

Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 24th meeting of Technical-cum-Cost Committee - II (TCC - II)
held on 2nd and 3rd March 2026

The 24th meeting of Technical-cum-Cost Committee-II (TCC-II) of National Mineral Exploration and Development Trust (NMEDT) was convened through video conferencing under the Chairmanship of Shri Pradeep Singh, Deputy Director General (DDG), Geological Survey of India (GSI) and Chairman, TCC-II, NMEDT held on 2nd and 3rd March 2026.

Members of TCC-II, NMEDT and representatives from M/s Maheshwari Mining Private Limited (MMPL), M/s GEMS Project Private Limited, M/s Gemcokati Exploration Private Limited, M/s Ocean Drilling and Exploration Private Limited, M/s BMRC Geomining Solutions Private Limited, FCI Aravali Gypsum and Minerals India Limited (FAGMIL), M/s Critical mineral trackers (CMT), M/s. GeoExpOre Private Limited, M/s Engeotech Consultant, Mineral Exploration and Consultancy Limited (MECL), M/s Geovale Services Private Limited, M/s Eartnenviro Lab Private Limited, M/s S and S Geological Consultants, M/s Vibrant Techno Lab Private Limited, M/s Enkay Enviro Services Private Limited, M/s GMMCO Technology Services Limited, DGM Maharashtra, DGM Madhya Pradesh etc. have attended the meeting through video conferencing mode. The list of participants is at **Annexure-1**.

Shri Pradeep Singh, DDG, GSI and Chairman, TCC-II, NMEDT warmly welcomed all TCC-II members and every participant representing from State DGMs/DMGs, Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs).

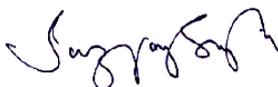
Shri Pradeep Singh further informed that in the past few meetings of TCC-II, it has been observed that certain projects are being recommended for pre-closure due to insignificant values of the targeted commodity in the area and/or other constraints. In such cases, where the sample values are not encouraging or the work cannot proceed further due to law-and-order issues, forest-related constraints etc., the concerned agencies must promptly approach TCC-II for a review, so that a timely decision for foreclosure of the project could be taken up to reduce unnecessary expenditure. He further stated that in any instance where there is a change in the quantum of work, either proposed by the agency or recommended by TCC-II, prior approval of the revised quantum of work along with a revised cost sheet must be presented before the TCC to obtain approval from the Project Sanctioning Committee (PSC) before commencement of revised quantum of work. Additionally, in case of proposals related to limestone, an endorsement from the State Government is required.

24.1 Technical Evaluation of New Project Proposals

Agenda 24.1.1 General Exploration (G2) for REE and Base metal in Lodoso East, Papumpare district, Arunachal Pradesh.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed area of 1.05 sq. km agency falls in the survey of India toposheet No. 83E/08 and lies within the Papum Pare district of Arunachal Pradesh.



b) The table containing the comments is given below

| S.N. | Agency | Comment |
|------|--------|---|
| 1 | GSI | Currently no exploration / reconnaissance project related to copper & associated mineralisation is being carried out by GSI in the NMET proposed block. The proposed NMET block corresponds to the G3 Lodoso East block of FS 2019-21, GSI. |
| 2 | DMG | No comments available. |
| 3 | AMD | There is no ongoing exploration/reconnaissance project. |
| 4 | MECL | No comments available. |
| 5 | NMEDT | There is no overlapping with NMEDT funded block in the proposed area. |

- c) The agency referred the GSI report of G3 exploration for REE and basemetal in Lodoso East Block FS-2019-21. During this FS, Verma and Mishra carried out G3 stage investigation involving subsurface drilling in Lodoso East Block and delineated a REE mineralized zone with 1000m strike length and 40m to 50m outcrop thickness. The mineralised zone is confined within Garnetiferous- quartz-biotite schist of Khetabari Formation. The estimated G3 stage resource is 2.15million tonnes with average grade of 1.08% Σ REE at 0.2% Σ TREE cutoff. Apart from REE's encouraging values, analytical result of copper for 50 nos. of samples yielded values ranging from 10ppm - 2790ppm from Khetabari Formation and granite gneiss of Ziro Group of rocks. Au value of 280ppb (Max.) from oxidised zone also yielded from spot sample. Subsurface continuity of the mineralized zone has been accessed by drilling. A total of 283.10m drilling in 3 boreholes viz., ARPL-01A (105.10m), ARPL-02 (81.50m) and ARPL-03 (51.50m) have been executed. Based on the above-mentioned facts, the agency proposed the upgradation of the project to the G-2 stage of exploration.
- d) The committee observed that, in the previous G3 stage of exploration the length and thickness of the mineralized zone has not been established along the strike. Although the mapping has already been done on G3 scale, the committee opined that a G3 exploration may be carried out again for proper estimation of the resource and to establish subsurface continuity of the mineralized zone.
- e) The TCC-II advised G3 stage of exploration in the proposed block. Accordingly, the agency needs to prepare the proposal for preliminary exploration (G3).

Recommendation TCC-II

The committee deferred the review of the proposal to the next TCC meeting and advised that, instead of conducting a G2 exploration, a G3 level exploration proposal should be prepared to enable proper resource estimation and to establish the subsurface continuity of the mineralized zone, since the previous G3 stage of exploration did not establish the strike length and thickness of the mineralized zone.

Agenda 24.1.2 Reconnaissance survey (G4) of Vanadium, Scandium and associated minerals hosted in aluminous laterite in Nivali area Ratnagiri district, Maharashtra.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a. The proposed area of 118.4 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet Nos. 47G/8 & 47G/12 and lies within parts of Ratnagiri district, Maharashtra.
- b. The table containing the comments is given below

| S.N. | Agency | Comment |
|------|--------|--|
| 1 | GSI | One M-II (RP) item titled "Regional assessment of Vanadium and associated critical / trace element in lateritic profiles developed over the Deccan Trap basalts in parts of Ratnagiri and Raigad districts, Maharashtra", FS: 2024-25 & 2025-26 is under execution and the block lies in the southern side of the block. |
| 2 | DMG | No comments available |
| 4 | MECL | No comments available |
| 5 | NMEDT | There is no overlapping with NMEDT funded block in the proposed area. |

- c. MMPL informed that they have visited the proposed area and collected some Bed Rock Samples (BRS), which yielded values ranging from 728-840 ppm for V, 42-51 ppm for Ga, 18-44 ppm for Sc, 2.5-3.1% for TiO₂, and 25-49% for Al₂O₃. Further, GSI have carried out an RP item in the area in FS 2024-25, during which certain zones were identified as potential targets for further exploration.
- d. The committee observed that based on the outcome of GSI's report titled "Report on regional assessment of lateritic profiles developed over the western Dharwar sequences and Deccan traps in parts of Sindhudurg, Ratnagiri and Kolhapur districts, Maharashtra, FS 2023-24", 16 blocks were demarcated/delineated for FS 2024-25, FS 2025-26 and FS 2026-27 for further exploration work. The proposed area lies at the upper fringe of these blocks. The committee, on request of agency provided the mentioned report for reference.
- e. The TCC-II evaluated the cost sheet of the proposal and recommended the same for approval by the PSC.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for "Reconnaissance survey (G4) of Vanadium, Scandium and associated minerals hosted in aluminous laterite in Nivali area Ratnagiri district, Maharashtra" with an estimated cost of ₹117.77 Lakh (including GST) within the time schedule of 10 months and submission of the report as per Annexures 2A & 2B. The item will be reviewed after 4 months & 8 months.

**Estimated cost for Reconnaissance survey (G4) of Vanadium, Scandium and associated minerals hosted in aluminous laterite in Nivali area Ratnagiri district, Maharashtra.
Area-118 sq. km , Drilling: 225m (15BH With 15m depth), (Completion Time : 10 months, Review: After 4 months & 8 months)
Agency : M/s Maheshwari Mining Private Limited**

| Sl no. | Item of Work | Unit | SoC- Item Sl. No | Rates as per new SoC | Qty. | Total amount (in ₹) | Remarks |
|----------|--|--------------------------|------------------|----------------------|------|---------------------|---|
| A | Geological Mapping Other Geological Work | | | | | | |
| 1 | Large scale (LSM 1:12500) Geological mapping/Trenching. | Sq. Km | 1.1 | 18300 | 118 | 2159400 | |
| 1.1 | Geologist man days | days | 1.2.1b | 14500 | 100 | 1450000 | |
| 1.2 | Labour (field) for (Total 4 Nos i.e. 2 workers per one geologist) | per worker | 5.8 | 541 | 200 | 108200 | |
| 1.3 | Geologist Man Days (HQ) | Per day | 1.2.1a | 10500 | 60 | 630000 | |
| | Sub Total A | | | | | 4347600 | |
| B | Survey Work | | | | | | |
| | DGPS Survey for BH fixation & RL determination | Per Point of observation | 1.3.2 | 24000 | 19 | 456000 | 4 boundary points and 15 BH points |
| | Sub Total B | | | | | 456000 | |
| c | Pitting work | | | | | | |
| 1.4 | Pitting work | cum | 2.1.2 | 4725 | 100 | 472500 | |
| | Sub Total C | | | | | 472500 | |
| D | DRILLING | | | | | | |
| 1 | Drilling up to 250m (soft rock) | m | 2.2.1.1c | 5,500 | 225 | 1237500 | 15m x15 nos |
| 2 | Land / Crop Compensation (in case the BH falls in agricultural Land) | per BH | 5.6 | 30000 | 15 | 450000 | As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole |

| | | | | | | | |
|----------|---|----------------------|----------------|-------|-----|----------------|---|
| 3 | Construction of concrete Pillar (12"x12"x30") | per borehole | 2.2.7 | 2000 | 15 | 30000 | |
| 4 | Borehole plugging by cement | Lum sum per borehole | 2.2.8 | 10000 | 15 | 150000 | |
| 5 | Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach Road and Drill core preservation) | Drilling cost | 2.2.9 | 0.25 | | 309375 | 1. For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost |
| 10a | Charges for one Sampler per day (1 Party) | one sampler per day | 1.2.1b | 7850 | 44 | 345400 | |
| 10b | Charges for Labours | day | 5.8 | 541 | 176 | 95216 | Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher. |
| | | | Total D | | | 2617491 | |
| E | Laboratory Studies | | | | | | |
| 1 | Chemical Analysis | | | | | | |
| i) | Geochemical samples | | | | | | |
| | a. Major oxides (WD XRF)- (oxides+ traces -24 elements) | Per sample | 4.1.17a | 4200 | 300 | 1260000 | PS:100; BRS:50; CS:150 |
| | External Check (10%) | Per sample | 4.1.17a | 4200 | 30 | 126000 | |
| | b. Analysis of Minor, Trace RM and REE elements by ICPMS | Per sample | 4.1.15 | 7400 | 20 | 148000 | |
| | External Check (10%) | Per sample | 4.1.15 | 7400 | 2 | 14800 | |
| ii | Physical and Petrological studies | | | | | | |
| iii | Preparation of thin section | Per sample | 4.3.1 | 500 | 10 | 5000 | |
| iv | Study of thin section | Per sample | 4.3.4 | 2800 | 10 | 28000 | |
| vi | Preparation of polish section | Per sample | 4.3.3 | 700 | 10 | 7000 | |
| | Study of polish section | Per sample | 4.3.4 | 2800 | 10 | 28000 | |




| | | | | | | | |
|--------------|--|----------|--------------------|---------------------------------|--|-----------------|--|
| | | | Sub Total E | | | 1616800 | |
| | Total A-E | | | | | 9510391 | |
| F | Preparation of Exploration Proposal | One time | 5.1 | 2% of approved cost of proposal | | 1,90,208 | |
| G | Peer review Charges | | As per EC decision | | | 30000 | |
| G | Geological Report Preparation | One time | 5.2 | | | 250000 | |
| H | Total estimate Cost Without GST | | | | | 9980599 | |
| I | 18 %GST | | | | | 1796508 | |
| | Total cost with GST(Rupees) | | | | | 11777107 | |
| | or Say Rs. In Lakhs | | | | | 117.77 | |
| Note: | | | | | | | |
| 1 | Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21. | | | | | | |
| 2 | In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement. | | | | | | |
| 3 | If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In | | | | | | |
| 4 | Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities. | | | | | | |
| 5 | Any item of work not mentioned above shall be added as per SoC. | | | | | | |
| 6 | All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency. | | | | | | |




Annexure-2B

Revised Estimated cost for Reconnaissance survey (G4) of Vanadium, Scandium and associated minerals hosted in aluminous laterite in Nivali area Ratnagiri district, Maharashtra.

(Completion Time : 10 months, Review: After 4 months & 8 months) Agency : M/s Maheshwari Mining Private Limited

| Sr No | Particulars | Months | 1 | 2 | 3 | 4 | REVIEW | 5 | 6 | 7 | 8 | REVIEW | 9 | 10 | 11 | 12 | | |
|-------|--|--------|---|---|---|---|--------|---|---|---|---|--------|---|----|----|----|--|--|
| 1 | Camp Mobilization | | | | | | | | | | | | | | | | | |
| 2 | Large Scale Geological Mapping | | | | | | | | | | | | | | | | | |
| 3 | DGPS Survey for BH Fixation and Boundary Point Demarcation | | | | | | | | | | | | | | | | | |
| 4 | Resistivity Survey | | | | | | | | | | | | | | | | | |
| 5 | Pitting | | | | | | | | | | | | | | | | | |
| 6 | Surface samples Geochemical analysis | | | | | | | | | | | | | | | | | |
| 7 | Drilling | | | | | | | | | | | | | | | | | |
| 8 | Core Sample Geochemical analysis | | | | | | | | | | | | | | | | | |
| 9 | Geological Report Writing | | | | | | | | | | | | | | | | | |

Agenda 24.1.3 Reconnaissance survey (G4) for Nickel Chromium, Gold and PGE in Pasubera West, West Singhbhum District, Jharkhand.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed area of 53 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet Nos. 73F/10 & 73F/11 and lies within parts of West Singhbhum District, Jharkhand.
- b) MMPL informed that the DPR was earlier presented in the 12th and 23rd meetings of TCC-II. Further, as per the suggestions of TCC-II, the initially proposed area has now been revised by excluding the portions overlapping with GSI's exploration areas.
- c) The TCC-II advised incorporation of available data from GSI's G4 report of FS 2016-17 of the adjacent area. The committee provided the GSI's G4 report to the agency for reference as requested by the agency.

Recommendation TCC-II

The committee deferred the review of the proposal to the next TCC meeting and advised incorporation of available data from GSI's G4 report of FS 2016-17 of the adjacent area in the DPR.

Agenda 24.1.4 Preliminary Exploration for Limestone (G3) in Patehra block, Maihar District, Madhya Pradesh.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed exploration block, covering an area of 6.86 sq. km, is located on Survey of India Toposheet No. 63D/16 and falls within parts of Maihar District, Madhya Pradesh. This project was discussed in 12th TCC-II and was kept on hold till receipt of DGM comments.
- b) DGM comments showed that the proposed area is overlapping with an existing sanctioned mineral concession (ML) of 8.69 sq. km area for Limestone.
- c) The committee observed that the available area is present in three patched 2.08 sq. km, 0.59 sq. km and 0.48 sq. km area respectively. The committee opined that, all these blocks cannot be auctioned at one time due to segregated areas. These areas may be taken up by state DGM.
- d) In view of the above, the committee did not recommend the project proposal.

Recommendation TCC-II

The committee did not recommend the project proposal as the remaining proposed area after exclusion of the overlapping part with a sanctioned mineral concession are available in three parts which cannot be auctioned at one time due to segregated areas.

Agenda 24.1.5 Preliminary Exploration for Limestone (G3) in Tonga block, Morena District, Madhya Pradesh.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed exploration block, covering an area of 6.49 sq. km, is located on Survey of India Toposheet No. 54F/8 and falls within parts of Morena District, Madhya Pradesh. This project was discussed in 12th TCC-II and was kept on hold for consent from State DGM.

- b) DGM, Madhya Pradesh comments showed that no mining lease or quarry lease for major or minor minerals was found to be operating in the area. DGM representative was present in the meeting. As per the work carried out during 1978–82, the presence of limestone in the area was confirmed. At present, no exploration work is being conducted in the proposed area.
- c) The committee opined that endorsement from the State Government is required for undertaking exploration of commodities such as Limestone.

Recommendation TCC-II

The committee deferred the review of the proposal to the next TCC meeting. The review will be subject to endorsement from the State Government.

Agenda 24.1.6 Preliminary Exploration for Limestone (G3) in Sabalgarh block, Morena District, Madhya Pradesh.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- d) The proposed exploration block, covering an area of 4.50 sq. km, is located on Survey of India Toposheet No. 54F/8 and falls within parts of Morena District, Madhya Pradesh. This project was discussed in 12th TCC-II and was kept on hold for consent from State DGM.
- e) DGM, Madhya Pradesh comments showed that a quarry lease for mineral stone over an area of 2.00 hectares and a quarry lease for mineral soil over an area of 1.00 hectare have been sanctioned in this area. DGM representative was present in the meeting. In addition, as per the works carried out during 1978–82, the presence of limestone in the area has been confirmed. At present, no exploration work is being carried out in the proposed area.
- f) The committee opined that endorsement from the State Government is required for undertaking exploration of commodities such as Limestone.

Recommendation TCC-II

The committee deferred the review of the proposal to the next TCC meeting. The review will be subject to endorsement from the State Government.

Agenda 24.1.7 Reconnaissance Survey (G4) for Bauxite and Associated Minerals in Sokrahatu area (28.53 sq. km) District, Gumla, Jharkhand.

[Implementing Agency: M/s GEMS Project Private Limited]

- a) The proposed area of 28.53 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet No. 73A/8 and lies within parts of Gumla District, Jharkhand.
- b) The table containing the comments is given below

| S.N. | Agency | Comment |
|------|--------|---|
| 1 | GSI | This area has been investigated through G-4 by GSI in 1971-72 for the commodity of bauxite. Within this block of G-4, a G-3 block named as SUKRAHATU-KOENATOLI PLATEAU was explored by GSI in 1971-72 for the commodity of bauxite. Tentative probable reserve of bauxite of all grades has been estimated at 1.45 million tonnes (MT) with about 46% Al ₂ O ₃ up to a depth of 6.00 m. |
| 2 | DMG | No comments available. |

| | | |
|---|-------|--|
| 3 | MECL | No overlapping with the ongoing or completed blocks. |
| 4 | NMEDT | No overlapping with NMEDT funded block in the proposed area. |

- c) As per the comments of GSI, the proposed area overlaps with an area explored by GSI during FS 1971–72. Further, GSI has also carried out G3-level exploration in the potential zone of this area.
- d) In view of the above, the TCC-II opined that since the area has already been explored at G4 and G3 levels, further G4-level exploration cannot be recommended in this area. However, if additional potential zones are established based on available data, supported by delineation of target lithology and encouraging sample analysis results, a G3-level exploration proposal may be considered for review. The committee provided the GSI's G3 report to the agency for reference as requested by the agency.

Recommendation TCC-II

The committee deferred the review of the proposal to the next TCC meeting since the area had already been explored at G4 and G3 stage. The committee suggested preparation of a new G3 proposal, if, the additional potential zones are established based on available data, supported by delineation of target lithology and encouraging sample analysis results.

Agenda 24.1.8 Reconnaissance Survey (G4) for targeting possible KCR bodies in and around previously known reported site of Chrome Diopside and associated KIM's in Sunwaha Block (95 sq. Km.) in parts of Chhatarpur District of Madhya Pradesh.

[Implementing Agency: M/s Gemcokati Exploration Private Limited]

- a) The proposed area of 95 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet No. 54P/4 and lies within parts of Chhatarpur District, Madhya Pradesh. The agenda was discussed in 85th TCC-I where committee suggested to seek comments from NMDC and MPSMC for any overlapping and ongoing exploration being taken up in the proposed block.
- b) The committee observed that the comments of NMDC shows that around 88 sq. km. of the proposed area by M/s Gemcokati is overlapping with the area of Damoh Block (1932 Sq. Km), which was previously explored by NMDC Limited under Tripartite MoU with Government of Madhya Pradesh and Madhya Pradesh State Mining Corporation Limited for Diamond exploration during the period of 2017 to 2024. NMDC has submitted the Geological Report of Damoh Block Area to Government of Madhya Pradesh in March 2024.
- c) In view of the comments of NMDC that approximately 88 sq. km of the proposed area overlaps with NMDC's already explored area, the TCC-II did not agree to recommend the proposal.

Recommendation TCC

The committee did not recommend the proposal as approximately 88 sq. km of the proposed area overlaps with NMDC's already explored area under Tripartite MoU of NMDC with Government of Madhya Pradesh and Madhya Pradesh State Mining Corporation Limited for Diamond exploration during the period of 2017 to 2024.

Agenda 24.1.9 Reconnaissance survey for Vanadium, Graphite, Barium and associated mineral in Chamdewal-Madlak block, Champawat, Uttarakhand. (51 Sq. Km.).

[Implementing Agency: M/s Ocean Drilling and Exploration Private Limited]

- a) The proposed area of 51 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet No. 62C/3 and 62C/7 and lies within parts of Champawat District, Uttarakhand. This project was discussed in 15th TCC-II meeting where it was deferred until the agency's recruitment of additional qualified personnel.

The table containing the comments is given below

| S.N. | Agency | Comment |
|------|--------|--|
| 1 | GSI | Area is not overlapping with the proposed block. |
| 2 | DMG | No comments available. |
| 3 | MECL | No overlapping with the ongoing or completed blocks. |
| 4 | NMEDT | No overlapping with NMEDT funded block in the proposed area. |

- b) The agency informed the committee, that, they have updated their manpower with 10 Geologists. They further informed that GSI have carried out NGCM work in this area during FS 2020–21. Subsequently, G4-level exploration was undertaken in FS 2022–23, which recorded values of V up to 5212 ppm, Ba up to 40,518 ppm, and Fixed Carbon (FC) up to 7.06%. Additionally, G3-stage exploration has also been conducted in the adjacent area in FS 2024-25. Geochemical analyses demonstrate marked enrichment of vanadium and barium. Bedrock samples yielded vanadium concentrations of 10–2842 ppm (mean 537 ppm) and barium values of 82–7821 ppm (mean 2014 ppm), while channel samples indicate comparatively higher enrichment, with vanadium ranging from 93–4260 ppm (mean 993 ppm) and barium from 410–28,529 ppm (mean 4733 ppm). The combined median concentrations of vanadium (336 ppm) and barium (1856 ppm) highlight a moderate to high degree of enrichment within the carbonaceous phyllite horizons.
- c) The agency informed the committee that they have also collected 19 samples from the proposed area, for which the analytical results are awaited.
- d) In view of the above the TCC-II advised the agency to incorporate the findings of GSI's G3 of FS 2024-25 in DPR. The committee provided the GSI's G3 report to the agency for reference as requested by the agency. The committee agreed to the proposal in principle and advised that the DPR be revised to incorporate the analytical results of the collected 19 nos. of samples, along with all available data from previous reports of the adjacent area.

Recommendation TCC

The committee accorded in-principle approval and advised that the DPR should be revised and resubmitted for review after incorporating analytical results of the collected 19 nos. of samples, along with all available data from previous reports of the adjacent area.

Agenda 24.1.10 Reconnaissance survey (G4) for RM and Associated REE Mineralization in the Holenarasipur block, Hassan and Mandya Districts, Karnataka.

[Implementing Agency: M/s BMRC Geomining Solutions Private Limited]

- a) The proposed area of 97 sq. km for reconnaissance survey (G4), falls in Survey of India Toposheet No. 57D/5 and 57D/6 and lies within parts of Hassan and Mandya Districts, Karnataka. This project was discussed in 21st TCC-II meeting where it was deferred due to overlapping areas with RMT project of 2025–26, as well as a planned G-4 stage exploration for critical minerals in the Arehalli area during 2025–26.
- b) As per the comments received from GSI, there is an overlap of the proposed area with the GSI's G4 stage exploration block for FS 2013-14 and ongoing G-4 stage exploration for critical minerals in the Arehalli area 2025-26.
- c) In view of the above the TCC-II did not recommend the proposal.

Recommendation TCC

The committee did not recommend the proposal due to overlap of the proposed area with an ongoing G4 stage exploration project for critical minerals in the Arehalli area of FS 2025-26.

24.2 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 24.2.1 Reconnaissance Survey (G4) for mineral-Rock Phosphate in Randha, Jaisalmer district, Rajasthan.

[Implementing Agency: FCI Aravali Gypsum and Minerals India Limited (FAGMIL)]

- a) The project was recommended in 65nd TCC meeting held on 28th, 30th & 31st May, 2024 and was approved in 36th EC meeting held on 29th July 2024. The sanction order was issued on 13th September 2024 with timeline of 12 months up to 12th September 2025 with approved cost of ₹1,37,44,269/-. The project was reviewed in 7th meeting of TCC-II held on 24th and 25th March 2025 and 13th meeting of TCC-II held on 22nd, 23rd & 24th September 2025. During the review in 13th meeting of TCC-II, the committee recommended timeline extension of 4 months up to 13th January 2026 for final GR submission which was approved by 2nd PSC held on 4th November 2025. The project was again reviewed in 22nd TCC-II meeting held on 4th and 5th February 2026.
- b) During the review in 22nd TCC-II, the agency informed that the final geological report has been peer reviewed. However, there is a delay due to suggestion of peer reviewer for re-analysis of 20 samples. Subsequently the TCC-II recommended timeline extension for 1 month up to 15th February 2026.
- c) During the 6th PSC meeting held on 2nd March 2026, NMEDT brought to notice that the peer review of the final Geological Report (GR) had not been carried out in accordance with the guidelines of NMEDT. Therefore, the peer review of the GR needs to be conducted. Additionally, re-analysis of 20 samples was not agreed to.
- d) In view of the above facts, the TCC-II opined that the peer review of the GR needs to be conducted as per the guidelines of NMEDT. So, the committee recommended

timeline extension of 3 months up to 15th April 2026 for Peer Review and submission of the final geological report.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for "Timeline extension of 3 months up to 15th April 2026 for submission of final geological report".

Agenda 24.2.2 Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Nadapa area Kachchh District, Gujarat.

[Implementing Agency: M/s Critical mineral trackers (CMT)]

- a) The project was recommended in 4th meeting of TCC-II held on 26th and 27th December, 2024 and approved in the 39th EC Meeting held on 24th January 2025. The Sanction Order was issued on 10th February 2025 for scheduled timeline of 10 months up to 09th December 2025 with approved cost of ₹54.00/- Lakh. The project was reviewed in 9th meeting of TCC-II held on 29th & 30th May 2025 and 23rd TCC-II meeting held on 16th and 17th February 2026.
- b) The agency informed the committee that their project has been peer reviewed and requested cost revision in the project.
- c) The committee observed that the agency has not obtained approval for modification in NQT targets from TCC and concluded the project without approval of revised cost. The committee expressed its displeasure over it.
- d) The committee deferred the evaluation of the proposed revised cost sheet till further correction.

Recommendation TCC-II

The committee deferred the evaluation of the proposed revised cost sheet till further correction.

Agenda 24.2.3 Preliminary Exploration (G3) for REE and Associated Minerals in Borana Block, Bhilwara District, Rajasthan.

[Implementing Agency: M/s. GeoExpOre Private Limited]

- a) The project was recommended in 66th TCC meeting held on 24th & 25th June 2024 and approved in 35th EC held on 16th May 2024. The sanction order was issued on 10th June 2024 for scheduled time of 12 months up to 9th June 2025 with an approved cost of ₹1,46,98,108/-. In 4th meeting of TCC-II held on 26th & 27th December 2024, additional 74m drilling and additional chemical analysis was recommended and the project cost was revised to ₹166.30 Lakh. A revised sanction order was issued on 21st February 2025 in this regard.
- b) Timeline extension of 5 months up to 9th November 2025 was also recommended in 8th meeting of TCC-II held on 28th, 29th April & 2nd May 2025 and approved in 42nd EC meeting held on 2nd June 2025. Further, the project was reviewed in 11th TCC-II meeting held on 23rd, 24th, 25th & 30th July 2025 and 16th TCC-II meeting held on 3rd & 6th November 2025. In 16th TCC-II meeting second timeline extension of 3 months up to 8th February 2026 was recommended and it was approved in 3rd PSC held on 15th December 2025.

- c) The agency informed that all approved quantum of work has been completed except the XRD analysis. Ore reserve estimation has been carried out at a 1000 ppm cut-off, yielding 29.49 Mt of ore (total REE: 0.040 Mt) with an average REE concentration of 0.137%. At a 1200 ppm cut-off, the estimated reserve is 26.7 Mt of ore (total REE: 0.037 Mt) with an average REE concentration of 0.144%.
- d) The TCC-II advised completion of the remaining work followed by peer review of the final geological report. Timeline extension of 3 months up to 7th May 2026 was also recommended for GR submission.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “Timeline extension of 3 months up to 7th May 2026 for GR submission”. The committee advised completion of the remaining work followed by peer review & submission of the final geological report.

Agenda 24.2.4 Preliminary Exploration (G3) for Glauconite and Associated Minerals in Pitupura Block, Karauli District, Rajasthan.

[Implementing Agency: M/s. GeoExpOre Private Limited]

- a) The project was recommended in 1st Meeting of TCC-II of held on 26th and 27th September, 2024 & it was approved in 38th EC meeting held on 29th November 2024. The sanction order was issued on 6th January 2025 with approved cost of ₹195.03/- Lakh (including GST) for the scheduled time of 18 months up to 5th July 2026. The project was reviewed in 11th meeting of TCC-II held on 23rd, 24th, 25th & 30th July 2025. In 11th TCC-II meeting, revised cost of ₹194.86 Lakh (including GST) against initial approved cost of ₹195.03 Lakh (including GST) was recommended due to revised quantum of XRD analysis and petrographic studies on samples with high K₂O values to confirm presence of glauconite. This revised cost was approved in 1st PSC held on 9th October 2025.
- b) The agency informed that they have completed Geological mapping, surface sample collection (40 samples) and their geochemical analysis of BRS (100 samples) and pit sample (40 samples) collection work and their analysis. Eighteen samples are above 4.5 % K₂O with average value 2.16 % and pit sample average value 5.3 %. The agency showed the borehole plan in two series, 1st series, 85 m (BH-1 to BH-8) and second series 125 m (BH-09 & BH-10);
- c) The agency informed that Forest Clearance is yet to be obtained. Further, remaining 930 m of drilling has to be done and the results of the XRD analysis are still awaited.
- d) The committee suggested the agency not to carry out the BH-09 and BH-10 as there are existing boreholes of GSI, RKS-1 and RKS-3. Depth of GSI BHs is about 60m.
- e) The committee advised the agency to do appropriate BH planning required as per MEMC rules. Accordingly, committee advised that initially two BHs to be drilled, one in NE & another in SW part, up to 85 m average depth to establish the continuation of mineralisation. Subsequent drilling will be decided after review of results of these BHs.

Recommendation TCC-II

The committee advised commencement of drilling in 2 boreholes up to 85m average depth in NE and in SW side of the block. The remaining drilling quantum will be decided after review.

Agenda 24.2.5 Reconnaissance Survey (G4) for Limestone in and around Amanganj Gunnor Pawai area, Panna District, Madhya Pradesh.

[Implementing Agency: M/s Engeotech Consultant]

- a) The project was given in-principle-approval in 5th TCC-II held on 27th, 28th and 29th January, 2025. DPR of the project was reviewed & recommended in 7th TCC-II meeting held on 24th & 25th March 2025 and approved in 42nd EC 2nd June 2025. The sanction order was issued on 1st July 2025 with approved cost of ₹86.22/- Lakh (including GST) for the scheduled time of 10 months up to 31st May 2026. The project was reviewed in 22nd TCC-II meeting held on 4th and 5th February 2026 and the committee agreed for commencement of drilling in BH nos. 1, 2 and 5.
- b) The agency informed that two BHs have been drilled (BH-2 & 5), which did not intersect limestone. Further the agency reported that below 1-2 m of calcareous shale BHs encountered shale only.
- c) The committee directed closure of the project and questioned the agency on the continuation of drilling in shale up to 50 m depth and advised the agency to revise the costing of the project.
- d) The TCC-II evaluated the revised cost of the project and recommended the same for approval of PSC.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “Revised cost ₹ 44.96 Lakh against the approved cost of ₹ 86.22 Lakh due to closure of further work based on non-intersection of limestone band in two drilled boreholes BH-2 and BH-5”. Annexure 3.

**Revised Estimated Cost of Reconnaissance Survey (G-4 Stage) for Limestone in and around Amanganj Gunnor Pawai Area in Panna District of Madhya Pradesh,
Area: 93.13 sq. km, No. of BH: 02, Borehole depth range- 50 m; Drilling: 100 m; Schedule timeline- 10 months, Review after 4 months
Agency: M/s Enggetech Consultant**

| S. No. | Item of Work | Unit | Rates as per NMET SoC 2020-21 | | Original Estimated Cost of the Proposal | | Revised Estimated Cost of the Proposal | | Remarks |
|----------|--|-----------|-------------------------------|------------------|---|-------------------|--|-------------------|------------------|
| | | | SoC-Item -SI No. | Rates as per SoC | Qty. | Total Amount (Rs) | Qty. | Total Amount (Rs) | |
| A | Geological Mapping (1:12500) & Other Geological Work | | | | | | | | |
| 1 | Charges for Geologist man days for LSM and sampling | day | 1.2.b | 11,000 | 180 | 19,80,000 | 120 | 13,20,000 | - |
| 2 | Labours Charges; Base rate | day | 5.7 | 526 | 360 | 1,89,360 | 240 | 1,26,240 | - |
| 3 | Charges for Geologist per day (HQ) for data interpretation and Map preparation | day | 1.2.a | 9,000 | 60 | 5,40,000 | 30 | 2,70,000 | - |
| | Sub Total- A | | | | | 27,09,360 | | 17,16,240 | |
| B | Survey work | | | | | | | | |
| 1 | DGPS Survey for boundary pillar, BH fixation & RL determination | Per Point | 1.6.2 | 19,200 | 15 | 2,88,000 | 12 | 2,30,400 | 10 BP + 02 BH |
| | Sub-Total B | | | | | 2,88,000 | | 2,30,400 | |
| C | DRILLING | | | | | | | | |
| 1 | Drilling up to 300m (Soft Rock) | M | 2.2.1.3a | 7,168 | 250 | 17,92,000 | 100 | 7,16,800 | 02 BH x 50m each |

| | | | | | | | | | |
|--------------------|---|--------------|----------|----------|-----|------------------|-----|------------------|-----------------------------|
| 2 | Construction of concrete Pillar (12"x12"x30") | per borehole | 2.2.7a | 2,000 | 5 | 10,000 | 2 | 4,000 | 02 BH |
| 3 | Transportation of Drill Rig & Truck associated per drill (1 rigs) | Km | 2.2.8 | 36 | 400 | 14,400 | 400 | 14,400 | - |
| 4 | Monthly Accomodation Charges for drilling Camp | month | 2.2.9 | 50,000 | 3 | 1,50,000 | 1 | 50,000 | 02 BH x 50m each |
| 5 | Drilling Camp Setting Cost | Nos | 2.2.9a | 2,50,000 | 1 | 2,50,000 | 1 | 2,50,000 | - |
| 6 | Drilling Camp Winding up Cost | Nos | 2.2.9b | 2,50,000 | 1 | 2,50,000 | 1 | 2,50,000 | - |
| 7 | Road Making (Flat Terrain) | Km | 2.2.10a | 22,020 | 1 | 22,020 | 0 | - | - |
| 8 | Drill Core Preservation | per m | 5.3 | 1,590 | 100 | 1,59,000 | 0 | - | |
| 9 | Sample Processing | per day | 1.5.2 | 5,100 | 23 | 1,17,300 | 7 | 35,700 | |
| 10 | Labours Charges; Base rate | day | 5.7 | 526 | 92 | 48,392 | 28 | 14,728 | |
| 11 | Land/Crop Compensation | per BH | 5.6 | 20,000 | 5 | 1,00,000 | 2 | 40,000 | 02 BH |
| Sub Total C | | | | | | 29,13,112 | | 13,75,628 | |
| D | LABORATORY STUDIES | | | | | | | | |
| | Chemical Analysis | | | | | | | | |
| 1 | XRF (+10% check) | Nos | 4.1.15.a | 4,200 | 187 | 785400 | 40 | 1,68,000 | 40 samples (surface + core) |
| 2 | Preparation of thin section | Nos | 4.3.1 | 2,353 | 10 | 23530 | 5 | 11,765 | |
| 3 | Study of thin section | Nos | 4.3.4 | 4,232 | 10 | 42320 | 5 | 21,160 | |
| 4 | Digital Photographs | Nos | 4.3.7 | 280 | 10 | 2800 | 5 | 1,400 | |
| 5 | XRD | Nos | 4.5.1 | 4,000 | 5 | 20000 | 0 | - | |
| 6 | Specific Gravity Determination | Nos | 4.8.1 | 1,605 | 10 | 16050 | 5 | 8,025 | |
| Sub Total D | | | | | | 8,90,100 | | 2,10,350 | |
| E | Total A to D | | | | | 68,00,572 | | 35,32,618 | |




| | | | | | | | | | |
|--------------|--|--------------------------------|--------------------|---|--|------------------|--|------------------|--|
| F | Geological Report Preparation | 5 Hard copies with a soft copy | 5.2 | Exploration cost exceeding 50 lakh but less than 150 lakh: A Minimum of ₹2.5 lakh or 5% of the work whichever is more | | 3,40,029 | | 1,76,631 | |
| G | Peer review Charges | | As per EC decision | | | 30,000 | | 30,000 | |
| H | Preparation of Exploration Proposal (5 Hard copies with a soft copy) | 5 Hard copies with a soft copy | 5.1 | 2% of the Cost or Rs. 3.8 Lakhs whichever is less | | 1,36,011 | | 70,652 | |
| I | Total Estimated Cost without GST | | | | | 73,06,612 | | 38,09,901 | |
| J | Provision for GST (18% of J) | | | | | 13,15,190 | | 6,85,782 | |
| K | Total Estimated Cost with GST | | | | | 86,21,802 | | 44,95,683 | |
| | or Say Rs. In Lakhs | | | | | 86.22 | | 44.96 | |
| Note: | | | | | | | | | |
| 1 | Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21. | | | | | | | | |
| 2 | In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement. | | | | | | | | |
| 3 | If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In | | | | | | | | |
| 4 | Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities. | | | | | | | | |
| 5 | Any item of work not mentioned above shall be added as per SoC. | | | | | | | | |
| 6 | All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency. | | | | | | | | |




Agenda 24.2.6 Reconnaissance Survey (G-4) for Glauconite, Phosphorite & REE in Amabara-Maru Block, District-Kachchh, Gujarat.

[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The project was recommended in 3rd TCC-II meeting held on 5th & 6th December 2024 and approved in the 39th EC Meeting held on 24th January 2025. The sanction order was issued on 24th February 2025 with scheduled timeline of 10 months up to 23rd December 2025 with an approved cost of ₹229.81 Lakh. The project was reviewed in 12th TCC-II meeting held on 22nd, 25th, 26th & 27th August 2025 and in 13th TCC-II meeting held on 22nd, 23rd & 24th September 2025.
- b) Geological mapping at 1:12,500 scale was carried out to delineate glauconitic horizons. A total of 382 geochemical samples (163 bedrock, 79 pit, and 140 borehole samples) were collected and analysed. Out of 140 primary borehole samples prepared for analysis, 119 samples were analysed and the remaining results are awaited.
- c) MECL informed that the analytical results of the drill core samples of four vertical boreholes with 40 m depth show K₂O values ranging from 0.89% to 5.14% in MAMB1, 1.37% to 3.18% in MAMB2, 1.85% to 3.67% in MAMB3, and 1.93% to 4.24% in MAMB4 with average values less than 3%. MECL further informed that no significant zones of REE or phosphorite mineralization have been identified. In view of the above facts, the TCC-II opined that the project should be closed and no further work should be undertaken, as the values of K₂O and REE in the area are not encouraging.
- d) Revised cost sheet was evaluated by TCC-II and recommended the same for approval of PSC.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “revised cost ₹ 83.43 Lakh against the approved cost of ₹ 229.81 Lakh due to closure of further work as the values of K₂O and REE in the area were not significant”. (Annexure 4)

Revised Estimated Cost for Reconnaissance Survey (G-4 Stage) for Glauconite in Ambara-Maru Block, District- Kachchh, Gujarat
[Block area- 94.25 sq. km; Drilling : 160 m, 4 BHs, Schedule timeline- 10 months, Review : after 4 months]; Agency: Mineral Exploration and Consultancy Limited

| S. No. | Item of Work | Unit | Rates as per NMET SoC 2020-21 | | Estimated Cost of the Proposal | | Revised Estimated Cost of the Proposal | | Remarks |
|----------|--|--------------|-------------------------------|------------------|--------------------------------|------------------|--|------------------|--|
| | | | SoC-Item -Sl No. | Rates as per SoC | Qty. | Amount (Rs) | Qty. | Amount (Rs) | |
| | | | | | | | | | |
| A | GEOLOGICAL WORK (1:12,500 scale) | | | | | | | | |
| i | Charges for one Geologist- Field | day | 1.2 | 11,000 | 150 | 16,50,000 | 100 | 11,00,000 | |
| ii | Charges for one Geologist per- HQ | day | 1.2 | 9,000 | 60 | 5,40,000 | 60 | 5,40,000 | |
| iii | 2 labours/ party (As per rates of Central Labour Commissioner) | day | 5.7 | 526 | 300 | 1,57,800 | 200 | 1,05,200 | Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher |
| iv | Sampling Party Days -1 Sampler Labour charge not included | day | 1.5.2 | 5,100 | 151 | 7,70,100 | 53 | 2,70,300 | |
| v | 4 labours/ party (As per rates of Central Labour Commissioner) | day | 5.7 | 526 | 604 | 3,17,704 | 212 | 1,11,512 | Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher |
| | Sub Total- A | | | | | 34,35,604 | | 21,27,012 | |
| B | PITTING AND TRENCHING | | | | | | | | |
| i | Trenching | Cu m | 2.1.1 | 3330 | 150 | 4,99,500 | 135 | 4,49,550 | |
| | Sub Total- B | | | | | 4,99,500 | | 4,49,550 | |
| C | DRILLING | | | | | | | | |
| i | Drilling upto 300m (Soft Rock) (1 rigs) | m | 2.2.1.4a | 7,168 | 800 | 57,34,400 | 160 | 11,46,880 | 4BH x 40m =160m, MoC rate |
| ii | Land Crop Compensation | per BH | 5.6 | 20,000 | 20 | 4,00,000 | 4 | 80,000 | Amount will be reimbursed as per actuals or max. Rs. 20000 per BH with certification from local authorities |
| iii | Construction of concrete Pillar (12"x12"x30") | per borehole | 2.2.7a | 2,000 | 20 | 40,000 | 4 | 8,000 | |

| | | | | | | | | | |
|---------------------|--|-------|---------|----------|-------|--------------------|-------|------------------|---|
| iv | Transportation of Drill Rig & Truck associated per drill | Km | 2.2.8 | 36 | 2,500 | 90,000 | 2,500 | 90,000 | Certification in this regard is required to be provided |
| v | Monthly Accomodation Charges for drilling Camp | month | 2.2.9 | 50,000 | 4 | 2,00,000 | 2 | 1,00,000 | |
| vi | Drilling Camp Setting Cost | Nos | 2.2.9a | 2,50,000 | 1 | 2,50,000 | 1 | 2,50,000 | |
| vii | Drilling Camp Winding up Cost | Nos | 2.2.9b | 2,50,000 | 1 | 2,50,000 | 1 | 2,50,000 | |
| viii | Approach Road Making (Flat Terrain) | Km | 2.2.10a | 22,020 | 5 | 1,10,100 | 1 | 22,020 | |
| ix | Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and by DGPS | Nos | 1.6.2 | 19,200 | 20 | 3,84,000 | 4 | 76,800 | |
| x | Borehole core preservation-One complete borehole plus mineralised cores of all the remaining Bhs | m | 5.3 | 1,590 | 610 | 9,69,900 | - | - | |
| Sub Total- C | | | | | | 84,28,400 | | 20,23,700 | |
| D | LABORATORY STUDIES | | | | | | | | |
| 1 | Chemical Analysis | | | | | | | | |
| i | Bedrock/Channel/Chip/Trench/BH etc Samples) | | | | | | | | |
| | a) Primary samples for K ₂ O, SiO ₂ , MgO, CaO, Na ₂ O, P ₂ O ₅ , Al ₂ O ₃ & Fe ₂ O ₃ | Nos | 4.1.15a | 4,200 | 900 | 37,80,000 | 338 | 14,19,600 | |
| | b) External Check sample (10% of Primary samples) | Nos | 4.1.15a | 4,200 | 90 | 3,78,000 | 34 | 1,41,960 | |
| | c) Trace element (34 element) +10% of Primary samples | Nos | 4.1.14 | 7,731 | 220 | 17,00,820 | 44 | 3,40,164 | |
| ii | Preparation of thin section | Nos | 4.3.1 | 2,353 | 10 | 23,530 | 8 | 18,824 | |
| iii | Complete petrographic study report | Nos | 4.3.4 | 4,232 | 10 | 42,320 | 8 | 33,856 | |
| iv | Digital Photographs | Nos | 4.3.7 | 280 | 10 | 2,800 | 8 | 2,240 | |
| v | XRD Study | Nos | 4.5.1 | 4,000 | 5 | 20,000 | 3 | 12,000 | |
| vi | Bulk Density Determination | Nos | 4.1 | 3,540 | 5 | 17,700 | 3 | 10,620 | |
| Sub Total- D | | | | | | 59,65,170 | | 19,79,264 | |
| E | Total A to D | | | | | 1,83,28,674 | | 65,79,526 | |

| | | | | | | | | |
|--------------|--|---|-----------------------------------|--|--------------------|--|------------------|---|
| F | Geological Report Preparation | | 5.2 (iii) | Reconnaissance Survey/ Preliminary exploration/ General exploration/ Detailed exploration exceeding ₹150 lakh but less than 300 lakh: A Minimum of ₹7.5 lakh or 3% of the work whichever is more and ₹3000/- per each additional copy. | 7,50,000 | | 3,28,976 | Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET. |
| G | Peer review Charges | | As per EC decision | | 30,000 | | 30,000 | |
| H | Preparation of Exploration Proposal (5 Hard copies with a soft copy) | 5 Hard copies with a soft copy | 5.1 | 2% of the Cost or Rs. 5.0 Lakhs whichever is lower | 3,66,573 | | 1,31,591 | |
| I | Total Estimated Cost without GST | | | | 1,94,75,247 | | 70,70,093 | |
| J | Provision for GST (18% of I) | | | | 35,05,545 | | 12,72,617 | GST will be reimburse as per actual and as per notified prescribed rate |
| K | Total Estimated Cost with GST | | | | 2,29,80,792 | | 83,42,710 | |
| | or Say Rs. In Lakhs | | | | 229.81 | | 83.43 | |
| Note: | | | | | | | | |
| 1 | Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21. | | | | | | | |
| 2 | In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement. | | | | | | | |
| 3 | If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In | | | | | | | |
| 4 | Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities. | | | | | | | |
| 5 | Any item of work not mentioned above shall be added as per SoC. | | | | | | | |
| 6 | All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency. | | | | | | | |

Agenda 24.2.7 Reconnaissance Survey (G-4) for Glauconite in Ambara West Block (143.15 sq. km), Kachchh District, Gujarat.
[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]

- a) The project was recommended in 1st TCC-II meeting held on 26th & 27th September 2024 and approved in the 38th EC Meeting held on 29th November 2024. The sanction order was issued on 13th December 2024 with timeline of 12 months up to 12th December 2025 with an approved cost of ₹107.78 Lakh. The project was reviewed in 12th TCC-II meeting held on 22nd, 25th, 26th & 27th August 2025 and in 13th TCC-II meeting held on 22nd, 23rd & 24th September 2025. In 13th TCC-II meeting the committee reviewed the outputs and opined that value of K₂O (average 3% for 74 BRS) was not encouraging and suggested for the complete analysis of BRS and Pit samples.
- b) MECL informed the committee that they have completed the geological mapping and collected 100 BRS samples and 91 pit samples. Ten boreholes were drilled with total meterage of 273 m and collected 214 samples.
- c) MECL informed that the K₂O values in pit sample ranges from 3.02% To 6.19%. In chemical analysis report of boreholes MKAW-01, MKAW-03 and MKAW-05 the average value of K₂O is greater than 3%. The agency informed that they have generated 214 borehole samples to specify the ore zones against the earlier approved 100 BH samples. So, the agency requested approval of additional 114 nos. of BH samples for analysis & inclusion of modal analysis for 10 samples and targeting the grey shale bands along with glauconite sandstone.
- d) The TCC-II evaluated the proposed revised cost of the project and agreed for recommending the proposed additional quantum of work for approval of PSC.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “revised cost ₹ 117.69 Lakh against the approved cost of ₹ 107.78 Lakh due to additional analysis of 114 nos. of BH samples & inclusion of modal analysis for 10 samples”. (Annexure 5)

Revised Estimated Cost for Reconnaissance survey (G4) in Ambara West Block for Glauconite District: Kachchh, Gujarat
[Block area- 143.15 sq. km], Drilling :300m, Schedule timeline- 12months, Review after 6 months; Agency: Mineral Exploration and Consultancy Limited

| S. No. | Item of Work | Unit | Rates as per NMET SoC 2020-21 | | Approved Cost of the Proposal (As per OM) | | Revised Estimated Cost of the Proposal as per SoC 20-21 | | Remarks |
|----------|--|--------------|-------------------------------|------------------|---|-------------|---|------------------|---|
| | | | SoC-Item -SI No. | Rates as per SoC | Qty. | Amount (Rs) | Qty. | Amount (Rs) | |
| | | | | | | | | | |
| A | GEOLOGICAL WORK (1:12,500 scale) | | | | | | | | |
| i | Charges for one Geologist- Field | day | 1.2 | 11,000 | 150 | 16,50,000 | 150 | 16,50,000 | |
| ii | Charges for one Geologist per- HQ | day | 1.2 | 9,000 | 60 | 5,40,000 | 60 | 5,40,000 | |
| iii | 2 labours/ party (Rs 494/day/labour) (As per rates of Central Labour Commissioner) | day | 5.7 | 522 | 300 | 1,56,600 | 300 | 1,56,600 | Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher |
| iv | Sampling Party Days -1 Sampler Labour charge not included | day | 1.5.2 | 5,100 | 40 | 2,04,000 | 63 | 3,21,300 | For increase of samples |
| v | 4 labours/ party (Rs 494/day/labour) (As per rates of Central Labour Commissioner) | day | 5.7 | 522 | 160 | 83,520 | 252 | 1,31,544 | Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher |
| | | | | | Sub Total- A | | | 27,99,444 | |
| B | PITTING AND TRENCHING | | | | | | | | |
| i | Trenching/Pitting | Cu m | 2.1.1 | 3330 | 150 | 4,99,500 | 150 | 4,99,500 | |
| | | | | | Sub Total- B | | | 4,99,500 | |
| C | DRILLING | | | | | | | | |
| i | Drilling upto 300m (Soft Rock) (1 rigs) | m | 2.2.1.4a | 7,168 | 300 | 21,50,400 | 273 | 19,56,864 | 10BH, MoC rate |
| ii | Land / Crop Compensation | per BH | 5.6 | 20,000 | 10 | 2,00,000 | 10 | 2,00,000 | Amount will be reimbursed as per actuals or max. Rs. 20000 per BH with certification from local authorities |
| iii | Construction of concrete Pillar (12"x12"x30") | per borehole | 2.2.7a | 2,000 | 10 | 20,000 | 10 | 20,000 | |

| | | | | | | | | | |
|---------------------|---|------------|----------------|--------------|------------|------------------|------------|------------------|---|
| iv | Transportation of Drill Rig & Truck associated per drill | Km | 2.2.8 | 36 | 2,500 | 90,000 | 2,500 | 90,000 | Certification in this regard is required to be provided |
| v | Monthly Accomodation Charges for drilling Camp | month | 2.2.9 | 50,000 | 4 | 2,00,000 | 4 | 2,00,000 | |
| vi | Drilling Camp Setting Cost | Nos | 2.2.9a | 2,50,000 | 1 | 2,50,000 | 1 | 2,50,000 | |
| vii | Drilling Camp Winding up Cost | Nos | 2.2.9b | 2,50,000 | 1 | 2,50,000 | 1 | 2,50,000 | |
| viii | Approach Road Making (Flat Terrain) | Km | 2.2.10a | 22,020 | 5 | 1,10,100 | 4 | 88,080 | Road Making will be considered as per the requirement and Road Making Charges will be reimbursed for max. 4 km. |
| ix | Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and by DGPS | Nos | 1.6.2 | 19,200 | 10 | 1,92,000 | 10 | 1,92,000 | |
| x | Borehole core preservation-One complete borehole plus mineralised cores of all the remaining Bhs | m | 5.3 | 1,590 | 220 | 3,49,800 | 220 | 3,49,800 | |
| Sub Total- C | | | | | | 38,12,300 | | 35,96,744 | |
| D | LABORATORY STUDIES | | | | | | | | |
| 1 | Chemical Analysis | | | | | | | | |
| i | Bedrock/Channel/Chip/Trench/BH etc Samples) | | | | | | | | |
| | a) Primary samples for K₂O, SiO₂, MgO, CaO, Na₂O, P₂O₅, Al₂O₃ & Fe₂O₃ | Nos | 4.1.15a | 4,200 | 300 | 12,60,000 | 414 | 17,38,800 | 114 nos of additional samples(As K ₂ O values are reported it has been decided to analyse the drillcore runs with having Glauconite content. |
| | b) External Check sample (10% of Primary samples) | Nos | 4.1.15a | 4,200 | 30 | 1,26,000 | 41 | 1,73,880 | 11 nos of additional samples |
| | c) Trace element (34 element) | Nos | 4.1.14 | 7,731 | 30 | 2,31,930 | 30 | 2,31,930 | |
| ii | Preparation of thin section | Nos | 4.3.1 | 2,353 | 10 | 23,530 | 20 | 47,060 | 10 nos of additional samples for the Modal Analysis |
| iii | Complete petrographic study report | Nos | 4.3.4 | 4,232 | 10 | 42,320 | 20 | 84,640 | 10 nos of additional samples for the Modal Analysis |
| iv | Digital Photographs of thin polished section | Nos | 4.3.7 | 280 | 10 | 2,800 | 20 | 5,600 | 10 nos of additional samples for the Modal Analysis |
| v | XRD Study | Nos | 4.5.1 | 4,000 | 5 | 20,000 | 15 | 60,000 | 10 nos of additional samples |

| | | | | | | | | | |
|--------------|--|---------------------------------------|---------------------------|---|---|--------------------|----|--------------------|--|
| vi | Modal Analysis of thin section | Nos | 4.3.8 | 3,780 | - | - | 10 | 37,800 | 10 nos of samples for the Modal Analysis of thin section samples glauconitic horizons. |
| vii | Bulk Density Determination | Nos | 4.1 | 3,540 | 5 | 17,700 | 5 | 17,700 | |
| | Sub Total- D | | | | | 17,24,280 | | 23,97,410 | |
| E | Total A to D | | | | | 86,70,200 | | 92,93,098 | |
| F | Geological Report Preparation | | 5.2 | For the projects having cost exceeding Rs. 50 lakhs and less than Rs. 150 lakhs - A minimum of Rs. 2.5 lakhs or 5% of the value of work whichever is more | | 2,60,106 | | 4,64,655 | Reimbursement will be made after submission of the final Geological Report in hard Copies (5 Nos) and the soft copy to NMET. |
| G | Peer review Charges | | As per EC decision | | | 30,000 | | 30,000 | |
| H | Preparation of Exploration Proposal (5 Hard copies with a soft copy) | 5 Hard copies with a soft copy | 5.1 | 2% of the Cost or Rs. 5.0 Lakhs whichever is lower | | 1,73,404 | | 1,85,862 | |
| I | Total Estimated Cost without GST | | | | | 91,33,710 | | 99,73,615 | |
| J | Provision for GST (18% of I) | | | | | 16,44,068 | | 17,95,251 | GST will be reimbursed as per actual and as per notified prescribed rate |
| K | Total Estimated Cost with GST | | | | | 1,07,77,778 | | 1,17,68,866 | |
| | or Say Rs. In Lakhs | | | | | 107.78 | | 117.69 | |
| Note: | | | | | | | | | |
| 1 | Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21. | | | | | | | | |
| 2 | In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement. | | | | | | | | |
| 3 | If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In | | | | | | | | |
| 4 | Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities. | | | | | | | | |
| 5 | Any item of work not mentioned above shall be added as per SoC. | | | | | | | | |
| 6 | All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency. | | | | | | | | |

**Agenda 24.2.8 Preliminary Exploration (G-3) for Glauconitic Sandstone in Mudhan-Khatiya Block (129.00 sq. km), Kachchh District, Gujarat.
[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]**

- a) The agency informed that the project was discussed in 22nd TCC-II for final GR submission. They further informed that the final geological report (GR) of the project has been submitted for Peer Review and the comments of reviewer are awaited. The project will be presented after incorporation of comments of Peer Reviewer in the final GR.

Recommendation TCC-II

The committee advised the agency to come for review after incorporation of comments of Peer Reviewer in the final Geological report.

**Agenda 24.2.9 Preliminary Exploration (G-3) for Bauxite and Associated Minerals in Dhrang Block (4.86 sq. km) Kutch District, Gujarat.
[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]**

- a) MECL informed that the project was recommended in 5th meeting of TCC-II held on 27th, 28th and 29th January 2025 and approved in 40th EC meeting held on 21 February 2025, with an estimated cost of ₹150.99 Lakh (including GST) within the time schedule of 14 months with sanctioned date 5.3.2025.
- b) The project was reviewed in 22nd TCC-II meeting held on 4th & 5th February 2026. During the review the agency informed that the Geological mapping on 1:4000 scale, pitting of 50.08 cu. m out of 100.00 cu. m, and 77 m of drilling quantum (5 BHs) have been completed (out of 450m). Further the agency informed that the results suggest that bauxite mineralization within the Dhrang Block is restricted to hilltop zones and lacks lateral continuity. The agency informed that the Dhrang Block demonstrates localised development of residual bauxite and lateritic profiles over Deccan Trap basalt of the Mata-no-Madh Formation. Five boreholes (totalling 77 m) have established: bauxite (avg. 3.00 m), low-grade bauxite (avg. 3.54 m), and aluminous laterite (avg. 3.83 m). The committee observed good values of TiO₂ and Vanadium in boreholes.
- c) In view of the above, the TCC-II advised the agency to estimate the resources for the mineralized zones. It was also recommended that drilling operations in this area to be closed. The committee subsequently reviewed the revised cost sheet of the project, considering the reduced scope of drilling along with the corresponding decrease in sampling and chemical analysis following the proposed closure of drilling activities.

Recommendation TCC-II

*The committee recommended the proposal for approval of PSC for “revised cost of ₹ 57.96 Lakh against approved cost of ₹ 150.99 Lakh, due to closure of further drilling activities”.
(Annexure 6)*

Revised Estimated Cost for Preliminary Exploration (G-3) for Bauxite and associated minerals in Dhrang Block, Districts: Kachchh, State: Gujarat
[Block area- 4.86 sq. km; Schedule timeline- 14 months; BH-5 nos; Drilling- 77m]; Review- After 6 months
Agency: Mineral Exploration and Consultancy Limited

| S. No. | Item of Work | Unit | Rates as per NMET SoC 2020-21 | | Estimated Cost of the Proposal | | Revised Estimated Cost as per SoC 20-21 | | Remarks |
|----------|---|------|-------------------------------|------------------|--------------------------------|------------------|---|------------------|--|
| | | | SoC-Item -SI No. | Rates as per SoC | Qty. | Amount (Rs) | Qty. | Amount (Rs) | |
| | | | | | | | | | |
| A | GEOLOGICAL WORK (1:4000 scale) & TOPOGRAPHICAL SURVEY (1:4000 scale) | | | | | | | | |
| i | Charges for one Geologist- Field | day | 1.3 | 11,000 | 150 | 16,50,000 | 80 | 8,80,000 | |
| ii | Charges for one Geologist per- HQ | day | 1.3 | 9,000 | 60 | 5,40,000 | 50 | 4,50,000 | |
| iii | 2 labours/ party (As per rates of Central Labour Commissioner) | day | 5.7 | 526 | 300 | 1,57,800 | 160 | 84,160 | Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher |
| iv | Sampling party days-1 Samplers Labour charge not included | day | 1.5.2 | 5,100 | 90 | 4,59,000 | 23 | 1,17,300 | |
| v | 4 labours/ party (As per rates of Central Labour Commissioner) | day | 5.7 | 526 | 360 | 1,89,360 | 92 | 48,392 | Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher |
| vi | Survey Party Days for topographical contour survey, block boundary and borehole points fixation | day | 1.6. 1a | 8,300 | 40 | 3,32,000 | 40 | 3,32,000 | |
| vii | 4 labours for surveyor | day | 5.7 | 526 | 160 | 84,160 | 160 | 84,160 | |
| | | | | | Sub Total- A | 34,12,320 | | 19,96,012 | |
| B | PITTING AND TRENCHING | | | | | | | | |
| i | Pitting | Cu m | 2.1.2 | 3800 | 100 | 3,80,000 | 51 | 1,93,800 | |
| ii | Trenching | Cu m | 2.1.1 | 3330 | 50 | 1,66,500 | - | - | |
| | | | | | Sub Total- B | 5,46,500 | | 1,93,800 | |
| C | LABORATORY STUDIES | | | | | | | | |

| | | | | | | | | | |
|----------|---|-----|---------|-------|-----|-----------|----|----------|------------------------------|
| 1 | Chemical Analysis | | | | | | | | |
| i | Primary & Check samples for Bauxite BRS/Chip/Channel/Trench/BH samples) | | | | | | | | |
| | a. Primary Samples for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI | Nos | 4.1.15a | 4,200 | 340 | 14,28,000 | 94 | 3,94,800 | BH-54, BRS-20, Pit/Trench-20 |
| | b. For each additional trace elements viz. V, Sc & Ga | Nos | 4.1.15b | 1,263 | 300 | 3,78,900 | 54 | 68,202 | From BH primary samples |
| | c. External (10%) Check samples for 5 radicals i.e. Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , TiO ₂ & LOI | Nos | 4.1.15a | 4,200 | 34 | 1,42,800 | 9 | 37,800 | |
| | d. External (10%) Check samples for each additional trace elements viz. V, Sc & Ga | Nos | 4.1.15b | 1,263 | 30 | 37,890 | 5 | 6,315 | |
| | | | | | | | | | |
| 2 | Physical, Petrological, Mineralogical Studies | | | | | | | | |
| i | Preparation of thin section | Nos | 4.3.1 | 2,353 | 10 | 23,530 | 6 | 14,118 | |
| ii | Complete petrographic study report | Nos | 4.3.4 | 4,232 | 10 | 42,320 | 6 | 25,392 | |
| iii | Preparation of polished section | Nos | 4.3.2 | 1,549 | 10 | 15,490 | 4 | 6,196 | |
| iv | Complete mineragraphic study report | Nos | 4.3.4 | 4,232 | 10 | 42,320 | 4 | 16,928 | |
| v | Digital Photographs | Nos | 4.3.7 | 280 | 10 | 2,800 | 8 | 2,240 | |
| vi | X-RD studies for mineral identification | Nos | 4.5.1 | 4,000 | 10 | 40,000 | 5 | 20,000 | |
| vii | ICP-AES/ICPMS (sequential technique) for 34 elements i.e. 16 other elements viz. Li, Ga, In, Be, Ge, Mo, Ni, Cr, Ta, W, Ba, Co, Rb, Sr, Zr, Nb ;16 REE viz. La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sc, Y; 02 Actinides viz. U, Th. | Nos | 4.1.14 | 7,731 | 15 | 1,15,965 | 15 | 1,15,965 | |
| viii | Bulk density determination | Nos | 4.10 | 3540 | 10 | 35,400 | 2 | 7,080 | |
| ix | Combined determination of Trihydrate Alumina (THA-140°C), Monohydrate Alumina (MHA-240°C) & Reactive Silica | Nos | 4.1.17a | 6700 | 10 | 67,000 | 5 | 33,500 | |

| | | | | | | | | | |
|----------|--|--------------|------------|--|-------|--------------------|---|------------------|--|
| | Sub Total- C | | | | | 23,72,415 | | 7,48,536 | |
| D | DRILLING | | | | | | | | |
| i | Drilling upto 300m (Soft Rock) (1 rigs) | m | 2.2.1.1b | 7,168 | 450 | 32,25,600 | 77 | 5,51,936 | In first phase out of 6 BHs, completed 5 BHs |
| ii | Land / Crop Compensation | per BH | 5.6 | 20,000 | 15 | 3,00,000 | 5 | 1,00,000 | |
| iii | Construction of concrete Pillar (12"x12"x30") | per borehole | 2.2.7a | 2,000 | 15 | 30,000 | 5 | 10,000 | Only 5 BH were drilled |
| iv | Transportation of Drill Rig & Truck associated per drill | Km | 2.2.8 | 36 | 4,648 | 1,67,328 | 4,648 | 1,67,328 | |
| v | Monthly Accomodation Charges for drilling Camp (up to 2 Rigs) | month | 2.2.9 | 50,000 | 3 | 1,50,000 | 2 | 1,00,000 | |
| vi | Drilling Camp Setting Cost | Nos | 2.2.9a | 2,50,000 | 2 | 5,00,000 | 1 | 2,50,000 | |
| vii | Drilling Camp Winding up Cost | Nos | 2.2.9b | 2,50,000 | 2 | 5,00,000 | 1 | 2,50,000 | |
| viii | Approach Road Making | Km | 2.2.10a | 22,020 | 2 | 44,040 | 1 | 22,020 | |
| ix | Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes by DGPS | Nos | 1.6.2 | 19,200 | 19 | 3,64,800 | 9 | 1,72,800 | 5 Boreholes+ 4 Block Boundary points |
| x | Drill core preservation: One complete borehole plus mineralised cores of all the remaining Bhs | m | 5.3 | 1,590 | 200 | 3,18,000 | - | - | |
| | Sub Total- D | | | | | 55,99,768 | | 16,24,084 | |
| E | Total A to D | | | | | 1,19,31,003 | | 45,62,432 | |
| F | Geological Report Preparation | | 5.2 | For the projects having cost exceeding Rs. 50 lakhs but less than Rs.150 lakhs - A minimum of Rs. 2.5 lakhs or 5% of the value of work whichever is more | | 5,96,550 | For the projects having cost less than Rs. 50 lakhs - A minimum of Rs. 1.5 lakhs or 5% of the value of work whichever is more | 2,28,122 | Reimbursement will be made after submission of the final Geological Report in Hard Copies and the soft copy to NMET. |

| | | | | | | | | | |
|--------------|--|---------------------------------------|---------------------------|--|----------------------------|-----------------------|--|---------------------|--|
| G | Peer review Charges | | As per EC decision | | | 30,000 | | 30,000 | |
| H | Preparation of Exploration Proposal | 5 Hard copies with a soft copy | 5.1 | 2% of the Cost or Rs. 5.0 Lakhs whichever is lower | | 2,38,620 | | 91,249 | |
| I | Total Estimated Cost without GST | | | | | 1,27,96,173 | | 49,11,802 | |
| J | Provision for GST (18% of I) | | | | | 23,03,311.18 | | 8,84,124.40 | GST will be reimbursed as per actual and as per notified prescribed rate |
| K | Total Estimated Cost with GST (Rupees) | | | | | 1,50,99,484.39 | | 5,795,926.64 | |
| | | | | | or Say Rs. In Lakhs | 150.99 | | 57.96 | |
| Note: | | | | | | | | | |
| 1 | Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21. | | | | | | | | |
| 2 | In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement. | | | | | | | | |
| 3 | If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In | | | | | | | | |
| 4 | Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities. | | | | | | | | |
| 5 | Any item of work not mentioned above shall be added as per SoC. | | | | | | | | |
| 6 | All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency. | | | | | | | | |




**Agenda 24.2.10 Reconnaissance Survey for Wollastonite in Bhadli Wollastonite
Prospecting Block (107.8 sq. km), Banaskantha District, Gujarat.
[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]**

- a) The project was recommended in 5th TCC-II meeting held on 27th, 28th & 29th January 2025 and approved in the 40th EC Meeting held on 21st February 2025. The sanction order was issued on 5th March 2025 for scheduled timeline of 10 months up to 4th January 2026 with an approved cost was ₹160.76 Lakh.
- b) The project was reviewed in 12th TCC-II meeting held on 22nd, 25th, 26th & 27th August 2025 and 20th TCC-II meeting held on 2nd & 5th January 2026.
- c) MECL informed that the Final Geological Report has undergone peer review, and all modifications and corrections suggested by the peer reviewer have been incorporated into the report.
- d) The TCC-II agreed for submission of Final Geological Report.

Recommendation TCC-II

The committee agreed for submission of Final Geological Report.

**Agenda 24.2.11 Preliminary Exploration (G-3) for Kyanite and Sillimanite in
Malada Block, Bhandara District, Maharashtra.
[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]**

- a) The project was recommended in 74th TCC-I meeting held on 20th and 21st February 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 19th March 2025 for scheduled timeline of 10 months up to 18th January 2026 with an approved cost was ₹140.41 Lakh.
- b) The project was reviewed in 20th TCC-II meeting held on 2nd & 5th January 2026. In the meeting the committee recommended pre-closure of the project due to insignificant values and timeline extension of two (02) months 13 days up to 31st March 2026 for submission of Final Geological Reports. The proposal of timeline extension was approved in 4th PSC held on 13th January 2026.
- c) MECL further informed that the Final Geological Report has undergone peer review, and all modifications and corrections suggested by the peer reviewer have been incorporated into the report.
- d) The TCC-II agreed for submission of Final Geological Report.

Recommendation TCC-II

The committee agreed for submission of Final Geological Report.

**Agenda 24.2.12 Reconnaissance Survey (G4 stage) for Base metals in Burogaon-Biltala Mogan area, Lalitpur district, Uttar Pradesh.
[Implementing Agency: M/s Geovale Services Private Limited]**

- a) The project was recommended in 5th TCC-II meeting held on 27th, 28th & 29th January 2025 and approved in the 40th EC Meeting held on 21st February 2025. The sanction order was issued on 10.3.2025 for scheduled timeline of 14 months up to 9.5.2026 with an approved cost was ₹317.52 Lakh.
- b) The agency informed that geological mapping over an area of 166 sq. km has been completed on a 1:12,500 scale. A mineralized quartz reef trending N-S with a length of about 2 km has been identified, which is exposed along a lineament extending for more than 12 km in the TDR map. Bedrock assays indicate Cu values ranging from 207 to 1158 ppm, Mo from 3 to 36 ppm, and Sn up to 96 ppm. B-horizon soil samples from the central part of the quartz vein show Cu values up to 930 ppm. The presence of biotite along the cleavage of feldspar indicates potassium alteration, and fluid pathways suggesting mineralization have also been observed. Based on these findings, the agency has proposed drilling of four boreholes, including a 400 m vertical borehole in the K-alteration zone and a 200 m vertical borehole in pegmatitic granite (showing 5294 ppm Cu), where Y and Nb may be present. The agency further indicated the possibility of a large porphyry system in the northern part of the area. Additionally, a timeline extension of 6 months, up to 31st October 2026, has been requested.
- c) The TCC-II observed that analytical values indicated are mostly of grab/spot samples and advised the agency that trenching should be done to get the surface control and analyse the sample to demarcate the area prior to the finalization of drilling plan. Available aero-magnetic data to be consulted. The committee recommended modifications in approved quantum of work for inclusion of trenching and ask the agency to submit the justification.
- d) Accordingly, revised cost of the project was evaluated and the same was recommended by the committee for approval of PSC.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “The committee recommended the proposal for approval of PSC for “revised cost of ₹ 325.19 lakh against approved cost of ₹ 317.51 lakh, due to proposed inclusion of trenching and modifications in quantum of sampling and timeline extension of 6 months, up to 31st October 2026”. (Annexure 7).

**Revised Estimated Cost for Reconnaissance survey (G4) for Basemetal in Burogaon-Biltala-Mogan areas, District Lalitpur, Uttar Pradesh
Total Area - 166 sq. km; Core drilling: 4BH, 1000m (1 BH 400m, 3 BH 200m each); Completion Time -14 Months, Review: 6 months & 12 months
Agency – M/s Geovale Service Pvt. Ltd**

| S. No | Item of work | Unit | Rates as per NMET SoC | | Sanctioned Cost of the Proposal | | Quantum | Total Amount (Rs) | Remarks |
|----------|---|-----------------------|-----------------------|------------------|---------------------------------|---------------------|---------|---------------------|--|
| | | | SoC-Item – Sl. No. | Rates as per SOC | Quantum | Total Amount (Rs) | | | |
| 1 | Geological Work | | | | | | | | |
| A | Geological Mapping (1:12,500) & sampling | 166 sq. km | | | | | | | |
| a | Geologists (HQ) days (1 No) | one geologist per day | 1.2 | 9,000.00 | 60 | 5,40,000.00 | 60 | 5,40,000.00 | |
| b | Geologist field-days (2 No. geologists for 60 days) | one geologist per day | 1.2 | 11,000.00 | 240 | 26,40,000.00 | 240 | 26,40,000.00 | 2 geologist @ 120 days (4months) |
| c | Labor (Field days) (2 workers per geologist, i.e Total 4 No.) | per labor day | 5.7 | 526.00 | 480 | 2,52,480.00 | 480 | 2,52,480.00 | Amount will be reimburse as per the notified rates by the Central Labor Commission or respective State Govt. whichever is higher |
| B | Pitting/Trenching | | | | | | | | |
| a | Pitting / Trenching | per cu. m | 2.1.3 | 3,800.00 | 100 | 3,80,000.00 | 200 | 7,60,000.00 | |
| | Sub-Total 1 | | | | | 38,12,480.00 | | 41,92,480.00 | |
| 2 | Laboratory Studies | | | | | | | | |
| A | Geochemical Analysis for regional and detail survey | | | | | | | | |
| a | XRF (major oxides) | per sample | 4.1.15a | 4,200.00 | 100 | 4,20,000.00 | 110 | 4,62,000.00 | |




| | | | | | | | | | |
|----------|---|----------------------------|--------------|-----------------|------------|---------------------|------------|---------------------|--|
| b | Check samples for XRF | per sample | 4.1.15a | 4,200.00 | 10 | 42,000.00 | 11 | 46,200.00 | |
| c | ICPMS (34 elements) | per sample | 4.1.14 | 7,731.00 | 100 | 7,73,100.00 | 120 | 9,27,720.00 | |
| d | Analysis for gold by fire assay technique | per sample | 4.1.5a | 2,380.00 | 10 | 23,800.00 | 20 | 47,600.00 | |
| e | Check samples | per sample | 4.1.5a | 2,380.00 | 5 | 11,900.00 | 2 | 4,760.00 | |
| f | XRD | per sample | 4.5.1 | 4,000.00 | 10 | 40,000.00 | 10 | 40,000.00 | |
| g | Sampler man-days | one sampler per day | 1.5.2 | 5,100.00 | 29 | 1,49,812.50 | 34 | 1,74,037.50 | |
| h | Labor (4 workers per sampler) | per labor day | 5.7 | 526.00 | 118 | 61,805.00 | 137 | 71,799.00 | Amount will be reimburse as per the notified rates by the Central Labor Commission or respective State Govt. whichever is higher |
| | Sub-Total 2 | | | | | 15,22,417.50 | | 17,74,116.50 | |
| 3 | Petrological studies | | | | | | | | |
| a | Thin polished section preparation | per sample | 4.3.1 | 1,549.00 | 100 | 1,54,900.00 | 100 | 1,54,900.00 | |
| b | Microscopic study | per sample | 4.3.4 | 4,232.00 | 100 | 4,23,200.00 | 100 | 4,23,200.00 | |
| | Sub-Total 3 | | | | | 5,78,100.00 | | 5,78,100.00 | |
| 4 | Geophysical Survey (in-house) | | | | | | | | |
| a | S.P. & Shallow electrical resistivity (10–20-line km) | per line km | 3.3c | 60,000.00 | 10 | 6,00,000.00 | 10 | 6,00,000.00 | |
| b | Magnetic (40 sq km, 4000 points) | per station | 3.2a | 1,800.00 | 1000 | 18,00,000.00 | 1000 | 18,00,000.00 | |
| c | Expert Charges for Geophysicist (HQ) | Geophysicist per day | 3.18 | 9,000.00 | 20 | 1,80,000.00 | 20 | 1,80,000.00 | |
| | Sub-Total 4 | | | | | 25,80,000.00 | | 25,80,000.00 | |
| 5 | Geological Work (Drilling; In-house) | | | | | | | | |
| a | Core drilling up to 400m depth (4 BH) | per meter | 2.2.1.4a | 11,500.00 | 900 | 1,03,50,000.00 | 900 | 1,03,50,000.00 | |

| | | | | | | | | | |
|----------|---|------------|----------|-------------|------|-----------------------|------|-----------------------|--|
| b | Core drilling between 301 to 400 m (1BH 200 to 400m) | per meter | 2.2.1.4b | 12,420.00 | 100 | 12,42,000.00 | 100 | 12,42,000.00 | |
| c | Land / Crop Compensation | per BH | 5.6 | 20,000.00 | 4 | 80,000.00 | 4 | 80,000.00 | |
| d | Transportation of Drill Rig & Truck associated per drill (2 rigs)-Two way | km | 2.2.8 | 36.00 | 4800 | 1,72,800.00 | 4800 | 1,72,800.00 | |
| e | Monthly Accomodation Charges for drilling Camp | month | 2.2.9 | 50,000.00 | 4 | 2,00,000.00 | 4 | 2,00,000.00 | |
| f | Drilling Camp Setting Cost | Nos | 2.2.9a | 2,50,000.00 | 2 | 5,00,000.00 | 2 | 5,00,000.00 | |
| g | Drilling Camp Winding up Cost | Nos | 2.2.9b | 2,50,000.00 | 2 | 5,00,000.00 | 2 | 5,00,000.00 | |
| h | Approach Road making for ruggat/hilly terrain | km | 2.2.10b | 32,200.00 | 4 | 1,28,800.00 | 4 | 1,28,800.00 | |
| i | Drill core preservation | per meter | 5.3.0 | 1,590.00 | 250 | 3,97,500.00 | 250 | 3,97,500.00 | |
| | Sub-Total 5 | | | | | 1,35,71,100.00 | | 1,35,71,100.00 | |
| 6 | Laboratory Studies | | | | | | | | |
| 7 | Geochemical Analysis (BH samples) | | | | | | | | |
| a | XRF (major oxides) | per sample | 4.1.15a | 4,200.00 | 20 | 84,000.00 | 20 | 84,000.00 | |
| b | Check samples for XRF | per sample | | 4,200.00 | 2 | 8,400.00 | 2 | 8,400.00 | |
| c | ICPMS (34 elements) | per sample | 4.1.14 | 7,731.00 | 300 | 23,19,300.00 | 300 | 23,19,300.00 | |
| d | Analysis for gold by fire assay technique | per sample | 4.1.5a | 2,380.00 | 40 | 95,200.00 | 40 | 95,200.00 | |




| | | | | | | | | | |
|----------|--|---------------|--------|--|-----|-----------------------|--|-----------------------|---|
| e | Check samples | per sample | 4.1.5a | 2,380.00 | 4 | 9,520.00 | 4 | 9,520.00 | |
| f | XRD | per sample | 4.5.1 | 4,000.00 | 5 | 20,000.00 | 5 | 20,000.00 | |
| g | EPMA | per hour | 4.4.1 | 8,540.00 | 10 | 85,400.00 | 10 | 85,400.00 | |
| h | Sampler man-days | per day | 1.5.2 | 5,100.00 | 48 | 2,44,800.00 | 48 | 2,44,800.00 | |
| i | Labor (4 workers per sampler) | per labor day | 5.7 | 526.00 | 192 | 1,00,992.00 | 192 | 1,00,992.00 | Amount will be reimburse as per the notified rates by the Central Labor Comission or respective State Govt. whichever is higher |
| | Sub-Total 6 | | | | | 29,67,612.00 | | 29,67,612.00 | |
| 7 | Petrological studies (After Review) | | | | | | | | |
| a | Thin polished section preparation | per sample | 4.3.1 | 1,549.00 | 100 | 1,54,900.00 | 100 | 1,54,900.00 | |
| b | Microscopic study | per sample | 4.3.4 | 4,232.00 | 100 | 4,23,200.00 | 100 | 4,23,200.00 | |
| | Sub-Total 7 | | | | | 5,78,100.00 | | 5,78,100.00 | |
| | Total (Sub-Total 1-7) | | | | | 2,56,09,809.50 | | 2,62,41,508.50 | |
| | | | | | | | | | |
| 8 | Preparation of Exploration Proposal (5 Hard copies with a soft copy) | Lumpsum | 5.1 | 2% of the cost subject to a maximum of 5 lakhs | 1 | 5,00,000.00 | 2% of the cost subject to a maximum of 5 lakhs | 5,00,000.00 | This amount will be reimbursed after submission of the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCCNMET in its meeting while clearing the proposal. |

| | | | | | | | | | |
|------------------------------------|--|--|-----------|--|---|-----------------------|--|-----------------------|--|
| 9 | Geological Report Preparation | 3% of project cost or 7.5 lakh whichever is higher | 5.2 | For the projects having cost exceeding 150 lakhs but less than 300 lakhs-A minimum of 7.5 lakhs or 3% of the value of work whichever is more | 1 | 7,68,294.29 | For the projects having cost exceeding 150 lakhs but less than 300 lakhs-A minimum of 7.5 lakhs or 3% of the value of work whichever is more | 7,87,245.26 | Final report submission, peer review and project conclusion |
| 10 | Report Peer Review | Lump sum | As per EC | 30,000.00 | 1 | 30,000.00 | 30,000.00 | 30,000.00 | |
| Project Cost without GST | | | | | | 2,69,08,103.79 | | 2,75,58,753.76 | |
| 18% GST | | | | | | 48,43,458.68 | | 49,60,575.68 | GST will be reimbursed as per actual and as per the applicable notified rate |
| Total Project Cost (Rupees) | | | | | | 3,17,51,562.47 | | 3,25,19,329.43 | |
| <i>or Say Rs. In Lakhs</i> | | | | | | 317.52 | | 325.19 | |
| Note: | | | | | | | | | |
| 1 | Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21. | | | | | | | | |
| 2 | In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement. | | | | | | | | |
| 3 | If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In | | | | | | | | |
| 4 | Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities. | | | | | | | | |
| 5 | Any item of work not mentioned above shall be added as per SoC. | | | | | | | | |
| 6 | All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency. | | | | | | | | |




**Agenda 24.2.13 Reconnaissance Survey (G-4) for REE in the Goma River Basin,
Dahod, Chhota Udaipur and Panchmahal Districts, Gujarat.
[Implementing Agency: M/s Geovale Services Private Limited]**

- a) The project was recommended in 6th TCC-II meeting held on 27th, 28th February and 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 13th March 2025 for scheduled timeline of 12 months up to 12th March 2026 with an approved cost was ₹256.49 Lakh.
- b) The agency informed that geological mapping over an area of 314 sq. km has been completed on a 1:12,500 scale. The agency requested replacement of Auger drilling with Diamond core drilling for avoiding contaminations, additional quantum for Heavy Liquid Separation and microscopic study/mineragraphic study. Further, a timeline extension of 6 months, up to 31st August 2026, has been requested.
- c) The agency also requested approval of additional quantum of resistivity profiling to identify colluvium thickness properly and GPR survey to enhance coverage and have more intense 3D visualization of the suspected potential zones.
- d) The TCC-II agreed & recommended modifications in approved quantum of work for replacing Auger drill by Diamond Core Drill, additional samples for Heavy Liquid Separation followed by microscopic study/ mineragraphic study for quantitative mineralogy of heavies to estimate monazite, xenotime and other heavy mineral contents if any & timeline extension, approval of additional geophysical component for approval of PSC.
- e) Revised cost of the project was evaluated and the same was recommended by the committee for approval of PSC.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for “revised cost of ₹ 278.29 lakh against approved cost of ₹ 256.49 lakh, due to replacing Auger drill by Diamond Core Drill, additional samples for Heavy Liquid Separation and mineralogical estimation of heavies through modal analysis, enhancement of geophysical components and timeline extension of 6 months, up to 31st August 2026”. Annexure 8.

Revised Estimated Cost for Reconnaissance Survey (G-4) for REE in Goma River Basin, Dahod- Chota Udaipur and Pachmahal districts, Gujarat
Total Area - 314 sq. km; Auger Drilling: 500m; Completion Time - 12 Months; Review after 4 months;
Agency – M/s Geovale Services Pvt. Ltd.

| S.No. | Item of work | Unit | Rates as per NMET SoC | | Approved Cost of the Proposal | | Revised Cost of the Proposal | | | Remarks |
|-------|--|-----------------------|-----------------------|------------------|-------------------------------|---------------------|------------------------------|----------|---------------------|---------|
| | | | SoC-Item - SI No. | Rates as per SOC | Quantum | Total Amount (Rs) | Rates as per SOC | Quantum | Total Amount (Rs) | |
| 1 | Geological Work | | | | | | | | | |
| A | Geological Mapping (1:12,500) & sampling | | | | | | | | | |
| a | Geologists (HQ) days (1 No) | One geologist per day | 1.2 | 9,000.00 | 60 | 5,40,000.00 | 9,000.00 | 60 | 5,40,000.00 | |
| b | Geologist field-days (2 No. geologists) | One geologist per day | 1.2 | 11,000.00 | 240 | 26,40,000.00 | 11,000.00 | 240 | 26,40,000.00 | |
| c | Labor (Field days) (2 workers per geologist) | per labor day | 5.7 | 526.00 | 480 | 2,52,480.00 | 526.00 | 480 | 2,52,480.00 | |
| | Sub-Total 1 | | | | | 34,32,480.00 | | | 34,32,480.00 | |
| 2 | Remote Sensing | | | | | | | | | |
| a | Geologists Mandays for Multispectral and DEM data analysis | One geologist per day | 1.2 | 9,000.00 | 0 | - | 9,000.00 | 0 | - | |
| | Sub-Total 2 | | | | | - | | 0 | - | |
| 3 | Geological Work | | | | | | | | | |
| a | Pitting (50 nos.) 50 samples | per cu.m | 2.1.2 | 3,800.00 | 400 | 15,20,000.00 | 3,800.00 | 400 | 15,20,000.00 | |
| | Geochemical analysis (200 SSS+50 Pit samples) | | | | | | | | | |




| | | | | | | | | | | |
|---|--|----------------------|---------|-----------|-----|---------------------|-----------|-----|---------------------|---------------|
| a | Heavy Liquid Separation | per sample | 4.3.6a | 2,380.00 | 200 | 4,76,000.00 | 2,380.00 | 300 | 7,14,000.00 | |
| b | Gravity and magnetic Separation | per sample | 4.3.6b | 13,820.00 | 200 | 27,64,000.00 | 13,820.00 | 100 | 13,82,000.00 | |
| c | XRF (major oxides) | per sample | 4.1.15a | 4,200.00 | 50 | 2,10,000.00 | 4,200.00 | 50 | 2,10,000.00 | |
| d | Check samples for XRF | per sample | 4.1.15a | 4,200.00 | 5 | 21,000.00 | 4,200.00 | 5 | 21,000.00 | |
| e | ICPMS (34 elements) | per sample | 4.1.14 | 7,731.00 | 300 | 23,19,300.00 | 7,731.00 | 300 | 23,19,300.00 | |
| f | XRD | per sample | 4.5.1 | 4,000.00 | 20 | 80,000.00 | 4,000.00 | 20 | 80,000.00 | |
| | Sub-Total 3 | | | | | 73,90,300.00 | | | 62,46,300.00 | |
| 4 | Petrological studies | | | | | | | | | |
| a | Thin section preparation | per sample | 4.3.4 | 2,353.00 | 30 | 70,590.00 | 2,353.00 | 30 | 70,590.00 | |
| b | Microscopic study/ Mineragraphic study | per sample | 4.3.4 | 4,232.00 | 30 | 1,26,960.00 | 4,232.00 | 80 | 3,38,560.00 | |
| c | Digital photomicrograph of thin polished section | per sample | 4.3.7 | 280.00 | 30 | 8,400.00 | 280.00 | 30 | 8,400.00 | |
| d | Sampler man-days | one sampler per day | 1.5.2 | 5,100.00 | 97 | 4,94,700.00 | 5,100.00 | 97 | 4,94,700.00 | |
| e | Labor (Field days) (4 workers per sampler) | per labor day | 5.7 | 526.00 | 388 | 2,04,088.00 | 526.00 | 388 | 2,04,088.00 | |
| | Sub-Total 4 | | | | | 9,04,738.00 | | | 11,16,338.00 | |
| 5 | Geophysics (after review of geochemical data) | | | | | | | | | |
| a | Resistivity Profiling (Station interval 200m.) | per line km | 3.6a | 58,880.00 | 10 | 5,88,800.00 | 58,880.00 | 18 | 10,59,840.00 | |
| b | GPR Survey | per line km | 3.17 | 30,000.00 | 10 | 3,00,000.00 | 73,536.75 | 14 | 10,29,514.50 | as per Actual |
| c | Expert Charges for Geophysicist (Field) | Geophysicist per day | 3.18 | 9,000.00 | 30 | 2,70,000.00 | 9,000.00 | 30 | 2,70,000.00 | |
| | Sub-Total 5 | | | | | 11,58,800.00 | | | 23,59,354.50 | |

| | | | | | | | | | | |
|----|---|------------|----------|----------|------|---------------------|----------|------|---------------------|--|
| 6 | Auger Drilling (In house) | | | | | | | | | |
| a | Augur Drilling In -house (50-60 Boreholes) 500m | per meter | 2.2.2 | 4,760.00 | 500 | 23,80,000.00 | 4,760.00 | 0 | - | Instead of Auger drilling, core drilling of soft rock is requested to avoid contamination of placer samples while drilling |
| aa | Drilling in Soft rock/Strata (MoC Rate) ((In -house) | per meter | 2.2.1.1b | | | | 7,168.00 | 500 | 35,84,000.00 | Drilling in soft rock(50-60 Boreholes) 500m |
| b | Land / Crop Compensation | per BH | 5.6 | 20000 | 30 | 6,00,000.00 | 20000 | 30 | 6,00,000.00 | |
| c | Transportation of Drill Rig & Truck associated per drill (1 rig)-Two way; 1900*2=3800km | km | 2.2.8 | 36 | 3800 | 1,36,800.00 | 36 | 3800 | 1,36,800.00 | |
| d | Monthly Accomodation Charges for drilling Camp | month | 2.2.9 | 50000 | 4 | 2,00,000.00 | 50000 | 4 | 2,00,000.00 | |
| e | Drilling Camp Setting Cost | Nos | 2.2.9a | 250000 | 1 | 2,50,000.00 | 250000 | 1 | 2,50,000.00 | |
| f | Drilling Camp Winding up Cost | Nos | 2.2.9b | 250000 | 1 | 2,50,000.00 | 250000 | 1 | 2,50,000.00 | |
| | Sub-Total 6 | | | | | 38,16,800.00 | | | 50,20,800.00 | |
| 7 | Laboratory Studies | | | | | | | | | |
| | Geochemical Investigation | | | | | | | | | |
| a | Heavy Liquid Separation | per sample | 4.3.6a | 2,380.00 | 200 | 4,76,000.00 | 2,380.00 | 300 | 7,14,000.00 | |
| b | XRF (major oxides) | per sample | 4.1.15a | 4,200.00 | 50 | 2,10,000.00 | 4,200.00 | 50 | 2,10,000.00 | |
| c | Check samples for XRF | per sample | 4.1.15a | 4,200.00 | 5 | 21,000.00 | 4,200.00 | 5 | 21,000.00 | |

| | | | | | | | | | | |
|----|---|---------------|--------|--|-----|-----------------------|--|-----|-----------------------|--|
| d | ICPMS (34 elements) | per sample | 4.1.14 | 7,731.00 | 300 | 23,19,300.00 | 7,731.00 | 300 | 23,19,300.00 | |
| e | XRD | per sample | 4.5.1 | 4,000.00 | 10 | 40,000.00 | 4,000.00 | 10 | 40,000.00 | |
| | Sub-Total 7 | | | | | 30,66,300.00 | | | 33,04,300.00 | |
| 8 | Petrological Studies | | | | | | | | | |
| a | Thin Section Preparation | per sample | 4.3.1 | 2353 | 30 | 70,590.00 | 2353 | 30 | 70,590.00 | |
| b | Microscopic Study/Mineragraphic Study | per sample | 4.3.4 | 4232 | 30 | 1,26,960.00 | 4232 | 30 | 1,26,960.00 | |
| c | Digital photomicrograph of thin polished section | per sample | 4.3.7 | 280.00 | 30 | 8,400.00 | 280.00 | 30 | 8,400.00 | |
| d | SEM- EDX | per hour | 4.4.2 | 2940 | 20 | 58,800.00 | 2940 | 20 | 58,800.00 | |
| e | Sampler man-days | per day | 1.5.2 | 5100 | 71 | 3,62,100.00 | 5100 | 85 | 4,33,500.00 | |
| f | Labor (4 workers per sampler) | per labor day | 5.7 | 526 | 284 | 1,49,384.00 | 526 | 340 | 1,78,840.00 | |
| | Sub-Total 8 | | | | | 7,76,234.00 | | | 8,77,090.00 | |
| | Total (Sub Total 1-8) | | | | | 2,05,45,652.00 | | | 2,23,56,662.50 | |
| 9 | Preparation of Exploration Proposal (5 Hard copies with a soft copy) | Lumpsum | 5.1 | 2% of the cost subject to a maximum of 5 lakhs | | 4,10,913.04 | 2% of the cost subject to a maximum of 5 lakhs | | 4,47,133.25 | |
| 10 | Final report preparation | Lumpsum | 5.2 | For the projects having cost exceeding 150 lakhs but less than 300 lakhs-A minimum of 7.5 lakhs or 3% of the value of work whichever is more | | 7,50,000.00 | For the projects having cost exceeding 150 lakhs but less than 300 lakhs-A minimum of 7.5 lakhs or 3% of the value of work whichever is more | | 7,50,000.00 | |




| | | | | | | | | | | |
|---------------------------------------|--|----------|-----------|----------------------------|---|----------------|-----------|---|----------------|--|
| 11 | Report Peer Review | Lump sum | As per EC | 30,000.00 | 1 | 30,000.00 | 30,000.00 | 1 | 30,000.00 | |
| Total Project Cost (Without GST) | | | | | | 2,17,36,565.04 | | | 2,35,83,795.75 | |
| 18% GST | | | | | | 39,12,581.71 | | | 42,45,083.24 | |
| Total Estimated Cost with GST(Rupees) | | | | | | 2,56,49,146.75 | | | 2,78,28,878.99 | |
| | | | | or Say Rs. In Lakhs | | 256.49 | | | 278.29 | |
| Note: | | | | | | | | | | |
| 1 | Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21. | | | | | | | | | |
| 2 | In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement. | | | | | | | | | |
| 3 | If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMEDT SoC and Item no. 6 of NMEDT SoC. In | | | | | | | | | |
| 4 | Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities. | | | | | | | | | |
| 5 | Any item of work not mentioned above shall be added as per SoC. | | | | | | | | | |
| 6 | All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency. | | | | | | | | | |




Agenda 24.2.14 Reconnaissance survey (G4) for Basemetal in Chupra-Khet, Kuta area, Pithoragarh District, Uttarakhand.

[Implementing Agency: M/s Geovale Services Private Limited]

- a) The project was recommended in 6th TCC-II meeting held on 27th, 28th February and 6th March 2025 and approved in the 41st EC Meeting held on 11th March 2025. The sanction order was issued on 26.5.2025 for scheduled timeline of 14 months up to 25.7.2026 with an approved cost was ₹490.67 Lakh.
- b) The agency informed that geological mapping over an area of 66 sq. km has been completed on a 1:12,500 scale. Four potential zones have been identified and accordingly 4 boreholes of 150m depth for each have been proposed. Further, a timeline extension of 4 months, up to 30th November 2026, has been requested.
- c) The TCC-II agreed for commencement of drilling in 2 boreholes, one in zone 1 and one in zone 3 at 50m vertical depth.

Recommendation TCC-II

The committee recommended the proposal for approval of PSC for timeline extension of 6 months up to 30th November 2026. The committee agreed for commencement of drilling in 2 boreholes in zone 1 and zone 3 at 50m vertical depth.

24.3 Project Evaluation for In-Principle Approval

Agenda 24.3.1 Preliminary Exploration (G3) for Graphite and associated minerals in Pitapool block, Lower Subansiri district, Arunachal Pradesh (5.0 sq. km).

[Implementing Agency: M/s Eartnenviro Lab Private Limited]

- a) The proposed preliminary Exploration (G3) of 5 sq. km. area, falls in Survey of India Toposheet number 83E/15 in parts of Lower Subansiri District, Arunachal Pradesh. The proposal was discussed as G4 item of 54 sq. km for the same commodity in 8th TCC-II where it was deferred due to overlap with GSI G4 block and TCC-II advised that the proposal may be submitted excluding the overlapping areas.
- b)

| Sl. No. | Agency | Comments |
|---------|--------|--|
| 1 | DGM | No ongoing exploration, composite license, or mining lease granted within the proposed block. |
| 2 | GSI | The proposed NMEDT block overlaps partially with earlier exploration blocks of GSI (Base Metal, FS 1977-78 and G4 Gold block, FS 2015-16). Currently no exploration/ reconnaissance projects related to graphite in the proposed area. |
| 3 | MECL | No overlap with MECL explored and ongoing blocks. |
| 4 | AMD | AMD has not carried out any reconnaissance or exploration in the proposed block, has no ongoing project. |
| 5. | NMEDT | No completed or ongoing NMEDT-funded projects in and around the proposed block |

- c) The committee opined that G3 proposal is not justifiable since for G3 exploration project, demarcation of probable mineralized zone is required for targeting through drilling. The committee further opined that the direct G3 proposal should be based on merit and justification to be provided for the proposal.
- d) The committee advised the agency for consulting GSI's G4 report, delineate graphite band/occurrences, as evidences of mineralisation. Revise & update the proposal for G4 stage exploration with adequate background information. Incorporate all data/information available in Geological report of GSI of this area for the proposed commodity.

Recommendation TCC-II

The committee did not agree for in-principle-approval of the proposal. For a G3 stage of exploration project, demarcation of probable mineralized zone is required for targeting through drilling.

Agenda 24.3.2 Preliminary Exploration (G3) for Ni, Cr, Co, PGE and associated minerals in Pushing Block, Manipur (30 sq. km).

[Implementing Agency: M/s Eartnenviro Lab Private Limited]

- a) The proposed preliminary Exploration (G3) of 30 sq. km. area, falls in Survey of India Toposheet number 83K/8 in parts of Pushing Block, Manipur. Earlier, this proposal was discussed as G4 item of 38 sq. km for the same commodity in 8th TCC-II meeting, where it was deferred due to overlap with GSI's G4 block and slight overlap with DGM's area. Subsequently, TCC-II advised that the proposal may be submitted excluding the overlapping areas. During the 8th TCC-II meeting, the committee did not agree for the proposal.
- b) The TCC-II opined that the Project has been framed inadequately without establishment of mineralised body/occurrences. Also, the area coverage in G3 stage exploration proposal is too large (30 sq. km) particularly for irregular/lensoidal/inconsistent type of mineralisation.

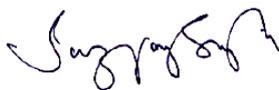
Recommendation TCC-II

The committee did not agree for in-principle-approval of the proposal due to insufficient evidence establishing the presence of a mineralized body or its occurrences. Additionally, the proposed 30 sq. km area for G3-level exploration was considered excessively large.

Agenda 24.3.3 Preliminary Exploration (G3) for Limestone and associated Minerals, Shnongrim block, East Jaintia Hill, Meghalaya (3.21 sq. km).

[Implementing Agency: M/s Eartnenviro Lab Private Limited]

- a) The proposed exploration block of 3.21 sq. km. area, falls in Survey of India Toposheet number 83C/11 in parts of East Jaintia Hill, Meghalaya. This project was proposed in 8th TCC-II as G4. The TCC-II advised that fresh proposal may be



submitted for in- principle approval, excluding the overlapping areas which were already explored.

- b) The TCC-II opined that Endorsement of State Government required (particularly in context of industrial demand in area, and the envisaged scope for auction of blocks) for taking projects on limestone.
- c) The committee observed that GSI comments indicate almost complete overlap with already completed five G3 blocks of Limestone by GSI where resources have been estimated.

Recommendation TCC-II

The committee did not agree for in-principle-approval of the proposal since the proposed block showed complete overlap with already completed five G3 blocks by GSI, where resources have been estimated.

Agenda 24.3.4 Preliminary Exploration (G3) for Bauxite in the Lalpursani Block, Tehsil – Bajag, District – Dindori, Madhya Pradesh.

[Implementing Agency: M/s S and S Geological Consultants]

- a) The proposed preliminary Exploration (G3) of 4 sq. km. area, falls in Survey of India Toposheet number 64F/6 in parts of Dindori District, Madhya Pradesh.
- b) The table containing the comments is given below

| Sl. No. | Agency | Comments |
|---------|--------|--|
| 1 | GSI | A G-4 reconnaissance survey for bauxite and aluminous laterite FS 2022-23 stage was carried out around Vikrampur Mal, Dhanoli Mal, Gorkahpur Mal and Mohtara in Dindori district. A total of 65 bedrock samples and 50 pitting/trenching samples were collected along with petrological, petrochemical and XRD samples. Geochemical analysis shows that the samples fall within the bauxite and ferritic bauxite fields, indicating moderate to strong lateritization. The bauxites are enriched in trace elements such as Zr, V, Nb, Ta and Ga, with Al ₂ O ₃ values ranging from 35.73–60.38% in bauxite and 20.93–49.15% in aluminous laterite, suggesting favourable bauxite mineralization. |
| 2 | MECL | The proposed block is not overlapping with MECL explored block and ongoing blocks. |
| 3 | DGM | Not Available. |
| 4 | NMEDT | There are no completed or ongoing NMEDT-funded projects in and around the proposed block. |

- c) The committee observed that the proposed Lalpursani Block lies within the bauxite-bearing terrain of the Amarkantak Plateau in Hinduri District, Madhya Pradesh, and exhibits favorable geological, geomorphological and geochemical characteristics for bauxite and associated mineralization.
- d) As per the comments of GSI, the proposed block has been carved out from the GSI's previous G4 exploration area of FS 2022-23 for Bauxite suggesting favourable bauxite mineralization.
- e) The TCC-II agreed for in-principle-approval of the proposal.

Recommendation TCC-II

The committee accorded in-principle-approval to the proposal based on the favourable bauxite mineralization as suggested in GSI's G4 exploration of FS 2022-23.

Agenda 24.3.5 Reconnaissance Survey (G-4 Stage) for Critical & Strategic Minerals and Associated Mineralization in Kornas-Almas Block, Bhilwara District, Rajasthan.

[Implementing Agency: M/s Vibrant Techno Lab Private Limited]

- a) The proposed reconnaissance Survey (G4) of 25.66 sq. km. area, falls in Survey of India Toposheet number 45K/6 in parts of Bhilwara District, Rajasthan.
- b) As per the comments of GSI, they have done G4 stage exploration work in the adjacent Bhagwanpura area during FS 2014-15 and the results are not encouraging.
- c) The committee observed that based on the analytical results of the samples submitted by NPEA, no significant enrichment of critical, strategic, or associated minerals had been established in the proposed Kornas-Almas block. Eight samples collected by Vibrant Techno Lab Pvt. Ltd. (October 2025) show moderate REE enrichment compared to upper crustal averages (Rudnick & Gao, 2003), with La ranging from 34.10–72.82 ppm, Ce 73.00–134.57 ppm, Nd 32.04–59.29 ppm, Sm 5.81–10.61 ppm, and heavy REEs showing locally elevated values; however, these concentrations were not indicative of economically significant mineralization. Other elements such as Y (59.54–368.09 ppm), Nb (19–59 ppm), Ta (1.05–2.31 ppm), Be (2.32–4.25 ppm), Hf (6.02–8.98 ppm), Ba (1118–1826 ppm), Zr (203–358 ppm), Rb (94–194 ppm), and Cr (125–222 ppm) also show only moderate enrichment. The committee opined that based on observations the area is not promising for further exploration.
- d) The TCC-II did not agree for in-principle-approval of the proposal.

Recommendation TCC-II

The committee did not agree for in-principle-approval of the proposal since based on the analytical results of the samples submitted by the agency, no significant enrichment of critical, strategic, or associated minerals had been established in the proposed area.

Agenda 24.3.6 Reconnaissance survey of base metal and associated minerals in Kalsans- Taswariya Bhilwara district Rajasthan.

[Implementing Agency: M/s Enkay Enviro Services Private Limited,]

- a) The proposed reconnaissance Survey (G4) of 25.1 sq. km. area, falls in Survey of India Toposheet number 45 k/11 in parts of Bhilwara District, Rajasthan. This project proposal was discussed in 23rd TCC-II and deferred due to overlapping issue and suggested for modification. The agency presented the block after modification and informed the committee that the block is predominantly covered by migmatite, composite gneiss, calc-silicate, amphibolite, and mica schist rock

types. These are part of the Mangalwar Complex of the Bhilwara Supergroup, which is Archaean in age. The agency highlighted the G4 projects carried out by GSI in FS 2018-19 and FS 2019-20.

- b) The committee observed that the modified block is predominantly covered by fine Aeolian Sand and Silt with occasional Kankar of Quaternary Age.
- c) The TCC-II committee opined that the mineral evidences/occurrence with delineation of host lithology is required and advised the agency to visit the proposed area and collect, analyse some samples by themselves to justify the proposal.

Recommendation TCC-II

The committee did not agree for in-principle-approval of the proposal as the mineral evidences/occurrence with delineation of host lithology was required in proposed block which was predominantly covered by fine Aeolian Sand and Silt with occasional Kankar of Quaternary Age. The committee advised the agency to visit the proposed area and collect, analyse some samples by themselves to justify the proposal.

Agenda 24.3.8 Preliminary Exploration (G3) for Limestone in Kebang Block, Siang district, Arunachal Pradesh.

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed preliminary Exploration (G3) of 14.84 sq. km. area, falls in Survey of India Toposheet number 82P/4 in parts of Siang District, Arunachal Pradesh. This project was discussed in 12th TCC-II and DGM consent was needed for approval of the project.
- b) The agency informed the committee that State Government has given endorsement for the proposed exploration activity. Further, they have visited the field and collected some samples.
- c) The DGM, Arunachal Pradesh informed that there is currently no limestone production in the State. However, significant quantities of limestone-based cement will be required for ongoing and upcoming hydropower and infrastructure projects. Developers, including NHPC Limited and the Etalin Hydropower Project, have projected limestone requirements exceeding 61 lakh MT. Therefore, exploration and development of local limestone resources is essential to meet future demand and avoid delays and high transportation costs.
- d) The TCC-II agreed for in-principle-approval of the proposal.

Recommendation TCC-II

The committee accorded in-principle-approval to the proposal based on the endorsement of the state DGM.

Agenda 24.3.9 Preliminary Exploration (G3) for Limestone in Babuk Block, Siang District, Arunachal Pradesh

[Implementing Agency: M/s Maheshwari Mining Private Limited (MMPL)]

- a) The proposed preliminary Exploration (G3) of 16.45 sq. km. area, falls in Survey of India Toposheet number 82P/4 in parts of Siang District, Arunachal Pradesh. This project was discussed in 12th TCC-II and DGM consent was needed for approval of the project.

- b) MMPL informed that State Government has given endorsement for the proposed exploration activity. Further, they have visited the field and collected some samples.
- c) The committee observed that the Kebang block and the Babuk blocks are close to each other. The Babuk block may be taken up after the results of the Kebang Block are available.
- d) The TCC-II deferred the proposal till results of the Kebang Block are available

Recommendation TCC-II

The committee deferred the in-principle-approval of the proposal till results of the Kebang Block are available as Babuk and Kebang blocks are close to each other.

Agenda 24.3.10 Reconnaissance survey (G4) for Vanadium bearing Titaniferous Aluminous Laterite in Bilalpur block, Sangareddy District, Telangana.

[Implementing Agency: M/s GMMCO Technology Services Limited]

- a) The proposed reconnaissance survey (G4) of 74 sq. km. area, falls in Survey of India Toposheet number 56G/10 in parts of Sangareddy District, Telangana.
- b) The table containing the comments is given below:

| Sl. No. | Agency | Comments |
|---------|--------|--|
| 1 | DGM | No previous or ongoing reconnaissance/exploration work, departmental exploration, or existing mining/quarry lease has been reported within the proposed area. |
| 2 | GSI | GSI, SU: Telangana has proposed a CMAP project Manyarpalli block which has been approved for FS 2026-27 and falls in the southeastern portion and the overlapped area is 23.32 sq.km. out of the total 74 sq.km area of Bilalpur block. |
| 3 | MECL | The block proposed is not overlapping with explored block and ongoing blocks. |
| 4 | AMD | AMD has not carried out any exploration or reconnaissance work in the proposed block, and there is currently no ongoing project; moreover, the organization does not possess any baseline or exploration data for the concerned commodity in the area. |
| 5 | NMEDT | There are no completed or ongoing NMEDT-funded projects in the proposed block. |

- c) The agency informed the committee that the block is underlain predominantly by Deccan Trap basaltic rocks of Late Cretaceous-Early Paleogene age. Prolonged sub-aerial exposure under tropical climatic conditions has led to intense lateralization of the basaltic protolith. The agency referred the G4 work of GSI FS 2022-23 where the results showed significant enrichment of Al₂O₃, 18.18% to 34.63% along with notable Fe₂O₃, 14.56% to 37.24%, TiO₂, 1.15% to 8.55%.

- d) The agency has collected five samples in the proposed area and their handheld XRF results show Al₂O₃ values from 20.9% to 35.4%, Titanium – 0.79% to 1.87% and Vanadium - 480.63 to 1074 ppm.
- e) The committee observed that the NW part is predominantly covered by basalt and advised exclusion of this area as well as overlapping GSI area from the proposed area. The area may be extended in the northern part. The committee advised NMEDT secretariat to share the coordinates of the GSI block area to agency for removal of overlapped part.

Recommendation TCC-II

The committee accorded in-principle-approval to the proposal based on the presence of significant values of Al₂O₃, Titanium and Vanadium in referenced GSI's G4 work and hand held XRF results of samples collected by the agency.

Agenda 24.3.11 Preliminary exploration (G3) for Limestone in Adividevulapalli Block (5 Sq. Km), Nalgonda District, Telangana.

[Implementing Agency: M/s GMMCO Technology Services Limited]

- a) The proposed preliminary exploration (G3) of 5 sq. km. area, falls in Survey of India Toposheet number 56P/10 in parts of Nalgonda District, Telangana.
- b) The table containing the comments is given below:

| Sl. No. | Agency | Comments |
|---------|--------|---|
| 1 | DGM | No previous or ongoing reconnaissance/exploration work, departmental exploration, or existing mining/quarry lease has been reported within the proposed area. |
| 2 | GSI | Proposed block falls within the G4 stage exploration block carried out by GSI during FS 2013-14 and also falls within the Kotta- Ambapuram and Wazirabad Diamond Block (G4) which will be taken up in FS 2026-27. The G4 stage exploration carried out by GSI delineated massive limestone having cement grade. |
| 3 | MECL | Not available. |
| 4 | NMEDT | No ongoing and completed projects overlap with the proposed block. |

- c) The proposed block comprises of Margi Limestone forms part of the Narji Formation of the Kurnool Group, developed in the Palnad Sub-Basin of the Cuddapah Basin. Thick, massive, compact and grey to bluish grey limestone. The Narji Limestone Formation (45-60 m thickness).
- d) The agency informed the committee that the investigations by GSI FS 2013-14 indicate the presence of cement-grade limestone with favourable chemical composition (Average CaO: 46.43%, SiO₂: 12.83%, MgO: 0.28-0.89%).
- e) The TCC-II opined that endorsement of State government required (particularly in context of industrial demand in area, and the envisaged scope for auction of blocks) for taking projects on limestone.

Recommendation TCC-II

The committee did not agree for in-principle-approval of the proposal. Endorsement of State government required for taking projects on limestone.

**Agenda 24.3.12 Reconnaissance Survey (G4) for Vanadium bearing Titaniferous Magnetite Ore in Ubrani Block, Shimoga District, Karnataka.
[Implementing Agency: M/s Geovale Services Private Limited]**

- a) The proposed reconnaissance Survey (G4) of 129 sq. km. area, falls in Survey of India Toposheet number 480/13 in parts of Shimoga District, Karnataka.
- b) The table containing the comments is given below:

| Sl. No. | Agency | Brief Comments |
|----------------|---------------|--|
| 1 | DGM | The area was earlier explored by DMG, Karnataka (1971-72) for vanadium-bearing titaniferous magnetite, indicating 0.53% V ₂ O ₅ with estimated reserves of 3.6 Mt. Presently, G3 exploration at Ubrani (8.93 ha) for Fe-Ti-V-Cu-PGE by DMG partially overlaps the proposed block but is under suspension due to local agitation. About 60.65 sq. km falls within Reserved Forest, and minor overlaps exist with M-sand applications and a proposed EL block. |
| 2 | GSI | No exploration or reconnaissance work is currently ongoing in the proposed area. However, an Exploration License (EL) block for PGE, Titanium and Vanadium in the Magyathahalli and Virapur areas, covering parts of Chikkamagaluru and Davanagere districts, Karnataka, has been submitted to the Ministry of Mines for auction in 2026 in the 3 rd Tranche |
| 3 | MECL | The proposed block is not overlapping with MECL explored block and ongoing Blocks. |
| 4 | AMD | No exploration or reconnaissance work in the proposed block, and there is currently no ongoing project; |
| 5 | NMEDT | No ongoing and completed projects overlap with the proposed block. |

- c) The agency informed the committee that this area belongs to lowermost section of the Neoproterozoic Shimoga Schist Belt (Greenstone belt) in the Western Dharwar Craton. Stratigraphically it is younger than PGC and equivalent to Chitradurga, Gadag and Sandur Schist Belts. Proposed area is a part of Channagiri Mafic-Ultramafic Complex (CMUC).
- d) The agency informed the committee that Exploratory drilling by GSI (1977-79) in the adjacent Masanikere-Tavarekere area intersected ~40 m thick magnetite bands with estimated reserves of ~15.73 Mt up to 200 m depth and average grades of Fe ~41%, TiO₂ ~8% and V₂O₅ ~0.7%. Similar NE-trending pyroxenite/gabbro hosted magnetite bands continue into the proposed block. Earlier work by DMG Karnataka (1973) also reported ~0.53% V₂O₅.
- e) The committee observed that the proposed block overlap with EL block submitted by GSI. The committee advised the agency to modify area as per status of EL in that area. The committee advised the NMEDT secretariat to get the status of EL block from M-IV Section of the Ministry of Mines.
- f) The committee agree for the In-principle approval subject to modification of area as per status of EL submitted block.

Recommendation TCC-II

The committee accorded in-principle-approval to the proposal subject to modification of the area as per status of submitted EL block.

Additional Agenda

24.2 Review of Ongoing Projects/ Completed Project & Timeline Extension

Agenda 24.2.15 Preliminary Exploration (G3) for Potash in Lakhasar East Extension Block (9.50 Sq.km), Lakhasar Sub Basin, north western part of Rajasthan, District- Bikaner, Rajasthan

[Implementing Agency: Mineral Exploration & Consultancy Ltd.]

- a. MECL informed that the project was approved in the 38th EC Meeting held on 29th November, 2024. The Sanction Order was issued on 13th December, 2024 with timeline of 15 months (up to 12.03.2026) and approved cost was Rs. 16,16,51,105/-
- b. A total of 10,500 m of drilling across 15 Boreholes, each of depth up to 700 m was approved.
- c. MECL informed that drilling has been successfully completed in 7 boreholes (BHs), 1 BH was prematurely closed due to unavoidable geological conditions, drilling is currently ongoing in 2 BHs, and the remaining boreholes are yet to be taken up.
- d. MECL also informed that the area exhibits highly challenging geological formations prone to frequent jamming and fishing operations. Continuous cleaning is required to prevent borehole collapse, resulting in an average borehole completion time exceeding 60 days per hole.
- e. The committee was also apprised that distinct types of drill rigs were required — one for non-coring operations (up to 260-280m depth) and another for coring (beyond 280m till final depth), hence dual rigs are deployed.
- f. Geophysical Probe Logging (GPL) operations require an average of two or more days per borehole due to extensive washing and cleaning necessitated by the collapsing nature of the formations.
- g. MECL requested an extension of six months (up to 12.09.2026) for completion of the work, citing difficult on-site conditions.
- h. The committee deliberated the issue and agree upon timeline extension up to 12.09.2026.

Recommendations of TCC-II

The committee recommended timeline extension of six months up to 12.09.2026, for completion of the work citing difficult on-site conditions and submission of Geological Report, for approval of PSC.



**List of participants attended 24th meeting of Technical-cum-cost Committee (TCC-II) of NMEDT
held on 2nd and 3rd March 2026 through video conferencing mode**

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