F. No.: 117/1/2025-NMET/676
Government of India
Ministry of Mines
National Mineral Exploration and Development Trust

9th Floor, Jeevan Prakash Building
25, K. G. Marg, New Delhi
dated:15.10.2026

Subject: Circulation of minutes of 13th meeting of Project Sanctioning Committee of National Mineral Exploration and Development Trust (NMEDT)-reg

Please find enclosed herewith the minutes of the 13th meeting of Project Sanctioning Committee of NMEDT held on 05th October, 2026 for your kind perusal.

Yours faithfully,

15/10/2026.

(**Anju C. S**)
Suptdg. Geologist

Encl: As above

To all attendees of PSC Meeting,

1. Shri N. K. Panda, Regional Director, Southern Region, Atomic Mineral Exploration and Research Directorate, Nagarbhavi, Bangaluru.
2. Shri Abhay Agrawal, Controller of Mines, Indian Bureau of Mines, Nagpur.
3. Shri Alok Kumar, Dy. Secretary, IFD, Ministry of Mines, GPOA3, Zone-5, 4 th Floor, Netaji Nagar, New Delhi.
4. Shri Ravi Dutt, Cost Accounts Officer, NMEDT, Udyog Bhawan, New Delhi.
5. Shri. K Reguram, Under Secretary, Ministry of Petroleum and Natural Gas, Kartavya Bhawan, New Delhi.
6. Shri Gopal Ram, Additional Director Geology (HQ), DMG, Rajasthan.
7. The Joint Director, Dept. of Mines and Geology, Govt. of Andhra Pradesh.
8. The Joint Director, Directorate of Mines and Geology, Govt. of Odisha.
9. The Addl. Director, Mineral Resource Department, Govt. of Chhattisgarh.

10. Shri Bhagwati Prasad Raturi, Ex -GM (Exploration), MECL, Lane N0-7, New Garhwal Colony Near Malsi Puliya, Balawala, Dehradun.
11. Dr. Pankaj Satija, NTH Complex, 4th Floor, A-2 Shaheed Jeet Singh Marg, Qutub Institutional Area, New Delhi.
12. Dr. P Krishnamurthy (Technical Expert, PSC), Flat No. 103, A Block, IGV Apts., Ideal Homes Township, RR Nagar, Bengaluru.
13. Prof. T. K. Biswal, B-4, 101, IIT Bhubaneswar Campus, Argul, Jatni, Khordha, Bhubaneswar, Odisha.

Copy to:

1. The Dy. Director General, PSS, GSI, CHQ, 27 J.L.N. Road, Kolkata, West Bengal.
2. The Dy. Director General and Chairman, TCC-1 and TCC-2, GSI Training Institute, Hyderabad, Telangana.
3. The Director (Mines and Minerals), Directorate of Geology and Mining, Government of Assam.
4. The Commissioner, Commissioner of Geology and Mining, Government of Gujarat.
5. The Director, Mineral Resource Department, Government of Chhattisgarh.
6. The Director, Mines and Geology, Government of Goa.
7. The Director (Mines), Department of Mines and Geology, Government of Jharkhand.
8. The Director, DMG Karnataka, 49, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka.
9. The Director, Directorate of Geology and Mining, Government of Mizoram.
10. The Director, Directorate of Geology and Mining, Government of Maharashtra.
11. The Director, Mineral Resource Department, Government of Madhya Pradesh.
12. The, Director, Directorate of Mineral Resources, Government of Meghalaya.
13. The Director, Directorate of Mines and Geology, Government of Odisha.
14. The Director, Department of Mines and Geology, Government of Punjab.
15. The Director, Department of Geology and Mining, Government of Rajasthan.
16. The Director, Directorate of Geology and Mining, Government of Uttarakhand.
17. The Director, Directorate of Geology and Mining, Govt. of Uttar Pradesh.

18. General Manager (Exploration), CMPDI, Gondwana Place, Kanke Road, Ranchi, Jharkhand.
19. The General Manager (Exploration), Mineral Exploration and Consultancy Limited (MECL), Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur, Maharashtra.
20. The Chairman-cum-Managing Director, KIOCL, Block II, Koramangala, Sarjapura Road, Bengaluru, Karnataka.
21. The Madhya Pradesh State Mining Corporation Ltd. Block 'A', 2nd Floor, Paryawas Bhawan Jail Road, Arera Hills, Bhopal
22. Shri S. Dhanendran, Director/Member Secretary, TCC-1 (Invitee), GSI Training Institute, Hyderabad, Telangana.
23. Shri Sanjay Singh, Director/Member Secretary, TCC-2 (Invitee), GSI, Western Region, Jaipur.
24. Geovale Services Pvt. Ltd., Anaya Chambers, 3rd Floor, Block GN, Plot 38/5, Salt Lake, Sector V, Kolkata.
25. Kartikay Exploration and Mining Services Pvt. Ltd, 199A/18, Chitnavis Marg, Hennesy Rd, Civil Lines, Nagpur, Maharashtra 440001.
26. Ocean Drilling and Exploration Pvt. Ltd., 24 A, Shanti Nagar, BaniVihar, Near Diamond Residency, Jothwara, Jaipur.
27. MMPL Pvt. Ltd., 21, CLM Lane, Raniganj, Dist: Burdwan, West Bengal.
28. Ecomen Mining Pvt. Ltd., 1st Floor, Sy. No. 91/A, Ward No. 7, MCHS Jakkur Layout, Bangaluru.
29. Vardaan Environet LLP, Plot No. 82A, Sector - 5, HSIIDC IMT Manesar, Gurugram, Haryana.
30. Bhushilp Mines and Minerals Pvt. Ltd., 62B, Panjwani Rd, Sindhi Colony, Khamla, Nagpur, Maharashtra.
31. Vibrant Technology Pvt. Ltd., Q-39, Shringarpura, Narayan Vihar Q Block, Bhankrota, Jaipur.
32. Geo Marine Solutions Pvt. Ltd., 11, 7th Cross St, Kannappa Nagar Extension, Kannappa Nagar, Thiruvanmiyur, Chennai, Tamil Nadu.
33. GeoExpOre Pvt. Ltd., 45, 2nd A Main Rd, Basaveshawara HBCS Layout 2nd Stage, Chandra Layout, Bengaluru, Karnataka.
34. Eartnenviro Lab. Pvt. Ltd., Shop no. 36, Chandraloka Market Complex Niladri Vihar, BDA PG II, Sailashree Vihar, Khorda Orissa.

35. United Exploration India Pvt. Ltd., Unit 402, CF Block (Newtown), Action Area 1C, Newtown, Kolkata, West Bengal.
36. FCI Aravali, Gypsum and Minerals Ltd, B Rd, Bhadwasiya, Paota, Jodhpur, Rajasthan.
37. Gemcokati Exploration Private Limited, Plot No. 34, Postal Colony, Bapat Nagar, Nagpur Road, Chandrapur, Maharashtra.
38. BMRC Geomining Solutions Pvt. Ltd. C-20 Sec- C1 LDA colony Kanpur Road Lucknow, Uttar Pradesh.
39. Wattfin Ventures Private Limited, 32, Prakash Aprt., Behind Sengupta Hospital, Ravi Nagar, Nagpur.
40. NRD Tata, Room No. 349, 3rd Floor, Commercial Centre General Office Building, Bistupur, Jamshedpur.
41. My World Consultancy Services, Plot No: 766, Telengapentha, Cuttack, Odisha.
42. Sidhharth Geo Consultant, 621/3, First floor, Behind Life worth hospital, Ramkund, Samta Coloney, Raipur, Chhattisgarh.
43. Unised Research Consultants Private Limited, Head office address: Room No 208B & 209, Research Park, IIT Guwahati.

Copy for information to:

1. PSO to Secretary, Mines/Chairman EC, NMEDT, Ministry of Mines, GPOA-3, 4th Floor, Netaji Nagar, New Delhi Ministry of Mines.
2. PS to Joint Secretary (in-charge of Exploration), Ministry of Mines, GPOA-3, 4th Floor, Netaji Nagar, New Delhi Ministry of Mines.
3. PS to JS&FA, Ministry of Mines, GPOA-3, 4th Floor, Netaji Nagar, New Delhi Ministry of Mines.
4. PS to Director General, National Mineral Exploration and Development Trust, Ministry of Mines.

Ministry of Mines
National Mineral Exploration & Development Trust
Minutes of 13th Project Sanctioning Committee (PSC) meeting, NMEDT
held on 5.10.2026 at 11:00 AM

The 13th meeting of Project Sanctioning Committee (PSC) was held under Chairmanship of Shri Pankaj Garg, Director General, NMEDT on 5.10.2026 at Conference Hall, 9th Floor, Jeevan Prakash Building, New Delhi in hybrid mode. The list of participants is given at Annexure-1. Director (Projects) & Member Secretary, PSC extended a warm welcome to all members and informed that the project proposals recommended in the 11th meeting of Joint TCC, 104th & 105th meetings of TCC-1 and 36th & 37th meetings of TCC-2 were placed before the Committee for consideration and decision.

Joint Technical-cum-Cost Committee

Agenda 13.1: Approval of 2nd and 3rd phase of Regional Mineral Targeting (RMT) project

PSC was informed that the 1st Phase of the RMT project of M/s Geovale Services Pvt. Ltd. was approved in the 8th PSC meeting held on 30.04.2026, at a cost of Rs. 20.44 lakh for a period of 04 months. Upon completion of the 1st Phase of the work, the Joint TCC, in its 11th meeting, recommended the 2nd and 3rd Phases of the project for consideration and approval of the PSC.

Table-1: Details of the RMT project recommended by Joint TCC

Sl. No.	Project/Block Name	Area (in km^2)	Agency	Commodity	Duration (months)	Cost
1	Regional Mineral Targeting in Parts of Lalitpur and Jhansi Districts of Uttar Pradesh and Shivpuri and Tikamgarh Districts of Madhya Pradesh **[11th Joint TCC]**	1000	Geovale Services Pvt. Ltd.	REE and associated minerals	11	3,14,02,351.16 (Refer Annexure-2)

Decision of PSC: PSC approved the 2nd and 3rd phase of the RMT project at a cost of Rs. 3,14,02,351.16 for a period of 11 months, as per table-1.

Technical-cum-Cost Committee-1 (TCC-1)

Agenda 13.2: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committee-1 (TCC-1)

PSC was informed that TCC-1 has recommended following 10 mineral exploration projects proposal with an estimated cost of Rs. 34,08,56,750.54 (Rs. 3408.56 lakhs) for approval of PSC.

Table-2: Details of exploration projects recommended by TCC-1

Amount in Rs.

Sl. No.	Project/Block Name	Area (in km^2)	Agency	Commodity	Stage	Duration (months)	Cost	Comments of PSC
1	Preliminary Exploration (G3) for Iron ore in Bhanu block, District- Uttar Bastar Kanker, Chhattisgarh **[98th TCC-1] [10th PSC] [ME/DD/G3/CT/26-27/048]**	3.3	Kartikay Exploration and Mining Services Pvt. Ltd.	Iron	G3	12	2,11,32,375.36 (Refer Annexure 3)	**Approved**
2	Preliminary Exploration (G3) for Graphite, Vanadium and associated critical minerals in Sundungra Block, District: Champawat, Uttarakhand **[98th TCC-1] [10th PSC] [ME/DD/G3/UK/26-27/249]**	2.4	Ocean Drilling Pvt. Ltd.	Graphite, Vanadium and associated critical minerals	G3	12 (04 months for 1st phase)	~~7,14,46,137~~ 1,18,97,152 (Refer Annexure 4)	**Approved** Only 1st phase including mapping and sampling is approved. 2nd phase will be considered on the basis of the outcome of the 1st phase. Accordingly, cost of the project is revised
3	Preliminary Exploration (G3) for Glauconite and Associated Minerals in Sarsi Block, District: Satna, Madhya Pradesh **[104th TCC-1] [ME/DD/G3/MP/MECL/26-27/022]**	12.60	MECL	Glauconite and associated minerals	G3	9	1,50,30,289 (Refer Annexure 5)	**Approved**
4	Reconnaissance Survey (G4) for Potash and Associated Minerals in Badian Area, Sri Muktsar Sahib District, Punjab **[104th TCC-1] [ME/DD/G4/PB/MECL/26-27/018]**	30	MECL	Potash and Associated Minerals	G4	~~15~~ 10	14,61,74,971 (Refer Annexure 6)	**Approved**

5	Preliminary Exploration (G3) for Graphite and Vanadium bearing minerals in Hatai Block, District: Palamu, Jharkhand **[104th TCC-1] [ME/DD/G3/JH/26-27/227]**	2.95	BMRC Geomining Solutions Pvt Ltd.	Graphite and Vanadium bearing minerals	G3	12	1,89,78,698 (Refer Annexure 7)	**Approved**
6	Preliminary Exploration (G3) for Limestone in Kabir Ki Basti Block, District: Jaisalmer, Rajasthan **[104th TCC-1] [ME/DD/G3/RJ/26-27/239]**	7.66	FAGMIL	Limestone	G3	12	1,49,80,737 (Refer Annexure 8)	**Approved**
7	Preliminary Exploration (G3) for Limestone in Lakadong Block, District: East Jaintia Hills, Meghalaya **[104th TCC-1] [ME/DD/G3/ML/26-27/257]**	5	DMR Meghalaya	Limestone	G3	~~15~~ 12	2,49,45,444 (Refer Annexure 9)	**Approved**
8	Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block 1A (2.41 sq km) and Block 2A (3.46 sq km), Rewa District, Madhya Pradesh **[105th TCC-1] [ME/DD/G3/MP/26-27/214]**	5.87	MMPL Pvt. Ltd.	Aluminous Laterite and associated critical minerals	G3	10	87,79,112.32 (Refer Annexure 10)	**Approved**
9	Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block B, Rewa District, Madhya Pradesh **[105th TCC-1] [ME/DD/G3/MP/26-27/210]**	6.34	MMPL Pvt. Ltd.	Aluminous Laterite and associated critical minerals	G3	10	89,04,425.14 (Refer Annexure 11)	**Approved**
10	Reconnaissance survey for source rock of diamond in Sunwaha block (G4) 470 sq. km. district- Chattarpur, Madhya Pradesh **[105th TCC-1] [ME/DD/G4/MP/26-27/265]**	470	Gemcokati Exploration Pvt. Ltd.	Diamond	G4	~~12~~ 10	1,04,84,562 (Refer Annexure 12)	**Approved**
						Total	28,13,07,765.82	

Decision of PSC: PSC approved 10 exploration projects, as mentioned against respective NPEAs/NEAs in table-1, with a total cost of Rs. 28,13,07,765.82. It was informed to all agencies that the provision of **imposition of Liquidated Damages for delay** in execution of

sanctioned projects has been inserted in the Schedule of Charges of NMEDT. Therefore, PSC instructed all the agencies to complete the projects within the approved timelines.

Agenda 13.3: Approval of cost revision of ongoing projects along with timeline extension (if any) recommended by TCC-1

PSC was apprised that TCC-1 has recommended cost revision with timeline extension (if any) of following 5 projects for approval of PSC.

Table-3: Details of projects recommended by TCC-1 for cost revision

S. No.	Block/Project	Agency	Approved cost (Rs.)	Revised cost (Rs.)	Change in Cost (Rs.)	Timeline Extension	Remarks	Comments of PSC
1	Financial assistance from NMET funds to procure machinery/ laboratory equipment /instruments etc. aimed at enhancing the exploration activities **[104th TCC-1]**	DGM Jharkhand	5,27,90,000	2,04,00,000	(-) 32,390,000	31.01.27	DMG Jharkhand has already procured Brunton Compass, Geological Hammer and work order issued for ICP-MS. Agency unable to procure Digital Camera, GPS, core splitter, press palette machine, grinding-polishing machine, microscope, WD XRF, fusion bead machine and proximate analyser due to cancellation of bids.	**Approved** PSC observed that the project was sanctioned on 18.08.2023 and an advance of Rs. 2.11 crore was sanctioned to DGM, Jharkhand. So far, the agency has procured only 03 items amounting to Rs. 2.04 crore. PSC instructed the **agency to return the unutilized balance amount to NMEDT.**
2	Reconnaissance Survey (G4) for Gold in Yediyur area, Yediyur - Karighatta schist belt, Mandya district, Karnataka **[104th TCC-1]**	KIOCL	12,916,573	13,342,857	(+) 4,26,284	30.11.26	Cost enhanced due to increase in the number of samples for carrying out Au analysis and related sampler charges	**Approved**

							(sample increased from 275 nos. to 375 nos.).	
3	Reconnaissance Survey (G4) for Glauconite Sandstone in Magarlod area, Dhamtari District, Chhattisgarh **[104th TCC-1]**	DGM Chhattisgarh	8,489,151	8,351,149	(-) 1,38,002	31.12.26	Cost reduced due to removal of pitting trenching component and addition of chemical analysis for REE. Timeline extension required to complete the work and submission of report.	**Approved**
4	General Exploration (G-2) for Molybdenum in Vellakkal Central Block, Uttangarai Sector, Harur-Uttangarai Belt (HUB), District-Krishnagiri, Tamil Nadu **[104th TCC-1]**	MECL	112,117,537	111,940,033	(-) 177,504	31.01.27	Ore beneficiation charges added. Earlier inadvertently higher amount was given towards report preparation charges which has been rectified. As a result overall cost of the project is reduced.	**Approved**
5	Reconnaissance survey (G4) for Gold and Associated Minerals in Parma area (133 sq. km), Singrauli District, Madhya Pradesh **[104th TCC-1]**	MECL	18,686,588	19,145,068	(+) 458,480	31.12.26	Due to increase in following sample analysis: a. ICP MS: 10 nos. channel samples b. XRF: 22 nos. samples	**Approved**

Decision of PSC: PSC approved the cost revision of 05 projects, as per table-3.

Agenda 13.4: Approval of pre-closure/surrender of ongoing projects along with timeline extension (if any) recommended by TCC-1

PSC was apprised that TCC-1 has recommended pre-closure/surrender of following 02 ongoing projects for approval of PSC.

Table-4: Details of the project recommended by TCC-1 for pre-closure/surrender of ongoing exploration projects

S. No.	Block/Project	Agency	Approved cost (Rs.)	Revised cost (Rs.)	Change in Cost (Rs.)	Timeline Extension	Remarks	Comments of PSC
1	Preliminary Exploration (G3) for Bauxite, Vanadium, Gallium and associated minerals around Patgaon and Somlewadi villages (Patgaon Block), Sindhudurg district, Maharashtra **[104th TCC-1]**	Geo Marine Solutions Pvt. Ltd.	22,850,798	449,471	(-) 22,401,327	15.10.26	Work could not be carried out due to local agitation. Timeline extension required to submit the GR. Project may be pre-closed	**Approved**
2	Preliminary Exploration (G-3) for Bauxite, Vanadium, Gallium and associated minerals around Pendhri village (Pendhri Block), Sindhudurg District, Maharashtra **[104th TCC-1]**	Geo Marine Solutions Pvt. Ltd.	2,26,33,992	-	-	15.10.26	Work not initiated due to local agitation. Project may be surrendered.	**Approved**

Decision of PSC: (i) PSC approved the pre-closure of project at Sl. No. 1 and also approved the surrender of project at Sl. No. 2, as mentioned in table-4.

(ii) It was informed that henceforth in cases of delay in execution of projects, the **exploration agencies shall clearly inform the reasons for delay**, alongwith **proper justification/documentary evidence** and the efforts made by them to execute the project, **to the TCC, which would recommend timeline extention with or without LD in each such case.**

Agenda 13.5: Approval of change of title of ongoing exploration project along with timeline extension (if any)

PSC was apprised that TCC-1 has recommended change of title of 02 ongoing exploration projects for approval of PSC.

Table-5: Details of project recommended by TCC-1 for change of title of ongoing exploration projects

Sl. No.	Title of the project	Agency	Changed title of the project with stage of exploration	Timeline extension	Remark	Comments of PSC
1	Preliminary Exploration (G3) for Gold in Kanivihalli Block, **Davangere District**, Karnataka State **[104th TCC-1]**	Geovale Services Pvt. Ltd.	Preliminary Exploration (G3) for Gold in Kanivihalli Block, **Vijayanagara District**, Karnataka State	31.12.26	Timeline extension is required for completion of Phase-1 and Phase -2 activities of the project.	**Approved**
2	Reconnaissance Survey (G-4) for Tungsten, REE and Associated minerals in and around Nellie Area (**114.96 sq. km), Morigaon and West Karbi Anglong Districts**, Assam	MECL	Reconnaissance Survey (G-4) for Tungsten, REE and Associated minerals in and around Nellie Area **(51.37 sq. km), Morigaon District**, Assam	-	The area entirely falls under Morigaon district.	**Approved** PSC observed that the title of the project with an area of 114.96 km^2 was approved in 37th EC meeting. However, the costing of the project was done on the basis of 51.37 km^2 and there is no cost implication.

Decision of PSC: PSC approved the change of title of ongoing exploration project along with timeline extension, as mentioned in table -5.

Agenda 13.6: Approval of exploration project with revised title and revised timeline

PSC was apprised that TCC-1 at its 102nd meeting has recommended the proposal of Ecomen Mining Pvt. Ltd. with revised title and cost (as per revised SoC) along with revised timeline, for approval of PSC.

Table-6: Details of project recommended by TCC-1 for revision of title, change of stage of exploration along with revised timeline							
Sl. No.	**Title of the project**	**Agency**	**Changed title of the project with stage of exploration**	**Approved Cost (Amount in Rs.)**	**Duration /Revised timeline**	**Remark**	**Comments of PSC**
1	Detailed Exploration (G2) for Bauxite and Aluminous Laterite in Byndoor Block, Udupi District, Karnataka **[102nd TCC-1] [12th PSC]**	Ecomen Mining Pvt. Ltd.	Preliminary (G3) Exploration for Bauxite/Aluminous Laterite mineralization in Byndoor Block, Udupi District, Karnataka	97,39,332 (Initial cost of the project was Rs. 2,25,47,386 and was sanctioned on 1.07.25)	10 months	Initially the project was allotted to the agency in the name of Ecomen Lab. Pvt. Ltd. After the expiry of its initial notification, the agency got re-notified in the name of Ecomen Mining Pvt. Ltd. As the work in the project was not initiated prior to de-notification, the TCC recommended the proposal with revised cost as per revised SoC along with the issuance of new sanction order in the name of Ecomen Mining Pvt. Ltd. The project was deferred in 12th PSC as the agency was not present in the meeting.	Approved for G-3 stage exploration.

Discussion: Shri Abhay Agarwal, COM, IBM, informed that, pursuant to the amendment to the MEMC Rules in 2021, a new proviso was introduced under Rule 5 for bedded, stratiform and tabular deposits of homogenous nature as prescribed under Schedule-II of these rules. The proviso stipulates that for the minerals specified in Schedule-II at least preliminary exploration (G3) is required to establish inferred mineral resources (333), which shall be considered akin to indicated mineral resources (332) for the purpose of considering the block for auction, under a Mining Lease. Accordingly, the project may be downgraded from G2 to G3 level of investigation.

Dr. S. Ravi, Chairman, TCC-1 and TCC-2, apprised that, in case the State Government is unable to auction the block due to gaps in the exploration data, the project may subsequently be considered for G2-level exploration to address the data gaps.

Decision of PSC: PSC approved the proposal of Ecomen Mining Pvt. Ltd. with modified title, stage of exploration, revised cost (as per revised SoC) along with revised timeline, as per table-6.

Agenda 13.7: Approval of timeline extension of ongoing exploration/ procurement projects, recommended by TCC-1

PSC was apprised that TCC-1 has recommended timeline extension of following 24 ongoing mineral exploration projects, for approval of PSC.

Table-7: Details of project recommended by TCC-1 for timeline extension

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Sanction Order and originally approved timeline details	Remarks	Comments of PSC
1	Preliminary Exploration (G-3) for Iron and Manganese mineralization in Ramghad Block, Bellari District, Karnataka **[102nd TCC-1] [12th PSC]**	DGM Karnataka (M/s Ecomen Mining Pvt. Ltd.)	9.12.25	28.02.27	Sanction Order was issued on 10.06.24 Original date of completion was 09.06.25	For completion of work (It was deferred by PSC as the agency was not present in the meeting)	**Approved**
2	Procurement of machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities **[104th TCC-1]**	DGM Rajasthan (Project-1)	30.09.26	31.03.27	Sanction Order was issued on 24.03.23 Original date of completion was 23.03.24	For completion of procurement	**Not Approved** PSC observed that the agency has procured only 07 items amounting to Rs. 2.02 crore and requires additional time to complete the project. During discussion, the agency conveyed that the procurement would not be completed by 31.3.27. Therefore, **PSC instructed the agency to close the project, return the unutilized balance amount to NMEDT and submit UC for the utilized amount.**
3	Financial assistance from NMET funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities **[104th TCC-1]**	DGM Rajasthan (Project-2)	30.09.26	31.03.27	Sanction Order was issued on 20.06.24 Original date of completion was	For completion of procurement	**Not Approved** PSC observed that the project was sanctioned on 20.06.2024, and the procurement process for the approved instruments is yet to be initiated. Considering the prolonged delay in initiating the

					28.05.25		procurement process, PSC advised the agency to close the project, return the unutilized balance available, if any and submit UC for the utilized amount.
4	Reconnaissance Survey (G-4 Stage) of Graphite, Korapara East Block, Bankura District, West Bengal **[104th TCC-1]**	MMPL Pvt. Ltd.	09.09.26	09.11.26	Sanction Order was issued on 10.02.25 Original date of completion was 09.12.25	Drilling stopped due to local resistance from Joint Forest Management Committee	**Approved**
5	Preliminary Exploration for Tungsten and Associated Minerals in Bodkipet block (Intervening area between Kuhi and Khobna blocks), District Nagpur, Maharashtra **[104th TCC-1]**	MECL	31.08.26	30.11.26	Sanction Order was issued on 24.02.25 Original date of completion was 23.02.26	For completion of sample analysis and submission of report	**Approved**
6	Preliminary Exploration (G-3) for Aluminous Laterite, Vanadium and Associated Minerals in Kolathur block, Kasaragod District, Kerala **[104th TCC-1]**	MECL	31.08.26	31.01.27	Sanction Order was issued on 20.06.25 Original date of completion was 19.06.26	For completion of drilling and submission of report.	**Approved**
7	Preliminary Exploration (G3) for Graphite in Dahita Block, District Bargarh, Odisha **[104th TCC-1]**	MECL	07.09.26	31.01.27	Sanction Order was issued on 08.09.25 Original date of completion was 07.09.26	For completion of drilling, chemical analysis & GR submission	**Approved**
8	Preliminary Exploration (G-3) for Molybdenum in Vellakkal North	MECL	30.09.26	31.12.26	Sanction Order was	For chemical analysis and	**Approved**

	Block (2.90 Sq. km) & Vellakkal South Block (1.55 Sq. km) Uttangarai Sector, Harur-Uttangarai Belt (HUB), District-Krishnagiri, Tamil Nadu **[104th TCC-1]**				issued on 12.12.24 Original date of completion was 11.03.26	submission of report	
9	Reconnaissance survey (G4) for REE and Associated Minerals in Nokhaniya area (101.65 sq. km), Kachchh District, Gujarat **[104th TCC-1]**	MECL	31.07.26	30.11.26	Sanction Order was issued on 04.09.25 Original date of completion was 03.07.26	For submission of GR	**Approved**
10	Reconnaissance Survey (G4) for REE, Glauconite and Associated Minerals in Devpur area (138.52 sq.km), Kachchh District, Gujarat **[104th TCC-1]**	MECL	31.03.26	30.11.26	Sanction Order was issued on 19.03.25 Original date of completion was 18.01.26	For completion of chemical analysis & GR submission	**Approved**
11	Reconnaissance survey (G4) for REE, RM, Glauconite and Phosphorite in Devisar area (102.70 sq. km), Kachchh District, Gujarat **[104th TCC-1]**	MECL	17.04.26	30.11.26	Sanction Order was issued on 19.03.25 Original date of completion was 18.01.26	For completion of chemical analysis & GR submission	**Approved**
12	Reconnaissance survey (G4) for REE and Associated Minerals in Pipargaon area, West Karbi Anglong District, Assam **[104th TCC-1]**	MECL	18.08.26	30.11.26	Sanction Order was issued on 20.06.25 Original date of completion was 19.05.26	For completion of chemical analysis & GR submission	**Approved**
13	Preliminary exploration (G3) for Aluminous Laterite,	MECL	31.08.26	31.01.27	Sanction Order was	To complete drilling and	**Approved**

	Vanadium and Associated Minerals (V, Ga & REE) in Kallar block, Kasaragod District, Kerala **[104th TCC-1]**				issued on 08.09.25 Original date of completion was 07.07.26	submission of GR	
14	Preliminary Exploration (G-3) for Copper and Associated Minerals in Jaridih Pipradih Block, District-Giridih, Jharkhand **[104th TCC-1]**	MECL	11.09.26	15.11.26	Sanction Order was issued on 13.12.24 Original date of completion was 14.03.26	Submission of GR	**Approved**
15	Reconnaissance survey for Nickel, Cobalt, PGE and Chromium in and around Lungher and Sihai area, Ukhrul district, Manipur **[104th TCC-1]**	UEIPL	05.02.26	31.03.27	Sanction Order was issued on 06.06.24 Original date of completion was 05.06.25	Local agitation delayed the work. Extension is given to complete the work.	**Approved**
16	Preliminary Exploration for Nickel, Cobalt, Chromium & PGE minerals in Gamnom Block, Kamjong District, Manipur **[104th TCC-1]**	UEIPL	05.07.26	31.03.27	Sanction Order was issued on 06.06.24 Original date of completion was 05.06.25	Project delayed due to law and order issue in Manipur and delay in obtaining forest permission	**Approved**
17	Reconnaissance Survey (G4) for Graphite and associated Minerals in Mankota North Area, District: Upper Siang, Arunachal Pradesh **[104th TCC-1]**	Eartnenviro Lab Pvt. Ltd.	25.09.26	10.02.27	Sanction Order was issued on 26.03.26 Original date of completion was 25.09.26	To complete the work and submission of report (Work delayed due to monsoon)	**Approved**
18	Reconnaissance Survey, G-4 for Graphite and	Vardan Environet LLP	12.09.26	15.11.26	Sanction Order was	To complete the analysis	**Approved**

	associated mineralization in Phandka-Ghatakhera Area, Betul District, Madhya Pradesh **[104th TCC-1]**				issued on 13.11.25 Original date of completion was 12.09.26	and submission of report.	
19	Reconnaissance Survey (G4) for Aluminous laterite and associated critical minerals in Nakhare area, Ratnagiri District, Maharashtra **[104th TCC-1]**	Bhushilp Mines and Minerals Pvt Ltd.	03.10.26	03.01.27	Sanction Order was issued on 04.12.25 Original date of completion was 03.10.26	To complete the drilling and submission of report	**Approved**
20	Procurement of machinery/ laboratory equipment/instruments etc. aimed at enhancing the exploration activities. **[105th TCC-1]**	DGM Mizoram	30.09.2026	31.12.26	S.O issued on 24.03.2023 Original approved Scheduled Date of Completion was 23.03.2024	For completion of procurement	**Approved**
21	Reconnaissance Survey (G-4 Stage Exploration) For Phosphorite & associated minerals in Kaphalda Block, Districts: Dehradun & Tehri Garhwal, State: Uttarakhand **[105th TCC-1]**	MECL	30.08.26	30.09.2026	S.O issued on 05.03.2025 Original approved Scheduled Date of Completion was 04.03.2026	For Final GR submission	**Approved**
22	Preliminary Exploration Survey (G3) of Iron Ore and associated minerals in Bamuri Block, Sidhi District, Madhya Pradesh	M/s MMPL Pvt Ltd	30.09.26	30.11.2026	S.O issued on 06.01.2025 Original approved Scheduled	*Analytical results of few samples awaited.* For Final GR submission	**Approved**

	[105th TCC-1]				Date of Completion was 05.01.2026		
23	Reconnaissance Survey (G4) for REE & RM mineralization in Bande Saver area (129 Sq.km), District: Uttar Bastar Kanker District, Chhattisgarh **[105th TCC-1]**	M/s. Gemcokati Exp. Pvt. Ltd.	12.09.26	15.11.2026	S.O issued on 13.11.2025 Original approved Scheduled Date of Completion was 12.09.2026	Submission of GR	**Approved**
24	Reconnaissance Survey (G-4) for Vanadium, Titanium and Gallium in Bauxite in Risewada-Lodhiwada Area, Balaghat District, MP **[105th TCC-1]**	M/s. Gemcokati Exp. Pvt. Ltd.	07.09.26	15.11.2026	S.O issued on 08.01.2026 Original approved Scheduled Date of Completion was 07.09.2026	Submission of GR	**Approved**

Decision of PSC: PSC approved the timeline extension of 22 projects and did not approved 02 projects at Sl. No. 2 and 3, as per table-7.

Technical-cum-Cost Committee-2 (TCC-2)

Agenda 13.8: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committee-2 (TCC-2)

PSC was apprised that TCC-2 has recommended following 15 mineral exploration project proposals with estimated cost of Rs. 24,12,02,569 (~2412.02 lakhs) for approval of PSC.

Table-8: Details of mineral exploration projects recommended by TCC-2 for approval

Amount in Rs.

Sl. No.	Project/Block Name	Area (in km^2)	Agency	Commodity	Stage	Duration (months)	Cost	Comments of PSC
1	Reconnaissance survey (G4) for Ni, Cr, PGE and other critical minerals in Junnar area, District, Pune, Maharashtra. **[34th TCC-2] [ME/DD/G4/MH/26-27/098]**	100	Wattfin Ventures Private Limited	Ni, Cr, PGE and other critical minerals	G4	10	1,21,31,982 (Refer Annexure 13)	**Approved**
2	Preliminary exploration (G3) for Bauxite, Aluminous Laterite and associated critical minerals in Chapekhol block, District, Sindhudurg, Maharashtra. **[34th TCC-2] [ME/DD/G3/MH/26-27/108]**	6.76	Wattfin Ventures Private Limited	Bauxite, Aluminous Laterite and associated critical minerals	G3	12	1,21,94,155 (Refer Annexure 14)	PSC observed that 02 projects have been surrendered in Sindhudurg District due to local agitation. PSC **approved** the project **subject to condition** that, in the event of failure by the agency to execute the project due local agitation, no payment shall be made to the agency. The agency shall furnish a written undertaking in this regard.
3	Preliminary exploration (G3) of Barium, Vanadium and associated mineralization in Baswari Block, Tehsil-Pati, District	1.54	Vibrant Techno Lab Private Limited	Barium, Vanadium and associated mineralization	G3	12	3,44,50,941 (Refer Annexure 15)	**Approved**

	-Champawat, Uttarakhand **[36th TCC-2] [ME/IND/G3/UK/P/26-27/018]**							
4	Reconnaissance Survey (G4) for Titanium-bearing Magnetite-Ilmenite mineralization in Lohari area, Korea, Manendragarh -Chirmiri-Bharatpur districts, Chhattisgarh **[36th TCC-2] [ME/DD/G4/CT/26-27/167]**	95.2	Siddharth Geo Consultant	Titanium-bearing Magnetite-Ilmenite mineralization	G4	10	1,38,34,123 (Refer Annexure 16)	**Approved**
5	Preliminary exploration (G3) for Aluminous Laterite, Vanadium & associated minerals in Alorna-Ibrampur block, North Goa district, Goa **[36th TCC-2] [ME/DD/G3/GA/26-27/151]**	4.3	BMRC Geomining Solutions Pvt Ltd	Aluminous Laterite, Vanadium & associated minerals	G3	12	89,39,852 (Refer Annexure 17)	**Approved**
6	Reconnaissance Survey (G-4) for Vanadium, Graphite and Associated Minerals in Simrar-Birkhan Area, Nainital District, Uttarakhand **[36th TCC-2] [ME/DD/G4/UK/MECL/26-27/014]**	56.23	MECL	Vanadium, Graphite and Associated Minerals	G4	~~12~~ 10	1,24,49,817 (Refer Annexure 18)	**Approved**
7	Preliminary exploration (G3) of Graphite in Ejamar North block, Latehar district, Jharkhand **[36th TCC-2] [ME/DD/G3/JH/26-27/240]**	4.8	MMPL Pvt. Ltd.	Graphite	G3	12	1,80,47,676 (Refer Annexure 19)	**Approved**
8	Reconnaissance survey (G4) for Graphite in Ejamar South area, Latehar district, Jharkhand **[36th TCC-2] [ME/DD/G4/JH/26-27/119]**	21.90	MMPL Pvt. Ltd.	Graphite	G4	10	1,00,23,995 (Refer Annexure 20)	**Approved**
9	Preliminary exploration (G3) for Glauconite and other Critical minerals in Khari Piparwasi block, Sheopur District, Madhya Pradesh **[36th TCC-2] [ME/DD/G3/MP/26-27/162]**	13.80	MMPL Pvt. Ltd.	Glauconite and other Critical minerals	G3	12	1,44,12,835 (Refer Annexure 21)	**Approved**

10	Reconnaissance survey (G4) for Nickel and associated minerals around Manpur-Chardiha area in East Singhbhum District, Jharkhand **[36th TCC-2] [ME/DD/G4/JH/26-27/141]**	40.02	NRD Tata	Nickel and associated minerals	G4	10	1,46,99,331 (Refer Annexure 22)	**Approved**
11	Reconnaissance survey (G4) for Aluminous Laterite, Bauxite and associated Critical Minerals in Guhagar area, Ratnagiri District, Maharashtra **[37th TCC-2] [ME/IND/G4/MH/P/26-27/024]**	44	Unised Research Consultants Private Limited	Aluminous Laterite, Bauxite and associated Critical Minerals	G4	10	71,40,917 (Refer Annexure 23)	**Approved**
12	Reconnaissance Survey (G4) for Nickel, Gold and associated critical minerals in Jharbandh-Pagarpani-Bandhamunda area, Bargarh district, Odisha **[37th TCC-2] [ME/IND/G4/OD/P/26-27/028]**	100	My World Consultancy Services Private Limited	Nickel, Gold and associated critical minerals	G4	10	1,31,06,272 (Refer Annexure 24)	**Approved**
13	Reconnaissance Survey (G4) for REE and associated minerals in Mawriyap-Sarucha Area, West Karbi Anglong Districts, Assam **[37th TCC-2] [ME/DD/G4/AS/MECL/26-27/020]**	107.86	MECL	REE and associated minerals	G4	~~15~~ 10	2,30,36,482 (Refer Annexure 25)	**Approved**
14	Preliminary Exploration (G3) for REE and associated minerals in Mawthong Shngimawlein Block, South West Khasi Hills District, Meghalaya **[37th TCC-2] [ME/DD/G3/ML/MECL/26-27/023]**	8.56	MECL	REE and associated minerals	G3	~~15~~ 12	3,47,50,933 (Refer Annexure 26)	**Approved**
15	Preliminary Exploration (G3) for Vanadium, Aluminous Laterite & Associated Minerals in	4.42	BMRC Geomining Solutions Pvt Ltd	Vanadium, Aluminous Laterite & Associated Minerals	G3	12	1,19,83,258.01 (Refer Annexure 27)	**Approved**

	Banhara Block, Katni District, Madhya Pradesh **[37th TCC-2] [ME/DD/G3/MP/26-27/247]**							
						Total Cost	24,12,02,569	

Discussion: Dr. Pankaj Satija, Technical Expert advised that a composite map may be shown for better visual presentation where project area is closer like Sirmaur- Kevati Block 1A (2.41 sq. km.) and Block 2A (3.46 sq km), Rewa District, Madhya Pradesh and Block B, Rewa District, Madhya Pradesh.

In this regard, Dr. S. Ravi informed that a composite map would be shown for the adjacent blocks which are adjacent to each other.

Decision of PSC: PSC approved 15 exploration projects, as mentioned against respective NPEAs/NEAs in table-8, with a total cost of Rs. 24,12,02,569.

Agenda 13.9: Approval of cost revision of ongoing exploration projects with timeline extension (if any), recommended by TCC-2

PSC was informed that TCC-2 has recommended cost revision with timeline extension of following 02 projects for approval of PSC.

Table-9: Details of projects recommended by TCC-2 for revision of cost

S. No.	Block/Project	Agency	Approved cost (Rs.)	Revised cost (Rs.)	Change in Cost (Rs.)	Timeline extension	Remarks	Comments of PSC
1	Preliminary Exploration (G-3) for Graphite in Jhab Block, Dahod District, Gujarat	MECL	4,74,61,246	4,99,79,300	(+) 25,18,054	22.03.27	Due to cost revision for Vanadium analysis by SoC (2020) clause 4.1.15a (XRF technique) Timeline extension required for obtaining forest permission and carrying out drilling.	**Approved**
2	Preliminary Exploration (G3) for Vanadium, Graphite, Barium and other associated minerals in Chaura-Maunkanda Block, Champawat	Ocean Drilling and Exploration Private Limited	75,66,290	7,86,80,413	(+) 7,11,14,123	-	Phase-2 of the project components are added. 2 times multiplication factor added in all field components of Phase-1 and Phase-2.	**Approved**

	District, Uttarakhand							

Decision of PSC: PSC approved the revised cost of ongoing exploration projects, as per table-9.

Agenda 13.10: Approval of timeline extension of ongoing exploration/ procurement projects, recommended by TCC-2

PSC was informed that TCC-2 has recommended timeline extension of following 10 mineral exploration/procurement projects, for approval of PSC.

Table-10: Details of projects recommended by TCC-2 for timeline extension

S. No.	Block/Project	Agency	Scheduled date of completion	Required timeline (up to)	Sanction Order and originally approved timeline details	Remarks	Comments of PSC
1	Preliminary exploration (G-3) for Magnetite and associated minerals in Pipradih Area , District: Giridih, State: Jharkhand **[36th TCC-2]**	CMPDIL	31.07.26	15.09.26	S.O issued on 13.12.24 Original approved Scheduled Date of Completion was 12.08.25	Submission of GR	**Approved**
2	Reconnaissance Survey (G-4) for REE and associated Minerals in Ektala-Rajanpalli and Jogiapali-Gobindpur area, Nayanars District, Odisha **[37th TCC-2]**	MECL	19.04.26	15.11.26	S.O issued on 20.06.25 Original approved Scheduled Date of Completion was 19.04.26	Submission of GR	**Approved**
3	Reconnaissance Survey (G4) for REE and associated minerals in Nakchi area, Angul District, Odisha **[37th TCC-2]**	MECL	09.09.26	15.11.26	S.O issued on 10.11.25 Original approved Scheduled Date of Completion was 09.09.26	Submission of GR	**Approved**
4	Preliminary Exploration (G-3) for Potash in Lakhasar East Extension Block, Lakhasar Sub Basin, District- Bikaner, Rajasthan **[37th TCC-2]**	MECL	12.09.26	28.02.27	S.O issued on 13.12.25 Original approved Scheduled Date of Completion was 12.03.26	Completion of drilling and submission of GR	**Approved**
5	Reconnaissance Survey (G-4) for Bauxite and	MECL	07.07.26	31.10.26	S.O issued on 08.09.25	Submission of GR	**Approved**

	associated Minerals in Kukma area, District– Kachchh, Gujarat **[37th TCC-2]**				Original approved Scheduled Date of Completion was 07.07.26		
6	Preliminary Exploration (G-3) for REE minerlization in Maravapaliyam Block, District-Tiruppur, Tamil Nadu **[37th TCC-2]**	MECL	30.09.26	31.10.26	S.O issued on 22.10.24 Original approved Scheduled Date of Completion was 07.07.26	Submission of GR	**Approved**
7	Preliminary (G3) exploration for Glauconite and associated minerals in Pitupura block, Karauli District, Rajasthan **[37th TCC-2]**	GeoExp Ore Pvt. Ltd	05.07.26	05.04.27	S.O issued on 06.01.25 Original approved Scheduled Date of Completion was 05.07.26	Completion of drilling and submission of GR (The agency was de-notified from 2.5.2025 to 29.10.2025)	**Deferred since** the agency was not present at the meeting
8	Reconnaissance Survey (G-4) for REE in Jeerawal (W) - Rohua area, district Sirohi, Rajasthan **[37th TCC-2]**	FAGMIL	09.09.26	09.12.26	S.O issued on 10.11.25 Original approved Scheduled Date of Completion was 09.09.26	For completion of remaining exploration work and submission of GR	**Approved**
9	Preliminary Exploration (G3) for Potash mineralization in Kalu Block, Bikaner District, Rajasthan **[37th TCC-2]**	FAGMIL	09.09.26	31.12.26	S.O issued on 10.11.25 Original approved Scheduled Date of Completion was 09.09.26	For completion of remaining exploration work and submission of GR	**Approved**
10	Reconnaissance survey (G4) for Phosphorite in Bijawar-Imiliya block, Chhattarpur district, Madhya Pradesh **[37th TCC-2]**	MPSMC	10.02.26	31.12.26	S.O issued on 12.12.23 Original approved Scheduled Date of Completion was 11.12.24	For peer review and submission of GR	**Approved**

Decision of PSC: PSC approved the timeline extension of the 09 projects and deferred 01 project at Sl. No. 7, as per table-10.

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Annexure-1

List of Participant

Sl. No.	Name	Designation	Position	Mode of joining
1	Shri. Pankaj Garg	Director General, NMEDT	Chairman	Physical
2	Shri. N K Panda	Regional Director, SR, AMD	Member, ex officio	Online
3	Shri. K. Reguram	Under Secretary, MoPNG (Representative)	Member, ex officio	Online
4	Smt. Geetika Sharma	Director & HoD, NMEDT	Member Secretary	Online
5	Shri. Alok Kumar	Dy. Secretary, IFD, Mines	Member, ex officio	Online
6	Shri. Jayant Naik	Director, M-II, GSI	Member, ex officio	Online
7	Shri. Abhay Agarwal	Controller of Mines (NZ), IBM	Member, ex officio	Online
8	Shri. Ravi Dutt	Cost Accounts Officer	Member, ex officio	Physical
9	Shri. Kailash Dongre	Addl. Director, MRD, Chhattisgarh	Member, ex officio	Online
10	Shri. O. P. Jangid	Sr. Geologist, Representative of Addl. Director, DGM Rajasthan	Member, ex officio	Online
11	Shri T Rajasekhara	Dy. Director, DGM Andhra Pradesh	Member, ex officio	Online
12	Smt. S M Monalisa	Joint Director, DMG Odisha	Member, ex officio	Online
13	Shri. B. P. Raturi	Technical Expert		Online
14	Shri. Pankaj Satija	Technical Expert		Online
15	Dr. P Krishnamurthy	Technical Expert		Online
16	Prof. T. K. Biswal	Technical Expert		Online
17	Dr. S Ravi	Dy. D. G. and Chairman, TCC-1	Special Invitee	Online
18	Shri. Sanjay Singh	Director and Member Secretary, TCC-2	Special Invitee	Online
19	Shri. S Dhanendran	Director and Member Secretary, TCC-1	Special Invitee	Online

Annexure 2

Estimated Cost for Regional Mineral Targeting in Parts of Lalitpur and Jhansi Districts of Uttar Pradesh and Shivpuri and Tikamgarh Districts of Madhya Pradesh
For Complete Project: Total area: 1000 sq. km; Total Borehole: 10 Nos. (Tentative); Total drilling meterage: 2000m; Timeline: 24 Months; Review: 6, 12 months & 18 months
For 2nd & 3rd phase: Timeline: 11 months; Review after completion of 3 and 7 months from the date of initiation of 2nd phase
Name of the Exploration Agency: Geovale Services Pvt. Ltd.

S.N	Item of work	Unit	Rates as per NMEDT SoC				Remarks
			SoC-Item -Sl No.	Rates as per SOC	Quantum	Total Amount (Rs)	
Phase II							
1	**Geological Mapping & sampling**	1000 sq km					
a	Geologists (HQ) days (1 No)	1 geologist/ day	1.2.1a (a)	10,500.00	50	525,000.00	
b	Geologist field-days	1 geologist/ day	1.2.1a (b)	14,500.00	120	1,740,000.00	
c	Labor (Field days)	per labor day	5.8	556.00	240	133,440.00	
	Sub-Total 1					**2,398,440.00**	
2	**Pitting**	per cu.m	2.1.2	4,725.00	300	1,417,500.00	No of samples 150
	Sub-Total 2					**1,417,500.00**	
3	**Laboratory Studies**						
	Geochemical Analysis for regional and detail survey						400 BRS; 200 SS;m 200 Soil samples and 150 pitting samples
a	XRF (major oxides)	per sample	4.1.17a	4,200.00	100	420,000.00	
b	Check samples for XRF	per sample	4.1.17a	4,200.00	10	42,000.00	

c	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. + Addl. Elements (Cu, Pb, Zn, W)	per sample	4.1.15	9,084.00	950	8,629,800.00	(Rate of REE + Rs 421 extra for 4 addl. Elements each)
d	Check samples: 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. + Addl. Elements (Cu, Pb, Zn, W)	per sample	4.1.15	9,084.00	95	862,980.00	
e	Analysis for gold by fire assay technique	per sample	4.1.5a	3,500.00	100	350,000.00	
f	Check samples: Analysis for gold by fire assay technique	per sample	4.1.5a	3,500.00	10	35,000.00	
g	EPMA	per hour	4.4.1	10,500.00	25	262,500.00	
h	XRD analysis for identification of minerals (Random)	per sample	4.5.2	4,000.00	100	400,000.00	
i	Heavy mineral separation by liquid	per sample	4.3.6a	2,890.00	200	578,000.00	
j	Sampler man-days	one sampler per day	1.2.1b	7,850.00	158	1,240,300.00	
j	Labor(4 workers per sampler)	per labor day	5.8	556.00	632	351,392.00	
	Sub-Total 3					**13,171,972.00**	
4	**Petrological studies**						
a	Thin section preparation	per sample	4.3.2	800.00	200	160,000.00	

b	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)	per sample	4.3.4	2,800.00	300	840,000.00	including 100 SS binocular study
d	Fluid Inclusion Studies	per sample	4.3.8	10,200.00	25	255,000.00	
e	Isotopic Studies	per sample	4.6.2	26,000.00	25	650,000.00	
	Sub-Total 4					**1,905,000.00**	
					Total Phase II	**18,892,912.00**	
				Phase III			
5	**Geophysical Survey**						
a	Electromagnetic survey (per sounding)	sounding	3.7a	21,197.00	250	5,299,250.00	Subject to surface manifestation. Will be taken after review of 2nd phase
b	Drone Magnetic Survey	Per Line Km	7a	8,000.00	250	2,000,000.00	
c	Expert Charges for Geophysicist (HQ)	Geophysicist per day	3.18	10,500.00	40	420,000.00	
	Sub-Total 5					**7,719,250.00**	
					Total Phase III	**7,719,250.00**	
	Total (Phase II+ Phase III)					**26,612,162.00**	
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	1	-	Final report submission, peer review and project conclusion would be done after all the four phases of work
10	Final report preparation		5.2 (iii)	Total cost of the project exceeding ₹150 lakh ₹7.5 lakh	1	-	
11	Report Peer Review	Lump sum	As per EC	30,000.00	1	-	

Project Cost without GST				**Project Cost without GST**		**26,612,162.00**	
18% GST				**18% GST**		**4,790,189.16**	GST will be reimbursed as per actual and as per the applicable notified rate
				Total Project Cost		**31,402,351.16**	
Note:							
1	**Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.**						
	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.						
	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/NPEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
	Any item of work not mentioned above shall be added as per SoC.						
	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency						

Annexure 3

Estimated Cost for Preliminary Exploration (G3) for Iron ore in Bhanu block, District- Uttar Bastar Kanker, Chhattisgarh
Total area: 3.30 sq.km; Total Borehole: 9 Nos (7 nos. 1st level, 30 m; 2 nos. 2nd level, 60m); Total drilling meterage: 700m; Timeline: 12 months; Review after 3, 6 and 9 months
Agency: Kartikay Exploration and Mining Services Pvt. Ltd.
Project ID: ME/DD/G3/CT/26-27/048

			Rates as per NMET SoC 2025-26		Estimated Cost of the			
S.No.	Item of Work	Unit	SoC-Item-Sl No.	Rates as per SoC	Proposal			Remarks
					Qty.	Additional cost	Amount (Rs)	
A	**GEOLOGICALWORK (1:2000) (including mapping and contouring)**	Per Sq km	1.1	18300	3.3	1	60390	
i	Charges for One Geologist for Field	Per day	1.2.1a	14,500	120	1	1,740,000	
ii	Charges for one Geologist per-HQ	Per day	1.2.1a	10,500	30	1	315,000	
iii	2 Labours/ Party	day	5.8	556	240	1	133,440	
iv	Sampling party days-1 Sampler (Labour charge not included)	Day	1.2.1b	7850	56	1	439,600	
v	4 labours/Party (sampling)	day	5.8	556	224	1	124,544	
vi	Charges for 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 & RL of the boreholes with total stations etc.	Charges for one surveyor per day	1.3.1	10500	40	1	420,000	
	4 labours/Party (survey)	day	5.8	556	160	1	88,960	

					SubTotal-A		**3,321,934.00**	
B	**Pitting/ Trenching**							
i	Trenching	Cu m	2.1.1	4125	60	1	247,500	Depth 1m
	Sub total-B						**247,500**	
C	**DRILLING (In House)**							
i	Drilling upto 300m (Very hard Rock)(2 rigs) HQ Size	m	2.2.1.1e	12,650	700	1	8,855,000	
ii	Construction of concrete Pillar (12"x12"x30")	Per borehole	2.2.7	2,000	9	1	18,000	
iii	Borehole plugging by cemrnt	per BH	2.2.8	10,000	9	1	90,000	
iv	Approach Road Making (Hilly)	Lumpsum	2.2.9			1	1500000	
v	Miscelleneous Charges (Transportation of drilling rig, Accommodation for Drill camp, camp setting and winding, construction of approach road)							
	Demarcation of lease boundary, fixation of borehole and determination of coordinates & RL of the boreholes by DGPS	Per BH	1.3.2	24000	14	1	336,000	9 Borehole+ 5 Boundary corner points
	Core preservation	Per m	5.3	1590	300		477,000	
	Sub total-C						**11,276,000**	
D	**LABORATORY STUDIES**							
	Chemical analysis							
	(Surface samples+Core samples+ Check samples)							
1	a) Primary samples: Major oxides (WD XRF)-(Oxides+trace-24 elements)	Per sample	4.1.17a	4200	400	1	1,680,000	300 Samples from borehole and 60 from trench samples, 40 from BRS (all channel samples)

2	b) Check samples Major oxides (10%)	Per sample	4.1.17a	4200	40	1	168,000	
3	c) Analysis for Au & Ag by Fire assay	Nos	4.1.5a	3500	10	1	35,000	
4	d) Check sample Analysis for Au & Ag by Fire assay	Nos	4.1.5a	3500	1	1	3,500	
5	Preparation of thin section	Nos	4.3.1	500	0	1	0	
	Preparation of polished thin section of rock/wafer	Nos	4.3.2	800	10	1	8,000	
	Complete petrographic/ ore microscopic study/ minerographic report of rock sample (along with 5 no's digital photo micrographs)	Nos	4.3.4	2800	10	1	28,000	
	XRD analysis for identification of minerals	Nos	4.5.1	4000	5	1	20,000	
	Bulk density Determination	Nos	4.8.3	2500	2	1	5,000	
	Subtotal-D						**1,947,500**	
	Total of A to D						**16,792,934**	
	Geological Report Preparation	soft copies	**5.2 (iii)**	Total cost exceeding Rs. 50 lakh but less than 150 lakh Rs. 2.5 lakh		1	750,000	Reimbursement will be made after submission of the final Geological Report in soft copy to NMEDT.
	Peer review Charges						30,000	
	Preparation of Exploration Proposal (soft copy)		**5.1**	2% of approved project cost or 5 lakh whichever is lower			335,859	
	Total Estimated Cost without GST						**17,908,792.68**	
	Provision for GST (18%ofl)						**3,223,582.68**	GST will be reimburse as per actual and as per Notified prescribed rate
	Total Estimated Cost with GST						**21,132,375.36**	

	Or Say Rs. In Lakhs 211.32
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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**

Annexure-4

Estimated Cost for Preliminary Exploration (G3) for Graphite, Vanadium and associated critical minerals in Sundungra Block, District: Champawat, Uttarakhand.
Total area: 2.4 sq.km, Total Borehole: 20 Nos. (1st level BH: 15, 30 m vertical intersection and 5 BH of 60 m vertical intersection); Total drilling meterage: 1500m; Timeline: 12 months; Review after 04, 06 & 09 months
(Schedule timeline for 1st Phase of work: 4 months, Review: After 1st phase of work)
Agency: Ocean Drilling Pvt. Ltd.
Project ID: ME/DD/G3/UK/26-27/249

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC (2025-26)		Estimated Cost of the Proposal			Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	Hilly terrain of Himalaya region (Total amount X 2)	Drilling and core sampling in 2nd Phase. Rest Geological work in 1st Phase
A	**Geological Mapping Other Geological Work & Surveying**							
1	Detailed mapping (1:2000) with topographic contouring	per sq. km.	1.1	28,600	2.4	68640	68640	
	a. Charges for Geologist per day (Field) for geological mapping, drilling work, core looging & sample marking	day	1.2.1a (b)	14,500	60	8,70,000	17,40,000	2.4 Sq.Km in **Hilly area**
	b. Labours Charges; Base rate	day	5.8	541	120	64,920	1,29,840	
	c. Charges for Geologist per day (HQ)	day	1.2.1a (a)	10,500	20	2,10,000	2,10,000	
2	a. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	34	2,66,900	5,33,800	

	b. Labours (4 Nos)	day	5.8	541	136	73,576	1,47,152	
	Sub Total- A					**14,85,396**	**28,29,432**	
B	**Survey work (1st Phase)**							
1	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	4	96000	192000	20 nos. of BH plus 4 Boundary points
2	Charges of Surveyor (1 party) for topographic mapping in 1:2000 scale and contouring at 3m interval	one surveyor per day	1.3.1	10,500	50	525000	1050000	2.4 Sq.Km in Hilly area
3	Labours Charges for survey work (4 labourers)	day	5.8	541	200	108200	216400	
	Sub-Total B					**7,29,200**	**14,58,400**	
C	**TRENCHING (1st Phase)**							
1	Excavation of trenches upto 2.0m depth (1st Phase)	per cu.m	2.1.1	4125	150	618750	1237500	Trenching work to be done after completion of SP Survey
	Sub Total C					**6,18,750**	**12,37,500**	
D	**Ground Geophysical Survey (1st Phase)**							
1	SP survey	lkm	3.3a	1,55,350	10	15,53,500	31,07,000	
2	Expert charges for Geophysicist in HQ	day	3.18	10,500	10	1,05,000	1,05,000	
	Sub Total D					**16,58,500**	**32,12,000**	
E	**LABORATORY STUDIES**							
1	**Chemical Analysis**							
i)	**Primary samples**							

	a. BRS/Channel sample by Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200	100	4,20,000		**200m*20 grid channel sampling; 100 samples**
	b. Check samples Internal (10%)	Nos	4.1.17a	4,200	10	42,000		
ii)	**Trench samples**							
	a. Trench sample by Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200	150	6,30,000		**a.** 1m sample length from trench
	b. Check samples Internal (10%)	Nos	4.1.17a	4,200	15	63,000		
2	**Petro Chemical Samples**							
i)	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	Nos	4.1.15	7400	20	1,48,000		Including BRS, PTS and Core samples
	b. Check samples Internal (10%)	Nos	4.1.15	7400	2	14,800		
3	XRD analysis for identification of minerals (Random)	Nos	4.5.2	4,000	5	20,000		
4	**Physical & Petrological Studies**							
i	Preparation of polished thin section	Nos	4.3.2	800	2	1,600		
ii	Study of thin section	Nos	4.3.4	2,800	2	5,600		
iii	Preparation of polished section	Nos	4.3.2	800	-	-		
iv	Study of polished thin section	Nos	4.3.4	2,800	-	-		

	Sub Total E					**13,45,000**	**13,45,000**	
F	**Total A to E**					**58,36,846**	**1,00,82,332**	
G	**Geological Report Preparation**	**soft copy**	**5.2**			**-**		These components will be added after all phases of work
H	**Peer review Charges**		**As per EC decision**			**-**		
I	**Preparation of Exploration Proposal**	**soft copy**	**5.1**	2% of the Cost or Rs. 5.0 Lakhs whichever is less		**-**		
J	**Total Estimated Cost without GST**						**1,00,82,332**	
K	**Provision for GST (18% of J)**						18,14,819.76	GST will be reimbursed as per actual and as per notified prescribed rate
L	**Total Estimated Cost with GST**					**-**	**1,18,97,152**	
				or Say Rs. In Lakhs		**-**	**118.97**	

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 case of execution of the project by NPEA on its own, a Certifiate 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.**
*****	**SoC Item No, Unit and Rate for each item of work must be as mentioned in the SoC.**

Annexure 5

Estimated Cost for Preliminary Exploration (G3) for Glauconite and Associated Minerals in Sarsi Block, District: Satna, Madhya Pradesh
Total area: 12.60 sq. km; Total Borehole: 15 Nos.; Total drilling meterage: 750m (each BH of 50 m); Timeline: 9 months; Review after 4 and 8 months
Agency: MECL
Project ID: ME/DD/G3/MP/MECL/26-27/022

S.No.	Main Activity	Activity	Sub Activity	Sub Sub Activity	Hilly Terrain/LWE Multiplication Factor	TCC Approved Unit	TCC Approved Cost (₹)	Remarks
1	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.1 Large scale (LSM) Geological Mapping/ Traverse mapping / Detailed Mapping in Peninsular India : Large scale Geological mapping on 1:12,500, 1:10,000 1:10,000 (for coal); 1:5000, 1:4000 etc.			1	12.60	230580.00	Mapping and Contouring on 4000 scale
2	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies	b) Charges for one Geologist per day in field	1	120	1740000.00	

	Work and Surveying			(without labour)				
3	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1b 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.		1	47	368950.00	
4	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.3 Survey Work	1.3.2 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	28	672000.00	15 BH +13 Cardinal points
5	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.3 Survey Work	1.3.1 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	1	30	315000.00	

				per surveyor)				
6	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies like geochemical studies, geochemical Orientation Survey, water sampling, surface sampling, outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/ Channel/Soil/SSS/Heavy Mineral), sample preparation pit & trench logging and sampling, core logging and core sampling, preparation of beneficiation samples, skeletonisation of cores etc. including planning for sampling, Boreholes etc., consultation of literature, maps, reports etc. Application of softwares for synthesis or interpretation of data at headquarter, Any other activity in field or headquarter.	a) Charges for one Geologist per day at HQ	1	30	315000.00	
7	2.0 Mineral Investigation	2.2 Drilling	2.2.1 Drilling: (Diamond core drilling)	2.2.1.1c Drilling in / Drilling in Soft rock/ Strata:	1	750	4125000.00	In-House 15BH with average depth of 50 m each

				HQ size borehole upto 400m Depth and NQ Size beyond 400m depth In case NQ size drilling is done before 400m depth, the rate shall decrease by 20%				
8	2.0 Mineral Investigation	2.2 Drilling	2.2.7 Construction of concrete Pillar (12"x12"x30")		1	15	30000.00	
9	2.0 Mineral Investigation	2.2 Drilling	2.2.8 Borehole plugging by cement		1	15	150000.00	
10	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.17 Estimation of major oxides by XRF technique (Whole rock analysis)	4.1.17a Major oxides (WD XRF)-(oxides+ traces -24 elements)	1	375	1575000.00	375 Core samples

11	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.17 Estimation of major oxides by XRF technique (Whole rock analysis)	4.1.17a Major oxides (WD XRF)-(oxides+ traces -24 elements)	1	37	155400.00	
12	4.0 Laboratory Studies	4.3 Petrological Studies	4.3.2 Preparation of polished thin section of rock/ wafer		1	10	8000.00	
13	4.0 Laboratory Studies	4.3 Petrological Studies	4.3.4 Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)		1	10	28000.00	
14	4.0 Laboratory Studies	4.3 Petrological Studies	4.3.7 Modal analysis of thin section		1	10	45900.00	
15	4.0 Laboratory Studies	4.8 Geotechnical Laboratory	4.8.3 Bulk density - Dry / Saturated		1	5	12500.00	
16	4.0 Laboratory Studies	4.5 Mineral Physics Studies	4.5.2 XRD analysis for identification of minerals (Random)	4.5.2	1	5	20000.00	
17	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration			1	240	133440.00	

		project in the field/camp/HQ.						
18	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1	188	104528	
19	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1	120	66720.00	
20	5.0 Miscellaneous Charges	5.6 Land/Crop compensation			1	15	450000.00	

21	5.0 Miscellaneous Charges	5.3 Drill Core Preservation			1	400	636000.00	1 stratigraphic BH + remaining mineralised zone
				Total Charges/Cost (₹)			**11182018.00**	
				Total Drilling Cost (Rule 2.2.9) (Rule 1 Applied)			**1031250.00**	
				Tendering Process Cost			**0.00**	
				Technical supervision cost			**0.00**	
				Total			**12213268.00**	
				Peer review charge(Fixed)			**30000.00**	
				Preparation of Exploration Proposal			**244265.00**	
				Geological Report Preparation			**250000.00**	
				Total Estimated Cost without GST (₹)			**12737533.00**	
				Provision for GST (18% of I) (₹)			**2292756.00**	
				Total Estimated Cost with GST (₹)			**15030289.00**	

Note:

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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 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**

Annexure 6

Estimated Cost for Reconnaissance Survey (G4) for Potash and Associated Minerals in Badian Area, Sri Muktsar Sahib District, Punjab
Total area: 30 sq. km.; Total Borehole: 11 Nos. (Phase 1: 4 BH with 3200X3200 m spacing, Phase II: 7 BH with 1600X1600 m spacing); Total drilling meterage: 9900 m (Avg 900 m depth each BH); Timeline: 10 months; Review after: 3, 6 and 9 months
Agency: MECL
Project ID: ME/DD/G4/PB/MECL/26-27/018

S.No.	Main Activity	Activity	Sub Activity	Sub Sub Activity	Hilly Terrain/ LWE Multiplication Factor	Approved Unit	Approved Cost (₹)	Remarks
1	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.1 Large scale (LSM) Geological Mapping/ Traverse mapping / Detailed Mapping in Peninsular India : Large scale Geological mapping on 1:12,500, 1:10,000 1:10,000 (for coal); 1:5000, 1:4000, 1:2000, 1:1,000, 1:500 ; 1:200 scale; scale including surface outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab / Channel/Soil/SSS/Heavy Mineral); water sampling; pit and trench logging, pit and trench sampling; consultation of literature, maps, reports etc. *Rec. traverse Mapping (1:25000/1:50000 for KCR (Kimberlite clan of rocks}/Diamond exploration)			1	30	549000.00	LSM on 1:25000 scale
2	1.0 Geological Mapping	1.3 Survey Work	1.3.2 Demarcation of lease boundary, Fixation of borehole		1	11	264000.00	

	[Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying		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 compulsary					
3	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies like geochemical studies, geochemical Orientation Survey, water sampling, surface sampling, outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab / Channel/Soil/SSS/Heavy Mineral), sample preparation pit & trench logging and sampling, core logging and core sampling, preparation of beneficiation samples, skeletonisation of cores etc. including planning for sampling, Boreholes etc., consultation of literature, maps, reports etc. Application of softwares for synthesis or interpretation of data at headquarter, Any other activity in field or headquartet.	a) Charges for one Geologis t per day at HQ	1	50	525000.00	
4	1.0 Geological Mapping [Large scale mapping	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies like geochemical studies, geochemical Orientation Survey, water	b) Charges for one Geologis	1	200	2900000.00	

	(LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying		sampling, surface sampling, outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab / Channel/Soil/SSS/Heavy Mineral), sample preparation pit & trench logging and sampling, core logging and core sampling, preparation of beneficiation samples, skeletonisation of cores etc. including planning for sampling, Boreholes etc., consultation of literature, maps, reports etc. Application of softwares for synthesis or interpretation of data at headquarter, Any other activity in field or headquartet.	t per day in field (without labour)				
5	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1b 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.		1	181	1420850.00	
6	2.0 Mineral Investigation	2.2 Drilling	2.2.4 Non-Coring drilling		1	3850	15400000.00	Phase I: 4 BHs, Phase II: 7 BHs. Non coring drilling to be

								done upto 350 m
7	2.0 Mineral Investigation	2.2 Drilling	2.2.1 Drilling: (Diamond core drilling)	2.2.1.1d Drilling in / Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth In case NQ size drilling is done before 400m depth, the rate shall decrease by 20%	1	6050	60500000.00	HQ Core Drilling from 350 to 400m and beyond 400 m to continue in NQ upto the borehole closure depth i.e., 900 m
8	2.0 Mineral Investigation	2.2 Drilling	2.2.7 Construction of concrete Pillar (12"x12"x30")		1	11	22000.00	
9	2.0 Mineral Investigation	2.2 Drilling	2.2.8 Borehole plugging by cement		1	11	110000.00	

10	3.0 Geophysical Survey	3.11 Geophysical logging for Coal & Lignite / CBM	3.11c Resistivity		1	6400	320000.00	Charges of Coal and Lignite given
11	3.0 Geophysical Survey	3.11 Geophysical logging for Coal & Lignite / CBM	3.11d Dual Density		1	6400	857600.00	
12	3.0 Geophysical Survey	3.11 Geophysical logging for Coal & Lignite / CBM	3.11f Neutron		1	6400	614400.00	
13	3.0 Geophysical Survey	3.11 Geophysical logging for Coal & Lignite / CBM	3.11g Caliper		1	6400	153600.00	
14	3.0 Geophysical Survey	3.11 Geophysical logging for Coal & Lignite / CBM	3.11o Spectral Gamma (In Borehole)		1	6400	1267200.00	
15	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.1 Quantitative chemical analysis of rock by conventional wet chemical method for 12 determinations (other than alumino-silicate and phosphate rock)		1	1450	26245000.00	1450 Core samples (Phase I: 527 samples + Phase II: 923 samples)
16	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.1 Quantitative chemical analysis of rock by conventional wet chemical method for 12 determinations (other than alumino-silicate and phosphate rock)		1	145	2624500.00	
17	4.0 Laboratory Studies	4.5 Mineral Physics Studies	4.5.2 XRD analysis for identification of minerals (Random)	4.5.2	1	225	900000.00	(Phase I: 80 samples + Phase II: 145 samples)
18	4.0 Laboratory Studies	4.3 Petrological Studies	4.3.1 Preparation of standard thin section of rock		1	5	2500.00	

19	4.0 Laboratory Studies	4.3 Petrological Studies	4.3.4 Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)		1	5	14000.00	
20	4.0 Laboratory Studies	4.8 Geotechnical Laboratory	4.8.1 Specific gravity		1	5	12500.00	
21	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1	724	402544	
22	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1	400	222400	
23	5.0 Miscellaneous Charges	5.3 Drill Core Preservation			1	3000	4770000.00	
				Total Charges/Cost (₹)			**120097094.00**	
				Total Drilling Cost (Rule 2.2.9) (Rule 4 Applied)			**2500000.00**	
				Tendering Process Cost			**0.00**	
				Technical supervision cost			**0.00**	
				Total			**122597094.00**	
				Peer review charge(Fixed)			**30000.00**	
				Preparation of Exploration Proposal			**500000.00**	
				Geological Report Preparation			**750000.00**	
				Total Estimated Cost without GST (₹)			**123877094.00**	
				Provision for GST (18% of I) (₹)			**22297877.00**	

				Total Estimated Cost with GST (₹)	**14,61,74,971.00**	

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 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**

Annexure 7

Estimated Cost for Preliminary Exploration (G3) for Graphite and Vanadium bearing minerals in Hatai Block, District: Palamu, Jharkhand
Total area: 2.95 sq. km; Total Borehole: 8 Nos. (6 BH 1st level, 30 m vertical intersection, 2 BH 2nd level, 60 m intersection); Total drilling meterage: 600 m; Timeline: 12 months; Review after 3, 6 and 9 months
Agency: BMRC Geomining Solutions Pvt Ltd.
Project ID: ME/DD/G3/JH/26-27/227

S.No.	Main Activity	Activity	Sub Activity	Sub Sub Activity	Hilly Terrain/ LWE Multipli -cation Factor	TCC Approved Unit	TCC Approved Cost (₹)	Remarks
1	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.1 Large scale (LSM) Geological Mapping/ Traverse mapping / Detailed Mapping in Peninsular India : Large scale Geological mapping on 1:12,500, 1:10,000 1:10,000 (for coal); 1:5000, 1:4000, 1:2000, 1:1,000, 1:500 ; 1:200 scale; scale including surface outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/ Channel/Soil/SSS/Heavy Mineral); water sampling; pit and trench logging, pit and trench sampling; consultation of literature, maps, reports etc. *Rec. traverse Mapping (1:25000/1:50000 for KCR (Kimberlite clan of rocks}/Diamond exploration)			1	2.95	53985.00	
2	1.0 Geological Mapping [Large scale	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies like geochemical studies, geochemical	b) Charges for one	1	130	1885000.00	

	mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying		Orientation Survey, water sampling, surface sampling, outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/ Channel/Soil/SSS/Heavy Mineral), sample preparation pit & trench logging and sampling, core logging and core sampling, preparation of beneficiation samples, skeletonisation of cores etc. including planning for sampling, Boreholes etc., consultation of literature, maps, reports etc. Application of softwares for synthesis or interpretation of data at headquarter, Any other activity in field or headquarter.	Geologist per day in field (without labour)				
3	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies like geochemical studies, geochemical Orientation Survey, water sampling, surface sampling, outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/ Channel/Soil/SSS/Heavy Mineral), sample preparation pit & trench logging and sampling, core logging and core sampling, preparation of beneficiation samples, skeletonisation of cores etc. including planning for sampling, Boreholes etc., consultation of literature, maps, reports etc.	a) Charges for one Geologist per day at HQ	1	30	315000.00	

			Application of softwares for synthesis or interpretation of data at headquarter, Any other activity in field or headquarter.					
4	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.3 Survey Work	1.3.1 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	30	315000.00	
5	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.3 Survey Work	1.3.2 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 compulsary		1	12	288000.00	8 BH + 4 cardinal points
6	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other	1.2 Other Geological Work/Activities	1.2.1b Sample processing work including marking of samples, core splitting, crushing and powdering of samples, coning and quartering, packing & labeling of samples, preparation		1	54	423900.00	

	Geological Work and Surveying		of beneficiation samples etc.					
7	2.0 Mineral Investigation	2.1 Pitting & Trenching	2.1.1 Excavation of Trenches upto 2.0 m depth with Filling		1	150	618750.00	
8	2.0 Mineral Investigation	2.2 Drilling	2.2.1 Drilling: (Diamond core drilling)	2.2.1.1d Drilling in / Drilling in Hard rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth In case NQ size drilling is done before 400m depth, the rate shall decrease by	1	600	6000000.00	The drilling will be subject to approval in review meeting . 2nd level drilling will be proposed based on outcome of 1st level drilling

				20%				
9	2.0 Mineral Investigation	2.2 Drilling	2.2.7 Construction of concrete Pillar (12"x12"x30")		1	8	16000.00	
10	3.0 Geophysical Survey	3.3 Self-Potential Method	3.3a Self-Potential (8-20 line km)		1	15	932100.00	
11	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.18 Proximate analysis of Graphite		1	400	1445600.00	100 Trench Samples+ 60 Channel samples + 240 Core samples
12	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.18 Proximate analysis of Graphite		1	40	144560.00	
13	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.15 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)	4.1.15a Chemical analysis by ICP-MS per additional elements	1	25	185000.00	
14	4.0 Laboratory Studies	4.3 Petrological Studies	4.3.2 Preparation of polished thin section of rock/ wafer		1	10	8000.00	
15	4.0 Laboratory Studies	4.3 Petrological Studies	4.3.4 Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrograph)		1	10	28000.00	
16	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.17 Estimation of major oxides by XRF technique (Whole rock analysis)	4.1.17a Major oxides (WD	1	10	42000.00	

				XRF)-(oxides+ traces - 24 elements)				
17	4.0 Laboratory Studies	4.8 Geotechnical Laboratory	4.8.3 Bulk density - Dry / Saturated		1	5	12500.00	
18	4.0 Laboratory Studies	4.5 Mineral Physics Studies	4.5.1 RAMAN spectroscopy study per hour		1	10	27000.00	
19	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.15 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)	4.1.15a Chemical analysis by ICP-MS per additional elements	1	2	14800.00	
20	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1	260	144560	
21	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1	120	66720	
22	5.0 Miscellaneous Charges	5.6 Land/Crop compensation			1	8	240000	
23	5.0 Miscellaneous Charges	5.3 Drill Core Preservation			1	300	477000.00	
24	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated			1	216	120096	

		with the mineral exploration project in the field/camp/HQ.						
			Total Charges/Cost (₹)				**13803571.00**	
			Total Drilling Cost (Rule 2.2.9) (Rule 2 Applied)				**1200000.00**	
			Tendering Process Cost				**0.00**	
			Technical supervision cost				**0.00**	
			Total				**15003571.00**	
			Peer review charge(Fixed)				**30000.00**	
			Preparation of Exploration Proposal				**300071.00**	
			Geological Report Preparation				**750000.00**	
			Total Estimated Cost without GST (₹)				**16083642.00**	
			Provision for GST (18% of I) (₹)				**2895056.00**	
			Total Estimated Cost with GST (₹)				**18978698.00**	

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 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**

Annexure 8

Estimated Cost for Preliminary Exploration (G3) for Limestone in Kabir Ki Basti Block, District: Jaisalmer, Rajasthan
Total area: 7.66 sq. km; Total Borehole: 13 Nos. (Average depth per borehole: 50 m); Total drilling meterage: 650m; Timeline: 12 months; Review after 3, 6 and 9 months
Agency: FAGMIL
Project ID: ME/DD/G3/RJ/26-27/239

S.No.	Main Activity	Activity	Sub Activity	Sub Sub Activity	Hilly Terrain/ LWE Multiplication Factor	Approved Unit	Approved Cost (₹)	Remarks
1	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.1 Large scale (LSM) Geological Mapping/ Traverse mapping / Detailed Mapping in Peninsular India : Large scale Geological mapping on 1:12,500, 1:10,000 1:10,000 (for coal); 1:5000, 1:4000, 1:2000, 1:1,000, 1:500 ; 1:200 scale; scale including surface outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/ Channel/Soil/SSS/Heavy Mineral); water sampling; pit and trench logging, pit and trench sampling; consultation of literature, maps, reports etc. *Rec. traverse Mapping (1:25000/1:50000 for KCR (Kimberlite clan of rocks}/Diamond exploration)			1	7.66	140178.00	
2	1.0 Geological Mapping [Large scale mapping	1.3 Survey Work	1.3.1 Charges of one qualified surveyor with	a) Charges	1	25	262500.00	

	(LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying		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.	of one Surveyor per day (without labour) (Up to 4 labours will be allowed per surveyor)				
3	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.3 Survey Work	1.3.2 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 compulsary		1	19	456000.00	13 BH + 6 Cardinal Points
4	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies like geochemical studies, geochemical Orientation Survey, water sampling, surface sampling, outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/	a) Charges for one Geologist per day at HQ	1	30	315000.00	

			Channel/Soil/SSS/Heavy Mineral), sample preparation pit & trench logging and sampling, core logging and core sampling, preparation of beneficiation samples, skeletonisation of cores etc. including planning for sampling, Boreholes etc., consultation of literature, maps, reports etc. Application of softwares for synthesis or interpretation of data at headquarter, Any other activity in field or headquartet.					
5	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies like geochemical studies, geochemical Orientation Survey, water sampling, surface sampling, outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/ Channel/Soil/SSS/Heavy Mineral), sample preparation pit & trench logging and sampling, core logging and core	b) Charges for one Geologist per day in field (without labour)	1	120	1740000.00	

			sampling, preparation of beneficiation samples, skeletonisation of cores etc. including planning for sampling, Boreholes etc., consultation of literature, maps, reports etc. Application of softwares for synthesis or interpretation of data at headquarter, Any other activity in field or headquartet.					
6	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1b 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.		1	70	549500.00	
7	2.0 Mineral Investigation	2.2 Drilling	2.2.1 Drilling: (Diamond core drilling)	2.2.1.1c Drilling in / Drilling in Soft rock/ Strata: HQ size borehole upto 400m Depth and	1	650	3575000.00	

				NQ Size beyond 400m depth In case NQ size drilling is done before 400m depth, the rate shall decrease by 20%				
8	2.0 Mineral Investigation	2.2 Drilling	2.2.7 Construction of concrete Pillar (12"x12"x30")		1	13	26000.00	
9	2.0 Mineral Investigation	2.2 Drilling	2.2.8 Borehole plugging by cement		1	13	130000.00	
10	4.0 Laboratory Studies	4.5 Mineral Physics Studies	4.5.2 XRD analysis for identification of minerals (Random)		1	5	-	
11	4.0 Laboratory Studies	4.8 Geotechnical Laboratory	4.8.3 Bulk density - Dry / Saturated		1	5	12500.00	
12	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.17 Estimation of major oxides by XRF technique (Whole rock analysis)	4.1.17a Major oxides (WD XRF)-(oxides+ traces -24 elements)	1	550	2310000.00	520 CS + 30 BRS
13	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.11 Complete analysis of dolomite/ limestone/ gypsum/ clay/		1	8	31200.00	

			manganese ore/ bauxite/ iron ore samples					
14	4.0 Laboratory Studies	4.3 Petrological Studies	4.3.1 Preparation of standard thin section of rock		1	5	2500.00	
15	4.0 Laboratory Studies	4.3 Petrological Studies	4.3.4 Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)		1	5	14000.00	
16	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.15 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)	4.1.15a Chemical analysis by ICP-MS per additional elements	1	10	74000.00	
17	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1	280	155680	
18	5.0 Miscellaneous Charges	5.6 Land/Crop compensation			1	13	540000.00	
19	5.0 Miscellaneous Charges	5.3 Drill Core Preservation			1	475	755250.00	
20	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1	240	133440	

21	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1	100	55600	
				Total Drilling Cost (Rule 2.2.9) (Rule 1 Applied)			**893750.00**	
				Tendering Process Cost			**0.00**	
				Technical supervision cost			**0.00**	
				Total			**12172098.00**	
				Peer review charge(Fixed)			**30000.00**	
				Preparation of Exploration Proposal			**243442.00**	
				Geological Report Preparation			**250000.00**	
				Total Estimated Cost without GST (₹)			**12695540.00**	
				Provision for GST (18% of I) (₹)			**2285197.00**	
				Total Estimated Cost with GST (₹)			**1,49,80,737.00**	

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 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**

Annexure 9

Estimated Cost for Preliminary Exploration (G3) for Limestone in Lakadong Block, District: East Jaintia Hills, Meghalaya
Total area: 5 sq. km; Total Borehole: 9 Nos.; Total drilling meterage: 900m; Timeline: 12 months; Review after 3, 6 and 9 months
Agency: DMR Meghalaya
Project ID: ME/DD/G3/ML/26-27/257

S.No.	Main Activity	Activity	Sub Activity	Sub Sub Activity	Hilly Terrain /LWE Multiplication Factor	TCC Approved Unit	TCC Approved Cost (₹)	Remarks
1	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.1 Large scale (LSM) Geological Mapping/ Traverse mapping / Detailed Mapping in Peninsular India : Large scale Geological mapping on 1:12,500, 1:10,000 1:10,000 (for coal); 1:5000, 1:4000, 1:2000, 1:1,000, 1:500 ; 1:200 scale; scale including surface outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/ Channel/Soil/SSS/Heavy Mineral); water sampling; pit and trench logging, pit and trench sampling; consultation of literature, maps, reports etc. *Rec. traverse Mapping (1:25000/1:50000 for KCR (Kimberlite clan of rocks}/Diamond exploration)			1.5	5	137250.00	Mapping and Contouring on 4000 scale
2	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies like geochemical studies,	a) Charges for one Geologist per day at HQ	1	40	420000.00	

	Geological Work and Surveying		geochemical Orientation Survey, water sampling, surface sampling, outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/Channel/Soil/SSS/Heavy Mineral), sample preparation pit & trench logging and sampling, core logging and core sampling, preparation of beneficiation samples, skeletonisation of cores etc. including planning for sampling, Boreholes etc., consultation of literature, maps, reports etc. Application of softwares for synthesis or					

			interpretation of data at headquarter, Any other activity in field or headquarter					
3	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1a Other Geological work/studies like geochemical studies, geochemical Orientation Survey, water sampling, surface sampling, outcrop sampling (BRS/PS/PCS/Groove/Chip/Grab/ Channel/Soil/SSS /Heavy Mineral), sample preparation pit & trench logging and sampling, core logging and core sampling, preparation of beneficiation samples, skeletonisation of	b) Charges for one Geologist per day in field (without labour)	1.5	150	3262500.00	

			cores etc. including planning for sampling, Boreholes etc., consultation of literature, maps, reports etc. Application of softwares for synthesis or interpretation of data at headquarter, Any other activity in field or headquartet.					
4	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.2 Other Geological Work/Activities	1.2.1b 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.		1.5	87	1024425.00	
5	1.0 Geological Mapping [Large scale mapping	1.3 Survey Work	1.3.2 Demarcation of lease boundary,		1.5	13	468000.00	

	(LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying		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 compulsary					
6	1.0 Geological Mapping [Large scale mapping (LSM)/Detailed Mapping (DM)], Other Geological Work and Surveying	1.3 Survey Work	1.3.1 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)	1.5	60	945000.00	
7	2.0 Mineral Investigation	2.1 Pitting & Trenching	2.1.2 Excavation of Pit up to 2.0 m		1.5	20	141750.00	

			depth with back filling					
8	2.0 Mineral Investigation	2.2 Drilling	2.2.1 Drilling: (Diamond core drilling)	2.2.1.1c Drilling in / Drilling in Soft rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth In case NQ size drilling is done before 400m depth, the rate shall decrease by 20%	1.5	900	7425000.00	
9	2.0 Mineral Investigation	2.2 Drilling	2.2.7 Construction of concrete Pillar (12"x12"x30")		1	9	18000.00	
10	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.17 Estimation of major oxides by XRF technique (Whole rock analysis)	4.1.17a Major oxides (WD XRF)- (oxides+ traces -24 elements)	1	700	2940000.00	650 CS + 20 Pit Sample+ 30 BRS

11	4.0 Laboratory Studies	4.1 Chemical Analysis	4.1.17 Estimation of major oxides by XRF technique (Whole rock analysis)	4.1.17b For each additional trace elements	1	70	29470.00	
12	5.0 Miscellaneous Charges	5.6 Land/Crop compensation			1.5	9	405000	
13	5.0 Miscellaneous Charges	5.8 Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.			1.5	888	740592	
14	5.0 Miscellaneous Charges	5.3 Drill Core Preservation			1	700	1113000.00	
				Total Charges/Cost (₹)			**19069987.00**	
				Total Drilling Cost (Rule 2.2.9)			**0.00**	
				Tendering Process Cost			**148500.00**	
				Technical supervision cost			**742500.00**	
				Total			**19960987.00**	
				Peer review charge(Fixed)			**30000.00**	
				Preparation of Exploration Proposal			**399220.00**	
				Geological Report Preparation			**750000.00**	
				Total Estimated Cost without GST (₹)			**21140207.00**	
				Provision for GST (18% of I) (₹)			**3805237.00**	
				Total Estimated Cost with GST (₹)			**2,49,45,444.00**	
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 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**

Annexure 10

Estimated Cost for Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block 1A (2.41 sq km) and Block 2A (3.46 sq km), Rewa District, Madhya Pradesh
Total area: 2.41+3.46= 5.87 sq km, BH: 26 Nos. (10 BH in Block 1A + 16 BH in Block 2A); Total drilling meterage: 250m (Maximum Depth 10 m); Timeline: 10 months; Review after 3, 6 and 9 months
Agency: MMPL Pvt. Ltd.
Project ID: ME/DD/G3/MP/26-27/214

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Geological Mapping Other Geological Work & Surveying**						
	Geological mapping, (1:4,000 scale) & pitting, drilling work						Mapping on 4000 scale with contouring
i	Detailed Geological mapping (DM)	Per sq km	1.1.1	18,300.00	5.87	107,421.00	
ii	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	Day	1.2.1a	14,500.00	100	1,450,000.00	
iii	b. Labours Charges; Base rate (for 2 labours per Geologist	Day	5.8	556.00	200	111,200.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iv	c. Charges for Geologist per day (HQ)	Day	1.2.1a	10,500.00	30	315,000.00	
	Sub Total- A					**1,983,621.00**	
B	**Survey work**						
a	DGPS Survey for BH fixation & RL determination	Per Point of	1.3.2	19,200.00	49	940,800.00	Bore hole: 26 Cardinal points 23

		observation of observation					
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.		1.3.1	10,500.00	20	210,000.00	For Topographical survey
c	Labours Charges for survey work;	Day	5.8	526.00	80	42,080.00	4 labours per day
	Sub-Total B					**1,192,880.00**	
C	**Trenching/Pitting**						
	a) Excavation of pits	per cu.m	2.1.2	4,725.00	0	-	2X2X2
	Sub Total C					**-**	
D	**DRILLING (after review)- In -house**						
1	Drilling (Soft Rock)	M	2.2.1.1c	5,500.00	250	1,375,000.00	
2	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	30,000.00	26	780,000.00	As per actuals
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000.00	26	52,000.00	
4	Miscellaneous charges	Km	2.2.9			343,750.00	
5	Drill Core Preservation	per m	5.3	1,590.00	125	198,750.00	
6	Charges for one Sampler per day	one sampler per day	1.2.1b	7,850.00	21	164,850.00	
7	Labours (4 Nos)	Day	5.8	526.00	84	44,184.00	Amount will be reimbursed as per the notified rates by the Central Labour

							Commissioner or respective State Govt. whichever is higher.
	Sub Total D					**2,958,534.00**	
E	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
i)	**Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment) & core samples**						
	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200.00	140	588,000.00	Core sample=140
	Analysis of Minor, Trace RM and REE elements by ICPMS	Nos	4.1.15	7,400.00	25	185,000.00	
ii)	**Check samples (10% External)**						
	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200.00	14	58,800.00	
	Analysis of Minor, Trace RM and REE elements by ICPMS	Nos	4.1.15	7,400.00	3	22,200.00	
2	**Physical & Petrological Studies**						
i	Preparation of polished thin section	Nos	4.3.2	800.00	5	4,000.00	
ii	Complete petrographic report of rock sample alongwith 5 no of digital photo micrograph	Nos	4.3.4	2,800.00	5	14,000.00	
iii	Bulk density analysis	Nos	4.8.3	2,500.00	5	12,500.00	
iv	EPMA studies	per hour	4.4.1	10,500.00	0	-	
	Total E					**884,500.00**	
F	**Total A to E**					**7,019,535.00**	
	Miscellaneous charges						

G	Geological Report Preparation	**5 Hard copies with a soft copy**	5.2	ii		**250,000.00**	Total cost of the project exceeding 150lakhs
H	**Peer review Charges**			30,000.00	**1**	**30,000.00**	
I	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 less		**140,390.70**	EA 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 TCC-NMET in its meeting while clearing the proposal.
J	**Total Estimated Cost without GST**					**7,439,925.70**	
K	**Provision for GST (18% of J)**					**1,339,186.62**	GST will be reimburse as per actual and as per notified prescribed rate
L	**Total Estimated Cost with GST**					**8,779,112.32**	
				Rs. In Lakhs		**87.79**	
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 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**						

Annexure 11

Estimated Cost for Preliminary Exploration (G3 Stage) of Aluminous Laterite and associated critical minerals in Sirmaur-Kevati Block B, Rewa District, Madhya Pradesh
Total area: 6.34 sq km; Total Borehole: 29 Nos.; Total Drilling Meterage: 250m (BH Depth: Each BH maximum 10 m); Timeline: 10 months; Review after 3, 6 & 9 months
Agency: MMPL Pvt. Ltd.
Proposal ID: ME/DD/G3/MP/26-27/210

			Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		
S. No.	**Item of Work ***	**Unit ***	**SoC-Item No. ***	**Rates as per SoC * (a)**	**Qty. (b)**	**Total Amount (Rs) (a*b)**	**Remarks**
A	**Geological Mapping Other Geological Work & Surveying**						
	Geological mapping, (1:4,000 scale) & pitting, drilling work						
i	Detailed Geological mapping (DM)	Per sq. km	1.1.1	18,300.00	6.34	1,16,022.00	1:4000 scale with contouring
ii	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a	14,500.00	100	14,50,000.00	
iii	b. Labours Charges; Base rate (for 2 labours per Geologist	day	5.8	556.00	200	1,11,200.00	
iv	c. Charges for Geologist per day (HQ)	day	1.2.1a	10,500.00	30	3,15,000.00	
	Sub Total- A					**19,92,222.00**	
B	**Survey work**						
a	DGPS Survey for BH fixation & RL determination	Per Point of observation of observation	1.3.2	19,200.00	34	6,52,800.00	Bore hole: 29 Cardinal points 5

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.		1.3.1	10,500.00	20	2,10,000.00	For Topographical survey
c	Labours Charges for survey work;	day	5.8	526.00	80	42,080.00	4 labours per day
	Sub-Total B					**9,04,880.00**	
C	**Trenching/Pitting**						
	a) Excavation of pits	per cu.m	2.1.2	4,725.00	0	-	2X2X2
	Sub Total C					**-**	
D	**DRILLING (after review)- In -house**						
1	Drilling (Soft Rock)	m	2.2.1.1c	5,500.00	250	13,75,000.00	
2	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	30,000.00	29	8,70,000.00	As per actuals
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000.00	29	58,000.00	
4	Miscellaneous charges	Km	2.2.9			3,43,750.00	
5	Drill Core Preservation	per m	5.3	1,590.00	150	2,38,500.00	
6	Charges for one Sampler per day	one sampler per day	1.2.1b	7,850.00	27	2,11,950.00	
7	Labours (4 Nos)	day	5.8	556.00	108	60,048.00	
	Sub Total D					**31,57,248.00**	
E	**LABORATORY STUDIES**						

1	**Chemical Analysis**						
i)	**Geochemical Sampling-Surface samples (Bedrock/Channel /Soil/Stream sediment) & core samples**						
	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200.00	180	7,56,000.00	Core sample=180
	Analysis of Minor, Trace RM and REE elements by ICPMS	Nos	4.1.15	7,400.00	25	1,85,000.00	
ii)	**Check samples (10% External)**					-	
	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	4,200.00	18	75,600.00	
	Analysis of Minor, Trace RM and REE elements by ICPMS	Nos	4.1.15	7,400.00	3	22,200.00	
2	**Physical & Petrological Studies**					-	
i	Preparation of polished thin section	Nos	4.3.2	800.00	5	4,000.00	
ii	Complete petrographic report of rock sample alongwith 5 no of digital photo micrograph	Nos	4.3.4	2,800.00	5	14,000.00	
iii	Bulk density analysis	Nos	4.8.3	2,500.00	5	12,500.00	
iv	EPMA studies	per hour	4.4.1	10,500.00	0	-	
	Total E					**10,69,300.00**	
F	**Total A to E**					**71,23,650.00**	
G	Geological Report Preparation	**5 Hard copies with a soft copy**	5.2	ii		**2,50,000.00**	
H	**Peer review Charges**			30,000.00	**1**	**30,000.00**	

I	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 less		**1,42,473.00**	EA 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 TCC-NMET in its meeting while clearing the proposal.
J	**Total Estimated Cost without GST**					**75,46,123.00**	
K	**Provision for GST (18% of J)**					**13,58,302.14**	GST will be reimburse as per actual and as per notified prescribed rate
L	**Total Estimated Cost with GST**					**89,04,425.14**	
				Rs. In Lakhs		**89.04**	
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 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**						

Annexure 12

Estimated Cost for Reconnaissance Survey for Source Rock of Diamond in Sunwaha Block (G4) 470 Sq. Km. District- Chattarpur, Madhya Pradesh
Total area: 470 sq. km.; Total Borehole: 04 Nos.; Total drilling meterage: 300 meters (in 2nd Phase); Timeline: 10 months; Review after 4, and 8 months
Agency: Gemcokati Exploration Pvt. Ltd.
Proposal ID: ME/DD/G4/MP/26-27/265

S. No.	Item of Work *	Unit *	Rates as per revised NMEDT SoC 2025		Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl	Rates as per SoC	Qty.	Total Amount (Rs)	
A	Large Scale Geological Mapping(LSM) (1:12,500)	Per sq. km	1.1	18300	0	**0**	**existing 50 K and other maps available may be used**
1	Geologist: In field	Man days	1.2.1a	14,500	120	1740000	Regional Traverse Mapping, Stream Sediment Sampling, Pitting and Drilling
2	Geologist: at HQ	Man days	1.2.1a	10,500	90	945000	
3	Labour charges (for sample collection, packaging, carrying, 2 Nos)	Man days	5.8	556	240	133440	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 (for sample preparation)	Man days	1.2.1b	7850	25	196250	
5	Labour charges (4 Nos for sample preparation)	Man days	5.8	556	100	55600	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
6	DGPS survey for borehole fixation and RL determination	Per Point of observation	1.3.2	24,000	4	96000	For Scout BHs. Drilling in Phase II after sampling
	Sub Total A					**3166290**	
B	**Pitting & Trenching**						
1	Pitting	per cu m	2.1.2	4725	60	283500	
	Sub Total B					**283500**	

C	**Geophysical Survey (After Review)**						**2nd Phase: To be taken up on positive validation after 1st phase**
1	Drone Magnetic Survey	per line km	7a	8,000	10	80000	10 LKM
2	Gravity survey on geomagnetic profile	Station	3.1.a	3800	0	0	1 LKM per 2 Stations
	Sub Total C					**80,000**	
D	**Drilling (After Review) (In House)**						**2nd Phase: To be taken up on positive validation after 1st phase**
1	Drilling	per m	2.2.I.Ic	10000	300	3000000	300m = 75m X 4 Nos.
2	Land Compensation	Per Borehole		30000	4	120000	
3	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road and Drill core preservation)	Lumpsum	2.2.9	2% or 15 L max. for drilling cost ranges bet 50L to 1 Cr.		750000	
4	Concrete Pillar Construction	Per Borehole	2.2.7	2,000	4	8000	
5	Drill Core Preservation	m	5.3	1,590	100	159000	
6	Borehole plugging by cement	Lumpsum per borehole	2.2.8	10,000	4	40000	
	Sub Total C					**4077000**	
E	**Laboratory Studies**						
1	Major oxides using WD XRF Analysis	No.	4.1.17 a	4200	25	105000	
2	10% check samples		4.1.17 a	4200	3	12600	
3	34 elements by ICPMS	No.	4.1.l6f	7400	25	185000	
4	10% check samples	No.	4.1.l6f	7400	3	22200	
	Heavy Mineral Separation		4.3.6a	2890	150	433500	Stream Sediment Samples
	Sub Total E					**758300**	
F	**Physical & Petrological Studies**						
1	Preparation of thin section	No.	4.3.1	500	0	0	

2	Preparation of polished thin section	No.	4.3.2	800	15	12000	
3	Complete petrographic study report	No.	4.3.4	2800	15	42000	
4	XRD analysis	No.	4.5.2	4000	0	0	
5	Preparation of unmounted grain mounts polished section (Stub)	No.	4.3.3	700	15	10500	
6	Preparation of unmounted polished section of rock (Stub)	No.	4.3.4	2800	15	42000	
7	EPMA studies per hour	per hour	4.4.1	10,500	20	210,000	
8	SEM studies per hour	per hour	4.4.2	3,500	-	-	
	Sub Total F					**316500**	
	Total A+B+C+D+E+F					**8,681,590**	
	Total Cost			30000		**8681590**	
F	Peer Review by External Expert	No.	As per EC decision		1	30000	
G	Preparation of Exploration Proposal	No.	5.1	2% of the approved project cost or Rs. 500000 whichever is less	1	173632	As per SoC
H	**Project Cost without GST**					**8885222**	
I	**GST - 18%**					**1599340**	
J	**Total Project Cost (With GST)**					**1,04,84,562**	
	Rs. In Lacs					**104.85**	
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 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**

Annexure 13

Estimated Cost for Reconnaissance survey (G4) for Ni, Cr, PGE and other critical minerals in Junnar area, District, Pune, Maharashtra
Total area: 100 sq.km; Total Borehole: 3 Nos.; Total drilling meterage: 300 m; Timeline: 10 months, Review after 4 and 8 Months
Agency: Wattfin Ventures Private Limited
Project ID: ME/DD/G4/MH/26-27/098

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Geological Mapping Other Geological Work & Surveying**						
1	Geological mapping, (1:12500) & Trenching, drilling work	per sq. km	1.1	18,300	100.0	1830000	
2	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a.(b)	14,500	120	1740000	
3	b. Labours Charges; Base rate	Day	5.8	556	240	133440	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
4	c. Charges for Geologist per day (HQ)	Per day	1.2.1a.(a)	10,500	30	315000	
5	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	29	227650	
6	e. Labours (4 Nos)	day	5.8	556	116	64496	65,640
					Sub Total- A	**4310586**	
B	**Survey work**						

a	DGPS Survey for BH fixation	Per Point of observation	1.3.2	24,000	3	72000	3 BH
b	Trenching		2.1.1	4,125	50	206250	
					Sub-Total-B	**278250**	
C	**Drilling (in house)**						
1	Drilling up to 400m (Hard Rock)	m	2.2.1.1d	10,000	300	3000000	Drilling quantum will be revised at first review based on geological mapping and sampling results. Borehole depth to be 100 m only when justified by presence of mineralization. Unnecessary drilling to be avoided.
2	Land / Crop Compensation (in case the BH falls in agricultural Land)	per borehole	5.6	30000	3	90000	As per actuals
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2000	3	6000	
4	Borehole plugging by cement	Lum sum per borehole	2.2.8	10000	3	30000	0
5	Core preservation	per m	5.3	1,590	100	159000	
6	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road)	Lum sum per borehole	2.2.9			750000	For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost
					Sub Total C	**4035000**	
D	**LABORATORY STUDIES**						
	Chemical Analysis						

i)	**Geochemical Sampling-Surface samples (Bedrock/Channel)**						
	Major oxides (WD XRF) – (oxides + traces – 24 elements)	Per Sample	4.1.17a	4200.00	200	840000	
	Major oxides (WD XRF) – (oxides + traces – 24 elements) Check sample (10% External)	Per Sample	4.1.17a	4200.00	20	84000	
	Pt & Pd by AAS	Per Sample	4.1.7a	3500.00	10	35000	
	Analysis of 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	7400.00	10	74000	
	Analysis of 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) Check sample (10% External)	Per Sample	4.1.15	7400.00	1	7400	
					Sub Total D	**1040400**	
E	**<u>Physical & Petrological Studies</u>**						
1	Preparation of polish section	Nos	4.3.2	800	10	8000	
2	Complete petrographic /ore microscopic study/mineragraphic report of rocks sample (along with 5 nos. digital photo micrographs)	Nos	4.3.4	2,800	10	28000	
3	EPMA studies	per hour	4.4.1	10500	10	105000	
					Sub Total E	**141000**	

F					**Total A to E**	**9805236**	
G	**Geological Report Preparation**	**soft copy**	**5.2**	**5.2 (ii)**		**250000**	Reimbursement will be made after submission of the final Geological Report in the soft copy to NMEDT.
H	**Peer review Charges**		**As per EC decision**			**30000**	
I	**Preparation of Exploration Proposal (5 Hard copies with a soft copy)**	**soft copy**	**5.1**	2% or 5 lakh whichever is lower		**196105**	EA will be reimbursed after submission of the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.
J	**Total Estimated Cost without GST**					**10281341**	
K	**Provision for GST (18%)**					**1850641**	GST will be reimbursed as per actual and as per notified prescribed rate
L	**Total Estimated Cost with GST**					**1,21,31,982**	
Note:				**or Say Rs. In Lakhs**		**121.32**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.

Annexure 14

Estimated Cost for Preliminary exploration (G3) for Bauxite, Aluminous Laterite and associated critical minerals in Chapekhol block, District, Sindhudurg, Maharashtra
Total area: 6.76 sq. km; Total Borehole: 22 Nos.; Total drilling meterage: 400m; Timeline: 12 months; Review after 4 and 8 Months
Agency: Wattfin Ventures Private Limited
Proposal ID: ME/DD/G3/MH/26-27/108

S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item - Sl. No.	Rates as per SoC	Qty.	Amount (Rs)	
A	**GEOLOGICAL WORK**						
1	**Geological Mapping (1:4000)**	per sq.km	1.1	18,300	6.76	123708	
i	Charges for Geologist- Field	day	1.2.1a	14,500	120	1740000	
ii	Charges for one Geologist - HQ	day	1.2.1a	10,500	30	315000	
iii	Labours Charges; Base rate	day	5.8	556	240	133440	
2	**Trenching**						
	Pitting	cu. m	2.1.2	4725	10	47250	
3	**Survey Work**						
i	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF		1.3.1	10500	30	315000	
ii	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL)		1.3.2	24000	28	672000	
iii	Labours for Surve work		5.8	556	120	66720	
iv	Charges for one Sampler per day	Day	1.2.1b	7,850	51	400350	
v	Labours Charges; Base rate	day	5.8	556	204	113424	
	Sub Total A					**3926892**	
B	**DRILLING (in house)**						

i	Drilling in / Drilling in Soft rock	m	2.2.1.1c	5,500	400	2200000	Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Land / Crop Compensation	per BH	5.6	30,000	22	660000	as per actual
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	22	44000	
v	Drill Core Preservation: One complete borehole plus mineralised core of all the remaining Bhs	m	5.3	1,590	200	318000	One complete borehole plus mineralised core of all the BHs of the Block / Prospect to be preserved in GI Core boxes and subsequently transported to the notified Core Repository.
vi	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of approach road.	Lumpsum	2.2.9			550000	For Drilling cost less than 50 lakhs 25% of the Drilling Cost
	Sub Total- B					**37,72,000.00**	
C	**LABORATORY STUDIES**						
1	**Chemical Analysis**						
i	Major oxides (WD XRF)-(oxides+traces-24 elements)	per sample	4.1.17a	4,200	250	1050000	
	Check sample (10% External)	per sample	4.1.17a	4,200	25	105000	
ii	**ICPMS for Trace elements**						
	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element by ICP-MS (sequential technique)	per sample	4.1.15	7,400	50	370000	
	External Check (10%)	per sample	4.1.15	7,400	5	37000	

	Determination of Trihydrate Alumina (THA-140º C)	per sample	4.1.19b	5,000	22	110000	
	Determination of Reactive Silica	per sample	4.1.19d	5,000	22	110000	
	Combined determination of Trihydrate Alumina (THA-140º C), Monohydrate Alumina (MHA-240º C) & Reactive Silica	per sample	4.1.19a	7,500	22	165000	
	Available Alumina (TAA)	per sample	4.1.19f	5,000	22	110000	
2	**Physical & Petrological Studies**						
i	Preparation of thin section Preparation of polished thin section of rock/ wafer	per sample	4.3.2	800	10	8000	
ii	Complete petrographic study report	per sample	4.3.4	2,800	10	28000	
iii	XRD analysis for identification of minerals (Random)	per sample	4.5.2	4,000	10	40000	
iv	Bulk density	per sample	4.8.3	2,500	10	25000	
					Sub Total C	**2158000**	
				Total A-C		**98,56,892.00**	
D	**Geological Report Preparation**		**5.2.iii**	Total cost exceeding ₹50 lakh but less than 150 lakhs: ₹2.5 lakh		**2,50,000.00**	
E	**Peer review Charges**		**As per EC decision**			**30000**	
F	**Preparation of Exploration Proposal (soft copy)**	**as per EC**	**5.1**	2% of the Cost or Rs. 5 Lakhs		**1,97,138**	

				whichever is lower			
G	**Total Estimated Cost without GST**					**1,03,34,029.84**	
H	**Provision for GST (18%)**					**18,60,125.37**	
I	**Total Estimated Cost with GST**					**1,21,94,155**	
					In Lakhs (₹)	**121.94**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.						

Annexure 15

Estimated Cost for Preliminary Exploration (G3) for Barium, Vanadium and associated Mineralization in Baswari block, Tehsil-Pati, District: Champawat, Uttarakhand
Total area: 1.54 sq.km.; Total Borehole: 10 Nos.; Total drilling meterage: 700m; Timeline: 12 months; Review after 4 and 8 months
Agency: Vibrant Techno Lab Private Limited
Proposal ID: ME/IND/G3/UK/P/26-27/018

S. No.	Job Description	Unit *	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal As per Previous SoC	Total Amount (Rs) as per SoC 2025-26 (a*b = C)	Hilly terrain of Himalaya region (Total amount X 2)	Remarks
			SoC Item No.*	Rates as per SoC* (a)	Qty. (b)		(c*2)	
A	**Geological Mapping (DM) (1:2000) with contouring**							
1	Geological Mapping(1:2000 scale)	Sq.km	1.1	28,600	1.54	44,044	44,044	Hilly terrain rate
					Sub Total A	**44,044**	**44,044**	
B	**Pitting/Trenching**							
1	Trench	per cu m	2.1.1	4,125	50	2,06,250	4,12,500	
					Sub Total B	**2,06,250**	**4,12,500**	
C	**Other Charges**							
1	Geologist: In field	Mandays	1.2.1a	14,500	120	17,40,000	34,80,000	
2	Geologist: at HQ	Mandays	1.2.1a	10,500	60	6,30,000	6,30,000	
3	Charges for one sampler per day (for sample preparation)	Mandays	1.2.1b	7,850	39	3,06,150	6,12,300	
4	Labour charges (Sampler)	Mandays	5.8	556	156	86,736	1,73,472	
4	Labour charges (Includes Geologist	Mandays	5.8	556	240	1,33,440	2,66,880	

4	Labour charges (Includes Surveyor)	Mandays	5.8	556	180	1,00,080	2,00,160	
7	Surveyor (for mapping & contouring)	Mandays	1.3.1	10,500	45	4,72,500	9,45,000	
9	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)	Per point of Observation	1.3.2	24,000	14	3,36,000	6,72,000	10 Bh + 4 Boundary Pillar
	Sub Total C					**38,04,906**	**69,79,812**	
D	**Geophysical Survey Work**							
1	Self Potential (8-20 Line Km)	Line km	3.3a	1,55,350	10	15,53,500	15,53,500	For hilly terrain
	Sub Total-D					**15,53,500**	15,53,500	
E	**DRILLING (Outsourced)**							
1	Drilling up to 300m (Hard Rock)	Meter	2.2.1.1d	10,000	700	70,00,000	1,40,00,000	2nd level BH will be done after review of 1st Level BHs results. Borehole depth to be justified by presence of mineralization.

								Unnecessary drilling to be avoided.
2	Drill core Preservation	Per meter	5.3	1,590	300	4,77,000	4,77,000	
2	Land / Crop Compensation (in case the BH falls in agricultural Land)	Per BH	5.6	30,000	10	3,00,000	3,00,000	As per actuals with 30000 being the maximum ceiling
3	Borehole deviation survey by multi shot survey tool (interval 6 m ; azimuth and inclination to be recorded	Per shot	2.2.5	330	117	38,610	77,220	Outsourced
3	Construction of concrete Pillar (12"x12"x30")	Per BH	2.2.7	2,000	10	20,000	40,000	
4	Borehole plugging by cement	Per BH	2.2.8	10,000	10	1,00,000	2,00,000	
	Sub Total E					**79,35,610**	**1,50,94,220**	
F	**LABORATORY STUDIES**							
1	Graphite Proximate Analysis	Per sample	4.1.18	3,614	95	3,43,330	3,43,330	(20 BRS/Channel + 25Trench +50 Core)
2	Graphite Proximate Analysis (10%) Check samples)	Per sample	4.1.18	3,614	10	36,140	36,140	

3	Analysis of BRS/Channel, Trench sample for quantitative analysis of 14 REE elements+9 Trace element (V, Ba, Ga, Mo, U, Cu, Pb, Zn, Y) by ICPMS	Per sample	4.1.15	7,400	195	14,43,000	14,43,000	(20 BRS+ 25Trench +150 Core)
4	BRS/Channel, Trench External (10%) Check samples)	Per sample	4.1.15	7,400	20	1,48,000	1,48,000	
5	Major oxides (WD XRF) - (oxides + traces-24 elements)	Per sample	4.1.17a	4,200	20	84,000	84,000	
6	Major oxides (WD XRF) - (oxides + traces-24 elements) (10%) Check samples)	Per sample	4.1.17a	4200	2	8,400	8,400	
	Physical & Petrological Studies	Nos						
1	Preparation & study of thin polished section	Nos	4.3.2	800	10	8,000	8,000	
2	Complete petrographic /ore microscopic study/miner graphic report of	Nos	4.3.4	2,800	10	28,000	28,000	

	rock sample (along with 5 nos. digital photo micrographs)							
3	SEM	hrs	4.4.2	3,500	5	17,500	17,500	
4	Specific Gravity	Nos	4.8.1	2,500	0	0	0	
	Raman Spectroscopy	Nos	4.5.1	2,700	5	13,500	13,500	
5	Bulk Density	Nos	4.8.3	2,500	5	12,500	12,500	
	Sub Total F					**21,42,370**	**21,42,370**	
	Total A to F					**1,56,86,680**	**2,62,26,446**	
G	**Total outsourced component (if any)**						**1,40,77,220**	
H	In case of outsourcing of work, the Technical Supervision cost shall be 10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh		**6**		**1**		**14,07,722**	
I	Geological Report Preparation	Geological Report Preparation	5.2(iii)		1	**7,50,000**	**7,50,000**	Reimbursement will be made after submission of the final Geological Report to NMEDT.
J	Peer review Charges		As per EC decision		1	**30,000**	**30,000**	
K	Tendering Process Cost						**2,81,544**	
L	Preparation of Exploration Proposal (5 Hard	Soft copy	5.1		1		**5,00,000**	

	copies with a soft copy)							
N	Total Estimated Cost without GST						**2,91,95,712**	
O	Provision for GST (18% of J)						**52,55,228**	GST will be reimbursed as per actual and as per notified prescribed rate
P	Total Estimated Cost with GST						**3,44,50,941**	
Q						**Rs. In lacs**	**344.51**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.							

Annexure 16

Estimated cost for Reconnaissance Survey (G4) for Titanium-bearing Magnetite-Ilmenite mineralization in Lohari area, Korea, Manendragarh-Chirmiri-Bharatpur districts, Chhattisgarh
Total area: 95.2 sq. km.; Total Borehole: 4 Nos. (Depth Per Borehole: 100 m); Total drilling meterage: 500m; Timeline: 10 months; Review after 4 & 8 months
Agency: Siddharth Geo Consultant
Proposal ID: ME/DD/G4/CT/26-27/167

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC Item No.*	Rates as per SoC* (a)	Qty. (b)	Total Amount (Rs) (a*b)	
1	**Geological mapping and sampling**						
i	Geological mapping (1:12,500)	Per sq. km	1.1	18300	95.2	1742160	
ii	Charges for one sampler per day	per day	1.2.1b	7850	10	78500	
iii	Labour charges	per day	5.8	556	40	22240	
					SUB- TOTAL 1	**1842900**	
2							
i	Trenching	per cu. m.	2.1.1	4125	100	412500	
ii	Charges for Geologist per day in field (without labour)	per day	1.2.1a	14500	90	1305000	
iii	Labour charges	per day	5.8	556	180	100080	
iv	Charges for one Geologist per day at HQ	per day	1.2.1a	10500	45	472500	
					SUB- TOTAL 2	**2290080**	
3	**Drilling Activity**						
i	Drilling	per m	2.2.1.1d	10000	**500**	**5000000**	Drilling to be decided after mapping and analysis of surface samples. Borehole depth to be justified by

							presence of mineralization. Unnecessary drilling to be avoided.
ii	Land Compensation	Per Borehole	5.6	30000	**5**	150000	As per actuals with 30000 being max ceiling for each BH
iii	Concrete Pillar Construction	Per Borehole	2.2.7	2000	**5**	10000	
iv	Borehole Plugging	Lumpsum per borehole	2.2.8	10000	**5**	50000	
v	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road)	Lumpsum	2.2.9	For Drilling cost upto 50 Lakhs: 25% of the Drilling Cost		1250000	
vi	Drill Core Preservation	m	5.3	1590	100	159000	1 BH
					SUB- TOTAL 3	**6619000**	
4	**Laboratory study**						
i	For PGE (ICP-MS Ni-S Fire assay technique)	per sample	4.1.6	13600	10	136000	
ii	Check samples for PGE (ICP-MS Ni-S Fire assay technique)	per sample	4.1.6	13600	1	13600	
iii	Major oxides (WD XRF)-(oxides+ traces -24 elements)	per sample	4.1.17a	4200	25	105000	
iv	Check sample for Major oxides (WD XRF)-(oxides+ traces -24 elements)	per sample	4.1.17a	4200	3	12600	

v	Rapid geochemical analysis by AAS method First five radicals	per sample	4.1.8a	2506	40	100240	
vi	Rapid geochemical analysis by AAS method First five radicals (10% check samples)	per sample	4.1.8a	2506	4	10024	
					SUB- TOTAL 4	**377464**	
5	**Petrological studies**						
i	Preparation of polished thin section of rock	per sample	4.3.2	800	25	20000	
ii	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	per sample	4.3.4	2800	25	70000	
					SUB- TOTAL 5	**90000**	
					TOTAL 1 to 5	**11219444**	
6	**Preparation of Exploration Proposal**	5 hard copies with soft copies	5.1	2% of approved project cost or 5 lakh whichever is lower		224389	
7	**Geological Report Preparation**	5 hard copies with soft copies	5.2(ii)	Total cost exceeding ₹50 lakh but less than 150 lakh: ₹2.5 lakh		**250000**	
8	**Peer review Charges**	As per EC decision				**30000**	
					Total Estimated Cost without GST	**11723833**	
					Provision for GST (18%)	**2110290**	
					Total Estimated Cost with GST 18%	**1,38,34,123**	
					In lakhs (₹)	**138.34**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.

Annexure 17

Estimated Cost for Preliminary exploration (G3) for Aluminous Laterite, Vanadium & associated minerals in Alorna-Ibrampur block, North Goa district, Goa.

Total area: 4.3 sq. km; Total Borehole: 5 Nos.; Total drilling meterage: 200m; Timeline: 12 months; Review - After 4 and 8 months

Agency: BMRC Geomining Solutions Pvt. Ltd.

Proposal ID: ME/DD/G3/GA/26-27/151

			Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		
S. No.	**Item of Work ***	**Unit ***	**SoC-Item No.***	**Rates as per SoC ***	**Qty.**	**Total Amount (Rs)**	**Remarks**
A	**Geological Mapping and Other Geological Work**						
i	**Geological mapping with Topographic Survey (1:4,000 scale)**	per Sq. Km	1.1	18,300	4.3	78690.00	
ii	Charges for Geologist per day (Field) for geological mapping with Sampling	day	1.2.1a(b)	14500	120	1740000.00	
iii	Labours Charges	day	5.8	556	240	133440.00	
iv	Charges for Geologist per day (HQ)	day	1.2.1a(a)	10500	30	315000.00	
				Sub Total- A		**2267130.00**	
B	**Trenching/Pitting**						
i	Excavation of Pit upto 2.0m depth	per cu.m	2.1.2	4725	150	708750.00	
				Sub Total- B		**708750.00**	
C	**Survey Work**						
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.	Charges for one Surveyor per day	1.3.1	10500	45	472500.00	
ii	Labour Charges	Days	5.8	556	180	100080.00	
iii	Sampler Charges	Days	1.2.1b	7850	26	204100.00	
iv	Labour	Days	5.8	556	104	57824.00	
				Sub Total- C		**834504.00**	
D	**LABORATORY STUDIES (Surface samples)**						

	Complete analysis of Dolomite/Limestone/Gypsum/clay/manganese ore/Bauxite/ Iron ore sample						
i	Major oxide (WD XRF)	Per sample	4.1.17a	4200.00	75	315000.00	75 PTS
	Major oxide (WD XRF) 10 % external	Per sample	4.1.17a	4200.00	8	33600.00	
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)	Per Sample	4.1.15	7400.00	75	555000.00	75 PTS
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)10 % external	Per Sample	4.1.15	7400.00	8	59200.00	
					Sub-Total-D	**962800.00**	
E	**LABORATORY STUDIES (Core Sample)**						
i	Major oxide (WD XRF) - (oxides+Traces - 24 elements)	Per sample	4.1.17a	4200.00	50	210000.00	
	10% external check	Per sample	4.1.17a	4200.00	5	21000.00	
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) + 10 % external check sample	Per Sample	4.1.15	7400.00	10	74000.00	
iii	10% external check	Per Sample	4.1.15	7400.00	1	7400.00	
					Sub-Total-E	**312400.00**	
F	**Drilling (In House)**						
i	Drilling	Per m	2.2.1.1c	5500	200	1100000	Drilling to be decided after mapping and analysis of samples. Borehole depth to be justified by presence of

							mineralization. Unnecessary drilling to be avoided.
ii	Construction of concrete Pillar (12"x12"x30")	Per borehole	2.2.7	2000	5	10000	
iii	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road	Lumpsum	2.2.9	For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost		275000	
iv	Land Crop compensation	Per borehole	5.6	30000	5	150000	As per actulas with Rs 30000 being max ceiling per BH
v	**Drill Core Preservation**	Per m	5.3	1590	100	159000	1 stratigraphic BH and remaining mineralised zone
					Sub-Total- F	**1694000**	
G	**Survey Work**						
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	24000	12	288000.00	5 Borehole + 7 Cardinal points
					Sub-Total- G	**288000.00**	
H	**Physical & Petrological Studies**						
i	Preparation of standard thin section of rock	Nos.	4.3.1	500.00	10	5000.00	
ii	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Nos.	4.3.4	2800.00	10	28000.00	

iii	Bulk Density - Dry / Saturated	Per Sample	4.8.3	2500	5	12500.00	
					Sub-total-H	**45500.00**	
I	**Mineral Physics Study**						
i	XRD	Per sample	4.5.2	4000.00	10	40000.00	
					Subtotal -I	**40000.00**	
					Total A to I	**7153084.00**	
	Preparation of Exploration Proposal	Soft Copy	5.1			**143061.68**	2% of approved project cost or 5 lakh whichever is lower
	Geological Report Preparation	Soft Copy	5.2			**250000.00**	
	Peer Review					30000	
					Total Estimated Cost without GST	**7576145.68**	
					Provision for GST (18%)	**1363706.00**	
					Total Estimated Cost with GST	**89,39,852.00**	
					Total Estimated Cost with GST IN Lakhs	**89.40**	

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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.

Annexure 18

Estimated Cost for Reconnaissance Survey (G4) for Vanadium, Graphite and Associated Minerals in Simrar-Birkhan Area, Nainital District, Uttarakhand
Total Borehole: 56.23 sq. km.; Total Borehole: 5 Nos.; Total drilling meterage: 300m; Timeline: 10 months; Review after 4 and 8 months
Agency: MECL
Proposal ID: ME/DD/G4/UK/MECL/26-27/014

S. No.	Item of Work	Unit	Rates as per NMEDT Revised SoC 2025		Estimated Cost of the Proposal		Remarks
			SoC-Item -Sl. No.		Qty.	Amount (Rs)	
A	**GEOLOGICAL MAPPING**						
i	Large Scale Mapping (1:12,500)	per sq. km	1.1c	28,600	56.23	16,08,178	Himalayan Region more than 1000m elevation
B	**OTHER GEOLOGICAL WORK/ ACTIVITIES**						
i	Charges for one Geologist- Field	per day	1.2.1a (b)	14,500	130	18,85,000	
ii	Charges for one Geologist - HQ	per day	1.2.1a (a)	10,500	45	4,72,500	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	260	1,44,560	
iv	Sampling -1 Samplers Labour charge not included	per day	1.2.1b	7,850	34	2,66,900	
v	4 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	136	75,616	
C	**TRENCHING**						
i	Trenching	per cu. m.	2.1.1	4125	50	2,06,250	
					Sub Total- A TO C	**46,59,004**	

D	**Drilling (Outsource)**						
	Drilling	Meter	2.2.1.1d	10,000	300	30,00,000	Drilling to be decided after mapping and analysis of samples. Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
	Drill core Preservation	per meter	5.3	1,590	100	1,59,000	
	Land / Crop Compensation	Per BH	5.6	30,000	5	1,50,000	
	Construction of concrete Pillar (12"x12"x30")	Per BH	2.2.7	2,000	5	10,000	
	Borehole plugging by cement	Per BH	2.2.8	10,000	5	50,000	
	Tendering Cost		5.9	2% of the approved project cost or 5 Lakh whichever is lower will be paid one time		60,000	
	Technical Supervision Cost		6	Technical Supervision cost shall be 10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh.		3,00,000	
					Total D	**37,29,000**	
E	Chemical Analysis						

i	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element by ICP-MS (sequential technique)	per sample	4.1.15	7,400	115	8,51,000	Bedrock & soil: 25, Stream Sediment Samples: 20, Trench Samples: 20, Core samples: 50
ii	Proximate analysis of Graphite	per sample	4.1.18	3,614	130	4,69,820	Bedrock/channel samples: 50 and Trench:30, Core samples: 50
iii	External (10%) Check samples Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element by ICP-MS (sequential technique)	per sample	4.1.15	7,400	11	81,400	
iv	External (10%) check samples Proximate analysis of Graphite	per sample	4.1.18	3,614	13	46,982	
v	Major oxides (WD XRF)- (oxides+ traces - 24 elements)	per sample	4.1.17a	4,200	30	1,26,000	
vi	Major oxides (WD XRF)- (oxides+ traces - 24 elements)	per sample	4.1.17a	4,200	3	12,600	
	Physical & Petrological Study						
vii	XRD analysis for identification of mineral phase	per sample	4.5.2	4,000	10	40,000	
viii	Preparation of thin polished section	per sample	4.3.2	800	10	8,000	
ix	Complete petrographic /ore microscopic	per sample	4.3.4	2,800	10	28,000	

	study/mineragraphic report of rock sample(along with 5 nos. digital photo micrographs)						
x	SEM study	per hr	4.4.2	3,500	5	17,500	
					Sub Total- E	**16,81,302**	
					Total A to E	**1,00,69,306**	
F	**Geological Report Preparation**	**5 Hard copies with a soft copy**	**5.2.(ii)**	Total cost of the project exceeding 50 lakhs, But less than150 lakhs		**2,50,000**	
G	**Peer review Charges**		**As per EC decision**			**30,000**	
H	**Preparation of Exploration Proposal**		**5.1**	2% of the Cost or Rs. 5 Lakhs whichever is lower		**2,01,386**	
					Total Estimated Cost without GST	**1,05,50,692**	
					Provision for GST (18%)	**18,99,125**	GST will be reimbursed as per actual and as per notified prescribed rate
					Total Estimated Cost with GST	**1,24,49,817**	
					or Say Rs. In Lakhs	**124.50**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.						

Annexure 19

Estimated Cost for Preliminary Exploration (G3) of Graphite in Ejamar North Block, Latehar District, Jharkhand
Total area: 4.8 sq. km.; Total Borehole: 10 Nos.; Total drilling meterage: 700 m; Timeline: 12 months; Review after 4 and 8 months
Agency: MMPL Pvt. Ltd.
Proposal ID: ME/DD/G3/JH/26-27/240

Sl. No	Item Of Work*	Unit*	Rate As Per NMEDT SOC 2025-26		Estimated Cost of the Proposal		Remarks
			SOC. Item No	Rate As per revised SOC* (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Large Scale Geological Mapping Other Geological Work & Surveying**						
i	Geological mapping (1:4000), Trenching & Drilling work	Per Sq. km	1.1	18300	4.8	87,840.00	
ii	Charges for Geologists per day (Field)	day	1.2.1a	14,500.00	120	17,40,000.00	
iii	Labours charges	day	5.8	556.00	240	1,33,440.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iv	Charges for Geologist (HQ)	day	1.2.1a	10,500.00	45	4,72,500.00	
					Sub Total- A	**24,33,780.00**	
B	**Trenching/Pitting**						
i	Trenching	per cu. m	2.1.1	4,125.00	100	4,12,500.00	
					Sub Total- B	**4,12,500.00**	
C	**Survey work**						
i	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and	per day	1.3.1	10,500.00	30	3,15,000.00	

	surface contouring at different interval, fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes with total station etc.						
ii	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000.00	14	3,36,000.00	10 BH + 4 Cardinal points
iii	Labours Charges for survey work; Base rate	day	5.8	556.00	120	66,720.00	
					Sub Total- C	**7,17,720.00**	
D	**Ground Geophysical Survey (in- house)**						
i	SP survey	Line km	3.3a	62,140.00	10	6,21,400.00	
					Sub Total- D	**6,21,400.00**	
E	**Drilling (in-house)**						
i	Drilling	per m	2.2.1.1d	10,000.00	700	70,00,000.00	10 BH@ 70 m. Drilling to be decided after mapping and analysis of samples. Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided. Second level of drilling after analysis of first level drilling outcomes.
ii	Borehole deviation by multi shot camera	per m	2.2.5	330.00	117	38,610.00	
iii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per borehole	5.6	30,000.00	10	3,00,000.00	

iv	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000.00	10	20,000.00	
v	Miscellaneous charges (Transportation of drilling rigs, accommodation for drilling camp, camp setting and winding construction of approach road making)	Lumpsum	2.2.9	Drilling cost more than 50 lakhs and less than 1 crore: 20% of the drilling cost with a maximum ceiling of Rs. 15 lakhs		14,00,000.00	
vi	Borehole plugging	per borehole	2.2.8	10,000.00	10	1,00,000.00	
vii	Drill core preservation	per m	5.3	1,590.00	200	3,18,000.00	
viii	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850.00	29	2,27,650.00	
ix	Charges for Labour	day	5.8	556.00	116	64,496.00	
					Sub Total- E	**94,68,756.00**	
F	**Laboratory Studies**						
1	**Chemical Analysis**						
i)	**Surface Samples+ Trench samples+ BH Core samples**						
a	Proximate analysis for graphite	Nos	4.1.18	3,614.00	200	7,22,800.00	
b	Proximate analysis for graphite (10% external check)	Nos	4.1.18	3,614.00	20	72,280.00	
c	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements+9 Trace elements	Nos	4.1.15	7,400.00	20	1,48,000.00	

	(U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)						
d	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements+9 Trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique) (10% external check)	Nos	4.1.15	7,400.00	2	14,800.00	
e	Estimation of major oxides by XRF technique (Whole rock analysis) (10% external check)	Nos	4.1.17a	4,200.00	10	42,000.00	
f	Estimation of major oxides by XRF technique (Whole rock analysis)	Nos	4.1.17a	4,200.00	1	4,200.00	
2	**Physical & Petrological Studies**						
i	Preparation of Standard thin section of rock	Nos	4.3.2	800.00	10	8,000.00	
ii	Complete petrographic/ ore microscopic study/ mineragraphic report of rock sample (along with 5 nos. digital photo micrograph)	Nos	4.3.4	2,800.00	10	28,000.00	
iii	Bulk density analysis	Nos	4.8.3	2,500.00	5	12,500.00	
iv	Raman Spectroscopy	per hour	4.5.1	2,700.00	5	13,500.00	
					Sub Total- F	**10,66,080.00**	
					Total A to F	**1,47,20,236.00**	
G	**Geological Report Preparation**		**5.2 (ii)**	**Total cost exceeding ₹50 lakh but less than 150 lakh:**		**2,50,000.00**	**Reimbursement will be made after submission of the**

							Final Geological Report
H	**Peer review Charges**	**As per EC decision**		**₹ 30,000.00**	**1**	**30,000.00**	
I	**Preparation of Exploration Proposal (soft copy)**	**Soft copy**	**5.1**		**2% of approved project cost or 5 lakh whichever is lower**	**2,94,405.00**	
					Total Estimated Cost without GST	**1,52,94,641.00**	
					Provision for GST (18%)	**27,53,035.00**	**GST will be reimbursed as per actual and as per notified prescribed rate**
					Total Estimated Cost with GST	**1,80,47,676.00**	
					Rs. In Lakhs	**180.48**	

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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.

Annexure 20

Estimated cost for Reconnaissance Survey (G4) for Graphite in Ejamar South Area, Latehar District, Jharkhand
Total area: 21.90 sq.km.; Total Borehole: 5 Nos.; Total drilling meterage: 250 m; Timeline: 10 months; Review after 4 & 8 months
Agency: MMPL Pvt. Ltd.
Proposal ID: ME/DD/G4/JH/26-27/119

SL. No	Item Of Work*	Unit*	Rate As Per NMEDT SOC 2025		Estimated Cost of the Proposal		Remarks
			SOC. Item No	Rate As per revised SOC* (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Large Scale Geological Mapping Other Geological Work & Surveying**						
i	Geological mapping (1:12,500)	Per Sq. km	1.1	18300	21.9	₹ 4,00,770.00	
ii	Charges for Geologist per (Field)	day	1.2.1a	₹ 14,500.00	100	₹ 14,50,000.00	
iii	Labours charges;	day	5.8	₹ 556.00	200	₹ 1,11,200.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iv	Charges for Geologist (HQ)	day	1.2.1a	₹ 10,500.00	45	₹ 4,72,500.00	
					Sub Total- A	**₹ 24,34,470.00**	
B	**Trenching/Pitting**						
i	Trenching	per cu.m	2.1.1	₹ 4,125.00	100	₹ 4,12,500.00	
					Sub Total- B	**₹ 4,12,500.00**	
C	**Survey work**						

i	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	₹ 24,000.00	5	₹ 1,20,000.00	
					Sub Total- C	**₹ 1,20,000.00**	
D	**Ground Geophysical Survey (in-house)**						
i	Charge for SP survey	Line km	3.3a	₹ 62,140.00	10	₹ 6,21,400.00	
	Sub Total- D					**₹ 6,21,400.00**	
E	**Drilling (after review) (in-house)**						
i	Drilling	per m	2.2.1.1d	₹ 10,000.00	250	₹ 25,00,000.00	Drilling to be decided after mapping and analysis of samples. Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per borehole	5.6	₹ 30,000.00	5	₹ 1,50,000.00	
iii	Borehole plugging by Cement	per borehole	2.2.8	₹ 10,000.00	5	₹ 50,000.00	
iv	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	₹ 2,000.00	5	₹ 10,000.00	
v	Miscellaneous charges (Transportation of drilling rigs, accomodation for	Lumpsum	2.2.9	Drilling cost less than 50 lakhs. 25% of the drilling cost		₹ 6,25,000.00	

	drilling camp, camp setting and winding construction of approach road making)						
vi	Drill core preservation	per m	5.3	₹ 1,590.00	100	₹ 1,59,000.00	
vii	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	₹ 7,850.00	21	₹ 1,64,850.00	
viii	Charges for Labour	day	5.8	₹ 556.00	84	₹ 46,704.00	
					Sub Total- E	**₹ 37,05,554.00**	
F	**Laboratory Studies**						
1	**Chemical Analysis**						
i)	**Surface Samples+ Trench samples+ BH Core samples**						
a	Proximate analysis for graphite	Nos	4.1.18	₹ 3,614.00	150	₹ 5,42,100.00	
b	Proximate analysis for graphite (10% external check)	Nos	4.1.18	₹ 3,614.00	15	₹ 54,210.00	
c	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements+9 Trace elements	Nos	4.1.15	₹ 7,400.00	10	₹ 74,000.00	

	(U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique)						
d	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements+9 Trace elements (U, Ta, Ge, Be, Hf, Sn, As, Rb, Th) by ICP-MS (sequential technique) 10% external check)	Nos	4.1.15	₹ 7,400.00	1	₹ 7,400.00	
e	Estimation of major oxides by XRF technique (Whole rock analysis)	Nos	4.1.17a	₹ 4,200.00	10	₹ 42,000.00	
f	Estimation of major oxides by XRF technique (Whole rock analysis)10% external check)	Nos	4.1.17a	₹ 4,200.00	1	₹ 4,200.00	
2	**Physical & Petrological Studies**						
i	Preparation of Standard thin section of rock	Nos	4.3.2	₹ 800.00	10	₹ 8,000.00	

ii	Complete petrographic/ ore microscopic study/ mineragraphic report of rock sample (along with 5 nos. digital photo micrograph)	Nos	4.3.4	₹ 2,800.00	10	₹ 28,000.00	
	Sub Total- F					**₹ 7,59,910.00**	
	Total A to F					**₹ 80,53,834.00**	
	Geological Report Preparation		**5.2**	**Total cost exceeding ₹50 lakh but less than 150 lakhs**		**₹ 2,50,000.00**	**Reimbursement will be made after submission of the Final Geological Report**
	Peer review Charges	**As per EC decision**		**₹ 30,000.00**	**1**	**₹ 30,000.00**	
	Preparation of Exploration Proposal (soft copy)	**soft copy**	**5.1**	**2% of the Cost or Rs. 5 Lakhs whichever is less**		**₹ 1,61,077.00**	
	Total Estimated Cost without GST					**₹ 84,94,911.00**	
	Provision for GST (18% of L)					**₹ 15,29,084.00**	**GST will be reimbursed as per actual and as per notified prescribed rate**
N	***Total Estimated Cost with GST***					***₹ 1,00,23,995.00***	
				Rs. In Lakhs		***₹ 100.24***	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.						

Annexure 21

Estimated Cost for Preliminary Exploration (G3) for Glauconite and other Critical Minerals in Khari Piparwasi Block, Sheopur District, Madhya Pradesh
Total area: 13.80 sq.km; Total Borehole: 15 Nos.; Total drilling meterage: 750m; Timeline: 12 months; Review after 4 and 8 months
Agency: MMPL Pvt. Ltd.
Proposal ID: ME/DD/G3/MP/26-27/162

Sl. No	Item Of Work*	Unit*	Rate As Per NMEDT SOC 2025		Estimated Cost of the Proposal		
			SOC. Item No	Rate As Per SOC* (a)	Qty. (b)	Total Amount (Rs) (a*b)	Remarks
A	**Large Scale Geological Mapping Other Geological Work & Surveying**						
i	Geological mapping (1:4000)	Sq. km	1.1	₹ 18,300.00	13.8	₹ 2,52,540.00	
ii	Charges for Geologist per day (Field) for Geological mapping & Pitting work, drilling activity (without labour)	day	1.2.1a (b)	₹ 14,500.00	120	₹ 17,40,000.00	
iii	Labours charges	day	5.8	₹ 556.00	240	₹ 1,33,440.00	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iv	Charges for Geologist per day (HQ)	day	1.2.1a (a)	₹ 10,500.00	45	₹ 4,72,500.00	
v	Charges for one Sampler	one sampler per day	1.2.1b	₹ 7,850.00	38	₹ 2,98,300.00	
vi	Charges for Labour	day	5.8	₹ 556.00	152	₹ 84,512.00	
					Sub Total- A	**₹ 29,81,292.00**	
B	**Survey work**						

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.	Charges of one Surveyor per day	1.3.1	₹ 10,500.00	30	₹ 3,15,000.00	
ii	DGPS Survey for BH fixation & RL determination	Per Point of observation of observation	1.3.2	₹ 24,000.00	20	₹ 4,80,000.00	BH:15 and Cardinal points: 5
iii	Labours Charges for survey work	day	5.8	₹ 556.00	120	₹ 66,720.00	
					Sub Total- C	**₹ 8,61,720.00**	
D	**Drilling (in-house)**						
i	Drilling	per m	2.2.1.1c	₹ 5,500.00	750	₹ 41,25,000.00	Drilling to be decided after mapping and analysis of samples. Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per borehole	5.6	₹ 30,000.00	15	₹ 4,50,000.00	
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	₹ 2,000.00	15	₹ 30,000.00	
iv	Miscellaneous charges (Transportation of drilling rigs, accommodation for drilling camp, camp setting and winding construction of approach road making)		2.2.9	Lumpsum	25% of drilling cost	₹ 10,31,250.00	

v	Borehole plugging by Cement	per borehole	2.2.8	₹ 10,000.00	15	₹ 1,50,000.00	
vi	Drill Core Preservation	per m	5.3	₹ 1,590.00	350	₹ 5,56,500.00	
					Sub Total- E	**₹ 63,42,750.00**	
E	**Laboratory Studies**						
1	**Chemical Analysis**						
	Geochemical Sampling-						
a	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	₹ 4,200.00	300	₹ 12,60,000.00	
ii)	**Check samples (10% External)**						
a	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Nos	4.1.17a	₹ 4,200.00	30	₹ 1,26,000.00	
2	**Physical & Petrological Studies**						
i	XRD analysis for identification of minerals (Random)	Nos	4.5.2	₹ 4,000.00	20	₹ 80,000.00	
ii	Preparation of polished thin section of rock	Nos	4.3.2	₹ 800.00	10	₹ 8,000.00	
iii	Complete petrographic/ ore microscopic study/ mineragraphic report of rock sample	Nos	4.3.4	₹ 2,800.00	10	₹ 28,000.00	
iv	Bulk density analysis	Nos	4.8.3	₹ 2,500.00	5	₹ 12,500.00	
					Sub Total- E	**₹ 15,14,500.00**	
					Total A to E	**₹ 1,17,00,262.00**	
F	**Geological Report Preparation**	**soft copy**	**5.2(ii)**	**Total cost exceeding ₹50 lakh but less than 150 lakhs**		**₹ 2,50,000.00**	**Reimbursement will be made after submission of the Final Geological Report soft copy to NMEDT.**
G	**Peer review Charges**	**As per EC decision**		**₹ 30,000.00**	**1**	**₹ 30,000.00**	
H	**Preparation of Exploration Proposal**	**5 soft copy**	**5.1**	**2% of the Cost or**		**₹ 2,34,005.00**	

				Rs. 5 Lakhs whichever is less			
					Total Estimated Cost without GST	**₹ 1,22,14,267.00**	
					Provision for GST (18%)	**₹ 21,98,568.00**	**GST will be reimbursed as per actual and as per notified prescribed rate**
					Total Estimated Cost with GST	**₹ 1,44,12,835.00**	
				Rs. In Lakhs		**₹ 144.13**	

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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.

Annexure 22

Estimated Cost for Reconnaissance Survey (G4) for Nickel and associated minerals in Manpur-Chardiha Area, East Singhbhum District, Jharkhand
Total area: 40.02 sq. km., Total Borehole: 4 Nos.; Total drilling meterage: 500m; Timeline:10 months; Review after 4 and 8 months
Agency: NRD Tata
Proposal ID: ME/DD/G4/JH/26-27/141

Sl. No	Item of Work	Unit	Per Unit Cost as per SOC (2025-26)		Estimated Cost of the Proposal		Remarks
			SoC Item Sl. No	Rates as per SoC (Rs)	Quantity	Amount (Rs.)	
A	**Geological Mapping**						
1	Geological Mapping (1:12,500 scale)-LSM	Sq. Km	1.1	18300	40.02	732366	
2	Geologist	Mandays	1.2.1a(b)	14500	120	1740000	
3	Geologist HQ	Mandays	1.2.1a(a)	10500	45	472500	
4	Labour charges (for sample collection, packaging, carrying)	Mandays	5.8	556	240	133440	
5	Charges for one sampler per day (for sample preparation)	Mandays	1.2.1b	7850	42	329700	
6	Labour charges (for sample preparation)	Mandays	5.8	556	168	93408	
7	Fixation of borehole	Per Point Observation	1.3.2	24000	4	96000	
					Sub Total - A	**3597414**	
B	**Mineral Investigation**						
1	Pitting	per cu m	2.1.2	4725	100	472500	
2	Drilling in hard rock (Outsourced)	per m	2.2.1 1d	10000	500	5000000	Drilling to be decided after mapping, GP survey and analysis of samples. Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.

3	Borehole pillaring	per borehole	2.2.7	2000	4	8000	
4	Borehole plugging by cement	Lump sum	2.2.8	10000	4	40000	
5	Land/ Crop compensation	per borehole	5.6	30000	4	120000	Amount will be reimbursed as per actuals or max. Rs. 30000 per BH with certification from local authorities.
6	Drill core preservation	per m	5.3	1590	150	238500	one full core + skeletonized part of mineralization
					Sub Total - B	**5879000**	
C	**Geophysical Survey**						
1	Magnetic Survey (Outsourced)	Per station	3.2 a	1800	250	450000	
					Sub Total - C	**450000**	
D	**Laboratory Studies**						
1	Rapid geochemical analysis by AAS method	Per sample	4.1.8a First five radicals	2506	300	751800	
2	External 10% Check	Per sample	4.1.8a First five radicals	2506	30	75180	
3	Major oxides (WD XRF) - (o*xides + trace-24 elements*)	Per sample	4.1.17a	4200	10	42000	
4	External 10% Check	Per sample	4.1.17a	4200	1	4200	
5	For PGE (ICP-MS-NS Fire assay technique)	Per sample	4.1.16e	13600	20	272000	
6	External 10% Check	Per sample	4.1.16e	13600	2	27200	
7	Gold Analysis by AAS method (MIBK Method)	Per sample	4.1.7	1700	5	8500	
					Sub Total - D	**1180880**	
E	**Physical and Petrographic Studies**						
1	Preparation of polished thin section of rock/ wafer	Per sample	4.3.2	800	20	16000	

2	Complete petrographic/ ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Per sample	4.3.4	2800	20	56000	
3	EPMA Studies per hour	Per sample	4.4.1	10500	10	105000	
					Sub Total - E	**177000**	
					TOTAL APPROVED COST (A-E)	**11284294**	
	Total Outsourced Components					**5450000**	
4	Tendering Process Cost		5.9	2% of the approved project cost or 5 Lakh whichever is lower will be paid one time		109000	
5	Technical supervision cost		6.0	Technical Supervision cost shall be 10% of the sum of all the outsourced work components with a maximum ceiling of ₹ 20 lakh.		545000	
					Total	**11938294**	
6	Preparation of exploration proposal		5.1	2% of approved project cost or 5 lakh whichever is lower		238765.88	
7	Geological report preparation		5.2 (ii)	Total cost exceeding ₹50 lakh but less than 150 lakh:		250000	
8	Peer Review					30000	
					Total Estimated Cost without GST	**12457060**	
I					**Provision for GST (18%)**	**2242271**	
J					**Total Estimated Cost with GST**	**1,46,99,331**	
K					**Total Estimated Cost with GST (in Lacs)**	**146.99**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.

Annexure 23

Estimated Cost for Reconnaissance Survey (G4) for Aluminous Laterite, Bauxite and Associated Critical Minerals in Guhagar area, Ratnagiri District, Maharashtra
Total area- 44 sq. km.; Total Borehole: 10 Nos. (Borehole depth- 15 m); Total drilling meterage: 150m; Timeline: 10 months; Review after 3 and 6 Months
Agency: Unised Research Consultants Private Limited
Proposal: ME/IND/G4/MH/P/26-27/024

S. No.	Item of Work *	Unit *	Rates as per NMEDT SoC 2025-26		Estimated Cost of the Proposal		Remarks
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Geological Mapping Other Geological Work & Surveying**						
	Geological mapping, (1:12500 scale) & Trenching, drilling work	**Sq. Km**	**1.1**	18,300	44	8,05,200	
i	a. Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work (2 Nos)	day	1.2.1a	14,500	50	7,25,000	
ii	b. Labours Charges; Base rate (2 labours/geologist)	day		556	100	55,600	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
iii	c. Charges for Geologist per day (HQ)	day	1.2.1a	10,500	30	3,15,000	
iv	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	19	1,49,150	

v	e. Labours (4 Nos)	day		556	76	42,256	
	Sub Total- A					**20,92,206**	
C	**Survey work**						
a	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	10	240000	10 BHs
	Sub-Total C					**2,40,000**	
D	**Trenching/Pitting**						
	a) Excavation of Pits	per cu.m	2.1.2	4,725	240	**1134000**	Excavation of Pit up to 2.0 m depth with back filling
E	**DRILLING (after review)**						
i	Drilling (Outsourced)	m	2.1.1c	5,500	150	825000	10 BH; Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	10	3,00,000	
ii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	10	20,000	
iv	Borehole plugging by cement	per borehole	2.2.8	10000	10	1,00,000	
v	Drill Core Preservation	per m	5.3	1,590	75	1,19,250	
	Sub Total E					**13,64,250**	
G	**LABORATORY STUDIES**						
1	**Chemical Analysis**						

i	Major oxides (WD XRF)- (oxides+ traces - 24 elements)	**per sample**	4.1.17a	4,200	150	6,30,000	
ii	Major oxides (WD XRF)- (oxides+ traces - 24 elements)(10 % check)	**per sample**	4.1.17a	4,200	15	63,000	
2	Physical & Petrological Studies						
i	Preparation of thin section	Nos	4.3.2	800	10	8,000	
ii	Study of thin section	Nos	4.3.4	2,800	10	28,000	
						7,29,000	
					Total A to G	**55,59,456**	
					Outsourced Component cost	**8,25,000**	
	Tendering Process Cost		5.9	One time in case of outsourced component(s) of project work	2% of the approved project cost or 5 Lakh whichever is lower will be paid one time	**16500**	
	Technical supervision cost		**6**	10% of the sum of all the outsourced work components with a		**82500**	

				maximum ceiling of ₹ 20 lakh.			
					Total Cost	**56,58,456**	
I	**Geological Report Preparation**	**soft copy**	**5.2**	**5.2 (ii)**	Total cost exceeding ₹50 lakh but less than 150 lakh: ₹2.5 lakh	**2,50,000**	
J	**Peer review Charges**		**As per EC decision**			**30,000**	
K	**Preparation of Exploration Proposal**	**a soft copy**	**5.1**	2% of the Cost or Rs. 5.0 Lakhs whichever is less		**1,13,169**	EA will be reimbursed after submission of the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMEDT in its meeting while clearing the proposal.
					Total Estimated Cost without GST	**6051625**	
					Provision for GST (18%)	**1089292**	GST will be reimbursed as per actual and as per notified prescribed rate
	Total Estimated Cost with GST					**71,40,917**	
				or Say Rs. In Lakhs		**71.40**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.

Annexure 24

Estimated cost for Reconnaissance Survey (G4) for Nickel, Gold and associated critical minerals in Jharbandh-Pagarpani-Bandhamunda area, Bargarh district, Odisha
Total area: 100 sq. km.; Total Borehole: 4 Nos.; Total drilling meterage: 400m; Timeline: 10 months; Review after 4 and 8 Months
Agency: My World Consultancy Services Private Limited
Proposal ID: ME/IND/G4/OD/P/26-27/028

Sl. No.	Item of Work	Unit	Rates as per Revised SoC dated 15-12-2025		Estimated Cost of the Proposal		Remarks
			SoC Item No.	Rates as per SoC (Rs) (a)	Qty. (b)	Total Amount (Rs) (a*b)	
A	**Geological Mapping & Other Geological Work**						
1.1	**Large scale (LSM) Geological Mapping / Traverse mapping**						
a.	Detailed Mapping in Peninsular India: Large scale Geological mapping on 1:12,500	sq. km	1.1	18,300	100	18,30,000	
1.2	**Other Geological Work / Activities**						
a.	Geological Field days (charges for one Geologist per day in field, without labour)	per day	1.2.1a	14,500	60	8,70,000	
b.	Other Geological work (HQ) (charges for one Geologist per day at HQ)	per day	1.2.1a	10,500	30	3,15,000	
c.	Sample processing work (marking, core splitting, crushing & powdering, coning & quartering, packing & labelling of samples etc.)	per day	1.2.1b	7,850	38	2,98,300	
d.	Labours Charges; Base rate	per day	5.8	556	120	66,720	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective

							State Govt. whichever is higher.
e.	Labours Charges for sampler	per day	5.8	556	152	84,512	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher.
	Sub Total - A					**34,64,532**	
C	**Survey Work**						
a.	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS (use of CORS Network system compulsory)	Per Point of observation	1.3.2	24,000	4	96,000	
	Sub Total - C					**96,000**	
D	**Mineral Investigation**						
2.1	**Trenching / Pitting**						
a.	Excavation of Trenches up to 2.0 m depth with back filling	per cu. m	2.1.1	4,125	40	1,65,000	
b.	Excavation of Pit up to 2.0 m depth with back filling	per cu. m	2.1.2	4,725	40	1,89,000	
2.2	**Drilling**						
a.	Drilling in Hard rock / Strata: HQ size borehole up to 400 m depth	per m	2.2.1.1d	10,000	400	40,00,000	Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
b.	Land / Crop Compensation (in case the BH falls in agricultural land)	per BH	5.6	30,000	4	1,20,000	As per actual with maximum of Rs 30,000 per borehole
c.	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	4	8,000	

d.	Borehole plugging by cement	per borehole	2.2.8	10,000	4	40,000	
e.	Drill Core Preservation	per m	5.3	1,590	100	1,59,000	
f.	Miscellaneous Charges (Transportation of Drilling Rig, accommodation for Drilling Camp, Camp Setting and winding, construction of approach road etc.)	Lumpsum	2.2.9	10,00,000	1	10,00,000	
	Sub Total - D					**56,81,000**	
E	**Laboratory Studies**						
4.1	**Chemical Analysis**						
a.	Rapid geochemical analysis by AAS method - First five radicals	per sample	4.1.8a	2,506	240	6,01,440	
b.	Estimation of major oxides by XRF technique (WD XRF) - oxides + traces, 24 elements	per sample	4.1.17a	4,200	20	84,000	
c.	Analysis for precious metals by fire assay technique - Gold	per sample	4.1.5a	3,500	20	70,000	
d.	PGE (ICP-MS Ni-S Fire assay technique)	per sample	4.1.6	13,600	20	2,72,000	
e.	Rapid geochemical analysis by AAS method - First five radicals (External Check)	per sample	4.1.8a	2,506	24	60,144	External check samples (10%)
f.	Estimation of major oxides by XRF technique (WD XRF) (External Check)	per sample	4.1.17a	4,200	2	8,400	External check samples (10%)
g.	Fire assay - Gold & Ag (External Check)	per sample	4.1.5a	3,500	2	7,000	External check samples (10%)
h.	PGE (ICP-MS Ni-S Fire assay technique) (External Check)	per sample	4.1.6	13,600	2	27,200	External check samples (10%)
4.3	**Petrological Studies**						
a.	Preparation of standard thin section of rock	per sample	4.3.1	500	20	10,000	

b.	Preparation of polished thin section of rock / wafer	per sample	4.3.2	800	20	16,000	
c.	Complete petrographic / ore microscopic study / mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	per sample	4.3.4	2,800	40	1,12,000	
4.4	**EPMA / SEM Lab**						
a.	EPMA studies	per hour	4.4.1	10,500	10	1,05,000	
	Sub Total - E					**13,73,184**	
	Total A to E					**1,06,14,716**	
F	**Miscellaneous Charges**						
a.	Preparation of Exploration Proposal	% of Total A to E	5.1	2%		2,12,294	
b.	Geological Report Preparation	Lumpsum	5.2	2,50,000	1	2,50,000	
c.	Peer review Charges	Fixed		30,000	1	30,000	
G	**Total Estimated Cost without GST**					**1,11,07,010**	
H	**Provision for GST (18% of G)**			**18%**		**19,99,262**	**GST will be reimbursed as per actual and as per notified prescribed rate**
I	**Total Estimated Cost with GST**					**1,31,06,272**	
	or Say Rs. in Lakhs					**131.06**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.						

Annexure 25

Estimated cost for Reconnaissance survey (G-4) for REE and Associated Minerals in Mawriyap-Sarucha Area, West Karbi Anglong District, Assam
Total area- 107.86 sq. km.; Total Borehole: 5 Nos.; Scout Drilling meterage: 500m, Timeline: 10 Months; Review after 4 & 8 months
Agency: MECL
Proposal ID: ME/DD/G4/AS/MECL/26-27/020

Sl. No.	Item of Work	Unit	Rates as per NMET SoC 2025-26			Estimated Cost of the Proposal		Remarks
			SoC- Item-S. No.	Rates as per SoC	Rates as per SoC in NER X 1.5	Qty.	Total Amount (Rs)	
A	**GEOLOGICAL MAPPING**							
i	Large Scale Mapping (1:12,500)	per sq. km	1.1	18,300	27,450	107.86	29,60,757	Geological mapping
B	**OTHER GEOLOGICAL WORK/ ACTIVITIES**							
i	Charges for one Geologist- Field	per day	1.2.1a (b)	14,500	21,750	60	13,05,000	
ii	Charges for one Geologist - HQ	per day	1.2.1a (a)	10,500		45	4,72,500	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	120	1,00,080	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Sampling -1 Samplers (Labour charge not included)	per day	1.2.1b	7,850	11,775	46	5,41,650	

v	4 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	184	1,53,456	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub-Total A						**55,33,443**	
B	**PITTING & TRENCHING**							
	Orientation Pitting	per cu. m.	2.1.2	4,725	7,088	20	1,41,750	
	Sub-Total B						**1,41,750**	
C	**EXPLORATORY DRILLING (OUTSOURCE)**							
i	Core Drilling in hard rock	per m	2.2.1.1d	10,000	15,000	500	75,00,000	Drilling quantum is tentative and will be decided after Geological mapping and sampling results during review. Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Technical Supervision cost	One time	6	10% of the sum of all the outsourced work components with a maximum ceiling of 20 lakh.			7,50,000	
iii	Tendering Processing cost	One time	5.9	2% of the approved project cost or Rs. 5 Lakhs which is lower			1,50,000	

v	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	3,000	5	15,000	
vi	Borehole Plugging	Lumpsum per borehole	2.2.8	10,000	15,000	5	75,000	
vii	Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	per point of observation	1.3.2	24,000	36,000	5	1,80,000	
viii	Core preservation	Per m	5.3	1,590	1,590	125	1,98,750	
	Sub Total- C						**₹ 88,68,750.00**	
D	**LABORATORY STUDIES**							
1	**Heavy Mineral Separation**							
i	Separation of heavy minerals from stream sediment samples of - 2mm size through gravity and magnetic separation	Per sample	4.3.6b	13,820		50	6,91,000	Stream sediments samples
ii	Heavy mineral separation by liquid	Per sample	4.3.6a	2,890		50	1,44,500	
2	**Chemical Analysis**							
i	Analysis of 14 REE & 9 tace element by ICP-MS sequential technique	per sample	4.1.15	7,400		300	22,20,000	50 Bedrock+50 Stream Bulk+80 Heavy fraction of Streams +20 Bulk Pit Sample+ 100 BH Core Sample (based on positive results quantum may change)

	Additional 2 trace element by ICP-MS sequential technique	per sample	4.1.15a	421		300	2,52,600	
ii	External (10%) Check samples from NABL Lab of 14 REE & 9 tace element by ICP-MS sequential technique	per sample	4.1.15	7,400		30	2,22,000	
iii	Major Oxides (WD XRF) (oxides + traces-24 elements)	per sample	4.1.17a	4,200		20	84,000	
	Major Oxides (WD XRF) (oxides + traces-24 elements) check sample(10%)	per sample	4.1.17a	4,200		2	8,400	
2	**Physical & Petrological Stusies**							
ii	XRD analysis for identification of mineral phase	per sample	4.5.2	4,000		20	80,000	
iii	Preparation of thin section for Petrography	per sample	4.3.2	800		20	16,000	
iv	Complete petrographic study report	per sample	4.3.4	2,800		20	56,000	
v	Preparation of polished thin section for EPMA	per sample	4.3.2	800		5	4,000	
vii	EPMA studies	Hrs	4.4.1	10,500		5	52,500	
	Sub-Total D						**38,31,000.00**	
						Total (A TO D)	**1,83,74,943.00**	

E	**Geological Report Preparation**	**Nos**	**5.2iii**			**1**	**7,50,000**	
F	**Preparation of Exploration Proposal**	**Nos**	**5.1**			**1**	**3,67,498.86**	
G	**Report Peer Review Charges**	**lumpsum**	**As per EC decision**	**30000**		**1**	**30,000**	
H	**Total Estimated Cost without GST**						**1,95,22,442.00**	
I	**Provision for GST (18%)**						**35,14,040**	GST will be reimbursed as per actual and as per notified prescribed rate
J	**Total Estimated Cost with GST**						**2,30,36,482**	
						Say, in Lakhs	**230.36**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.							

Annexure 26

Estimated cost for Preliminary exploration (G-3) for REE and Associated Minerals in Mawthong Shngimawlein Block, District- South West Khasi Hills, Meghalaya,
Total area- 8.56 sq. km.; Total Borehole (Auger): 20 Nos. (Average depth per borehole: 5m); Total drilling meterage (Auger Drilling): 100 m; Total Borehole (Core Drilling): 10 Nos. (Average depth per borehole: 100m); Total drilling meterage (Core Dilling): 1000m; Timeline: 12 Months; Review after 5 & 9 months
Agency: MECL
Proposal ID: ME/DD/G3/ML/MECL/26-27/023

Sl. No.	Item of Work	Unit	Rates asper NMEDT SoC 2025			Estimated Cost of the Proposal		Remarks
			SoC-Item- S. No.	Rates as per SoC	Rates as per SoC in NER X 1.5	Qty.	Total Amount (Rs)	
A	**GEOLOGICAL MAPPING**							
i	Detail Mapping (1:4000)	per sq km	1.1	28,600	-	8.56	2,44,816	
B	**OTHER GEOLOGICAL WORK/ ACTIVITIES**							
i	Charges for one Geologist-Field	per day	1.2.1a (b)	14,500	21,750	120	26,10,000	
ii	Charges for one Geologist - HQ	per day	1.2.1a (a)	10,500		60	6,30,000	
iii	2 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	240	2,00,160	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Sampling -1 Samplers (Labour charge not included)	per day	1.2.1b	7,850	11,775	47	5,53,425	
v	4 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	188	1,56,792	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher

	Sub-Total A						**43,95,193**	
B	**SURVEY WORK**							
i	One qualified surveyor with Total Station for carrying out topographical survey	per day	1.3.1	10,500	15,750	45	7,08,750	
ii	4 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	834	180	1,50,120	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
ii	Demarcation of lease boundary, Fixation of borehole and determination of co-ordinates & Reduced Level (RL) of the boreholes by DGPS	Per Point of Observation	1.3.2	24,000	36,000	14	5,04,000	10 Coring BH and 4 Boundary points
	Sub-Total B						**13,62,870**	
C.1	**EXPLORATORY DRILLING - AUGER (OUTSOURCE)**							
	Auger Drilling Soft Strata	m	2.2.2	4,760	7,140	100	7,14,000	Mechanized Auger Drilling for soft strata up to 30 m depth
	Technical Supervision cost	One time	6	10% of the sum of all the outsourced work components with a maximum ceiling of 20 lakh.			71,400	
	Tendering Processing cost	One time	5.9	2% of the approved project cost or Rs. 5 Lakhs which is lower			14,280	
	Sub-Total C.1						**7,99,680**	

C.2	**EXPLORATORY DRILLING - CORE (OUTSOURCE)**							
i	Core Drilling in hard rock	per m	2.2.1.1d	10,000	15,000	1,000	1,50,00,000	Borehole depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
ii	Technical Supervision cost	One time	6	10% of the sum of all the outsourced work components with a maximum ceiling of 20 lakh.			15,00,000	
iii	Tendering Processing cost	One time	5.9	2% of the approved project cost or Rs. 5 Lakhs which is lower			3,00,000	
v	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	3,000	10	30,000	
vi	Borehole Plugging	Lumpsum per borehole	2.2.8	10,000	15,000	10	1,50,000	
vii	Core preservation	Per m	5.3	1,590	1,590	250	3,97,500	
viii	Land crop compensation	per borehole	5.6	30,000	30,000	10	3,00,000	
						Sub Total- C.2	**₹1,76,77,500.00**	
D	**LABORATORY STUDIES**							
1	**Heavy Mineral Separation**							
i	Separation of heavy minerals auger samples of - 2mm size through gravity and magnetic separation	Per sample	4.3.6b	13,820		50	6,91,000	subject to positive results may increase
ii	Heavy mineral separation by liquid	Per sample	4.3.6a	2,890		50	1,44,500	
2	**Chemical Analysis**							

i	Analysis of 14 REE & 9 tace element by ICP-MS sequential technique	per sample	4.1.15	7,400		300	22,20,000	50 groove samples Bedrock+150 Heavy fraction of Auger BH samples, 100 BH Core Sample
	Additional 2 tace element by ICP-MS sequential technique (Sc & Y)	Per sample	4.1.15a	421		300	2,52,600	For two extra elements
ii	External (10%) Check samples from 14 REE & 9 tace element by ICP-MS sequential technique	per sample	4.1.15	7,400		30	2,22,000	
iii	Major Oxides (WD XRF) (oxides + traces-24 elements)	per sample	4.1.17a	4,200		25	1,05,000	
iv	Major Oxides (WD XRF) (oxides + traces-24 elements) (10 % check samples)	per sample	4.1.17a	4,200		3	12,600	
2	**Physical & Petrological Stusies**							
ii	XRD analysis for identification of mineral phase	per sample	4.5.2	4,000		20	80,000	
iii	Preparation of thin section for Petrography	per sample	4.3.1	500		20	10,000	
iv	Complete petrographic study report	per sample	4.3.4	2,800		30	84,000	
v	Preparation of Thin polished section	per sample	4.3.2	800		10	8,000	
vii	EPMA studies	Hrs	4.4.1	10,500		10	1,05,000	
	Sub-Total D						**39,34,700**	
	Total (A TO D)						**2,81,69,943**	
E	**Geological Report Preparation**	**Nos**	**5.2iii**			**1**	**7,50,000**	
F	**Preparation of Exploration Proposal**	**Nos**	**5.1**			**1**	**5,00,000**	2% or Rs. 500000 whichever is less

G	**Report Peer Review Charges**	**lumpsum**	**As per EC decision**	**30000**		**1**	**30,000**	
H	**Total Estimated Cost without GST**						**2,94,49,943**	
I	**Provision for GST (18%)**						**53,00,990**	GST will be reimbursed as per actual and as per notified prescribed rate
J	**Total Estimated Cost with GST**						**3,47,50,933**	
						Say, in Lakhs	**347.51**	
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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.							

ANNEXURE 27

Estimated Cost for Preliminary Exploration (G3) for Vanadium, Aluminous Laterite & Associated Minerals in Banhara block, Katni District, Madhya Pradesh
Total area: 4.42 sq. km.; Total Borehole: 20 Nos.; Total drilling meterage: 400m; Timeline: 12 months; Review after 4 and 8 months
Agency: BMRC Geomining Solutions Pvt Ltd
Proposal ID: ME/DD/G3/MP/26-27/247

			Rates as per NMEDT SoC 2025-26		**Estimated Cost of the Proposal**		
S. No.	**Item of Work ***	**Unit ***	**SoC-Item No.***	**Rates as per SoC ***	**Qty.**	**Total Amount (Rs)**	**Remarks**
			PHASE-I				
A	**Geological Mapping and Other Geological Work**						
i)	**Geological mapping, (1:4000 scale)**	per Sq. Km	1.1	₹ 18,300.00	4.42	80886.00	
	a. Charges for Geologist per day (Field) for geological mapping with Sampling	day	1.2.1a(b)	14500.00	120	1740000.00	
	b. Labours Charges	day	5.8	556.00	240	133440.00	
	c. Charges for Geologist per day (HQ)	day	1.2.1a(a)	10500.00	30	315000.00	
	Sub Total- A					**2269326.00**	
C	**Trenching/Pitting**						
	a. Excavation of Pit upto 2.0m depth	per cu.m	2.1.2	4725.00	80	378000.00	
	Sub Total- C					**378000.00**	
D	**Survey Work**						

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	Charges for one Surveyor per day	1.3.1	10500	45	472500.00	
ii	Labour Charges	Days	5.8	556	180	100080.00	
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	24000	31	744000.00	20 Borehole + 11 Cardinal points
	Sub Total- D					**1316580.00**	
E	**LABORATORY STUDIES**						
	Chemical Analysis (surface samples)						
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per sample	4.1.17a	4200.00	55	231000.00	(50+5) including check samples
2	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	7400.00	22	162800.00	(20+2) including check samples
	Sub-Total-E					**393800.00**	
PHASE-II							
F	**Drilling (In house)**						

	Drilling in / Drilling in Soft rock/ Strata: HQ size borehole upto 400m Depth and NQ Size beyond 400m depth In case NQ size drilling is done before 400m depth, the rate shall decrease by 20%	Per m	2.2.1.1c	5500	400	2200000	Average borehole depth: 20 m. Initial BHs at 800 m grid (10 bhs). 10 BHs subsequently at 400 m grid after the review of initial 10 boreholes. Boreholes depth to be justified by presence of mineralization. Unnecessary drilling to be avoided.
	Construction of concrete Pillar (12"x12"x30")	Per borehole	2.2.7	2000	20	40000	
	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road	Lumpsum	2.2.9	For Drilling cost less than 50 lakhs: 25% of the Drilling Cost		550000	
	Land Crop compensation	Per borehole	5.6	30000	20	600000	
	Drill Core Preservation	Per m	5.3	1590	100	159000	
	Borehole plugging by cement	Per borehole	2.2.8	10000	20	200000	
	Sub-Total- F					**3749000**	
H	**LABORATORY STUDIES (Core Sample)**						
1	Major oxide (WD XRF) - (oxides+Traces - 24 elements)	Per sample	4.1.17a	4200.00	220	924000.00	(200 +20) including check samples
2	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	7400.00	22	162800.00	(20 +2) including check samples
	Sub-Total-H					**1086800.00**	

I	**Physical & Petrological Studies**						
i	Preparation of standard thin section of rock	Nos.	4.3.1	500.00	10	5000.00	
ii	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Nos.	4.3.4	2800.00	10	28000.00	
iii	Bulk Density	Per Sample	4.8.3	2500	5	12500.00	
	Sub-total-I					**45500.00**	
J	**Mineral Physics Study**						
	XRD	Per sample	4.5.2	4000.00	20	80000.00	
	Subtotal -J					**80000.00**	
K	Sampler Charges	Days	1.2.1b	7850	36	282600.00	
	Labour	Days	5.8	556	144	80064.00	
	Subtotal-K					**362664.00**	
L	**Total A to K**					**9681670.00**	
M	**Preparation of Exploration Proposal**	Soft Copy	5.1			**193633.40**	
N	**Geological Report Preparation**	Soft Copy	5.2			**250000.00**	
	Peer Review					30000	
	Total Estimated Cost without GST					**10155303.40**	
	Provision for GST (18%)					**1827954.61**	
	Total Estimated Cost with GST					**1,19,83,258.01**	
	Total Estimated Cost with GST IN Lakhs					**119.83**	

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 Item no. 6 of NMEDT SoC. In case of execution of the project by NEA 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.						