

**Ministry of Mines**  
**National Mineral Exploration & Development Trust**  
**Minutes of 18<sup>th</sup> meeting of Technical-cum-Cost Committee - II (TCC - II)**  
**held on 4<sup>th</sup> & 8<sup>th</sup> December 2025**

The 18<sup>th</sup> meeting of Technical-cum-Cost Committee-II (TCC-II) of National Mineral Exploration and Development Trust (NMEDT) was held 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 4<sup>th</sup> & 8<sup>th</sup> December 2025.

Members of TCC-II, NMEDT and representatives from Mineral Exploration and Consultancy Limited (MECL), DTCI Manipur, DGM Arunachal Pradesh, DMR Meghalaya, M/s United Exploration India Private Limited (UEIPL), M/s S and S Geological Consultant. M/s Steiger Geoscience and Engineering Private Limited. M/s Vardan Environet LLP. M/s APC Drilling & Construction Private Limited etc. DGM Assam, M/s Eartnenviro Lab Private Limited. M/s Gemcokarti Private Limited 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 DGM, Notified Exploration Agencies (NEAs) and Notified Private Exploration Agencies (NPEAs). Shri Pradeep Singh informed the TCC-II committee members and all meeting participants that the revised Schedule of Charges (SoC) of NMEDT has been approved by the Hon'ble Secretary, Ministry of Mines, Government of India. The new SoC will come into effect on 15 December 2025.

**18.1 Technical Evaluation of New Project Proposals**

**Agenda 18.1.1 Reconnaissance Survey of Graphite, Vanadium and associated minerals in Bhaluani Kalan area, Palamu District, Jharkhand.**  
**[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]**

- a) The proposed area for reconnaissance Survey (G4), covering 32.70 sq. km, falls within Survey of India Toposheet no. 63P/16, in parts of Palamu District, Jharkhand.
- b) MECL informed that they have collected 7 Bed Rock Samples from the proposed block, which have showed FC percentage ranging from 6.60% to 15.30%. Vanadium (V) value in these samples ranges from 62.42ppm to 913.90ppm. It further informed that the proposed block has been carved out on the basis of various ML's for Graphite blocks in the vicinity of Bhaluani Kalan Block. The blocks namely, Rewaratu, Dulsulma, Lesliganj and Ponchi Graphite blocks (Palamu district) G2 level exploration has been done by DGM Jharkhand and successfully auctioned.
- c) The agency further informed the committee that the  $\sum$ REE+ Sc +Y in and around the proposed block shows values ranging from 189.99 to 945.00 ppm with average value of 666.27 ppm. The Rb values ranging from 77.18 ppm to 244.00 ppm showing average value of 133.31 ppm. The V values ranging from 62.42 to 913.90 ppm showing average value of 303.61 ppm. The values of Zr 107.99 ppm to 1985.00 ppm showing average value of 667.42 ppm and the values of Sr ranging from 38.00 ppm to 305.00 ppm showing average value of 123.22 ppm.
- d) Further, MECL proposed geological mapping (1:12,500 scale), geophysical survey, trenching and scout drilling in the proposed block due to decipher the subsurface continuation of mineralization.
- e) The TCC-II suggested for 20 Line km SP survey and 5 Boreholes in the initial stage after geological mapping.

f) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	It is not working presently within the coordinates of the proposed block.
2	DMG Jharkhand	It has given its approval to the project in the 85th TCC-I meeting.
3	NMEDT	There is no overlap with any ongoing or completed projects funded by NMEDT.
4	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block. There is no ongoing exploration / reconnaissance project. However, AMD has carried out exploration (G4 stage) for uranium just north of the proposed block. Samples assayed up to 0.033% U <sub>3</sub> O <sub>8</sub> and 0.095% ThO <sub>2</sub> . In view of known potentiality of uranium and thorium in the contiguous area, analyses of uranium and thorium may be included in the analyses list.

#### Recommendation TCC-II

***The committee recommended the proposal (As per revised SoC) for approval of PSC for "Reconnaissance Survey of Graphite, Vanadium and associated minerals in Bhaluani Kalan area, Palamu District, Jharkhand" with an estimated cost of ₹ 134.04 Lakh (including GST) within the time schedule of 10 months and submission of the report as per Annexures -2A & B. The item will be reviewed after 5 months.***



**Estimated cost for Reconnaissance Survey (G-4) for Graphite, Vanadium and Associated Minerals in Bhaluani Kalan Block, District: Palamu, Jharkhand. [Block area- 32.70 sq. km; Borehole- 05; Schedule timeline- 10 months, Review after: 05 months]**

S. No.	Item of Work	Unit	Rates as per revised SoC		Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl. No.	Rates as per SoC	Qty.	Amount (Rs.)	
1	Geological mapping (1:12500 scale)		1.1	18,300	33	598,410	18300 per sq.km
2	<b>Survey (on 1:12500 Scale)</b>						
i	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work) - use of CORS Network system for all DGPS is compulsory	Per Point of observation	1.3.2	24,000	5	120,000	05 BH points
3	Charges for one Geologist- Field	day	1.2.1a	14,500	80	1,160,000	
4	Charges for one Geologist - HQ	day	1.2.1a	10,500	30	315,000	
5	2 labours/ party (Rs 541/day/labour) (As per rates of Central Labour Commissioner)	day	5.8	541	160	86,560	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher

6	Sample processing work including marking of samples, core splitting, crushing and powdering of samples, coning and quartering, packing & labeling of samples, preparation of beneficiation samples etc.	day	1.2.1b	7,850	48	376,800	
7	Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.	day	5.8	541	192	103,872	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	<b>Sub Total- A</b>					<b>2,760,642</b>	
<b>B</b>	<b>GEOPHYSICAL SURVEY</b>						
1	SP Surveys (8-20line Km)	Line km	3.3a	62,140	20	1,242,800	
	<b>Sub Total- B</b>					<b>1,242,800</b>	
<b>C</b>	<b>TRENCHING</b>						
1	Trenching	Cu. M.	2.1.1	4125	200	825,000	
	<b>Sub Total- C</b>					<b>825,000</b>	
<b>D</b>	<b>DRILLING</b>						
1	Scout Drilling up to 300m (Hard Rock) (1 rig) HQ Size	m	2.2.1.1d	10,000	325	3,250,000	5 Boreholes
2	Land / Crop Compensation	per BH	5.6	30,000	5	150,000	Amount will be reimbursed as per actuals or max. Rs. 30000 per BH with certification from local authorities
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	5	10,000	

4	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach Road and Drill core preservation		2.2.9 (1)	For drilling cost less than Rs.50 lakhs: 25% of the drilling cost		812,500	
5	Core Preservation: One complete borehole plus mineralised cores of all the remaining Bhs.	m	5.3	1,590	100	159,000	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
<b>Sub Total- D</b>						<b>4,381,500</b>	
<b>E</b>	<b>LABORATORY STUDIES</b>						
<b>1</b>	<b>Chemical Analysis</b>						
<b>i</b>	<b>Primary &amp; Check samples for Graphite</b>						
	Proximate analysis of Graphite	Nos	4.1.18	3,614	200	722,800	Samples-Bedrock: 50, Trench: 100, BH:50
	External (10%) Check samples (Proximate analysis of Graphite)	Nos	4.1.18	3,614	20	72,280	Samples- Bedrock: 5, Trench: 10, BH:5
	(Major oxides (WD XRF)- (oxides+ traces - 24 elements)	Nos.	4.1.17a	4,200	125	525,000	Samples-Bedrock: 25, Trench: 50, BH:50
	External (10%) Check samples ((Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos.	4.1.17a	4,200	13	54,600	
	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)	Nos	4.1.15	7,400	25	185,000	
<b>2</b>	<b>Physical &amp; Petrological Studies</b>						
<b>i</b>	Preparation of thin section	Nos	4.3.1	500	10	5,000	

ii	Complete petrographic study report	Nos	4.3.4	2,800	10	28,000		
iii	Preparation of polished section	Nos	4.3.2	800	10	8,000		
iv	Complete mineragraphic study report	Nos	4.3.4	2,800	10	28,000		
v	Bulk density – Dry / Saturated	Nos	4.8.3	2,500	5	12,500		
vi	RAMAN spectroscopy study per hour	Hrs	4.5.1	2,700	4	10,800		
	<b>Sub Total- E</b>						<b>1,651,980</b>	
	<b>Total A to E</b>						<b>10,861,922</b>	
<b>F</b>	<b>Preparation of Exploration Proposal</b>		<b>5.1</b>	2% of the Cost or Rs. 5 Lakhs whichever is lower		<b>217,238</b>	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.	
<b>G</b>	<b>Peer review Charges</b>		<b>As per EC decision</b>			<b>30,000</b>		
<b>H</b>	<b>Geological Report Preparation (5 Hard copies with a soft copy)</b>	<b>5 Hard copies with a soft copy</b>	<b>5.2 (ii)</b>	Cost per 5 Hard copies of report along with soft copy (These charges shall be paid after the final approved report is uploaded on		<b>250,000</b>	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.	

				NGDR by the agency)			
<b>I</b>	<b>Total Estimated Cost without GST</b>					<b>11,359,160</b>	
<b>J</b>	<b>Provision for GST (18% of H)</b>					<b>2,044,649</b>	GST will be reimbursed as per actual and as per notified prescribed rate
<b>K</b>	<b>Total Estimated Cost with GST</b>					<b>13,403,809</b>	
	<b>Total Cost</b>					<b>134.04 Lakhs</b>	
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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						




**Time Schedule/ Action Plan for Reconnaissance Survey (G-4) for Graphite, Vanadium & Associated Minerals in Bhaluani Kalan,  
Districts: Daltonganj (Palamu), State: Jharkhand [Block area- 32.70 sq. km; Schedule timeline- 10 months]**

SI.	Particulars	Months	1	2	3	4	5	REVIEW	6	7	8	9	10	
1	Camp Setting/ mobilization	Months												
2	Geologist days	days												
3	Geophysicist days	days												
4	Trenching	days												
5	Drilling	m												
6	Sampling days	days												
7	Camp winding	Months												
8	Laboratory Studies	days												
9	Geophysicist days	days												
10	Geologist days, HQ	days												
11	Report Writing with Peer Review	days												

## **18.2 Review of Ongoing Procurement Projects & Timeline Extension**

**Agenda 18.2.1 Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.**

**[Implementing Agency: DTCl Manipur]**

- a) The project was approved in 27th EC meeting held on 10th January 2023. The sanction order was given on 18th April 2023 for an approved cost of ₹2,21,35,000/- with timeline of 12 months up to 17th April 2024. An additional cost of ₹24.43 Lakh was approved in 32nd EC meeting held on 6th December 2023. Timeline extension of 16.5 months up to 31st August 2025 was approved in 41st EC meeting held on 11th March 2025.
- b) DTCl Manipur informed that ₹74,16,794/- has already been utilized and utilization certificate submitted to NMEDT. The agency further briefed that the delay in procurement process is due to revised tendering and time consumed in seeking administrative approval from State Government for the said procurement. The agency requested further time extension for completion of the procurement.
- c) The TCC-II agreed to recommend the proposal for timeline extension of 5 months up to 31st January 2026 for completing of the procurement. If the procurement is not completed within this period, DTCl Manipur will be required to return the unutilised funds to NMEDT.

### ***Recommendation TCC-II***

***The committee recommended the proposal for approval of PSC for “Timeline extension due to revised tendering and time consumed in seeking administrative approval from State Government for the said procurement of 5 months up to 31st January 2026 for completing of the procurement”.***

**Agenda 18.2.2 Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.**

**[Implementing Agency: DGM Arunachal Pradesh]**

- a) The project was sanctioned on 3<sup>rd</sup> April 2023 with approved cost of ₹81.00 Lakh for procurement of 5 GIS software and 1 DGPS machine. 1<sup>st</sup> and 2<sup>nd</sup> instalments of amount ₹ 64.80 Lakh has been given to the agency.
- b) The TCC-II asked the agency to submit the 2<sup>nd</sup> instalments utilization certificate for the amount spent so far. Balance amount may be released on submission of utilization certificate for the 2<sup>nd</sup> instalment.

### ***Recommendation TCC-II***

***The Committee recommended releasing the balance amount upon submission of the utilization certificate for the second instalment, along with the final bill for the balance amount.***

**Agenda 18.2.3 Financial assistance from NMEDT funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities.**

**[Implementing Agency: DMR Meghalaya]**

- a) This procurement project was sanctioned on 7<sup>th</sup> December 2023, with a total cost of ₹60,25,000 for a duration of 12 months. First instalment of ₹24,10,000/- and second instalment of ₹24,10,000 has been given to the agency. The cost of this project was

revised to ₹6,329,440 and approved in PSC-I and timeline extension was given up to 31.10.2025.

- b) DMR Meghalaya informed that, so far, the total expenditure of ₹41,45,940/- has been done. Upcoming procurement of microscope with software will cost ₹21,82,500.
- c) DMR Meghalaya informed the Committee that the tender for the microscope was initially floated on GeM on 27.02.2025, with six bidders participating; however, none qualified in the technical evaluation. The tender was re-floated on 06.06.2025, and seven bidders participated, of whom only one qualified technically. The financial bid submitted by the qualified bidder is ₹21,82,500.
- d) The Committee advised avoiding a single-tender situation and noted that the final decision regarding the procurement rests with DMR Meghalaya.
- e) The agency requested for timeline extension of 5 months up to 31<sup>st</sup> March 2026.
- f) The TCC-II requested NMEDT secretariat to share the details of procurement of microscope by other agencies to DMR Meghalaya to assist in tendering process.

#### **Recommendation TCC-II**

***The committee recommended the proposal for approval of PSC for timeline extension (due to revised re-tendering) of 5 months up to 31st March 2026.***

#### **18.3 Review of Ongoing Projects/ Completed Project & Timeline Extension**

##### **Agenda 18.3.1 Preliminary Exploration of Ion-Adsorption and Laterite Hosted Supergene Enriched REE Deposits in Sung Valley Block, East Khasi and West Jaintia Hills Districts, Meghalaya.**

**[Implementing Agency: DMR Meghalaya]**

- a) The DMR Meghalaya informed that the project was approved in the 32nd EC Meeting held on 06th December 2023. The sanction order was issued on 12th December 2023 with timeline of 15 months and approved cost was ₹ 3,00,93,518
- b) The timeline extension up to 9.11.2025 was approved by PSC-I to carry out chemical analysis of 15 additional samples for PGE.
- c) DMR Meghalaya informed that the tender process for outsourcing certain components of the work is currently in progress. The agency requested for timeline extension of 04 months and 22 days up to 31st March 2026.
- d) The Committee advised to complete the remaining geological Mapping & expedite execution of Drilling.

#### **Recommendation TCC-II**

***The Committee recommended the proposal for approval of the PSC, granting a timeline extension of 4 months and 22 days up to 31st March 2026, as the tender process for outsourcing certain components of the work is still in progress.***

##### **Agenda 18.3.2 Reconnaissance survey for nickel- cobalt, PGE and Chromium in and around Phangrai area, Kherul District, Manipur**

**Revised title of the project “Reconnaissance survey for nickel- cobalt, PGE and Chromium in and around Lungher and Sihai area, Ukhrul district, Manipur”.**

**[Implementing Agency: United Exploration India Private Limited (UEIPL)]**

- a) The project was recommended in 64th TCC meeting held on 25th, 29th & 30th April 2024 and approved in 35th EC meeting held on 16th May 2024. The sanction order was issued on 6th June 2024 with approved cost was ₹ 1,16,27,890/- with time period

of 12 months up to 5th June 2025. Change in the project title and timeline extension of 12 months up to 5th June 2026 was recommended in 13th TCC-II meeting held on 22nd, 23rd, 24th September 2025. In 2nd PSC meeting held on 4th November 2025 the PSC return the proposal back to TCC-II with instruction to obtain comments in the matter from the State Government and place the agenda in the forthcoming PSC meeting.

- b) The committee suggested that the exploration targeting to be re-oriented focussing on bringing out fertile host rocks and zones. Secondary dispersion patterns by stream sediment samples to be focused on mafic-ultramafic suite, unnecessary sampling in sedimentary sequence of Tertiary rocks should have been avoided, which are not favourable host of primary Ni,Co,Cr mineralisation.
- c) Anomalous upper catchment basins of pathfinder elements to be demarcated for systematic soil sampling. For tracing primary dispersion, BRS to be collected from Mafic-ultramafic suite to pick mineralized or anomalous zone. Need to establish the linkage of Ni Cr Co w.r.t a specific variety or varieties of mafic-ultramafic suite.
- d) UEIPL informed that the project district name was inadvertently written as “Kherul” instead of “Ukhrul” and requested for correction of the district name.
- e) The TCC-II Committee approved the correction of the district name.

### **Recommendation TCC-II**

***The committee recommended the revised proposal title for approval of PSC. Revised title of the project “Reconnaissance survey for nickel- cobalt, PGE and Chromium in and around Lungher and Sihai area, Ukhrul district, Manipur”.***

### **Agenda 18.3.3 Reconnaissance Survey for REE and associated Minerals in Nokhaniya area, Kachchh District, Gujarat.**

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

- a) The project was recommended in 6th TCC-II meeting held on 27th, 28th February & 6th March 2025 and approved in 41st EC meeting held on 11th March 2025. Sanction order was issued on 19th March 2025 for approved cost of ₹ 2,39,21,668/- with timeline of 10 months up to 18th January 2026. The project was reviewed in 12th TCC-II meeting held on 22nd, 25th, 26th & 27th August 2025.
- b) MECL informed that a total 50 Bed Rock Samples have been analysed, out of which 10 samples are showing  $\Sigma$ REE+Y more than 500ppm, Y value ranges from 132.32ppm to 629.63ppm with average 314.21ppm. A total 90 samples from 42 Auger BHs have also been analysed which showed high  $\Sigma$ REE+Y up to 11.54.82ppm. The samples with anomalous  $\Sigma$ REE+Y are located around the regional faults. Accordingly, two potential area having 7 sq. km. each has been identified in the east and west sides of the block for further work. The Agency requested for timeline extension of 2.4 months up to 31st March 2026.
- c) The committee emphasized the need to identify the Ion Absorption clay and different REE phases and Identify the REE bearing horizons/bed at subsurface within Bhuj/Katrol Fms considering the reported occurrence of REE in tuffaceous horizons within Katrol Fm by NPEA working in similar geological set up in Kachchh basin.
- d) The TCC-II advised for SEM and EPMA studies to identify the target zone for REE. The committee agreed for commencement of drilling in 2 boreholes in identified potential zones. The committee also agreed to recommend the proposal for timeline extension of 2 months 13 days up to 31st March 2026.

### **Recommendation TCC-II**

***The Committee approved a timeline extension of 2 months 13 days up to 31st March 2026, the extension has been granted in view of the planned commencement of drilling activities in two boreholes located within the identified potential zones, which requires additional time for proper execution.***

### **Agenda 18.3.4 Preliminary Exploration for Copper, Lead, Zinc and Associated Metals in Salaiya Phatak Block, District: Katni, Madhya Pradesh.**

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

- a) The project was recommended in 66th TCC meeting held on 24th, 25th & 26th June 2024 and approved in 36th EC meeting held on 29th July 2024. Sanction order was issued on 29th August 2024 for approved cost of ₹ 1,38,61,200/- with timeline of 12 months up to 28th August 2025. Based on outcomes of the Phase-I activities, TCC-II approved drilling in 5 boreholes (total 500m) in 8th TCC-II meeting held on 28th, 29th April & 2nd May 2025. Further, a timeline extension of 3 months up to 30th November 2025 was approved in 1st PSC meeting held on 9th October 2025.
- b) MECL informed that they have carried out detailed geological mapping on 1:2000 scale along with trenching, channel sampling and identified mineralised zones for copper and gold. A total of 6 boreholes were drilled with 498 m total drilling. Final geological report has been peer reviewed and comments were received on 2<sup>nd</sup> December 2025. The Agency requested for timeline extension of 15 day to 15<sup>th</sup> December 2025 for submission of final geological report.
- c) The committee agreed for timeline extension of 15 days up to 15th December 2025 for submission of final geological report.

### **Recommendation TCC-II**

***The Committee agreed to grant a timeline extension of 15 days, allowing the final geological report to be submitted by 15th December 2025.***

### **Agenda 18.3.5 Reconnaissance survey for Glauconitic Sandstone in Kisanpur Block, Satna District, Madhya Pradesh.**

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

- a) The project was recommended in 1st TCC-II meeting held on 26th and 27th September 2024 and approved in 38th EC meeting held on 29th November 2024. Sanction order was issued on 13th December 2024 for approved cost of ₹ 91,39,918/- with timeline of 10 months up to 12th October 2025.
- b) MECL informed that they have carried out geological mapping on 1:12,500 scale and updated the detailed geological map on 1:4000 scale along with surface sampling and drilling in 8 boreholes (total 308m). The Banbiha sandstone Member which forms the glauconitic horizon has been intersected in all 8 drilled boreholes with average thickness of 19.25 m and average K<sub>2</sub>O content of 6.65%. Final geological report has been submitted for peer review. XRD study of 5 samples is underway. The agency requested for timeline extension of 2 months and 5 days up to 15th December 2025 for submission of final geological report.
- c) The agency informed the committee that they have carried out 8 m additional drilling and 19 additional samples for 4 radical analysis against the approved quantum. The committee asked the agency to submit written justification in this regard.

- d) The TCC-II advised that approved quantum of work including XRD study should be completed and final geological report to be submitted. The committee agreed to recommend the proposal for timeline extension of 2 months and 5 days up to 15th December 2025 for submission of final geological report.

#### **Recommendation TCC-II**

***The Committee agreed for timeline extension of 2 months and 5 days up to 15th December 2025 for submission of final Geological Report and The Committee also advised the agency to submit a detailed justification to NMEDT for the additional 8 metres of drilling and the 19 additional samples for radical analysis beyond the approved quantum.***

#### **Agenda 18.3.6 Reconnaissance survey for manganese and associated minerals in Katori-Jhiriya block, District: Balaghat, Madhya Pradesh.**

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

- a) The project was recommended in 47<sup>th</sup> TCC meeting held on 28<sup>th</sup> and 29<sup>th</sup> November 2022 and approved in 27<sup>th</sup> EC meeting held on 10<sup>th</sup> January 2023. Sanction order was issued on 3<sup>rd</sup> February 2023 for approved cost of ₹ 1,67,81,229/- with timeline of 14 months up to 2<sup>nd</sup> April 2024. Timeline extension was approved up to 2<sup>nd</sup> October 2024 (6 months), 31<sup>st</sup> March 2025 (5 months) and 30<sup>th</sup> October 2025 (7 months) in 36<sup>th</sup> EC held in 29<sup>th</sup> July 2024, 38<sup>th</sup> EC held in 29<sup>th</sup> November 2024 & 43<sup>rd</sup> EC held in 14<sup>th</sup> August 2025 meetings respectively. A timeline extension was granted up to 30<sup>th</sup> October 2025.
- b) MECL informed that geological mapping on 1:12,500 scale of 140.22 sq. km. area has been done along with magnetic survey, trenching and drilling. Only 7 boreholes (total 358.5m) were drilled against the approved quantum of 9 boreholes (total 500m). The presence of a leased area within the exploration boundary has resulted in a shortfall in the drilling target. Final geological report has been peer reviewed and comments were received on 1<sup>st</sup> December 2025. The Agency requested for timeline extension of 1 months and 15 days up to 15<sup>th</sup> December 2025 for submission of final geological report.
- c) The committee agreed to recommend the proposal for timeline extension of 1 months and 15 days months up to 15<sup>th</sup> December 2025 for submission of final geological report.

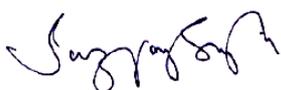
#### **Recommendation TCC-II**

***The Committee agreed for timeline extension of 1 months and 15 days up to 15th December 2025 for submission of final geological report.***

#### **Agenda 18.4 Project Evaluation for In-Principle Approval**

#### **Agenda 18.4.1 Preliminary Exploration for Limestone in Chundi NE block of Jaisalmer District, Rajasthan.**

#### **[Implementing Agency: S and S Geological Consultant]**



- a) NMEDT secretariat informed that State Government (DMG, Rajasthan) has not given consent for this proposal.
- b) There is an overlap of the proposed block with GSI's proposed block for FS 2026-27.
- c) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The proposed block is showing partial overlapping with an approved G3 stage block of GSI for FS 2026-27.
2	DMG Rajasthan	A reconnaissance survey for mineral Limestone has been done in the area by DMGR. This area comprises Yellowish Fossiliferous Limestone (2–4 m.), underlain by Marl/Sub-Bentonitic Clay and Fragile sandstone. It has given its approval to the project in the 85th TCC-I meeting. This proposal area is being proposed for exploration by DMGR.
3	NMEDT	There is no overlap with any ongoing or completed projects funded by NMEDT. The Only Indian Minor Mining block in Jaisalmer falls within the proposed area, and its commodities are not reflected on the NGDR portal for Indian Minor mining.
4	MECL	MECL has not carried out exploration in the proposed block

#### Recommendation TCC-II

***The committee did not agree for in-principle- approval of the proposal.***

#### **Agenda 18.4.2 Reconnaissance Survey for Gold and Associated Mineralization in Vaddupalli and Talapuru Block, District-, Anantapur, Andhra Pradesh**

**[Implementing Agency: Steiger Geoscience and Engineering Private Limited]**

- a) As per the comments received from GSI, the proposed area overlaps with the GSI's exploration block of FS 2019-20. In GSI's report of FS 2019-20 the area has not been recommended for further exploration work.
- b) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	The proposed NPEA block is falling within ongoing Regional Mineral targeting (RMT) project and has 90% overlap with G4 stage exploration block for antimony and associated elements carried out by GSI during FS 2019–20. Therefore, the proposed block for G4 stage exploration is not recommended.
2	DMG Andhra Pradesh	No past exploration, No ongoing exploration, No EL, CL and query exit in the area.

3	MECL	The block proposed by M/s. Steiger Geoscience and Engineering Private Ltd is not overlapping with MECL explored block and ongoing blocks.
4	NMEDT	There is no overlap with any ongoing or completed projects funded by NMEDT.

#### Recommendation TCC-II

*The committee did not agree for in-principle- approval of the proposal.*

**Agenda 18.4.3 Reconnaissance Survey for REE & RM mineralisation in part of Akadara-Santara-Jhund area, Balotra District, Rajasthan.**

**[Implementing Agency: Vardan LLP]**

- The TCC-II opined that several NMEDT-funded projects for REE/RM are currently underway in Rajasthan. The positive outcomes of these projects will be the key factor in determining the further exploration in these areas.
- The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	As per the outcome of the RMT item of GSI and surface sample data, TREE, Nb, and Zr values in the proposed G4 area are not encouraging, and the RMT team has not recommended this block as a future potential block (
2	DMG Jharkhand	No exploration work has been undertaken by DMGR for REE, RM in this proposal area
3	NMEDT	There are no NMEDT funded block and auctionable block in the proposed area. There are no mining lease present in the proposed block
4	AMD	No past and ongoing exploration projects.
5	MECL	The block does not overlap with MECL-explored, ongoing, or proposed blocks.

#### Recommendation TCC-II

*The Committee kept the proposal on hold until the review of any of the final geological report from the NMEDT-funded REE/RM projects in the adjacent areas*

**Agenda 18.4.4 Preliminary Exploration for Glaucosite (Potash) and Associated Minerals in Jhalpani-Bharka Block District, Balod Bazari, Chhattisgarh.**

**[Implementing Agency: APC Drilling]**

- a) The TCC-II opined that at present there are technical, financial, and environmental complexities in extracting potash. While resources are identified, large-scale commercial mining is still developing, with research focusing on efficient extraction and processing.
- b) The committee opined that the commercial viability of the Glaucosite is not established and need to be established from ongoing projects.
- c) The table containing the comments is given below.

S.N.	Agency	Comment
1	GSI	It is not working presently within the coordinates of the proposed block.
2	DMG Jharkhand	It has given its approval to the project in the 85th TCC-I meeting.
3	NMEDT	No overlap with ongoing and completed projects.
4	AMD	AMD has not carried out any exploration / reconnaissance project in the proposed block.  There is no ongoing exploration / reconnaissance project. However, AMD has carried out exploration (G4 stage) for uranium just north of the proposed block. Samples assayed up to 0.033% U <sub>3</sub> O <sub>8</sub> and 0.095% ThO <sub>2</sub> .  In view of known potentiality of uranium and thorium in the contiguous area, analyses of uranium and thorium may be included in the analyses list.

### Recommendation TCC-II

*The committee kept the proposal on hold.*

### Agenda 18.5 Cost Evaluation of Fresh Proposal

Cost evaluation of fresh proposal was done and comments are included in the respective agenda.

### Agenda 18.6 Cost Revision of Recommended Projects as per Revised Schedule of Charge (SoC)

#### **Agenda 18.6.1 Preliminary Exploration for Bauxite, Vanadium, Titanium and Associated minerals in Rudni Pat block, Lohardaga District, Jharkhand.**

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

- a) The project was recommended in 12<sup>th</sup> meeting of TCC-II held on 22<sup>nd</sup>, 25<sup>th</sup>, 26<sup>th</sup> & 27<sup>th</sup> August, 2025. In 1<sup>st</sup> PSC meeting held on 9<sup>th</sup> October 2025 the project was referred back to TCC-II for re-evaluation of cost and timeline.
- b) Cost evaluation of the project has been done as per revised SoC of NMEDT.

**Recommendation TCC-II**

**The committee recommends the proposal (as per revised SoC of NMEDT) for approval of PSC for “Preliminary Exploration for Bauxite, Vanadium, Titanium and Associated minerals in Rudni Pat block, Lohardaga District, Jharkhand” with an estimated cost of ₹153.43 Lakh (including GST) within the time schedule of 15 months and submission of the report as per Annexures 3A & 3B. The item will be reviewed after 7 months.**



**Estimated Cost for Priliminary Exploration (G-3) for Bauxite, Vanadium, Titanium & Associated Minerals in Rudni Pat Block  
District- Lohardaga, State- Jharkhand**

**Total Area - 1.10 sq km; Nos. of Boreholes - 24 (Phase I -09 Bhs & Phase II-15 Bhs) ; Completion Time - 15 Months; Review- After 07 Months  
Implimenting Agency: MECL**

Sl.No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	
<b>A</b>	<b>GEOLOGICAL WORK</b>						
<b>1</b>	Geological mapping (1:4000 scale),Borehole logging & Sampling & Report writing		1.1	18,300	1.1	20,130	18300 per sq.km
	<b>Survey (on 1:4000 Scale)</b>						
<b>1</b>	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc. a) Charges of one Surveyor per day (without labour) (Up to 4 labours will be allowed per surveyor)		1.3.1	10,500	30	315,000	
<b>2</b>	Labours (4 Nos)	day	5.8	541	120	64,920	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher

3	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work) - use of CORS Network system for all DGPS is compulsory	Per Point of observation	1.3.2	24,000	28	672,000	24 BH points & 4 Boundary points
<b>SUB-TOTAL A</b>						<b>1,072,050</b>	
<b>B</b>	<b>MINERAL INVESTIGATION</b>						
	<b>Geological mapping (1:4000 scale), Borehole logging &amp; Sampling &amp; Report writing</b>						
1	Charges for one Geologist per day at HQ	day	1.2.1a	10,500	30	315,000	
2	Charges for Geologist party per day at field	day	1.2.1a	14,500	150	2,175,000	
3	party Labour (2 Nos each party)	day	5.8	541	300	162,300	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
4	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	79	620,150	
5	Labours (4 Nos)	day	5.8	541	316	170,956	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
<b>SUB-TOTAL B</b>						<b>3,443,406</b>	
<b>C</b>	<b>Pitting &amp; Trenching</b>						
1	Excavation of Trenches upto 2.0 m depth with back filling (1mx1mx1m)- 2 nos.	per cu. m	2.1.2	4125	2	8,250	
<b>D</b>	<b>DRILLING( Out Source Drilling )</b>						
							In the first phase 9 drill hole in grid of 400x400m, 8 boreholes of 30 m depth upto lithomarge and one borehole of 50 m depth upto basement (whichever is earlier) will be

							drilled. Subsequent drilling after review.
1	Dry Core Drilling up to 30-50 m (24 BHs, HQ size )	m	2.2.1.1c	5,500	760	4,180,000	
2	Technical Supervision cost of outsourcing of work		6	10 % of outsourced component		418,000	Only drilling component is outsourced
3	Drill Core Preservation	per m	5.3	1,590	300	477,000	
	<b>SUB-TOTAL C+D</b>					<b>5,083,250</b>	
<b>E</b>	<b>LABORATORY STUDIES</b>						
<b>1</b>	<b>Chemical Analysis</b>						
<b>i)</b>	<b>Primary samples</b>						
a	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17 a	4,200	500	2,100,000	Major oxides (WD XRF)- (oxides+ traces -24 elements)
<b>ii)</b>	<b>Check samples External (10%)</b>						
a.	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17 a	4,200	50	210,000	
<b>iii)</b>	<b>Analysis for Bauxite</b>						
a.	Combined determination of Trihydrate Alumina (THA-140° C), Monohydrate Alumina (MHA-240° C) & Reactive Silica	Nos.	4.1.19a	7,500	10	75,000	
	<b>Sub-Total -1</b>					<b>2,385,000</b>	
<b>2</b>	<b>Physical &amp; Petrological Studies</b>						
<b>i)</b>	XRD analysis for identification of minerals (Random)	Nos.	4.5.2	4,000	24	96,000	

ii)	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique)	Nos.	4.1.15	7,400	48	355,200	14 REE elements + 9 trace element
iii)	Preparation of standard thin section of rock	Nos.	4.3.1	500	10	5,000	
iv)	Complete petrographic /ore microscopic study/mineragraphic report of rock sample ( along with 5 nos. digital photo microgrphs)	Nos.	4.3.4	2,800	10	28,000	
	<b>Sub-Total -2</b>					<b>484,200</b>	
<b>3</b>	<b>Geotechnical Laboratory</b>						
i.	Bulk density – Dry / Saturated	No.	4.8.3	2,500	2	5,000	
	<b>Sub Total- 3</b>					<b>5,000</b>	
	<b>SUB-TOTAL-E</b>					<b>2,874,200</b>	
	<b>Total - A to E</b>					<b>12,472,906</b>	
<b>F</b>	<b>MISCELLANEOUS CHARGES</b>						
<b>1</b>	<b>Preparation of Exploration Proposal (5 Hard copies with a soft copy)</b>	5 Hard copies with a soft copy	5.1	2% of the approved project cost or Rs. 5.0 Lakhs whichever is lower		<b>249,458</b>	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and plan as suggested by the TCC-NMET in its meeting while clearing the proposal
<b>2</b>	<b>Geological Report Preparation</b>		5.2 (ii)	For the projects having cost exceeding ₹50 lakh but less than 150 lakh: ₹2.5 lakh		<b>250,000</b>	EA has to submit the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET

3	Peer review Charges		As per EC decision			30,000	
	<b>Total Estimated Cost without GST</b>					<b>13,002,364</b>	
	<b>Provision for GST (18%)</b>					<b>2,340,426</b>	GST will be reimbursed as per actual and as per notified prescribed rate
	<b>Total Estimated Cost with GST</b>					<b>15,342,790</b>	
	<b>Say in Lakhs (Rs.)</b>					<b>153.43</b>	
<b>Note - If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non-outsourcing of any component/ project is required.</b>							
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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

**Time Schedule/Action Plan for Preliminary Exploration (G-3) for Bauxite, Vanadium, Titanium & Associated Minerals in Rudni Pat Block (1.10 Sq Km), District- Lohardaga, Jharkhand.**

Sl. No.	Activities	Unit	MONTHS																
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
1	Camp Setting	day	■								<b>REVIEW</b>								
2	Geologist Party days in Field (1 Party)	day		■	■	■	■	■				■	■	■	■				
3	Survey Party days (1 Party)	day		■	■														
4	Core Drilling (1 rig)	m.			■	■	■	■	■			■	■	■	■				
5	Sampling Party days, Core Sampling	day				■	■	■	■			■	■	■	■				
6	Camp Winding	day														■			
7	Laboratory Studies	Nos.						■	■	■			■	■	■	■			
8	Geologist Party days in HQ (1 Party)	day																■	■
9	Report Writing & Peer review	day																■	■

**Agenda 18.6.2 Preliminary Exploration for Aluminous Laterite, Titanium, Vanadium, Gallium and associated minerals in Sansarpur Block, Katni District, Madhya Pradesh.**

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

- a) The project was recommended in 15<sup>th</sup> meeting of TCC-II held on 23<sup>rd</sup> & 24<sup>th</sup> October, 2025.
- b) Cost evaluation of the project has been done as per revised SoC of NMEDT.

***Recommendation TCC-II***

***The committee recommends the proposal (as per revised SoC of NMEDT) for approval of PSC for “Preliminary Exploration for Aluminous Laterite, Titanium, Vanadium, Gallium and associated minerals in Sansarpur Block, Katni District, Madhya Pradesh” with an estimated cost of ₹ 153.49 Lakh (including GST) within the time schedule of 12 months and submission of the report as per Annexures 4A & 4B. The item will be reviewed after 5 months.***



**Preliminary Exploration (G-3) for Aluminous Laterite, Titanium (Ti O<sub>2</sub>), Vanadium (V), Gallium (Ga) and associated minerals in Sansarpur Block, District: Katni, State: Madhya Pradesh**  
**Block area- 7.19 sq. km; No of BH:17 (16 BH x 30m and 1 BH x 50m) Total Drilling : 530 m**  
**Schedule timeline- 12 months, Review: after 05 months**  
**[Implementing Agency: Mineral Exploration and Consultancy Limited (MECL)]**

Sl. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item- S. No.	23Q	Qty.	Total Amount (Rs)	
A	Geological mapping (1:4000 scale)		1.1	18,300	7.19	131,577	
	Geological Mapping (1:4000)						
	Survey						
i	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc. a) Charges of one Surveyor per day (without labour) (Up to 4 labours will be allowed per surveyor)		1.3.1	10,500	30	315,000	Contouring at 2 m interval for preparation of base map on 1:4000 scale

ii	Labours (4 Nos)	day	5.8	541	120	64,920	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iii	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work) - use of CORS Network system for all DGPS is compulsory	Per Point of observation	1.3.2	24,000	21	504,000	17 Core Drilling Boreholes + 4 Boundary Points = 21
<b>Sub Total- A</b>						<b>1,015,497</b>	
<b>B</b>	<b>MINERAL INVESTIGATION</b>						
	<b>Geological mapping (1:4000 scale), Borehole logging &amp; Sampling &amp; Report writing</b>						
i	Geologist man days (1 No.) for Geological map & Report (HQ)	days	1.2.1a	10,500	60	630,000	
ii	a) Geologist man days for Detailed Geological mapping/Channel Sampling/Trenching, Drilling	days	1.2.1a	14,500	120	1,740,000	
iii	b) Labour (field)	per worker	5.8	541	240	129,840	Amount will be reimbursed as per the notified rates by the Central Labour

							Commissioner or respective State Govt. whichever is higher
iv	c) Sampler for Surface Samples/ Trench Samples / Core Samples Labour charge not included (1 sampler)	day	1.2.1b	7,850	80	628,000	Total 890 Nos of Samples / 8 Nos of sample per day =121
v	d) 4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	541	320	173,120	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
<b>Sub-Total B</b>						<b>3,300,960</b>	
<b>C</b>	<b>Trenching</b>						
i	Trenching	Cu m	2.1.1	4125	100	412,500	10m x1m x1m
ii	Pitting	Cu m	2.1.2	4725	50	236,250	Pit up two meter depths
<b>Sub-Total C</b>						<b>648,750</b>	
<b>D</b>	<b>DRILLING</b>						
i	Core Drilling upto 300m Soft Rock	per m	2.2.1.1c	5,500	530	2,915,000	In the 1st phase - 4 BH(30m) + 1 deep BH up to parent rock/50m which ever is earlier, In the 2nd Phase-12 BH
ii	Miscellaneous Charges ( Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation		2.2.9 (1)	Drilling cost less than Rs.50lakhs : - 25%		728,750	

iii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	17	510,000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole
iv	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	17	34,000	
v	Drill core preservation		5.3	1,590	265	421,350	
	<b>Sub Total- D</b>					<b>4,609,100</b>	
<b>E</b>	<b>LABORATORY STUDIES</b>						
<b>1</b>	<b>Chemical Analysis</b>						
i	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17 a	4,200	500	2,100,000	Trench Samples-100, Pit Samples-50, BH Samples-350 (the analysis includes acid insoluble also )
i.a	Check samples Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17 a	4,200	50	210,000	10% of primary samples
iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique)	Nos.	4.1.15	7,400	50	370000	
iv	For Gold & Ag	per sample	4.1.5a	5000	10	50000	
<b>2.0</b>	<b>Petrological / Mineralographic studies</b>						
	Preparation of standard thin section of rock	Nos.	4.3.1	500	10	5,000	

	Complete petrographic /ore microscopic study/mineragraphic report of rock sample ( along with 5 nos. digital photo microgrphs)	Nos.	4.3.4	2,800	10	28,000	study of standard thin section
	c) Preparation of polished section	Nos	4.3.2	800	10	8,000	
	Complete petrographic /ore microscopic study/mineragraphic report of rock sample ( along with 5 nos. digital photo microgrphs)	Nos.	4.3.4	2,800	10	28,000	study of polished section
<b>3</b>	XRD analysis for identification of minerals (Random)	Nos.	4.5.2	4,000	20	80,000	
<b>4</b>	Bulk density – Dry / Saturated	No.	4.8.3	2,500	10	25,000	
						<b>Sub-Total E</b>	<b>2,904,000</b>
						<b>Total (A TO E)</b>	<b>12,478,307</b>
<b>F</b>	Geological Report Preparation	Nos	5.2 (ii)	Cost per 5 Hard copies of report along with soft copy (These charges shall be paid after the final approved report is uploaded on NGDR by the agency		250,000	Reimbursement will be made after submission of the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.

<b>G</b>	Preparation of Exploration Proposal	Nos	5.1	2% or Rs. 500000 whichever is less	1	249,566	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
<b>H</b>	Report Peer Review Charges	lumpsum	As per EC decision	30000	1	30,000	
<b>I</b>	<b>Total Estimated Cost without GST</b>					<b>13,007,873</b>	
<b>J</b>	<b>Provision for GST ( 18%)</b>					<b>2,341,417</b>	GST will be reimburse as per actual and as per notified prescribed rate
<b>K</b>	<b>Total Estimated Cost with GST</b>					<b>15,349,290</b>	
					<b>Say, in Lakhs</b>	<b>153.49</b>	
<b>Note:</b>							
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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

Estimated timeline for Preliminary Exploration (G-3) for Aluminous Laterite, Titanium (Ti O<sub>2</sub>), Vanadium (V), Gallium (Ga) and associated minerals in Sansarpur Block, District: Katni, State: Madhya Pradesh [Block area- 7.19 sq. km; Schedule timeline- 12 months]

S. No.	Particulars	Months/ Days	1	2	3	4	5	REVIEW	6	7	8	9	10	11	12	
1	Camp Setting	months														
2	Geological Mapping & Trenching	months														
3	Topographic Survey	months														
4	Core Drilling	m														
5	BH Core Sampling	Nos														
6	Camp winding	months														
7	Laboratory Studies	months														
8	Report Writing with Peer Review	months														

**Agenda 18.6.3 Preliminary Exploration for Tin in Kangra block, Tehri Garhwal district, Uttarakhand.**

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

- a) MECL informed that the project was recommended in 2nd meeting of TCC-II held on 22nd and 23rd October, 2024 and approved in 38th EC meeting held on 29th November 2024 for ₹604.91 Lakh with timeline of 15 months up to 12 March 2026.
- b) The project was discussed in 16th meeting of TCC-II held on 3rd & 6th November, 2025 for seeking approval for changing the mode of execution of the drilling component of the project from in-house implementation to outsourcing through an external agency. The cost sheet was revised and recommended by TCC-II for PSC.
- c) The committee opined that the revision was made based on old SoC of NMEDT and suggests to keep the same costing.

**Recommendation TCC-II**

**The committee recommends the cost revision (drilling component from inhouse to outsource) of proposal for approval of PSC for “Preliminary Exploration for Tin in Kangra block, Tehri Garhwal district, Uttarakhand” with revised estimated cost of ₹ 380.28 Lakh (including GST) within the time schedule of 15 months and submission of the report as per Annexures 5A & 5B. The item will be reviewed after 4 months.**



**Preliminary Survey (G-3) For Tin In Kangra Block Districts- Tehri Garhwal, Uttarakhand**  
**Total Area -6.35 Sq. Km; Completion Time - 15 Months, Review: 4 months, Drilling: 300 M, 06 Nos.**  
**Implementing Agency: MECL**

S.N	Item of Work	Unit	SoC-Item - SI No.	Rates as per SoC	Additional Rate for Exploration work in remote and inaccessible terrain in North Eastern States and Himalayan terrain (3.35 times higher than the normal SoC )	Approved Cost of the Proposal		Revised Estimated Cost of the Proposal		Remarks
						Qty.	Total Amount (Rs)	Qty.	Total Amount (Rs)	
<b>1</b>	<b>Geology &amp; Survey</b>									
1.1	Geologist man days (1 No.) for geological map & Report (HQ)	day	1.3	9,000		60	5,40,000	60	5,40,000	
1.2	Geologist (Field) man days for core logging/mapping/ Sampling/topographic survey	day	1.3	11,000	36,850	200	73,70,000	200	73,70,000	

1.3	Unskilled Labour (Field) (2 workers per geologist)	day	5.7	526	1,762	400	7,04,840	400	7,04,840	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
1.4	Survey Party Days for topographic survey (4m contour)	days	1.6.1a	8,300	27,805	60	16,68,300	60	16,68,300	
1.5	Unskilled Labour (Survey) (4 workers per Surveyer)	Days	5.7	526	1,762	240	4,22,904	240	4,22,904	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
1.6	Sampling man days - Sampler, Labour charge not included	day	1.5.2	5,100	17,085	65	11,10,525	57	9,73,845	

1.7	4 labours/ party (Rs 526/day/labour) (As per rates of Central Labour Commissioner) for sampling work	day	5.7	526	1,762	260	4,58,146	228	4,01,759	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
1.8	Determination of co-ordinates and Reduced Level (RL) of boreholes by DGPS including boundary corner points.	Nos.	1.6.2	19,200	64,320	16	10,29,120	11	7,07,520	Boreholes 06 Nos. + Block Boundary 06 Nos.
<b>Sub-Total 1</b>							<b>1,33,03,835</b>		<b>1,27,89,168</b>	
<b>2</b>	<b>Excavation</b>									
2.1	Pitting/Trenching (upto 2m)	Cu.m	2.1.1	3,330	11,156	60	6,69,330		6,69,330	
<b>Sub-Total 2</b>							<b>6,69,330</b>		<b>6,69,330</b>	
<b>Phase-2</b>										
<b>3</b>	<b>Drilling -Out-Source</b>									
3.1	Drilling -hard rock (up to 300m)	m	2.2.1.4 a	11,500	38,525	600.00	2,31,15,000.00	300.00	1,15,57,500.00	
3.2	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	20,000	67,000	10.00	6,70,000.00	6.00	-	As per actual
3.3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	6,700.00	10.00	67,000.00	6.00	-	

3.4	Transportation of Drill Rig & Truck associated per drill (for 2 rig)	Km	2.2.8	36	121	5,200	6,27,120.00	5,200	-	2600 Km to and fro for one rig
3.5	Monthly Accomodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	1,67,500.00	6	10,05,000.00	6	-	
3.6	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	8,37,500.00	2	16,75,000.00	2	-	
3.7	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	8,37,500.00	2	16,75,000.00	2	-	
3.8	Road Making (Rugged-Hilly Terrain)	Km	2.2.10b	32,200	1,07,870.00	5	5,39,350.00	5	-	
3.9	Drill Core Preservation	per m	5.3	1,590	5,326.50	300	15,97,950.00	150	7,98,975.00	
3.10	Tendering process cost	One time	2.3	2% of the approved project cost or 5 lakh whichever is lower will be paid one time to Exploration Agency		-	-	1	2,31,150.00	
3.11	Operational Charges	One time	6.iii	₹8.75 lakh plus 5 percent on the balance amount of outsourced cost in excess of ₹1 crore will be paid to Exploration Agency towards operational charges. The maximum ceiling of operational charges is ₹15 lakh.		-	-	1	9,52,875.00	9,52,875.00
	<b>Sub-Total 3</b>						<b>3,09,71,420</b>		<b>1,35,40,500</b>	
<b>4</b>	<b>Laboratory Studies (Phase 1 &amp; Phase 2)</b>									

4.1	Primary Bedrock/channel/pit/trenching + Check Sample - 34 Elements of ICPMS	per sample	4.1.14	7,731	NA	363	28,06,353.00	363	28,06,353.00	Closed space sampling in grid pattern-300 Nos+trenching 30 Nos+check samples-33
4.2	Core samples+ Check Sample - 34 Elements of ICPMS (Primary+Internal check+ External check)	per sample	4.1.14	<b>7,731</b>	NA	154	11,90,574.00	88	6,80,328.00	Borehole samples-80+check samples
4.2	Preparation of thin section	Nos	4.3.1	2,353	NA	5	11,765.00	5	11,765.00	
4.3	Complete petrographic study report	Nos	4.3.4	4,232	NA	5	21,160.00	5	21,160.00	
4.4	Preparation of Polished Section	Nos	4.3.2	1,549	NA	20	30,980.00	20	30,980.00	
4.5	Complete Mineragraphic study report	Nos	4.3.4	4,232	NA	20	84,640.00	20	84,640.00	
4.6	Whole Rock Analysis(Major Oxides)	Nos	4.1.15a	4,200	NA	5	21,000.00	5	21,000.00	
4.7	XRD	Nos	4.5.1	4,000	NA	20	80,000.00	20	80,000.00	
4.8	SEM	per hour	4.4.2	2,940	NA	10	29,400.00	10	29,400.00	
4.9	Density	per sample	4.8.3	1,568	NA	10	15,680.00	6	9,408.00	
	<b>Sub-Total -4</b>						<b>42,91,552</b>		<b>37,75,034</b>	
<b>5</b>	<b>Total 1 to 4</b>						<b>4,92,36,137</b>	<b>-</b>	<b>3,07,74,032</b>	

6	Geological Report Preparation	5 Hard copies with a soft copy	5.2	Detailed exploration with cost of work exceeding ₹ 300 lakh: A minimum of ₹ 9 lakh or 3% of the value of work whichever is more subject to a maximum amount of ₹ 20 lakh and ₹ 10,000/- per each additional copy			14,77,084		9,23,221	
7	Peer review Charges		As per EC decision				30,000		30,000	
8	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of approved project cost or Rs.5 Lakhs whichever is lower			5,00,000		5,00,000	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while

										clearing the proposal.
9	Total Estimated Cost without GST						5,12,43,221		3,22,27,253	
10	Provision for GST (18% of G)	%					92,23,780		58,00,905	GST will be reimburse as per actual and as per notified prescribed rate
11	Total Estimated Cost with GST						6,04,67,001		3,80,28,158	
						Say in Lakhs	605		380.28	37.11%

**Note - If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a certificate regarding non outsourcing of any component/project is required.**

<b>Note:</b>	
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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.
5	Any item of work not mentioned above shall be added as per SoC.
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency

**PRELIMINARY SURVEY (G-3 STAGE) FOR TIN IN KANGRA BLOCK (6.35 SQ.KM AREA) DISTRICTS- TEHRI GARHWAL, UTTARAKHAND**

			1	2	3	4	Review	5	6	7	8	9	10	11	12	13	14	15		
1	Camp setting	Month																		
2	Geologist days (Field)	Month																		
3	Sampling days, core sampling	Party days																		
4	Geophysical Survey																			
5	Core drilling (2 rig)	Party days																		
6	Camp winding																			
7	Laboratory studies	Month																		
8	Geologist days (HQ)	Month																		
9	Report writing/ Peer review	Party days																		

**Agenda 18.6.4 Preliminary exploration for Limestone in Choto Lakhindong block, Dima Hasao District, Assam.**

**[Implementing Agency: DGM Assam]**

- a) The project was recommended in 12<sup>th</sup> meeting of TCC-II held on 22<sup>nd</sup>, 25<sup>th</sup>, 26<sup>th</sup> & 27<sup>th</sup> August, 2025. In 1<sup>st</sup> PSC meeting held on 9<sup>th</sup> October 2025 the project was referred back to TCC-II for re-evaluation of cost after revision of SoC, NMEDT.
- b) Cost evaluation of the project has been done as per revised SoC of NMEDT.

***Recommendation TCC-II***

**The committee recommends the proposal (as per revised SoC of NMEDT) for approval of PSC for “Preliminary exploration for Limestone in Choto Lakhindong block, Dima Hasao District, Assam” with an estimated cost of 90.21 Lakh (including GST) within the time schedule of 12 months and submission of the report as per Annexures 6A and 6B. The item will be reviewed after 5 months**



**Estimated Cost For Preliminary Exploration (G-3) For Limestone In Choto Lakhindong Block, Dist: Dima Hasao, Assam  
Area:3 Sq.km, Drilling 4 Borholes( 3 Borholes 60 M Each And 1 Borholes 100 M) Timeline 12 Month Review After 5 Month  
Implimenting Agency: Dgm, Assam**

SI No.	Work Activity	Item no as per SOC	Unit	Charges / Cost (in Rs)	Qty	Total (In Rs)	Remarks
A.	<b>Geological Mapping &amp; Survey</b>						
1	Geological mapping (1:4000 scale)	1.1	Per Sq km Area	₹ 18,300.00	3.00	54900.00	
2	Charges for Sampler	1.2.1b	Per Sampler	₹ 7,850.00	19	₹ 1,47,187.50	
3	Labour charges for sample work	5.8	Four Labour per Sampler	₹ 541.00	75	₹ 40,575.00	
	<b>Survey</b>						
4	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc. a) Charges of one Surveyor per day (without labour) (Up to 4 labours will be allowed per surveyor)	1.3.1	Per Point of observation	₹ 10,500.00	30	₹ 3,15,000.00	
5	Labours (4 Nos)	5.8	day	₹ 541.00	120	₹ 64,920.00	

6	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work) - use of CORS Network system for all DGPS is compulsory	1.3.2	Per Point of observation	₹ 24,000.00	8	₹ 1,92,000.00	4 Borehole points + 4 boundary points
<b>Sub Total A</b>						<b>₹ 8,14,582.50</b>	
<b>B</b>	<b>MINERAL INVESTIGATION</b>						
	<b>Borehole logging &amp; Sampling &amp; Report writing</b>						
1	Pitting	2.1.2	Per Cub.meter	4725	20	94,500.00	
2	Charges for Geologist (Field)	1.2.1a	Per day	₹ 14,500.00	120	17,40,000.00	
3	Party Labour (2 Nos each party)	5.8	Per day	541	240	1,29,840.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
4	Charges of one Geologist per day at HQ	1.2.1a	Per day	₹ 10,500.00	45	4,72,500.00	
5	Core Drilling up to 30-50 m (4 BHs, HQ size up to 400m)	2.2.1.1c	Per meter	8,250	280	23,10,000.00	3 Borholes 60 m each and 1 Borholes 100 m
6	Land/Crop compensation in case BH falls in agricultural land	5.6	Per BH	₹ 30,000.00	4	1,20,000.00	
7	Construction of concrete pillar (12" x 12" x 30")	2.2.7	Per BH	₹ 2,000.00	4	8,000.00	

8	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation)	2.2.9 (1)		Drilling cost less than Rs.50 lakhs : 25 %		5,77,500.00	100m Drill core preservation
9	Drill Core preservation	5.30		₹ 1,590.00	140	2,22,600.00	
<b>Sub Total B</b>						<b>₹ 56,74,940.00</b>	
<b>C. Laboratory Studies</b>							
a) Chemical Analysis							
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	4.1.17 a	No.	4,200	150	₹ 6,30,000.00	
	Check samples External (10%)	4.1.17 a	No.	4,200	15	₹ 63,000.00	
b) Physical Analysis							
1	Preparation of standard thin section of rock	4.3.1	No.	500	10	₹ 5,000.00	
2	Bulk density – Dry / Saturated	4.8.3	No.	2,500	2	₹ 5,000.00	
3	Petrographic Studies	4.3.4	No.	₹ 2,800.00	10	₹ 28,000.00	
<b>Sub Total C</b>						<b>₹ 7,31,000.00</b>	
<b>Total of A+B+C</b>						<b>₹ 72,20,522.50</b>	
<b>D. Miscellaneous Charges</b>							
1	Preparation of Exploration proposal	5.1		2% of the Total A+B+C		₹ 1,44,410.45	
2	Geological Report Preparation	5.2 (ii)	5 Hard Copies and Soft Copies			₹ 2,50,000.00	

3	Peer review charges		As per EC decision			₹ 30,000.00	
<b>Sub Total of D</b>						₹ 4,24,410.45	
<b>Total of A+B+C+D</b>						<b>₹ 76,44,932.95</b>	
<b>Provision for GST (18%)</b>						<b>₹ 13,76,087.93</b>	
<b>Total estimated Cost (With GST 18%)</b>						<b>₹ 90,21,020.88</b>	
<b>Total estimated Cost</b>						<b>Rs 90.21 Lakhs</b>	
<b>Note:</b>							
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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

Time schedule/ Action Plan for Preliminary Investigation (G3) for Limestone in Choto Lakhindong area of Dima Hasao district, Assam

S. No.	Activities	Months											
		1	2	3	4	5	6	7	8	9	10	11	12
1	Camp mobilisation	█	█										
2	Mapping (1:4000)		█	█	█	█							
3	Geologist days in field		█	█	█	█	█	█					
4	Sub Surface drilling (2 rig)							█	█	█	█		
5	Survey days												
6	Sampling days				█	█	█	█					
7	Laboratory Studies					█	█	█	█	█			
8	Camp winding									█	█		
9	Geologist days in HQ										█	█	
10	Geological Report Writing											█	█

Review

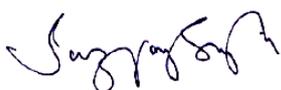
**Agenda 18.6.5 Preliminary exploration for Limestone in north of Krungming block, Dima Hasao District, Assam.**

**[Implementing Agency: DGM Assam]**

- a) The project was recommended in 12<sup>th</sup> meeting of TCC-II held on 22<sup>nd</sup>, 25<sup>th</sup>, 26<sup>th</sup> & 27<sup>th</sup> August, 2025. In 1<sup>st</sup> PSC meeting held on 9<sup>th</sup> October 2025 the project was referred back to TCC-II for re-evaluation of cost after revision of SoC, NMEDT.
- b) Cost evaluation of the project has been done as per revised SoC of NMEDT.

**Recommendation TCC-II**

**The committee recommends the proposal (as per revised SoC of NMEDT) for approval of PSC for “Preliminary exploration for Limestone in north of Krungming block, Dima Hasao District, Assam” with an estimated cost of ₹ 173.64 Lakh (including GST) within the time schedule of 12 months and submission of the report as per Annexures 7A & 7B. The item will be reviewed after 5 months.**



**Estimated Cost For Preliminary Exploration (G-3) for Limestone in North Krungming Block of Dima Hasao District, Assam**  
**AREA:5.80 sq. km, Drilling 12 Borholes( 11 Borholes 60m each and 1 Borholes 100m) Timeline 12 month Review after 5 month**  
**Implimenting Agency: DGM, Assam**

SI No.	Work Activity	Item no as per SOC	Unit	Charges / Cost (in Rs)	Qty	Total (In Rs)	Remarks
<b>A. Geological Mapping</b>							
1	Geological mapping (1:4000 scale)	1.1	Per Sq km Area	₹ 18,300.00	5.8	₹ 1,06,140.00	
2	Charges for Sampler	1.2.1b	Per Sampler	₹ 7,850.00	31	₹ 2,43,350.00	
3	Labour charges for sample work	5.8	Four Labour per Sampler	₹ 541.00	124	₹ 67,084.00	
	<b>Survey</b>						
4	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval, fixation of borehole and determination of co- ordinates & Reduced Level (RL) of the boreholes with total station etc. a) Charges of one Surveyor per day (withoutlabour) (Up to 4 labours will be allowed per surveyor)	1.3.1	Per Point of observation	₹ 10,500.00	30	₹ 3,15,000.00	
5	Labours (4 Nos)	5.8	day	541	120	₹ 64,920.00	

6	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (including charges for labours deployed for the work) - use of CORS Network system for all DGPS is compulsory	1.3.2	Per Point of observation	24,000	16	₹ 3,84,000.00	12 Borehole points + 4 boundary points
<b>Sub Total A</b>						<b>₹ 11,80,494.00</b>	
<b>B</b>	<b>MINERAL INVESTIGATION</b>						
	<b>Borehole logging &amp; Sampling &amp; Report writing</b>						
1	Pitting	2.1.2	Per Cub.meter	₹ 4,725.00	40	₹ 1,89,000.00	
2	Charges for Geologist (Field)	1.2.1a	Days	₹ 14,500.00	120	₹ 17,40,000.00	
3	Party Labour (2 Nos each party)	5.8	Days	₹ 541.00	240	₹ 1,29,840.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
4	Charges of one Geologist per day at HQ	1.2.1a	Days	₹ 10,500.00	45	₹ 4,72,500.00	
<b>C. Core Drilling</b>							
2	Drilling – Soft rock	2.2.1.1c	Mtr	₹ 8,250.00	760	₹ 62,70,000.00	
3	Land/Crop compensation in case BH falls in agricultural land	5.60	Per BH	₹ 30,000.00	12	₹ 3,60,000.00	
4	Construction of concrete pillar (12" x 12" x 30")	2.2.7	Per BH	₹ 2,000.00	12	₹ 24,000.00	

5	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation	2.2.9 (ii)		Drilling cost more than Rs.50 lakhs and less than Rs. 1 cr. : 20 % or maximum 15 lakh		₹ 12,54,000.00	
6	Drill core preservation	5.30		₹ 1,590.00	100	₹ 1,59,000.00	
<b>Sub Total B+C</b>						<b>₹ 1,05,98,340.00</b>	
<b>Sub Total A+B+C</b>						<b>₹ 1,17,78,834.00</b>	
<b>D. Laboratory Studies</b>							
a) Chemical Analysis							
1	Major oxides (WD XRF)- (oxides+ traces - 24 elements)	4.1.17 a	No.	4,200	250	₹ 10,50,000.00	
2	Check samples External (10%)	4.1.17 a	No.	4,200	25	₹ 1,05,000.00	
b) Physical Analysis							
1	Preparation of standard thin section of rock	4.3.1	No.	500	10	₹ 5,000.00	
2	Bulk density – Dry / Saturated	4.8.3	No.	2,500	2	₹ 5,000.00	
3	Petrographic Studies	4.3.4	No.	₹ 2,800.00	10	₹ 28,000.00	
<b>Sub Total D</b>						<b>₹ 11,93,000.00</b>	
<b>Total of A+B+C+D</b>						<b>₹ 1,41,52,328.00</b>	
<b>E. Miscellaneous Charges</b>							
1	Preparation of Exploration proposal	5.1	5 Hard Copies and Soft Copies	2% of the Total A+B+C+D		₹ 2,83,046.56	2% of approved project cost or 5 lakh whichever is lower

2	Geological Report Preparation	5.2 (ii)	5 Hard Copies and Soft Copies	Total cost exceeding Rs.50 lakh but less than Rs.150 lakhs : 2.5 lakh		₹ 2,50,000.00	
3	Peer review charges		As per EC decision			₹ 30,000.00	
<b>Sub Total of E</b>						₹ 5,63,046.56	
<b>Total of A+B+C+D+E</b>						<b>₹ 1,47,15,374.56</b>	
<b>Provision for GST (18%)</b>						<b>₹ 26,48,767.42</b>	
<b>Total estimated Cost (With GST 18%)</b>						<b>₹ 1,73,64,141.98</b>	
<b>Total estimated Cost</b>						<b>₹ 173.64 Lakhs</b>	
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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

Time schedule/ Action Plan for Preliminary Investigation (G3) for Limestone in North of Krungming area of Dima Hasao district, Assam.

S. No.	Activities	Months											
		1	2	3	4	5	6	7	8	9	10	11	12
1	Camp mobilisation	█	█										
2	Mapping (1:4000)		█	█	█	█							
3	Geologist days in field		█	█	█	█							
4	Sub Surface drilling (2 rig)							█	█	█	█		
5	Survey days												
6	Sampling days				█	█	█	█					
7	Laboratory Studies					█	█	█	█	█			
8	Camp winding									█	█		
9	Geologist days in HQ										█	█	
10	Geological Report Writing											█	█

Review

**Agenda 18.6.6 Reconnaissance Survey for Graphite and associated Minerals around Mankota Area, West Siang District, Arunachal Pradesh.**

**[Implementing Agency: Eartnenviro Lab Private Limited]**

- a) The project in-principally approved in 12<sup>th</sup> TCC-2 and recommended for PSC-II in 13<sup>th</sup> TCC-II for costing approval. The project was deferred back to TCC-II in PSC-II meeting for re-evaluation after the revision of Schedule of Charges of NMEDT.
- b) DGM Arunachal Pradesh informed that the comments of the State Government were not obtained at the time of consideration of the project. Further DGM Arunachal Pradesh informed through mail dated 4.12.2025 that the proposed area may overlap with other planned projects of the State Government or the Central Government, it is requested that the proposal be verified appropriately before further processing.
- c) The committee after due deliberation with DGM Arunachal Pradesh opined that considering the above scenario, the project may be kept on hold until comments from DGM Arunachal Pradesh and other state/central agencies are obtained.

**Recommendation TCC-II**

***The committee kept the proposal on hold the project may be kept on hold until comments from DGM Arunachal Pradesh and other state/central agencies are obtained.***

**Agenda 18.6.7 Reconnaissance Survey (G4) for Vanadium-Titanium in Risewada Lodhiwada Area, Balaghat District, Madhya Pradesh.**

**[Implementing Agency: Gemcokati Private Limited]**

- a) The project was recommended in 12<sup>th</sup> meeting of TCC-II held on 22<sup>nd</sup>, 25<sup>th</sup>, 26<sup>th</sup> & 27<sup>th</sup> August, 2025. In 1<sup>st</sup> PSC meeting held on 9<sup>th</sup> October 2025 the project was referred back to TCC-II as the comments of AMD and MECL were pending.
- b) The comments were received and AMD comments show that there is no ongoing exploration / reconnaissance project in the area.
- c) The comments of MECL show no overlapping with explored block and ongoing blocks.
- d) Cost evaluation of the project has been done as per revised SoC of NMEDT.

**Recommendation TCC-II**

***The committee recommends the proposal (as per revised SoC of NMEDT) for approval of PSC for "Reconnaissance Survey (G4) for Vanadium-Titanium in Risewada Lodhiwada Area, Balaghat District, Madhya Pradesh" with an estimated cost of ₹ 49.38 Lakh (including GST) within the time schedule of 12 months and submission of the report as per Annexures 8A & 8B. The item will be reviewed after 5 months .***

**Estimated Cost For Reconnaissance Survey (G-4) for Vanadium, Titanium and Gallium in Bauxite in Risewada-Lodhiwada Area, Balaghat District, MP.**

**Total area- 60 sq km; Completion Time- 8 Months, Review after 4 Months**

**Implementing Agency: Gemcokati Pvt. Ltd.**

Sl no.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal	Total Amount (Rs)	Remarks
			SoC-Item	Rates as per SoC	Qty.		
			Sl. No.				
1	Large scale (LSM, 1:12500) Geological mapping/Trenching.	Sq Km					
1	Geological mapping (1:12500 scale)	Per Sq km Area	1.1	18300	60	₹ 10,98,000	
2	Charges for Sampler	Per Sampler	1.2.1b	7850	24	₹ 1,88,400	
3	Labour charges for sample work	Four Labour per Sampler	5.8	541	96	₹ 51,936	
	Sub Total A					₹ 13,38,336	
B	MINERAL INVESTIGATION						
	Sampling & Report writing						

1	Geologist man days (1 No) for Large Scale (LSM) Geological mapping / Pitting/Sampling	Per day	1.2.1a	14,500	45	₹ 6,52,500	
2	Labour (field) for (Total 4 Nos i.e. 2 workers per one geologist)	per worker	5.8	541	90	₹ 48,690	
3	Pitting	Per Cub.meter	2.1.2	4725	120	₹ 5,67,000	1mx 2m(Depth) each
4	Geologist man days (1 No) for Geological mapping & Report (HQ)	days	1.2.1a	10,500	30	₹ 3,15,000	
	SubTotal B					₹15,83,190	
C	Laboratory Studies						
i	Major oxides (WD XRF)- (oxides+ traces -24 elements)	per sample	4.1.17 a	4200	100	₹4,20,000	( 20 BRS + 20 Channel Samples + 60 Pit Samples ) (100 Primary + 10 Check samples)
ii	Check samples External (10%)	per sample	4.1.17 a	4200	10	₹42,000	
iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be,Hf,Sn,As,Rb,Th) by ICP-MS (sequential technique)	per sample	4.1.15	7400	60	₹4,44,000	( 60 Pit samples + 6 check samples ) Package of 34 elements including V, Ti, Ga, REE, Co
iv	Check samples External (10%)	per sample	4.1.15	7400	6	₹44,400	
v	XRD analysis for identification of minerals (Random)	per sample	4.5.2	4000	5	₹20,000	

	SubTotal C					₹9,70,400	
D	Petrological / Mineragraphic studies						
4.1	Preparation of standard thin section of rock	per sample	4.3.1	500	5	₹2,500	
4.2	Complete petrographic /ore microscopic study/mineragraphic report of rock sample ( along with 5 nos. digital photo microgrphs)	per sample	4.3.4	2800	5	₹14,000	
4.3	Preparation of polished section	per sample	4.3.2	800	5	₹4,000	
4.4	Study of thin polished section for mineragraphy	per sample	4.3.4	2800	5	₹14,000	
	SubTotal D					₹34,500	
	SubTotal A to D					₹39,26,426	
5	Geological Report Preparation	Nos	5.2	For the projects having cost up to 50 lakhs - A minimum of Rs. 1.5 lakhs	1	₹1,50,000	
6	Preparation of Exploration Proposal	Nos	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less	1	₹78,529	
7	Report Peer Review Charges	lumpsum	As per EC decision	30000	1	₹30,000	
8	Total Estimated Cost without GST					₹41,84,955	
9	Provision for GST (18%)					₹7,53,292	

10	Total Estimated Cost with GST					₹49,38,246	
					<b>Total Estimated Cost</b>	<b>₹ 49.38 Lakhs</b>	
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 Soc SI No. 6 of NMET SoC. In case of execution of the project by NEA/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

<b>Annexure 8B</b>											
<b>Time Schedule/Action plan For Reconnaissance Survey (G-4) for Vanadium, Titanium and Gallium in Bauxite in Risewada- Lodhiwada Area, Balaghat District, MP</b>											
S. No.			1	2	3	4		5	6	7	8
1	Camp Setting	Months/Days					<b>Review</b>				
2	Geological Mapping & Sampling	days									
3	Pitting/Trenching	cu.m									
4	Laboratory Studies	Nos.									
5	Report Writing with Peer Review	months									

**Annexure -1**

**List of participants attended 18<sup>th</sup> meeting of Technical-cum-cost Committee (TCC-II) of NMEDT held on 04<sup>th</sup> and 08<sup>th</sup> December 2025 through video conferencing mode**

S.no	Name	Designation	Email ID	Contact No	Organization
1	Shri. Pradeep Singh	Dy. Director General, GSI, Kolkata	ddg.it@gsi.gov.in	9810233957	Chairman, TCC - II
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5	Shri. Dilip Kanungo	Chief Ore Dressing officer, IBM	codo@ibm.gov.in	8237047897 9405147897	Member TCC-II
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