [Implementing agency- Geovale Services Pvt. Ltd.]

Discussion:

Shri Janardan Prasad, ADG GSI & Chairman, TCC, NMET discussed the technical and financial aspects of project. He informed that geological mapping (1:12,500 scale), channel sampling, magnetic survey (2000 stations), EM Survey (350 soundings) and scout drilling for 300m will be carried out. The review of the work progress will be done after 7 months.

Nominated EC expert members appreciated the proposal and suggested to carry out EM survey only after establishing the morphology of the picritic body. They also informed that the possibility of any positive outcome cannot be assessed at this stage as it is a concept based exploration and will be helpful in further planning of exploration activities if positive results are achieved. They also suggested for carrying out EPMA studies for sulphide mineralization in the area. Dr. B. Sarvanan, Director, AMD appreciated the proposal and opined that it's a promising proposal if any positive results will be achieved.

Dr. S. Raju, DG, GSI expressed that the checks and balances are necessary for reviewing the work by private exploration agencies. Shri Janardan Prasad, ADG, GSI & Chairman, TCC informed the house that State Government have scrutinized the potentiality of the area for REE before submitting the project to NMET for funding. He also informed that checks and balances are built in all the projects reviewed by TCC and the project proposal recommended by TCC for M/s Geovale Services Pvt. Ltd. will be reviewed on completion of the first phase of work after seven months.

EC decision:

EC approved the project with an estimated cost of **₹2.63 Crore** and timeline of **18 months**.

(Action: NMET)

1.1 Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments etc. aimed at enhancing the exploration activities. [DMG, Sikkim]

EC was informed that following equipments have been recommended by the TCC with estimated cost submitted by DMG, Sikkim or restricted to the cost provided by GSI.

S. No.	Item	Qty.	Estimated cost Per unit (Rs.)	Total estimated cost (Rs.)
1	Digital Camera	3	1,20,400	3,61,200
2	Brunton compass	12	10,000	1,20,000
3	Geological Hammer	10	10,000	1,00,000
4	Handheld GPS	10	29,736	2,97,360
5	Handheld XRF	1	30,00,000	30,00,000
6	Pulveriser	1	1,07,380	1,07,380
7	Research Polarising Microscope with software attached camera for Transmitted and Reflected light with accessories	1	12,00,000	12,00,000
8	Hot Plates	1	10,000	10,000
9	Muffle Furnace	1	1,00,000	1,00,000
10	Air Oven	1	18,000	18,000
11	GIS Software	1	14,95,300	14,95,300
12	Drilling machine up to 600 m capacity	1	80,00,000	80,00,000
13	Bits, drill rods, casing, core barrel (for one year requirement for one time)	1	20,00,000	20,00,000
14	Pumps (Pressure /Mud)	1	10,00,000	10,00,000
15	Core Splitter/ Core Splitter Hydrostatic	1	2,00,000	6,00,000
16	DGPS (1 set)	1	16,00,000	16,00,000
17	Total Station	1	6,96,000	6,96,000
Total				**2,07,05,140**

EC decision:

EC approved the project with estimated cost of **₹2.07 Crore** and timeline of **12 months**.

(Action: NMET)

1.2 Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments etc. aimed at enhancing the exploration activities. [DGM, Nagaland]

EC was informed that following equipments have been recommended by the TCC with estimated cost submitted by DGM, Nagaland or restricted to the cost provided by GSI.

S. No.	Item	Qty.	Estimated cost Per unit (Rs.)	Total estimated cost (Rs.)
1	Skid mounted wire line drilling technology with capacity 600 m with HQ rod, 1000 m with NQ rod	1	80,00,000	80,00,000
	HX casings 10*long with coupling	90	10,925	9,83,250
	NX casings 10*long with coupling	200	7,400	14,80,000
	HQ drill rod 3mtr	180	13,650	24,57,000
	NQ drill rod 3mtr	350	9,125	31,93,750
2	Bits, Casings, Barrel (one time requirement)			
	HQ surface core bit 60/80 s.p.c	25	13,875	3,46,875
	HQ surface shoe bit 60/80 s.p.c	25	14,155	3,53,875
	HQ reamer shell 25/40s.p.c	25	11,305	2,82,625
	NQ surface core bit 60/80 s.p.c	25	12,255	3,06,375
	NQ surface shoe bit 60/80 s.p.c	25	11,685	2,92,125
	NQ reamer shell 25/40 s.p.c	25	10,545	2,63,625
	HQ barrel 3 m	15	69,600	10,44,000
	NQ barrel 3 m	15	55,200	8,28,000
	Clamp for HX, NX casings	4	7,125	28,500
3	Core splitter hydrostatic	1	2,00,000	2,00,000
4	DGPS (1 set)	1	16,00,000	16,00,000
5	Total Station	1	6,96,000	6,96,000
6	Pulveriser	1	40,00,000	40,00,000
7	Research Polarising Microscope with software attached camera for Transmitted and Reflected light with accessories	1	12,00,000	12,00,000
8	Muffle furnace	1	1,00,000	1,00,000
9	WD-XRF	1	2,00,00,000	2,00,00,000
10	Press Pellet Machine	1	3,90,000	3,90,000
Total				**4,80,46,000**

EC decision:

EC approved the project with estimated cost of **₹4.81 Crore (₹2.77 Crore + ₹2.04 Crore)** and timeline of **12 months**.

(Action: NMET)

1.3 Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities. [DGM, Arunachal Pradesh]

EC was informed that following equipments have been recommended by the TCC with estimated cost submitted by DGM, Arunachal Pradesh or restricted to the cost provided by GSI.

S. No.	Name of Item	Qty.	Estimated cost of Per unit (Rs.)	Total Estimated cost (Rs.)
1	GIS Software	5	13,00,000	65,00,000.00
2	DGPS	1	16,00,000	16,00,000.00
Total				**81,00,000.00**

EC decision:

EC approved the project with estimated cost of **₹0.81 Crore** and timeline of **12 months**.

(Action: NMET)

1.4 Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments etc. aimed at enhancing the exploration activities. [DGM, UT of Ladakh]

EC was informed that following equipments have been recommended by the TCC with estimated cost submitted by DGM, UT of Ladakh or restricted to the cost provided by GSI.

S. No.	Item	Qty.	Estimated Cost per unit ₹	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
4	GIS Software	1	13,00,000	13,00,000
5	DGPS	1	16,00,000	16,00,000
6	Total Station	1	6,96,000	6,96,000
Total				**2,05,96,000**

EC decision:

EC approved the project with estimated cost of **₹2.06 Crore** and timeline of **12 months**.

(Action: NMET)

1.5 Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments etc. aimed at enhancing the exploration activities. [DGM, Uttar Pradesh]

EC was informed that following equipment's have been recommended by the TCC with estimated cost submitted by DGM, Uttar Pradesh or restricted to the cost provided by GSI.

Sl. No.	Item	Qty.	Estimated cost Per unit (Rs.)	Total estimated cost (Rs.)
1.	Resistivity Meter	1	40,20,000	40,20,000
2.	Handheld XRF	1	30,00,000	30,00,000
3	Hand held GPS	5	95,000	4,75,000
4	Core Splitter	1	2,00,000	2,00,000
Total				76,95,000

EC decision:

EC approved the project with estimated cost of **₹0.77 Crore (₹0.07 Crore + ₹0.70 Crore)** and timeline of **12 months**.

(Action: NMET)

1.6 Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments etc. aimed at enhancing the exploration activities. [DGM, Chhattisgarh]

EC was informed that following equipment's have been recommended by the TCC with estimated cost submitted by DGM, Chhattisgarh or restricted to the cost provided by GSI.

S. No.	Item	Qty.	Estimated Cost per unit (Rs.)	Total estimated cost (Rs.)
1	Digital Camera	2	1,00,000	2,00,000
2	Brunton Compass	10	10,000	1,00,000
3	Geologist Hammer	10	10,000	1,00,000
4	Hand held GPS	5	30,000	1,50,000
5	UV Lamp	1	2,000	2,000
6	Handheld XRF	1	30,00,000	30,00,000

7	Rock Cutting, Polishing and mounting Unit	1	3,50,000	3,50,000
8	Pulverizer (From 50mm size to 1 micron)	2	40,00,000	80,00,000
9	WD-XRF	1	2,00,00,000	2,00,00,000
10	Fusion bead machine	1	20,00,000	20,00,000
11	Press pellet machine	1	3,90,000	3,90,000
12	Hot plates	2	10,000	20,000
13	Muffle Furnace	1	1,00,000	1,00,000
14	Air Oven	1	55,000	55,000
15	Surfer	2	2,30,000	4,60,000
16	Drilling Machine up to 600 m capacity [Rocdril RD 60 Model]	1	66,00,000	66,00,000
17	Hydrostatic skid mounted drill machine with 300 m capacity [Rocdril RD 30 Model]	1	56,00,000	56,00,000
18	Core Splitter/core splitter hydrostatic	2	2,00,000	4,00,000
19	Total Station	1	3,00,000	3,00,000
Total				**4,78,27,000**

EC decision:

EC approved the project with estimated cost of **₹4.78 Crore** and timeline of **12 months**.

(Action: NMET)

1.7 Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments etc. aimed at enhancing the exploration activities. [DGM, Tamil Nadu]

EC was informed that following equipment's have been recommended by the TCC with estimated cost submitted by DMG, Tamil Nadu or restricted to the cost provided by GSI.

S. No.	Item	Qty.	Estimated Cost per unit (Rs.)	Total estimated cost (Rs.)
1	Digital Camera	5	16,756	83,780
2	Brunton Compass	10	5,605	56,050
3	Geologists Hammer	10	1,888	18,880
4	Handheld GPS	20	29,439	5,88,780
5	UV Lamp	5	5,000	25,000

6	Handheld XRF	1	25,78,300	25,78,300
7	Scintilometer	1	6,00,000	6,00,000
8	Rock cutting, polishing and mounting unit	1	3,54,000	3,54,000
9	Pulverizer	1	28,61,500	28,61,500
10	Stereo zoom microscope	1	2,36,000	2,36,000
11	Polarizing microscope	1	20,01,717	20,01,717
12	WD X-Ray Fluorescence Spectrometer (WD-XRF)	1	1,80,00,000	1,80,00,000
13	Muffle furnace	1	1,00,000	1,00,000
14	Hot plates	1	10,000	10,000
15	Air oven	1	25,000	25,000
16	Bomb Calorimeter	1	1,25,000	1,25,000
17	GIS Software (ArcGIS per year)	1	1,18,000	1,18,000
18	Hydrostatic truck mounted drill machine with 600m to 1000m capacity	1	80,00,000	80,00,000
19	Bits, drill rods, casing, core barrel (for one year requirement for one time)	(for one year requirement for one time)	80,00,000	80,00,000
20	Pumps (pressure/mud)	1	15,00,000	15,00,000
21	Core splitter/core splitter hydrostatic	1	2,00,000	2,00,000
22	DGPS	2	16,00,000	32,00,000
23	Total Station	2	5,88,348	11,76,696
24	Borehole Camera	1	50,000	50,000
Total				**4,99,08,703**

Discussion: Additional Chief Secretary, Tamil Nadu stated that GEOVIA SURPAC software was proposed by the State Government but was not sanctioned. Chairman, TCC informed that the item is not included in the list of approved items of NMET. However, the list will be reviewed by TCC and once included, the item will be sanctioned.

EC decision:

EC approved the project with estimated cost of **₹4.99 Crore** and timeline of **12 months**.

(Action: NMET)

1.8 Financial assistance from NMET funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities. [DMG, Jharkhand]

EC was informed that following equipment's have been recommended by the TCC with estimated cost submitted by DMG, Jharkhand or restricted to the cost provided by GSI.

S. No.	Item	Qty.	Estimated Cost per unit (Rs.)	Total estimated cost (Rs.)
1	Digital Camera	10	90,000	9,00,000
2	Brunton Compass	20	10,000	2,00,000
3	Geological Hammer	20	10,000	2,00,000
4	Hand held GPS	20	95,000	19,00,000
5	Hydraulic Core Splitter	1	2,00,000	2,00,000
6	Vibratory Cup Mill with accessories	1	6,00,000	6,00,000
7	ICP- MS	1	2,00,00,000	2,00,00,000
8	XRF	1	1,60,00,000	1,60,00,000
9	Fusion Bead Machine	1	20,00,000	20,00,000
10	Press Palette machine	1	3,90,000	3,90,000
11	Grinding and Polishing Machine and mounting unit	1	70,00,000	70,00,000
12	Transmitted and Reflected light research Microscope with software attached camera	1	12,00,000	12,00,000
13	Proximate Analyzer (TGA)	1	22,00,000	22,00,000
Total amount				**5,27,90,000**

EC decision:

EC approved the project with estimated cost of **₹5.28 Crore** and timeline of **12 months**.

(Action: NMET)

8. Extension of timeline in respect of Blocks-6 and 8 of Multi-Sensor Aero-geophysical Surveys over Obvious Geological Potential areas of India. [Implementing Agency: GSI]

EC was informed that TCC committee in its 50th meeting held on 2nd & 3rd March, 2023 recommended timeline extension of 12 months in respect of Block - 6 and time extension of 11 months of Block - 8 of Multi-Sensor Aero-geophysical Surveys over Obvious Geological Potential areas of India without any cost escalation for approval of EC.

Decision of EC:

EC approved the timeline extension for Blocks - 6 & 8 of Multi-Sensor Aero-geophysical Surveys over OGP areas up to 31.03.2024, without any cost escalation.

(Action: NMET)

9. Extension of project contract of TS-QC of heliborne geophysical survey without any cost revision. [Implementing Agency: GSI]

EC was informed that TCC committee in its 50th meeting held on 2nd & 3rd March, 2023 recommended change in heliborne geophysical survey area from 50,000 LKM to 24,595 LKM and extension of timeline for 18 months without any cost escalation.

Decision of EC:

EC approved the timeline extension for project up to May, 2024 without any cost escalation.

(Action: NMET)

Discussion (additional points):

1. Chairman, EC directed Dr. S. Raju, Director General, GSI to make a presentation for EC members on baseline surveys, geophysical survey carried out by GSI and their outcome. He also asked to present the spin off items carried out by GSI from the baseline data and the items that have been upgraded to G3 level from G4 level of mineral exploration.
2. Chairman, EC also asked CMD, MECL to present the status of completed projects by MECL from NMET funding and their outcome.

Meeting ended with vote of thanks to the chairman and the members of the EC.

Annexure-1

List of participants in 28th EC Meeting held on 16th March, 2023 at Khanij Kaksh, Ministry of Mines, New Delhi

S. No.	Name & Designation	Organization/email	Remarks
1.	Shri Vivek Bharadwaj, IAS Secretary	Ministry of Mines secy_mines@nic.in	Chairperson
2.	Shri Sanjay Lohiya, IAS Additional Secretary, Mines & CG, IBM	Ministry of Mines sanjay.lohiya@gov.in	Member Secretary, *Ex officio*
3.	Dr. S. Raju, Director General	Geological Survey of India dg.gsi@gov.in	Member, *Ex officio*
4.	Ms. Nirupama Kotru, Joint Secretary and Financial Advisor	Ministry of Coal and Mines	Member, *Ex officio*
5.	Shri B. Saravanan, Director Atomic Minerals Directorate fo r Exploration and Research	AMD, Dept. of Atomic Energy, director.amd@gov.in	Representativ e of Dept. of Atomic Energy
6.	Shri Anandji Prasad, Advisor (P)	Ministry of Coal	Representativ e of Ministry of Coal
7.	Shri R. K. Kureel, Director	Ministry of Petroleum and Natural Gas rk.kureel@nic.in	Representativ e of Ministry of Petroleum and Natural Gas
8.	Shri Nikunj Shrivastava, IAS Principal Secretary, Mineral Resource Department, GoMP	Mineral Resource Department, Government of Madhya Pradesh	Member
9.	Shri S. Krishnan, IAS Additional Chief Secretary, Industries, Investment Promotion & Commerce Department, Chennai	Industries, Investment Promotion and Commerce Dept., Government of Tamil Nadu; geomines@nic.in	Member
10.	Shri Alok Sharma, GM & HoD (Exploration) (Retd), CMPDIL	Exploration Expert, aloksharma360@gmail.c om	Nominated Member

11.	Shri Naresh Nautiyal, Head (Retd.), MECL	Exploration Expert, nautiyal.naresh5@gmail.com	Nominated Member
12.	Dr. L. S. Shekhawat, DDG (Retd.)	Exploration Expert, shekhawatls57@gmail.com	Nominated Member
13.	Dr. Yamuna Singh, (Retd.), Scientist-H, AMD	Exploration Expert, yamunasingh1957@gmail.com	Nominated Member
14.	Dr. Sahendra Singh Associate Professor	Exploration Expert, sahendra@iitism.ac.in	Nominated Member
15.	Shri Janardan Prasad, Addl. Director General & Chairman, TCC	Geological Survey of India janardan.prasad@gsi.gov.in	Invitee
16.	Shri Vivek Kumar Sharma, Director	Ministry of Mines vksharma.ofb@gov.in	HoD, NMET

Annexure-2

The details of the projects approved in 28th EC meeting held on 16th March, 2023

A. **Mineral Exploration Projects**

S. No.	Project/Block Name	Commodity	Stage	Duration (Months)	Approved Cost (₹ Cr. Including GST)
Implementing Agency: CMPDI					
1	Reconnaissance Survey (G4 Stage) for Coal in Khapia Block, North Karanpura Coalfield District Harzaribagh Jharkhand (Block Area 19.10 sq km)	Coal	G4	12	1.61
				Total	**1.61**
Implementing Agency: MECL					
2	Preliminary exploration (G3) for Potash in Lakhasar East block, Lakhasar-Sub Basin, North Western Part of Rajasthan, District: Bikaner, Rajasthan. (Block Area 7.16 sq. km)	Potash	G3	18	15.51
3	Preliminary exploration (G3) for limestone in Kiranagi-1 and Kiranagi-2 block Bhima Basin, District: Gulbarga, Karnataka. (Block Area 11.41 sq. km)	Limestone	G3	10	1.28
4	Reconnaissance survey (G4) for Polymetals (Cu, Au, Ag) in Miregaon block Districts: Bhandara and Gondiya, Maharashtra. (Block Area 40.769 sq. km)	Polymetals (Cu, Au, Ag)	G4	12	1.10
5	Reconnaissance Survey (G-4 Stage) for REE and Rare Metals (RM) mineralization in Khairlanji Block, Part of Districts: Balaghat & Seoni, State –Madhya Pradesh. (Block Area 123.04 sq. km)	REE & RM	G4	12	0.69

6	Reconnaissance Survey (G-4) for REE in Rudrawathi Block, District-Tiruppur, Tamil Nadu. (Block Area 126 sq. km)	REE	G4	12	0.72
7	Reconnaissance Survey (G-4) for REE in Sarnu Block, Barmer District, Rajasthan. (Block Area 118.10 sq. km)	REE	G4	12	0.70
8	Reconnaissance survey (G4) for Iron, Manganese and associated minerals in Salaiya, Districts: Jabalpur, Katni & Umaria, State: Madhya Pradesh. (Block Area- 110.56 sq. km)	Iron, Manganese and associated minerals	G4	12	0.50
9	Preliminary Exploration for Limestone In Naddisinur-1 and 2 Blocks, Bhima basin District- Gulbarga (Kalaburagi) , Karnataka	Limestone	G3	10	1.38
				Total	**23.35**
Implementing Agency: KIOCL					
10	Reconnaissance Survey (G-4) for polymetalic mineralization (Au,Cu,Ni,Co) in Dharwar Shimoga Schist Belt of Nagavanda area Dhavangere, Haveri and Shimoga District, Karnataka (Block area- 63.62 sq. km)	Polymetalic mineralization (Au,Cu,Ni,Co)	G4	12	1.48
11	Preliminary exploration (G3) for amalgamated limestone blocks in Jevargi area, Kalaburagi district, Karnataka. (Block area- 20 sq. km)	Limestone	G3	12	2.33
				Total	**3.81**
Implementing Agency: DGM Karnataka					
12	Preliminary exploration (G3) for limestone in Itga blocks, District: Kalaburagi, Karnataka. (Block area-10.60 sq. km)	Limestone	G3	12	1.25
				Total	**1.25**

Implementing Agency: (NPEA: Geovale Services Pvt. Ltd.)					
13	Reconnaissance Survey (G-4) for Ni & PGE prospect block in Limbdi-Meghpar Titoi area, Jamnagar District, Gujarat (Block area- 200 sq. km)	Ni & PGE	G4	18	2.63
				Total	**2.63**
				Sub Total A	**31.18**

B. **Financial Assistance Projects**

S. No.	Proposal Details	Timeline	Approved Cost (₹ Cr. Including GST)
Implementing Agency: DGM, Sikkim			
14	Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.	12	2.07
Implementing Agency: DGM, Nagaland			
15	Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.	12	2.77
	Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.	12	2.04
Implementing Agency: DGM, Arunachal Pradesh			
16	Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.	12	0.81
Implementing Agency: DGM, Ladakh			
17	Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.	12	2.06
Implementing Agency: DGM, Uttar Pradesh			

18	Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.	12	0.07
	Financial assistance from NMET funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.	12	0.70
Implementing Agency: DGM, Chhattisgarh			
19	Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.	12	4.78
Implementing Agency: DGM, Tamil Nadu			
20	Financial assistance from NMET funds to procure machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities.	12	4.99
Implementing Agency: DMG, Jharkhand			
21	Financial assistance from NMET funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities	12	5.28
		Sub Total B	**25.57**

* The projects at Sl. No. 14 to 16 submitted by north-eastern states are approved in reference with NMET letter no. **File No. 6/9/2015-NMET/237 dt. 25th November, 2022** wherein the North-Eastern states will be provided financial assistance up to ₹ 5.0 Crore.

* The projects at Sl. No. 17 to 21 submitted by states are approved in reference with NMET letter no. **File No. 6/9/2015-NMET/71 dt. 8th June, 2022 and File No. 6/9/2015-NMET/340 dt. 9th February, 2023** regarding financial assistance will be provided to states for infrastructure strengthening of DGMs/DMGs for enhancing the exploration activities.