

Government of India
Ministry of Mines
National Mineral Exploration and Development Trust

F. No.: 117/1/2025-NMET/452

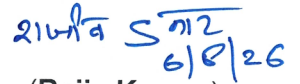
dated:06.08.2026

Subject: Circulation of minutes of 11th meeting of Project Sanctioning Committee of National Mineral Exploration and Development Trust (NMEDT)-reg

Please find enclosed herewith the minutes of the 11th meeting of Project Sanctioning Committee of NMEDT held on 31st July 2026 for your kind perusal.

Encl: As above

Yours faithfully,



(Rajiv Kumar)

Joint Director (Admin. & Legal)

To all attendees of PSC Meeting,

1. Shri. B. K. Thakur, Director (Tech.), Ministry of Coal, GPOA3, Zone-5, 4 th Floor, Netaji Nagar, New Delhi .
2. Shri N. K. Panda, Regional Director, Southern Region, Atomic Mineral Exploration and Research Directorate, Nagarbhavi, Bangaluru.
3. Shri Abhay Agrawal, Controller of Mines, Indian Bureau of Mines, Nagpur.
4. Shri Alok Kumar, Dy. Secretary, IFD, Ministry of Mines, GPOA3, Zone-5, 4 th Floor, Netaji Nagar, New Delhi.
5. Shri Ravi Dutt, Cost Accounts Officer, NMEDT, Udyog Bhawan, New Delhi.
6. Shri Gopal Ram, Additional Director Geology (HQ), DMG, Rajasthan.
7. Shri Vivek Nema, Dy. Director, Mineral Resource Department, Govt. of Madhya Pradesh.
8. Shri S. P. Kaddu, Dy. Director, DGM Maharashtra, Govt. of Maharashtra.
9. Smt. Deepa, Joint Director, (Geology and Mining), Govt. of Tamil Nadu.
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. Shri Hanuma Prasad Modali, Deccan Gold Mines Limited, No 77, 16th Cross, Sector IV, HSR Layout, Bangalore 560102
14. Prof. T. K. Biswal, B-4, 101, IIT Bhubaneswar Campus, Argul, Jatni, Khordha, Bhubaneswar, Odisha, 752050

Copy to:

1. The Principal Secretary (Industry and Mines), Government of Gujarat.
2. The Secretary, Mineral Resource Department, Government of Chhattisgarh.
3. The Secretary, (Mines), Government of Jharkhand.
4. The Secretary, (Industries and Commerce), Government of Karnataka.
5. The Addl. Chief Secretary (Industries and Mines), Government of Maharashtra.
6. The Secretary, Mineral Resource Department, Government of Madhya Pradesh.
7. The Principal Secretary (Steel and Mines), Government of Odisha.
8. The Principal Secretary (Mines), Government of Rajasthan.
9. The Principal Secretary (Industries and Mines), Government of Telangana.
10. The Principal Secretary (Industries), Government of Tamil Nadu.
11. The Principal Secretary (Mines), Government of Uttarakhand.
12. The Principal Director, Department of Mines, Minerals & Geology, Government of Sikkim, Secretariat Road, Below Tashiling Secretariat, Gangtok, Sikkim.
13. The Director, DMG Telangana 2nd Floor, B.R.K.R. Bhavan, Government Offices Complex, Tank Bund Road, Saifabad, Hyderabad.
14. The Madhya Pradesh State Mining Corporation Ltd. Block 'A', 2nd Floor, Paryawas Bhawan Jail Road, Arera Hills, Bhopal.
15. The Director, DMG Odisha, Heads of Department Building, Unit-V, Bhubaneswar, Odisha.
16. The Director, DMG Karnataka, 49, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka.
17. The Director, CGM Gujarat, Old Sachivalaya, Block No. 15, DR. JIVRAJ MEHTA BHAVAN, Sector 10B, Sector 11, Gandhinagar, Gujarat.

18. The Director, Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Opposite Wadi Police Station, Amravati Road, Wadi, Nagpur, Maharashtra.
19. The Director, Mineral Resources Department, Government of Madhya Pradesh 29-A, Khanij Bhavan Arera Hills, Bhopal, Madhya Pradesh.
20. Shri. Pradeep Singh, ADG, PSS and Chairman, TCC-2 (Invitee), GSI, CHQ, 27 JLN Road, Kolkata, West Bengal.
21. General Manager (Exploration), CMPDI, Gondwana Place, Kanke Road, Ranchi, Jharkhand.
22. The General Manager (Exploration), Mineral Exploration and Consultancy Limited (MECL), Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur, Maharashtra.
23. The Chairman-cum-Managing Director, KIOCL, Block II, Koramangala, Sarjapura Road, Bengaluru, Karnataka.
24. The Dy. Director General, PSS, GSI, CHQ, 27 J.L.N. Road, Kolkata, West Bengal.
25. Dr. S Ravi, Dy. Director General and Chairman, TCC-1 (Invitee), GSI Training Institute, Hyderabad, Telangana.
26. Shri S. Dhanendran, Director/Member Secretary, TCC-1 (Invitee), GSI Training Institute, Hyderabad, Telangana.
27. Shri Sanjay Singh, Director/Member Secretary, TCC-2 (Invitee), GSI, Western Region, Jaipur.
28. Odisha Mining Corporation, OMC House, Bhubaneswar, Odisha.
29. MMPL Pvt. Ltd., 21, CLM Lane, Raniganj, Dist: Burdwan, West Bengal.
30. Critical Mineral Trackers, E3, 3rd Floor, Technology Research Park, Indian Institute of Technology, IITH Road, near National Highway 65, Hyderabad, Kandi, Telangana.
31. PRB Infra Pvt. Ltd., S-3, 2nd Floor, Ratan Height, Medical Square, Nagpur, Maharashtra.
32. Enkay Enviro Services Pvt. Ltd, 92, Heera Nagar-A, Near Shalimar Bagh, Ajmer Road, Jaipur, Rajasthan.
33. GMMCO Technology Services Ltd., No. 9/1, R.N. Mukherjee Road, Kolkata, West Bengal.

34. Mining Tech Consultancy Services, Commerce House 6, Corporate Rd, off Sarkhej - Gandhinagar Highway, next to S & P Global House, Prahlad Nagar, Ahmedabad, Gujarat.
35. Geo Marine Solutions Pvt. Ltd., 11, 7th Cross St, Kannappa Nagar Extension, Kannappa Nagar, Thiruvannamipur, Chennai, Tamil Nadu.
36. GeoExpOre Pvt. Ltd., 45, 2nd A Main Rd, Basaveshawara HBCS Layout 2nd Stage, Chandra Layout, Bengaluru, Karnataka.
37. JEMCL, JSFC Building, 4th Floor, Near Kadru Petrol Pump, Kadru Main Road, Ranchi, Jharkhand.
38. Vardaan Environet LLP, Plot No. 82A, Sector - 5, HSIIDC IMT Manesar, Gurugram, Haryana.
39. Eartnenviro Lab. Pvt. Ltd., Shop no. 36, Chandraloka Market Complex Niladri Vihar, BDA PG II, Sailashree Vihar, Khorda Orissa.
40. United Exploration India Pvt. Ltd., Unit 402, CF Block (Newtown), Action Area 1C, Newtown, Kolkata, West Bengal.
41. FCI Aravali, Gypsum and Minerals Ltd, B Rd, Bhadwasiya, Paota, Jodhpur, Rajasthan.
42. GEMCOKATI Exploration Private Limited, Plot No. 34, Postal Colony, Bapat Nagar, Nagpur Road, Chandrapur, Maharashtra.
43. BMRC Geomining Solutions Pvt. Ltd. C-20 Sec- C1 LDA colony Kanpur Road Lucknow, Uttar Pradesh.

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 11th Project Sanctioning Committee (PSC) meeting, NMEDT
held on 31.07.2026 at 11:00 AM

The 11th meeting of Project Sanctioning Committee (PSC) was held under Chairmanship of Shri Pankaj Garg, Director General, NMEDT on 31.07.2026 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 9th Joint TCC meeting, 100th and 101st meetings of TCC-1 and 32nd and 33rd meetings of TCC-2 were placed before the Committee for consideration and decision.

Joint Technical-cum-Cost Committee

Agenda 11.1: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committee-1 (TCC-1)

PSC was informed that Joint TCC at its 9th meeting has recommended following 01 mineral exploration project proposal with an estimated cost of Rs. 1,45,54,424 (~145.54 lakhs) for approval of PSC.

Table-1: Details of project recommended by Joint TCC								<i>Amount in Rs.</i>
Sl. No.	Project/Block Name	Area (in km²)	Agency	Commodity	Stage	Duration (months)	Cost	Comments of PSC
1	Regional Survey for Evaluation of Placer Mineral (Xenotime) in Sabarkantha Block, Gujarat [9th Joint TCC]	675	Geo Marine Solutions Pvt. Ltd.	Xenotime (REE)	Regional Survey	11	1,45,54,424 1,38,69,099	Approved with amendments as in Annexure-2
						Total	1,38,69,099	

Discussion: The Project Sanctioning Committee (PSC) observed that the distribution of Headquarters days and field days in the project proposal was not proportionate. The Committee further noted that the proposed sampler days included time for processing duplicate samples.

Dr. S. Ravi, Deputy Director General and Chairman, TCC-1, clarified that the allocation of field days had been determined considering the project area (675 sq. km) and the number of

samples proposed for collection. With regard to the Headquarters days, he explained that the project involves heavy mineral separation during sample processing, which is a time-intensive activity, and therefore 90 Headquarters days had been proposed.

Shri N. K. Panda, Regional Director, Southern Region, AMD, further explained that in placer deposit investigations, identification and quantification of individual heavy minerals require considerable laboratory effort, necessitating a higher number of Headquarters days.

Dr. P. Krishnamurthy, Technical Expert, suggested that, during the initial stage of exploration, composite samples may be collected at wider grid intervals and analysed for the presence of xenotime through XRD studies. Detailed petrographic studies may be undertaken subsequently after confirming the occurrence of xenotime. He further suggested that, based on the initial results, samples may be collected at closer intervals using a finer grid spacing in the identified target areas. He also suggested that 10 (ten) representative samples may be analysed through XRD to confirm the presence of xenotime before undertaking detailed investigations.

Shri B. P. Raturi, Technical Expert, suggested reducing the field days from 150 to 120 days.

Decision of PSC: PSC approved the project with an estimated cost of Rs. 1,38,69,099, mentioned in Table-1.

The PSC further directed that, henceforth, while calculating sampler days and related costs in exploration projects, the time required for processing duplicate samples or similar samples shall not be included.

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

Agenda 11.2: Financial approval of project proposals under S&T PRISM Program of Ministry of Mines (MoM)

PSC was apprised that Ministry of Mines has issued guidelines for “Promotion of Research and Innovation in Startups and MSMEs in Mining, Mineral Processing, Metallurgy and Recycling Sector (S&T PRISM)” for promoting research and innovation by Start-ups and MSMEs. The objective of S&T-PRISM is to promote the ecosystem for research, design, development, proof of concept testing, IPR creation, pilot project and manufacturing i.e., complete value chain in mining, mineral processing, metallurgy and recycling sector by bridging the gap between R&D and commercialization. Consequently, it was decided by the Ministry that NMEDT will fund projects under the S&T PRISM Program through JNARDDC.

Accordingly, TCC-1 at its 100th meeting has recommended following 08 projects of various startups and MSMEs under S&T PRISM Program of Ministry of Mines, for approval of PSC.

Table-2: Details of S&T PRISM projects recommended by TCC-1					
					<i>Amount in Rs.</i>
Sl. No.	Proposal Title	Start-up/MSME	Duration (in months)	Project Cost (in INR)	Comments of PSC
1	Indigenous Pilot-Scale Production of High-Purity Zirconium Oxide from Zircon Sand for Critical Material Security and Strategic Applications	Regenius Technologies Pvt. Ltd., Bhubaneswar, Odisha (Startup)	21	1,37,25,000	Approved
2	Establishment of Pilot Plant for Production of NdFeB Alloy powder and Rare Earth Compressed Bonded Magnet from it for Electric Vehicle and Renewable Energy Application	Ashvini Magnets Pvt. Ltd., Pune Maharashtra (Startup)	24	1,80,00,000	Approved
3	Strategic extraction of critical materials and precious elements from end-of-life printed circuit boards via novel solvothermal and deep eutectic solvent routes	Sustaineo Recycling Technologies Pvt. Ltd., Chennai, Tamil Nadu (Startup)	24	64,50,000	Approved
4	Zero-Waste Recovery of High-Purity Nickel from Pharmaceutical Spent Catalyst Sludge	2VY Engineering, Ambala, Haryana (Startup)	24	1,60,00,000	Approved
5	Innovative Zero-Waste Technology for Battery-Grade Nickel Sulphate Production from Petrochemical sludge	Yashoda Metals & Alloys (Opc) Pvt. Ltd., Nagpur, Maharashtra (MSME)	24	1,90,00,000	Approved
6	Development of Bio Hydrometallurgical Process for Scalable Recovery of Titanium and Associated Critical Minerals from Coal Mine Overburden	MaxelS Tekventures Pvt. Ltd., Nagpur, Maharashtra (Startup)	24	75,00,000	Approved
7	Sustainable Recycling of Titanium Machining Scrap for High Performance Applications in Corrosive Environments	P&A Technology Pvt. Ltd., Cuttack, Odisha (MSME)	18	1,51,25,000	Approved
8	Scale-up and Engineering Optimization of Lithium-First Selective Recovery Process from Lab-Scale Batch to Semi Continuous Pilot System for Li-ion Battery Black Mass	Remine India Pvt. Ltd., Uttarakhand (Startup)	12	1,75,00,000	Approved
			Total	11,33,00,000	

Decision of PSC: PSC approved 08 projects of JNARDDC, as per table-2, under S&T PRISM program of Ministry of Mines, amounting to Rs. 11,33,00,000.00 for funding through NMEDT.

Agenda 11.3: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committee-1 (TCC-1)

TCC-1 has recommended following 06 mineral exploration projects proposal with an estimated cost of Rs. 9,46,25,871.45 (946.25 lakhs) for approval of PSC.

Table-3: Details of exploration projects recommended by TCC-1

Sl. No.	Project/Block Name	Area (in km ²)	Agency	Commodity	Stage	Duration (months)	Amount in Rs.	
							Cost	Comments of PSC
1	Preliminary Exploration (G-3) for Graphite and associated minerals in Barwaiya-Irgu Block, Districts: Palamu & Latehar Districts, Jharkhand [100th TCC-1] [ME/DD/G3/JH/26-27/117]	2.70	APC Drilling & Constructions Ltd.	Graphite and associated minerals	G3	12	1,99,10,652 1,63,94,529	Approved with amendments as in Annexure-3.
2	Preliminary Exploration (G3) for Graphite and associated Critical Minerals in Kandegaon Block, District: Kalahandi, Odisha [100th TCC-1] [ME/DD/G3/OD/26-27/078]	12.24	MMPL Private Limited	Graphite and associated Critical	G3	12	1,68,61,328.45 1,68,00,703.12	Approved with amendments as in Annexure-4.
3	Reconnaissance Survey (G-4) for REE and associated critical minerals in Patharkata Area, District: Nayagarh, Odisha [101st TCC-1] [ME/DD/G4/OD/26-27/004]	105.36	MECL	REE and associated critical minerals	G4	10	1,48,82,186 1,48,57,936	Approved with amendments as in Annexure-5.
4	Preliminary Exploration (G3) for Graphite and associated critical minerals in Nawadih Block, District: Balrampur-Ramanujganj, Chhattisgarh [101st TCC-1] [ME/DD/G3/CT/26-27/092]	9.98	United Exploration India Pvt. Ltd.	Graphite and associated critical minerals	G3	12	2,43,49,457 2,14,54,819	Approved with amendments as in Annexure-6.

5	Preliminary Exploration (G3) for Limestone in Honnal Block, District: Kalaburagi, Karnataka [101st TCC-1] [ME/IND/G3/KA/P/26-27/015]	6.6	Geo Exploration and Mining Solution	Limestone	G3	10	1,03,20,894 1,02,72,393	Approved with amendments as in Annexure-7
6	Reconnaissance Survey (G4 stage) for Aluminous Laterite and Bauxite with associated Vanadium, Titanium and other critical minerals in Mandwa Block (50 sq.km), Chandrapur District, Maharashtra [101st TCC-1] [ME/DD/G4/MH/26-27/115]	50	Gemcokati Exploration Pvt. Ltd.	Aluminous Laterite and Bauxite with associated Vanadium, Titanium and other critical minerals	G4	10	83,01,354 82,40,728	Approved with amendments as in Annexure-8
Total							8,80,21,108.12	

Decision of PSC: PSC approved 06 exploration projects, as mentioned against the respective NPEAs/NEAs in table-3, with a total cost of Rs. 8,80,21,108.12.

Agenda 11.4: Approval of exploration projects of GSI recommended by TCC-1

The PSC was informed that 04 projects of GSI have been recommended by TCC-1 at its 101st meeting for funding of outsourced components of the projects, such as drilling, surveys, and other similar activities with an estimated cost of Rs. 15,71,07,536 (~1571.07 lakhs). PSC was also apprised that these projects have already been approved in the CGPB meeting.

Table-4: Details of exploration projects of GSI recommended by TCC-1							<i>Amount in Rs.</i>
Sl. No.	Project/Block Name	Region	Commodity	Stage	Date of completion	Cost	Comments of PSC
1	Preliminary (G-3) Exploration for REE and associated mineralisation in the Indrana West Block, Balotra District, Rajasthan [101st TCC-1]	WR	REE and associated minerals	G3	31.03.27	3,41,51,536.4 (~341.52 lakhs)	Approved
2	Preliminary (G-3) Exploration for REE and associated mineralization in the Khera Khindawara Block, Balotra District, Rajasthan [101st TCC-1] [ME/DD/G3/RJ/26-27/155]	WR	REE and associated minerals	G3	31.03.27	5,07,40,000 (~507.40 lakhs)	Approved
3	Preliminary exploration for potash in Makkasar west block, Satipura sub-basin, Nagaur-Ganganagar Evaporate Basin, Hanumangarh District, Rajasthan, (G3) [101st TCC-1] [ME/DD/G3/RJ/26-27/150]	WR	Potash	G3	31.03.27	4,15,36,000 (~415.36 lakhs)	Approved
4	Preliminary Investigation for Potash in Jakharanwali South Block, Bharusari Sub-Basin, Nagaur-Ganganagar Evaporite Basin, Hanumangarh District, Rajasthan (G3) [101st TCC-1] [ME/DD/G3/RJ/26-27/149]	WR	Potash	G3	31.03.27	3,06,80,000 (~306.80 lakhs)	Approved
Total						15,71,07,536.4 (~1571.07 lakhs)	

Decision of PSC: PSC approved 08 exploration projects of GSI, as mentioned in table-4, with a total cost of Rs. 15,71,07,536.4.

Agenda 11.5: Approval of cost revision of Multi-Sensor Aero-geophysical Survey over Block-5

PSC was apprised that NMEDT has funded the Multi-Sensor Aero-geophysical Survey over 21 blocks under the National Aero-geophysical Mapping Programme (NAGMP) of GSI. Out of 21 blocks, Block-5 has the largest area of 91,219 km² with 3,34,470 line km for acquisition of aero-geophysical data.

PSC was further apprised that within Block-5 few areas were designated as Restricted/No-Fly Zones by the Ministry of Defence and were, therefore, excluded from the survey. Later, these areas were opened for aero-geophysical surveys in accordance with the DST Guidelines, 2021 and an additional survey covering 6,867 line km over an area of 1,873 km² was carried out. The acquisition of data over these additional areas has eliminated data gaps and enhanced the continuity and interpretation of geophysical anomalies.

A Memorandum of Agreement (MoA) was executed on 30.06.2023 between GSI and the consortium comprising M/s Sander Geophysics Limited and M/s Pan India Consultants Pvt. Ltd. for execution of the survey in Block-5. As per Clause 26.2 of the MoA, variations in the contracted line kilometers are permissible, with the final cost to be adjusted at Milestone-5. The MoA also provides for execution of an addendum to accommodate such variations.

In view of the additional survey undertaken, GSI has requested revision of the project cost from US\$68,35,603.12 to US\$69,74,975.75 (inclusive of 18% GST), involving an additional financial implication of US\$ 1,39,372.63.

Discussion: PSC enquired that, since the MoA was executed on 30.06.2023 and the restricted/No-Fly Zones had already been opened in 2021, why had GSI not obtained the necessary permission beforehand.

RSAS informed that the financial sanction for carrying out the survey had been obtained prior to the execution of the MoA. Further, it was not feasible to ascertain the exact survey area before commencement of the survey. Accordingly, a provision for carrying out additional line kilometres, if required, was incorporated in the MoA.

Dr. Pankaj Satija further enquired whether the project involved any technology transfer. RSAS clarified that only resources such as aircraft were outsourced from foreign countries for data acquisition, whereas data processing, analysis, and quality assurance were carried out under the supervision of GSI.

Decision of PSC: PSC approved the cost revision of NAGMP Block-5 from US\$68,35,603.12 to US\$69,74,975.75 (inclusive of 18% GST).

Agenda 11.6: Approval of cost revision of ongoing exploration projects recommended by TCC-1

TCC-1 has recommended cost revision with timeline extension of following 04 projects for approval of PSC.

Table-5: 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.)	Remarks	Comments of PSC
1	General Exploration (G-2) for Graphite and Associated Minerals in Nagapuzha -Vadakhol block, District- Ernakulam, Kerala [100th TCC-1]	MECL	3,93,08,208	4,02,40,784	9,32,576	Cost revised due to change in drilling from in-house to outsourced.	Not Approved
2	Preliminary Exploration (G-3) for Limestone and Manganese in Hatighat block, District- Adilabad, Telangana [100th TCC-1]	MECL	2,09,32,946.06	2,25,34,817.30	16,01,871.24	Cost revised due to change in drilling from out-sourced to in-house.	Not Approved
3	Preliminary Exploration (G-3) for Limestone and Manganese in Tamsi block, District- Adilabad, Telangana [100th TCC-1]	MECL	1,25,20,959.09	1,36,39,765.47	11,18,806.38	Cost revised due to change in drilling from out-sourced to in-house.	Not Approved
4	Reconnaissance Survey (G4) for Bauxite in Kalychochra block, Rayagada District, Odisha [101st TCC-1]	DMG Odisha	99,55,620.00	31,51,955	(-) 68,03,665	Cost revised as the block has been downgraded from G3 to G4 stage exploration due to local agitation	Approved

Decision of PSC: PSC did not approve the cost revision of projects at Sl. No. 1, 2 and 3 and approved cost revision of project at Sl. No. 4, as per table-5. PSC further instructed that such changes of component from outsourced to in-house or vice versa can be considered only under exceptional cases.

Agenda 11.7: Approval of cost rectification of approved exploration project

TCC-1 has recommended cost rectification of 01 exploration project that has been approved by PSC at its 10th meeting held on 29.06.2026.

Table-6: Details of projects recommended by TCC-1 for cost rectification								
Sl. No.	Block/Project	Agency	Approved on	Duration (in months)	Approved cost (Rs.)	Revised cost (Rs.)	Cost change (Rs.)	Comments of PSC
1	Preliminary Exploration (G3) for Graphite in Chadranga Block, District- Raygada, Odisha [100 th TCC-1]	Eartnenvi ro Lab. Pvt. Ltd.	10 th PSC held on 29.06.26	12	2,02,26,426	1,90,11,392	(-) 12,15,105	Approved

Decision of PSC: PSC approved the cost rectification of exploration project, as per table-6.

[This is for approval of PSC]

Agenda 11.8: Approval for force closure of ongoing exploration project

TCC-1 has recommended force closure of ongoing exploration project, for approval of PSC.

Table-7: Details of exploration project recommended by TCC-1 for force closure							
Sl. No.	Block/Project	Agency	Approved on	Duration (in months)	Approved cost (Rs.)	Remarks	Comments of PSC
1	Khandadhar Sub-block-A, District- Sundargarh, Odisha	OMC	11 th EC (SO issued on 12.02.19)	14	4,13,81,000	The project was delayed over 6 years and work could not be initiated due to forest clearance. However, the forest clearance has been obtained for a part of the area. Agency has been advised to submit a fresh proposal with reduced area. So far, no advance payment has been made to the agency.	Approved

Decision of PSC: PSC approved the force closure of exploration project, as per table-7.

Agenda 11.9: Approval of change of title and exploration stage of ongoing exploration projects along with timeline extension (if any)

TCC-1 has recommended change of title and exploration stage of 01 ongoing exploration project along with timeline extension (if any), for approval of PSC.

Table-8: Details of exploration projects recommended by TCC-1 for change of title								
Sl. No.	Block/Project	Agency	Approved on	Duration (in months)	Modified Title	Timeline Extension	Remark	Comments of PSC
1	Preliminary Exploration (G3) for Ni, Co, PGE and REE/ Associated Minerals in JC Pura Mafic-Ultramafic Schist Belt Near Rampura and Gollarahatti (R-G) Block, Hassan District, Karnataka	M/s GeoExpore Pvt. Ltd.	29 th EC (S.O issued on 17.04.23)	10	Reconnaissance Suvrey (G4) for Ni, Co, PGE and REE/ Associated Minerals in JC Pura Mafic-Ultramafic Schist Belt Near Rampura and Gollarahatti (R-G) Block, Hassan District, Karnataka	15.08.26 (Timeline extension required for submission of GR)	Due to local agitation substantial amount of work could not be carried out. Hence, the stage of exploration can be downgraded from G3 to G4.	Approved

PSC was apprised that cost revision of the project was approved in 3rd PSC meeting and pre-closure of the project was approved in 9th PSC meeting.

Decision of PSC: PSC approved the change of title and exploration stage of the project, as per table-8.

Agenda 11.10: Approval of timeline extension of ongoing exploration/ procurement projects, recommended by TCC-1

TCC-1 has recommended timeline extension of following 22 mineral exploration/procurement projects, for approval of PSC.

Table-9: Details of projects 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	Financial assistance from NMET funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the	DGM Madhya Pradesh	12.05.25	30.11.26	S.O issued on 13.04.23 Original approved Scheduled Date of Completion was 12.04.24	For completion of procurement	Approved

	exploration activities						
2	Financial assistance from NMET funds to procure machinery/ laboratory equipment/ instruments etc. aimed at enhancing the exploration activities	DGM Madhya Pradesh	12.05.25	31.03.27	S.O issued on 12.03.24 Original approved Scheduled Date of Completion was 11.03.25	For completion of procurement	Approved
3	Preliminary Exploration (G-3) for Limestone in Chhasra Block, Kachchh District, Gujarat	CGM Gujarat	31.07.26	31.08.26	S.O issued on 28.02.24 Original approved Scheduled Date of Completion was 27.8.24	For submission of modified GR	Approved
4	Preliminary Exploration (G-3) for Limestone in Vayor Block, Kachchh District, Gujarat	CGM Gujarat	31.07.26	31.08.26	S.O issued on 28.02.24 Original approved Scheduled Date of Completion was 27.8.24	For submission of modified GR	Approved
5	Preliminary Exploration (G-3) for Limestone in Jadva Block, Kachchh District, Gujarat.	CGM Gujarat	31.07.26	31.08.26	S.O issued on 28.02.24 Original approved Scheduled Date of Completion was 27.8.24	For submission of modified GR	Approved
6	Preliminary Exploration for Bauxite in Mothala Block, Kachchh District, Gujarat	CGM Gujarat	31.07.26	31.08.26	S.O issued on 22.10.24 Original approved Scheduled Date of Completion was 21.6.25	For submission of modified GR	Approved
7	Preliminary Exploration for Limestone in Lodhva Block, Gir Somnath District, Gujarat	CGM Gujarat	31.07.26	31.08.26	S.O issued on 22.10.24 Original approved Scheduled Date of Completion was 21.6.25	For submission of modified GR	Approved
8	Preliminary Exploration for	CGM Gujarat	31.07.26	31.08.26	S.O issued on 22.10.24	For submission	Approved

	Limestone in Matana Block, Gir Somnath District, Gujarat				Original approved Scheduled Date of Completion was 21.6.25	of modified GR	
9	Preliminary Exploration (G-3 Level) for Limestone in Simar Block, Gir Somanth District, Gujarat	CGM Gujarat	31.07.26	31.08.26	S.O issued on 22.10.24 Original approved Scheduled Date of Completion was 21.4.25	For submission of modified GR	Approved
10	Detailed Exploration (G-3 Level) for Limestone in Bolas Block, Gir Somanth District, Gujarat	CGM Gujarat	31.07.26	31.08.26	S.O issued on 22.10.24 Original approved Scheduled Date of Completion was 21.4.25	For submission of modified GR	Approved
11	Preliminary exploration (G3) for Bauxite in Barpat Block, Balrampur Ramanujganj District, Chhattisgarh	DGM Chhattisgarh	12.12.25	30.09.26	S.O issued on 13.12.24 Original approved Scheduled Date of Completion was 12.12.25	For completion of work and submission of GR (<i>Delayed due to local agitation</i>)	Approved
12	Khandadhar Block Sub block-C (2.93 sq km), District-Sundergarh, Odisha	OMC	31.12.25	31.10.26	S.O issued on 31.10.18 Original approved Scheduled Date of Completion was 30.12.19	For obtaining forest clearance	Approved
13	Preliminary Exploration (G3) for Iron Ore in Khandadhar Sub Block - E (8.797 sq.km), Sundargarh District, Odisha	OMC	31.12.25	31.10.26	S.O issued on 12.12.23 Original approved Scheduled Date of Completion was 11.12.24	For obtaining forest clearance	Approved
14	Reconnaissance Survey (G4) for Gold in Yediyur area, Yediyur - Karighatta schist belt, Mandya district, Karnataka	KIOCL	27.12.24	31.10.26	S.O issued on 28.02.24 Original approved	For completion of work and submission GR	Approved

					Scheduled Date of Completion was 27.12.24	(Initially delayed due to non-receipt of forest clearance)	
15	Preliminary Exploration (G-3 Stage) for Gold in Chinnikatti Block, Haveri District, Karnataka	MTCS	09.08.26	08.02.27	S.O issued on 10.02.25 Original approved Scheduled Date of Completion was 09.02.26	For completion of work	Approved
16	Reconnaissance Survey for gold and associated minerals in Killarhatti area, Koppal & Raichur, Karnataka	MTCS	31.08.26	31.12.26	S.O issued on 06.01.25 Original approved Scheduled Date of Completion was 05.11.25	For completion of work and GR submission	Approved
17	Preliminary Exploration (G-3 Stage) for aluminous laterite and associated critical minerals in Govindagude & Sudigudde block, Udupi District, Karnataka	M/s Critical Mineral Trackers	31.07.26	31.10.26	S.O issued on 10.2.25 Original approved Scheduled Date of Completion was 09.08.25	For forest clearance	Approved
18	Reconnaissance Survey for Graphite in Dumburuneli Area, Rayagada, Odisha	M/s MMPL Pvt. Ltd	31.07.26	15.08.26	S.O issued on 10.2.25 Original approved Scheduled Date of Completion was 09.12.25	For GR Submission	Approved
19	Preliminary Exploration (G3) of Bauxite, Titanium and Associated Minerals in Harhapat Bauxite Block, Gumla, Jharkhand	JEMCL	15.07.26	15.09.26	S.O issued on 28.10.24 Original approved Scheduled Date of Completion was 27.08.25	For GR Submission	Approved
20	Financial assistance from NMET funds to procure machinery/ laboratory	DMM Sikkim	30.09.25	30.09.26	S.O issued on 03.04.23	For completion of procurement	Approved

	equipment/instruments etc. aimed at enhancing the exploration activities.				Original approved Scheduled Date of Completion was 02.04.24		
21	Procurement of 4 No. EPMA Instruments	GSI	13.08.26	31.12.27 30.06.27	S.O issued on 14.08.24 Original approved Scheduled Date of Completion was 13.08.26	For completion of procurement	Approved
22	Procurement of Magneto-Telluric (MT) instruments, semi-rugged laptops, software and workstations	GSI	13.07.26	12.07.27	S.O issued on 14.07.25 Original approved Scheduled Date of Completion was 13.07.26	For completion of procurement	Approved

Decision of PSC: PSC approved the timeline extension of the projects, as per table-9.

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

Agenda 11.11: Approval of new exploration project proposals recommended by the Technical-cum-Cost Committee-2 (TCC-2)

TCC-2 has recommended following 09 mineral exploration project proposals with estimated cost of Rs. 12,93,63,712.08 (~1293.64 lakhs) for approval of PSC.

Table-10: Details of exploration projects recommended by TCC-2								<i>Amount in Rs.</i>
Sl. No.	Project/Block Name	Area (in km²)	Agency	Commodity	Stage	Duration (months)	Cost	Comments of PSC
1	Preliminary Exploration (G3) for Iron in Kudi Kochita block, Sidhi District, Madhya Pradesh [32nd TCC-2] [ME/DD/G3/MP/26-27/038]	4.16	MMPL Pvt. Ltd.	Iron	G3	12	3,43,54,739 2,34,55,750	Approved with amendments as in Annexure-9
2	Reconnaissance Survey (G4) for Zn and associated Critical Minerals in Kalsans–Reechhra Area Bhilwara District, Rajasthan [32nd TCC-2] [ME/DD/G4/RJ/26-27/053]	24.5	Enkay Enviro Services Pvt. Ltd.	Zinc and associated critical minerals	G4	10	94,95,489 94,71,239	Approved with amendments as in Annexure-10
3	Reconnaissance survey (G4) for Bauxite and associated minerals in Reladiya-Raydhanjar area, Kachchh district, Gujarat [32nd TCC-2] [ME/IND/G4/GJ/P/26-27/007]	15	Vardan Environet LLP	Bauxite and associated critical minerals	G4	10	55,60,397 55,36,147	Approved with amendments as in Annexure-11

4	Preliminary Exploration (G3) for Limestone in Mudimanikyam block, Nalgonda District, Telangana [32nd TCC-2] [ME/DD/G3/TG/26-27/099]	5	GMMCO Technology Services Limited	Limestone	G3	10	96,20,813 95,84,438	Approved with amendments as in Annexure-12
5	Preliminary exploration (G3) for Aluminous laterite, Titanium, Vanadium and associated Critical minerals in Mudbiwadi block, Bidar District, Karnataka [32nd TCC-2] [ME/IND/G3/KA/P/26-27/013]	3	GMMCO Technology Services Limited	Aluminous laterite, Titanium, Vanadium and associated Critical minerals	G3	10	76,36,163 75,99,788	Approved with amendments as in Annexure-13
6	Preliminary Exploration (G3) for Vanadium, Scandium, Gallium and associated minerals in Chatnalli Block, Bidar district, Karnataka [32nd TCC-2] [ME/DD/G3/KA/26-27/103]	5.88	Geo Marine Solutions Private Limited	Vanadium, Scandium, Gallium and associated minerals	G3	12	2,98,21,970	Deferred PSC observed that the project at Sl. No. 5 & 6 are of similar commodity and also located in the similar geological setup but there is disparity in drilling quantum and field days in both the projects. Considering the area, quantum of work and timeline, the project and its costing may be re-evaluated by TCC. Referred back to TCC for re-evaluation.
7	Reconnaissance Survey (G4) for Tin, Niobium and associated minerals in Shankarpur area, Balrampur district, Chhattisgarh [33rd TCC-2] [ME/DD/G4/CT/26-27/090]	37.7	BMRC Geomining Solutions Pvt Ltd	Tin, Niobium and associated minerals	G4	10	1,23,77,461.08 1,22,92,585.62	Approved with amendments as in Annexure-14

8	Reconnaissance Survey (G4) for Vanadium & Titanium in Aluminous Laterite in Kottur Area, Sangareddy District, Telangana [33rd TCC-2] [ME/IND/G4/TG/P/26-27/014]	66	GMMCO Technology Services Ltd	Vanadium & Titanium in Aluminous Laterite	G4	10	85,11,306 84,74,930	Approved with amendments as in Annexure-15
9	Preliminary Exploration (G-3) for Limestone in Southeast of Shambhunath Ji Ka Kheda Block, Tahsil Rawatbhata, District Chittorgarh, Rajasthan [33rd TCC-2] [ME/DD/G3/RJ/26-27/037]	9.6	United Exploration India Pvt. Ltd.	Limestone	G3	12	1,19,85,374 1,12,86,722	Approved with amendments as in Annexure-16
Total Cost (A)							8,77,01,600.62	

Decision of PSC: PSC approved 08 exploration projects and deferred 01 exploration project at Sl. No. 6, as mentioned against the respective NPEAs in Table-10, with a total cost of Rs. 8,77,01,600.62.

PSC further instructed to include drill plan of exploration project in the minutes of TCC meetings.

Agenda 11.12: Approval of cost revision of ongoing exploration projects with timeline extension (if any), recommended by TCC-2

TCC-2 has recommended cost revision with timeline extension of following 04 projects for approval of PSC.

Table-11: Details of projects recommended by TCC-2 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	Preliminary Exploration (G3) for Potash mineralization in Kalu block, Bikaner District, Rajasthan [32nd TCC-2]	FAGMIL	4,16,82,544	5,67,48,646	1,50,66,102	-	Cost revised due to increase in drilling quantum and respective changes in sampling and chemical analysis	Approved
2	Preliminary Exploration (G3) for Graphite in Dahita block, District Bargarh, Odisha [32nd TCC-2]	MECL	2,03,13,655	1,91,64,626	(-) 11,49,029	-	Cost revised due to changes in quantum of sampling and chemical analysis	Approved
3	Preliminary Exploration (G3-Stage) for Tin in Kangra Block (6.35 sq. km. Area), District – Tehri Garhwal, Uttarakhand [33rd TCC-2]	MECL	6,04,91,156	3,81,20,820	(-) 2,23,70,336	-	Cost revised due to reduction in drilling quantum from 600 m to 300m. Further, drilling has been changed from in-house drilling to outsourced drilling	Approved
4	Preliminary Exploration (G3) for Limestone in Dongargaon Kasara Block, District-Yavatmal, Maharashtra [33rd TCC-2]	MECL	1,22,58,051	74,56,257	(-) 48,01,794	31.08.26	Cost revised due to reduction in approved drilling quantum and associated components. Timeline extension required for submission of GR	Approved

Decision of PSC: PSC approved the revised cost of the exploration projects along with timeline extension, as per table-11.

Agenda 11.13: Approval of pre-closure of ongoing exploration projects along with cost revision (if any), recommended by TCC-2

TCC-2 has recommended of pre-closure of 04 ongoing exploration projects along with cost revision (if any) for approval of PSC:

Table-12: Details of projects recommended by TCC-2 for pre-closure of ongoing projects									
Sl. No.	Block/Project	Agency	Approved on	Duration (in months)	Approved cost (Rs.)	Revised cost (Rs.)	Cost change (Rs.)	Remarks	Comments of PSC
1	Reconnaissance (G4) for Gold in Jojobera-Ulihurang Block, Arki block, Khunti District, Jharkhand [32nd TCC-2] [22nd TCC-2]	JEMCL	39 th EC (SO issued on 24.02.2025)	10	1,13,32,210	20,45,998	(-) 92,86,212	Pre-closure suggested as the analytical results shows insignificant values	Approved
2	Reconnaissance survey (G4) for Gold in Hurungdah-Tamar Ranchi-Arki-Khunti-Kuchai area, Saraikela-Kharsawan District, Jharkhand. [32nd TCC-2] [22nd TCC-2]	JEMCL	41 st EC (SO issued on 19.03.25)	10	2,15,52,594	12,48,023	(-) 2,03,04,571	Pre-closure suggested as the analytical results shows insignificant values	Approved
3	Reconnaissance Survey (G-4) for Bauxite and associated minerals in Kukma Area, District Kachchh, Gujarat [33rd TCC-2]	MECL	43 rd EC (SO issued on 08.09.25)	10	75,45,263.99	19,21,714.00	(-) 56,23,549.99	Pre-closure suggested as the analytical results of BRS are not encouraging	Approved
4	Preliminary Exploration (G-3) of Limestone in Bandha Block (3.54 sq. km) and Jamuniya Block (3.68 sq. km) in District Satna, Madhya Pradesh [33rd TCC-2]	MECL	3 rd PSC (SO issued 08.01.26)	10	2,19,44,208	33,91,262	(-) 1,85,52,946	The limestone bands are discontinuous and there was absence of significant resource potential	Approved

Decision of PSC: PSC approved the pre-closure of exploration projects along with cost revision, as per table-12.

Agenda 11.14: Approval of timeline extension of ongoing exploration/ procurement projects, recommended by TCC-2:

TCC-2 has recommended timeline extension of following 12 mineral exploration/procurement projects, for approval of PSC.

Table-13: 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 (G3) exploration for Glauconite and associated minerals in Pitupura block, Karauli, District, Rajasthan [32nd TCC-2]	GeoExp Ore Private Limited	05.07.26	05.10.26	S.O issued on 06.01.25 Original approved Scheduled Date of Completion was 05.07.26	For completion of project (Due to delay in obtaining forest permission)	Approved
2	Preliminary Exploration (G3) for Tungsten and Tin Ore in Murara-Devendrapura block, District Niwari, Madhya Pradesh [32nd TCC-2]	MECL	31.03.06	31.07.26	S.O issued on 29.08.2024 Original approved Scheduled Date of Completion was 28.08.25	For GR submission	Approved
3	Preliminary Exploration (G3) for REE and Copper in Hirnoda block, Jaipur, Rajasthan [32nd TCC-2]	MECL	04.09.26	04.12.26	S.O issued on 05.03.25 Original approved Scheduled Date of Completion was 04.03.26	For completion of work (Initial delay due to standing crop and onset of monsoon season delayed the drilling operation)	Approved
4	Preliminary exploration (G3) for Magnetite and associated minerals in Pipradih area, District: Giridih, State: Jharkhand [32nd TCC-2]	CMPDI	31.07.26	31.08.26	S.O issued on 13.12.24 Original approved Scheduled Date of Completion was 12.08.25	For submission of GR	Approved
5	Preliminary Exploration (G3) for limestone in Vadekhan Block, Rajkot district, Gujarat [32nd TCC-2]	PRB Infra	03.07.26	03.08.26	S.O issued on 04.09.25 Original approved Scheduled Date	For submission of GR	Approved

					of Completion was 03.07.26		
6	Preliminary Exploration (G3) for Copper, Molybdenum, Tungsten and associated Minerals in Hanspur Block, Jhansi District, Uttar Pradesh [32nd TCC-2]	MECL	30.06.26	31.12.26	S.O issued on 20.02.25 Original approved Scheduled Date of Completion was 19.12.25	For completion of drilling and submission of GR <i>(Delay due to obtaining forest clearance. Forest clearance received on 19.6.26)</i>	Approved
7	Reconnaissance Survey (G4) for Limestone in Dhanokhar Nagod Block, Panna & Satna Districts, Madhya Pradesh [33rd TCC-2]	MPSMC	26.5.26	30.09.26	S.O issued on 28.02.24 Original approved Scheduled Date of Completion was 27.11.24	For submission of GR (Delay in executing drilling activities owing to inaccessibility of the site)	Approved
8	Preliminary exploration (G3) for Limestone in Sangmania Block, Satna District, Madhya Pradesh [33rd TCC-2]	MPSMC	31.07.2 6	07.08.26	S.O issued on 13.12.24 Original approved Scheduled Date of Completion was 12.10.25	For submission of GR	Approved
9	Reconnaissance Survey (G-4) for Bauxite and associated minerals in Ratnal Area, Districts Kachchh, Gujarat [33rd TCC-2]	MECL	07.07.2 6	07.01.27	S.O issued on 08.09.25 Original approved Scheduled Date of Completion was 07.07.26	For completion of drilling, analysis and submission of GR	Approved
10	Preliminary Exploration (G3) for Bauxite and Associated Minerals in Nundhatad Block (5.12 sq.km), Kachchh District, Gujarat [33rd TCC-2]	MECL	22.4.26	22.12.26	S.O issued on 23.06.25 Original approved Scheduled Date of Completion was 22.4.26	For completion of drilling work, sampling, peer review and GR submission <i>(Delay in obtaining permission for pitting)</i>	Approved

11	Reconnaissance Survey (G4) for REE and Phosphorite in Sumarsar area (107.46 sq.km), Kachchh District, Gujarat [33rd TCC-2]	MECL	31.07.26	31.08.26	S.O issued on 19.03.25 Original approved Scheduled Date of Completion was 18.1.26	For submission of GR	Approved
12	Reconnaissance Survey (G-4) for Gold, copper, graphite and associated minerals in Jamtola-Khandapar block (96.62 sq.km.) Balaghat District, Madhya Pradesh [33rd TCC-2]	MECL	11.07.26	11.09.26	S.O issued on 12.12.23 Original approved Scheduled Date of Completion was 11.12.24	For submission of GR	Approved

Decision of PSC: PSC approved the timeline extension of exploration projects as per table-13.

Annexure-1**List of Participant**

Sl. No.	Name	Designation	Position	Mode of joining
1	Shri. Pankaj Garg	Director General, NMEDT	Chairman	Physical
2	Shri. Anshoo Pandey	Director, NCMM	Member, ex officio	Absent
3	Shri. N K Panda	Regional Director, SR, AMD	Member, ex officio	Online
4	Shri. Birendra Kr. Thakur	Director Tech., Ministry of Coal	Member, ex officio	Online
5	Shri. K Reguram	Under Secretary, Representative of Director (E-I), MoPNG	Member, ex officio	Online
6	Smt. Geetika Sharma	Director & HoD, NMEDT	Member Secretary	Online
7	Shri. Alok Kumar	Dy. Secretary, IFD, Mines	Member, ex officio	Online
8	Shri. Jayant Naik	Director, M-II, GSI	Member, ex officio	Absent
9	Shri. Abhay Agarwal	Controller of Mines, IBM	Member, ex officio	Online
10	Shri. Ravi Dutt	Cost Accounts Officer	Member, ex officio	Physical
11	Shri. Sohan Baghel	Jt. Director, MRD, MP	Member, ex officio	Online
12	Shri. Gopal Ram	Addl. Director, DGM Rajasthan	Member, ex officio	Online
13	Ms. Deepa	Addl. Director, CGM Tamil Nadu	Member, ex officio	Online
14	Shri. S. P. Kaddu	Dy. Director, DGM Maharashtra	Member, ex officio	Online
15	Shri. B. P. Raturi	Technical Expert		Online
16	Shri. Pankaj Satija	Technical Expert		Online
17	Dr. P Krishnamurthy	Technical Expert		Online
18	Prof. T. K. Biswal	Technical Expert		Online
19	Shri. Hanuma Prasad Modalli	Technical Expert		Online
20	Shri. Pradeep Singh	Addl. D. G. and Chairman, TCC-2	Special Invitee	Online
21	Dr. S Ravi	Dy. D. G. and Chairman, TCC-1	Special Invitee	Online
22	Shri. Sanjay Singh	Director and Member Secretary, TCC-2	Special Invitee	Online
23	Shri. S Dhanendran	Director and Member Secretary, TCC-1	Special Invitee	Online

Annexure-2									
S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2025		Estimated Cost of the Proposal		Remarks	PSC approved cost	
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)		Qty. (b)	Total Amount (Rs) (a*b)
A	Geological Mapping Other Geological Work & Surveying								
i	Geological field checks of morphological features and collection of SS/SSS/HM samples	Per sq km	1.1	18300	0	-		0	-
ii	a. Charges for Geologist per day (Field)	day	1.2.1a	14,500	150	21,75,000	sampling and field check of geomorphic units	120	17,40,000
iii	b. Labours Charges; Base rate	day	5.8	556	300	1,66,800		240	1,33,440
iv	c. Charges for Geologist per day (HQ)	day	1.2.1a	10,500	90	9,45,000	1 month for satellite data based geomorphological and drainage basin delineation, 2 months for post field HQ works	90	9,45,000
v	d. Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	70	5,49,500		56	4,39,600
vi	e. Labours (4 Nos)	day	5.8	556	280	1,55,680		224	1,24,544
	Sub Total- A					39,91,980	-		33,82,584
B	DRILLING (In house)								
i	Auger drilling	m	2.2.2.2	3,808	350	13,32,800	1.0m depth at 300 location and 5.0m deeper depth sample at 10 locations	350	1332800
iii	Miscellaneous charges relate dto drilling	Lumpsum	2.2.9		1	3,33,200	25% of drilling cost	1	333200
	Sub Total B					16,66,000			16,66,000
	LABORATORY STUDIES								
C	Physical & Petrological Studies								
i	Separation of Heavy minerals from streams sediment samples of 2 mm size through gravity and magentic separation	Nos	4.3.6.b	13,820	350	48,37,000		350	48,37,000
ii	Modal analysis	Nos	4.3.7	4,590	88	4,03,920	25% of total samples	88	4,03,920
iii	Sieve analysis of Composite samples	No.s			15		15 composite samples As per TCC suggestion	15	-
iv	XRD analysis	Nos	4.5.2	4,000	-	-		10	40,000
v	Primary core samples plus check samples for determination of REE and Trace elements by ICP MS	Nos	4.1.15	7,400	110	8,14,000	100 samples + 10 check samples	110	8,14,000
vi	EPMA studies per hour	per hour	4.4.1	10,500	10	1,05,000		10	1,05,000
	Sub total C					61,59,920	-		61,99,920
D	Total A to C					1,18,17,900			1,12,48,504
E	Geological Report Preparation		5.2	5.2 (ii)		2,50,000	Reimbursement will be made after submission of the final Geological Report in soft copy to NMEDT.		2,50,000
F	Peer review Charges		As per EC decision			30,000			30,000
G	Preparation of Exploration Proposal soft copy)		5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		2,36,358	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.		2,24,970
H	Total Estimated Cost without GST					1,23,34,258			1,17,53,474
I	Provision for GST (18% of H)					22,20,166	GST will be reimbursed as per actual and as per notified prescribed rate		21,15,625.33
J	Total Estimated Cost with GST					1,45,54,424			1,38,69,099
					or Say Rs. In Lakhs	145.54	-	-	138.69

Preliminary Exploratiion (G-3) for Graphite and associated minerals in Barwaiya-Irgu Block, Districts: Palamu & Latehar Districts, Jharkhand [Block area- 2.70 sq. km; Schedule timeline- 12 months; BH-10 Nos in 1st level-Depth 30m and 4 Boreholes in 2nd level vertical Depth of 60m Total Drilling meterage- 700 m; Total BH: 14; Review- After 3, 6 & 9 months months]									
SL No.	Item of Work	Unit	Rates as per NMET S		Estimated Cost of the		Remarks	PSC Approved quantity	
			SoC-Item -Sl No.	Rates as per SoC	Qty.	Amount (Rs)		Qty.	Amount (Rs)
1st phase: Mapping, Sampling, Trench and GP study									
A	GEOLOGICAL WORK & TOPOGRAPHICAL SURVEY (1:2000 scale)								
i	Detailed Geological Mapping	day	1.1	18300	2.70	49410		2.70	49410
	Charges for one Geologist- Field	day	1.2.1a	14500	110	1595000	(Including Field work and Drilling	110	1595000
ii	Charges for one Geologist - HQ	day	1.2.1a	10500	30	315000		30	315000
iii	2 labours / Party(As per rates of Central Labour	day	5.8	556	220	122320		220	122320
iv	Sampling Party days-1 Samplers Labour charge not included	day	1.2.1b	7850	59	463150		46	361100
v	4 labours/ party (As per rates of Central Labour Commissioner)	day	5.8	556	236	131216		184	102304
	Survey								
vi	Topographical Survey, boundary survey	day	1.6.1a	10500	30	315000	Topographical Survey on 1:2000 (2 m contour interval)	30	315000
viii	4 labours for surveyor	day	5.8	556	120	66720		120	66720
	Sub Total- A					3057816			2926854
B	Surface Geophysical Survey								
i	Self Potential (S.P)	L.km	3.3a	62140	10	621400		10	621400
iii	Geophysicist HQ	days	3.18	10500	10	105000		10	105000
	Sub Total- B					726400			726400
C	TRENCHING								
i	Trenching (1 x5 x2 m)10 No. of Trench	Cu m	2.1.2	4125	100	412500		100	412500
	Sub Total- C					412500			412500
2nd phase: Drilling (After review of 1st phase of work									
D	DRILLING								
i	Drilling upto 300m (Hard Rock)	m	2.2.1.1d	10000	700	7000000	BH-10 Nos in 1st level-Depth 30m and 4 Boreholes in 2nd level vertical Depth of 60m. 700 m is tentative	540	5400000
ii	Land / Crop Compensation	per BH	5.6	30000	14	420000	As per actuals, with maximum ceiling of Rs 30000 per BH	14	420000
iii	Construction of concrete Pillar (12"x12"x30") (14 BH Pillar +6 Boundary Pillar)	per borehole	2.2.7	2000	20	40000	(14 BH Pillar +6 Boundary Pillar)	20	40000

iv	Miscellaneous charges -Transportation of Drill Rig, Accomodation of Drill Camp, Camp setting & winding Construction of	Lumpsum	2.2.9 (2)	-	-	1400000	if Drilling cost >50 lakhs & < 1 Cr, 20% of the Drilling cost with Maximum of 15.0 Lakhs	-	1080000
v	Drill Core Preservation (One complete borehole plus mineralised cores of all the remaining BHs)	Per meter	5.3	1590	350	556500	1 complete BH + remaining mineralised zone	270	429300
vi	Bore Hole Fixation and determination of co- ordinates & Reduced Level of the boreholes by DGPS	Nos	1.3.2	24000	14	336000	14 BH points	14	336000
Sub Total- D						9752500			7705300
E	LABORATORY STUDIES								
1	Chemical Analysis								
	Primary & Check samples for Graphite BRS/Pit/Chip/Channel/BH samples)								
	a. Primary Samples for Proximate Analysis of Graphite: Fixed Carbon (FC), Ash (A), Moisture (M) and Volatile Matter (VM)	Nos	4.1.18	3614	400	1445600	BH-280 BRS-40, Trench-80	336	1214304
	b. Check samples from NABL Lab for Proximate Analysis of Graphite: Fixed Carbon (FC), Ash (A), Moisture (M) and Volatile Matter (VM)	Nos	4.1.18	3614	40	144560		34	122876
	d. ICP-AES/ICPMS (sequential technique) for 34 elements i.e. 16 other elements viz. Li, Ga, In, Be, Ge, Mo, Ni, Cr, Ta, W, Ba, Co, Rb, Sr, Zr, Nb ; 16 REE viz. La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sc, Y; 02 Actinides viz. U, Th	Nos	4.1.15	7400	20	148000		20	148000
	Whole Rock Analysis (SiO ₂ , Fe ₂ O ₃ , MnO ₂ , Al ₂ O ₃ , MgO, CaO, BaO, K ₂ O, P ₂ O ₅ , TiO ₂ , V ₂ O ₅ , LOI, S, V)		4.1.17a	4200	10	42000		10	42000
2	Physical & Petrological Studies								
i	Preparation of thin polished section	Nos	4.3.2	800	10	8000		10	8000
ii	Study of Thin Section plus photo micrograph	Nos	4.3.4	2800	10	28000		10	28000
iii	Bulk Density studies		4.8.3	2500	5	12500		5	12500
Sub Total- E						1828660			1575680
Total A to E						15777876			13346734

F	Geological Report Preparation - including charges of typing text,, table etc., degitization of maps/ sectinons etc.,		5.2 (iii)	soft copy		750000	Total cost of the project exceeding 150 lakhs 7.5 lakhs is considsered		250000
G	Peer review Charges	As per EC				30000			30000
H	Preparation of Exploration Proposal	soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whicheve r is lower		315558			266935
I	Total Estimated Cost without GST					16873434			13893669
J	Provision for GST (18% of I)					3037218	GST will be reimburse as per actual and as per notified prescribed rate		2500860
K	Total Estimated Cost with GST					19910652			16394529
	or Say Rs. In Lakhs					199.11			163.95

Preliminary Exploration (G3) for Graphite and associated Critical Minerals in Kandegaon Block, District: Kalahandi, Odisha

Total area - 12.24 Sq.km; Period of completion - 12 months, Review - After 3, 6 and 9 months

SL.No	Item Of Work*	Unit*	Rate As Per NMEDT SOC 2025		Estimated Cost of the Proposal			PSC	
			SOC. Item No	Rate As Per revised SOC* (a)	Qty. (b)	Total Amount (Rs) (a*b)	Remarks	Qty. (b)	Total Amount (Rs) (a*b)
A	Detailed Geological Mapping with contouring (4000 scale)Other Geological Work & Surveying								
i	Geological mapping (1:4,000) with contouring, Trenching & Drilling work	Per Sq. km	1.1	18300	12.24	₹ 2,23,992.00		12.24	223992
ii	a. Charges for 2 Geologist per day (Field) for Geological mapping & Trenching work, drilling activity (without labour)	day	1.2.1a	₹ 14,500.00	120	₹ 17,40,000.00		120	1740000
iii	b. Labours charges; Base rate (for 2 labours per geologists)	day	5.8	₹ 556.00	240	₹ 1,33,440.00		240	133440
iv	c. Charges for Geologist per day (HQ)	day	1.2.1a	₹ 10,500.00	30	₹ 3,15,000.00		30	315000
	Sub Total- A					₹ 24,12,432.00			₹ 24,12,432.00
B	Trenching/Pitting								
i	Trenching	per cu.m	2.1.1	₹ 4,125.00	150	₹ 6,18,750.00		150	₹ 6,18,750.00
	Sub Total- B					₹ 6,18,750.00			₹ 6,18,750.00
C	Survey work								
i	Charges for one qualified surveyor	day	1.3.1	₹ 10,500.00	30	₹ 3,15,000.00		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	14	₹ 3,36,000.00	(10BH + 4 Cardinal points)	14	₹ 3,36,000.00
iii	Labours Charges for survey work; Base rate	day	5.8	₹ 556.00	120	₹ 66,720.00		120	₹ 66,720.00
	Sub Total- C					₹ 7,17,720.00			₹ 7,17,720.00
D	Ground Geophysical Survey (in- house)								
i	Charge for SP survey	Line km	3.3a	₹ 62,140.00	10	₹ 6,21,400.00		10	₹ 6,21,400.00
ii	Charges for Geophysicist per day (HQ)	day	3.18	₹ 10,500.00	10	₹ 1,05,000.00		10	₹ 1,05,000.00
	Sub Total- D					₹ 7,26,400.00			₹ 7,26,400.00
E	Drilling (after review) (in-house)								
i	Systematic Drilling (Hard rock) (HQ) in first Level	per m	2.2.1.1d	₹ 10,000.00	500	₹ 50,00,000.00		500	₹ 50,00,000.00
iii	Land / Crop Compansation (in case the BH falls in agricultural Land)	per borehole	5.6	₹ 30,000.00	10	₹ 3,00,000.00		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		10	₹ 20,000.00
v	Miscellaneous charges (Transportation of drilling rigs, accomodation for drilling camp, camp setting and winding construction of approach road making and drill core preservation)	Lumpsum	2.2.9	for drilling cost upto 50 lakh, 25% of cost		₹ 12,50,000.00			₹ 12,50,000.00
vi	Drill core preservation	per m	X	₹ 1,590.00	250	₹ 3,97,500.00	1 complete BH + remaining mineralized zones	250	₹ 3,97,500.00
vii	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	₹ 7,850.00	55	₹ 4,31,750.00		50	₹ 3,92,500.00
viii	Charges for Labour	day	5.8	₹ 556.00	220	₹ 1,22,320.00		200	₹ 1,11,200.00
	Sub Total- E					₹ 75,21,570.00			₹ 74,71,200.00

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	370	₹ 13,37,180.00	BRS/ Grooveline sampling=50, Trench samples=120, BH Core sample=200	370	₹ 13,37,180.00
b	Proximate analysis for graphite (10% external check)	Nos	4.1.18	₹ 3,614.00	37	₹ 1,33,718.00		37	₹ 1,33,718.00
c	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)	Nos	4.1.15	₹ 7,400.00	20	₹ 1,48,000.00	Trench=10, BH Core sample=10	20	₹ 1,48,000.00
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)	Nos	4.1.15	₹ 7,400.00	2	₹ 14,800.00		2	₹ 14,800.00
	Whole rock analysis	Nos	4.1.17a	₹ 4,200.00	10	₹ 42,000.00		10	₹ 42,000.00
2	Physical & Petrological Studies								
i	Preparation of Standard polished thin section of rock	Nos	4.3.2	₹ 800.00	10	₹ 8,000.00		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		10	₹ 28,000.00
iv	Bulk density analysis	Nos	4.8.3	₹ 2,500.00	5	₹ 12,500.00		5	₹ 12,500.00
v	Raman Spectroscopy	per hour	4.5.1	₹ 2,700.00	5	₹ 13,500.00		5	₹ 13,500.00
	Sub Total- F					₹ 17,37,698.00			₹ 17,37,698.00
G	Total A to G					₹ 1,37,34,570.00			₹ 1,36,84,200.00
H	Geological Report Preparation	Soft copy	5.2 (ii)	total cost of project exceeding 50 lakh and less than 150 lakh		₹ 2,50,000.00	soft copy to NMEDT and uploading on NGDR portal.		₹ 2,50,000.00
I	Peer review Charges	As per EC decision		₹ 30,000.00	1	₹ 30,000.00			₹ 30,000.00
J	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 Lakhs whichever is lower		₹ 2,74,691.40			₹ 2,73,684.00
K	Total Estimated Cost without GST					₹ 1,42,89,261.40			₹ 1,42,37,884.00
L	Provision for GST (18% of L)					₹ 25,72,067.05	GST will be reimbursed as per actual and as per notified prescribed rate		₹ 25,62,819.12
M	Total Estimated Cost with GST					₹ 1,68,61,328.45			₹ 1,68,00,703.12
				Rs. In Lakhs		₹ 168.61			₹ 168.01

Estimated cost for Reconnaissance Survey (G-4) for REE and associated critical minerals in **Patharkata Area, District: Nayagarh, Odisha.**
 [Block area- 105.36 sq. km; Core Drilling-500m (8 nos., tentative), Borehole depth range: 60 m; Schedule timeline- 10 months, Review after: 3, 6 and 9 months]

S. No.	Item of Work	Unit	Rates as per NMEDT Revised SoC		Estimated Cost of the Proposal		Remarks	PSC Approved	
			SoC-Item -SI No.	Rates as per SoC	Qty.	Amount (Rs)		Qty.	Amount (Rs)
A	GEOLOGICAL MAPPING								
i	Large Scale Mapping (1:12,500)	per sq km	1.1	18,300	105.36	19,28,088		105.36	19,28,088
B	OTHER GEOLOGICAL WORK/ ACTIVITIES								
i	Charges for one Geologist- Field	per day	1.2.1a (b)	14,500	30	4,35,000	For drilling	30	4,35,000
ii	Charges for one Geologist - HQ	per day	1.2.1a (a)	10,500	30	3,15,000		30	3,15,000
iii	2 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	60	33,360		60	33,360
iv	Sampling -1 Samplers Labour charge not included	per day	1.2.1b	7,850	30	2,35,500		28	2,19,800
v	4 labours/ party (As per rates of Central Labour Commissioner)	per day	5.8	556	120	66,720		112	62,272
C	SURVEY WORK								
i	Demarcation of lease boundary, Fixation of borehole and determination of co-	Per Point of observation	1.3.2	24,000	8	1,92,000	Proposed Boreholes: 8	8	1,92,000
D	PITTING AND TRENCHING								
i	Pitting	per cu. m.	2.1.2	4725	50	2,36,250		50	2,36,250
	Sub Total- A TO D					34,41,918			34,21,770
E	EXPLORATORY DRILLING								
1	CORE DRILLING (Inhouse)								
i	Drilling in very hard rock upto 400 m in HQ Size	m	2.2.1.1d	10,000	500	50,00,000	08 Boreholes	500	50,00,000
ii	Concrete Pillar Construction	Per Borehole	2.2.7	2000	8	16,000		8	16,000
iii	Borehole Plugging	Lumpsum per borehole	2.2.8	10000	8	80,000		8	80,000
iv	Miscellaneous Charges	Lumpsum per borehole	2.2.9	For drilling cost upto 50 lakhs: 25% of drilling cost		12,50,000	12,50,000		12,50,000
v	Drill core Preservation	per m	5.3	1590	200	3,18,000	1 complete BH + Mineralised Zone	200	3,18,000
	Sub Total- E					66,64,000			66,64,000
F	LABORATORY STUDIES								
1	Chemical Analysis								
	a- Analysis of 14 REE & 9 trace element by ICP-MS sequential technique	per sample	4.1.15	7,400	215	15,91,000	Bedrock: 50, Pit Samples: 50, Stream Sediment Samples: 55, Drillcore Samples: 50, 10 HMS samples	215	15,91,000
	b- External (10%) Check samples from NABL Lab of 14 REE & 9 trace element by ICP-MS sequential technique	per sample	4.1.15	7,400	21	1,55,400		21	1,55,400
	c- Major Oxides (WD XRF) (oxides + traces-24 elements)	per sample	4.1.17a	4,200	5	21,000		5	21,000
2	Physical & Petrological Studies								-
ii	XRD analysis for identification of mineral phase	per sample	4.5.2	4,000	10	40,000		10	40,000
v	Preparation of thin polished section	per sample	4.3.2	800	10	8,000		10	8,000
vi	Complete mineragraphic study report	per sample	4.3.4	2,800	10	28,000		10	28,000
vii	EPMA studies	Hrs	4.4.1	10,500	10	1,05,000		10	1,05,000
	Preparation of unmounted polished section for EPMA	per sample	4.3.3	700	10	7,000		10	7,000
	Heavy mineral Separation by liquid	Per Sample	4.3.6a	2,890	10	28,900		10	28,900
	Sub Total- F					19,84,300			19,84,300
G	Total A to F					1,20,90,218			1,20,70,070
H	Geological Report Preparation		5.2.iii	Total cost of the project exceeding 50 lakh but less than 150 lakh: 2.5 lakhs		2,50,000			2,50,000
I	Peer review Charges		As per EC decision			30,000			30,000
J	Preparation of Exploration Proposal	soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is lower		2,41,804			2,41,401
K	Total Estimated Cost without GST					1,26,12,022			1,25,91,471

L	Provision for GST (18% of K)	22,70,164	GST will be reimbursed as per actual and as per notified prescribed rate		22,66,465
M	Total Estimated Cost with GST	1,48,82,186			1,48,57,936
	or Say Rs. In Lakhs	148.82			148.58

Preliminary Exploration (G3) for Graphite and associated critical minerals in Nawadih Block , District: Balrampur-Ramanujanj , Chhattisgarh

Scheduled Timeline: 12 months, Review after: 3, 6 and 9 months.

1st Phase: Mapping, Sampling and Geophysical Survey. 2nd Phase Drilling

Drilling: 800 m; each BH 30 m vertical intersection for 8 BH, 60 m vertical intersection for 4 BH.

S. No.	Item of Work	Unit	Rates as per NMEDT SoC 2025		Estimated Cost of the Proposal		Remarks	PSC approved quantity	
			SoC-Item -SI No.	Rates as per SoC	Qty.	Amount (Rs)		Qty.	Amount (Rs)
A	GEOLOGICAL MAPPING OTHER GEOLOGICAL WORK & SURVEYING								
1	Detailed Geological Mapping with contouring (1:2000)	per sq.km	1.1	18,300	9.98	182634		9.98	182634
i	Charges for Geologist per day (Field) for Geological mapping & Trenching work, drilling activity	day	1.2.1a	14,500	120	1740000		120	1740000
ii	Charges for Geologist per day (HQ)	day	1.2.1a	10,500	30	315000		30	315000
iii	Labours Charges; Base rate	day	5.8	556	240	133440		240	133440
2	Survey Work								0
i	Charges for one qualified surveyor (Topographic survey, surface contouring at specific interval)	per day	1.3.1	10500	30	315000	Topographical Survey on 1:2000 (2 m contour interval)	30	315000
ii	DGPS Survey for BH fixation and Cardinal Points of block	per point of observation	1.3.2	24000	16	384000	12 BHs and 4 boundary coordinates	16	384000
	Labours Charges; Base rate	day	5.8	556	120	66720		120	66720
3	Samples Preparation								0
i	Charges for one Sampler per day	one sampler per day	1.2.1b	7,850	59	463150		48	376800
ii	Labours Charges; Base rate (4 nos.)	day	5.8	556	236	131216		192	106752
4	Geophysical Survey								0
	Self-Potential (8-20 line km)	Line Km	3.3a	62140	15	932100		15	932100
3	Trenching								

	Trenching	cu.m	2.1.1	4125	50	206250		50	206250
6	LABORATORY STUDIES								
1	Chemical Analysis (Surface Samples)								
i	Primary & Check samples for Graphite								
	Proximate analysis of Graphite	Nos	4.1.18	3,614	100	361400	50 Trench samples + 50 BRS	100	361400
	b-External(10%) Check samples	Nos	4.1.8	3,614	10	36140		10	36140
	Major oxides (WD XRF)- (oxides +traces - 24 elements)	Nos	4.1.17a	4,200	10	42000		10	42000
	b-External(10%) Check samples	Nos	4.1.17a	4,200	1	4200		1	4200
ii	ICPMS for Trace elements								0
	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	7,400	20	148000		20	148000
	Check samples	Nos	4.1.15	7,400	2	14800		2	14800
	Analysis for Vanadium		4.1.17 b	421	20	8420		20	8420
	Analysis for Vanadium (Check Samples)		4.1.17 b	421	2	842		2	842
2	Physical & Petrological Studies								
i	Preparation of polished thin section	Nos	4.3.2	800	10	8000	(including core samples)	10	8000
ii	Complete petrographic study report	Nos	4.3.4	2,800	10	28000		10	28000
iii	Raman Spectroscopic study	per hour	4.5.1	2,700	10	27000		10	27000
iv	Bulk Density	Nos	4.8.3	2,500	5	12500		5	12500
	Sub Total A					5560812			5449998
B	DRILLING (In-house)								
i	Drilling upto 400m (Hard Rock) (1 rig)	m	2.2.1.1d	10,000	1,000	1,00,00,000.00		800	8000000
ii	Land / Crop Compansation	per BH	5.6	30,000	12	360000	As per actuals with 30000 being maximum ceiling	12	360000

iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	12	24000		12	24000
iv	Borehole plugging by cement	lumsum per borehole	2.2.8	10,000	12	120000		12	120000
v	Misc Charges (Transportation of drilling rig, accommodation for Drill Camp, Camp setting and winding, construction of Approach rod and Drill core preservation	Lumsum	2.2.9 (ii)	20,00,000.00	1	15,00,000.00	For drilling cost more than 50 lakh and upto 1 crore : 20% of the Drilling Cost with maximum ceiling of 15 lakhs.	1	1500000
vi	Core Preservation: One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	300	477000	1 complete BH + mineralised zone	240	381600
6	LABORATORY STUDIES								
1	Chemical Analysis (Core samples)								
i	Primary & Check samples for Graphite								
	Proximate analysis of Graphite	Nos	4.1.18	3,614	250	903500		200	722800
	b-External(10%) Check samples	Nos	4.1.8	3,614	25	90350		20	72280
ii	ICPMS for Trace elements								
	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements +9 trace element (U, Ta, Ge, Be, Hf, Sn, As,	Nos	4.1.15	7,400	50	370000		50	370000
	Check samples	Nos	4.1.15	7,400	5	37000		5	37000
	Analysis for Vanadium		4.1.17 b	421	50	21050	for each addl element Rs 421/-	50	21050
	Analysis for Vanadium (Check Samples)		4.1.17 b	421	5	2105		5	2105
	Sub Total- B					1,39,05,005.00	-		1,16,10,835.00
D	Sub Total A + Sub Total B					1,94,65,817.00	-	-	1,70,60,833.00

E	Geological Report Preparation		5.2.iii	exploration with cost of work exceeding ₹ 150 lakh: ₹7.5 lakh		7,50,000.00			7,50,000.00
F	Peer review Charges		As per EC decision			30000			30000
G	Preparation of Exploration Proposal (soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is lower		3,89,316			3,41,216.66
H	Total Estimated Cost without GST					2,06,35,133.34	-	-	1,81,82,049.66
I	Provision for GST (18% of H)					37,14,324.00	-	-	32,72,768.94
J	Total Estimated Cost with GST					2,43,49,457.34	-	-	2,14,54,818.60
				Round Off		2,43,49,457.00	-	-	2,14,54,819.00
						243.49	-	-	214.55

Preliminary Exploration (G3) for Limestone in Honnal Block, District: Kalaburagi, Karnataka Area: 6.6 sq. km; No. of BH: 10; Total Drilling: 400 m; BH Depth Range: 30- 40 m; Scheduled Time: 10 months; Review after: After 3, 6 and 9 months									
S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks	PSC approved	
			SoC-Item No	Rates as per SoC (a)	Qty. (b)	Total Amount (Rs) (a*b)		Qty. (b)	Total Amount (Rs) (a*b)
1. 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)	Per Sq.km	1.1	18300	6.6	120780	DM to be done on 1:4000 scale with contouring	6.6	120780
2. OTHER GEOLOGICAL WORK / ACTIVITY									0
2.1	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 Geologist per day at HQ	1.2.1a	10500	30	315000		30	315000
2.2	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 Geologist per day in field (without labour)	1.2.1a	14500	100	1450000	FIELD: 14500 PER DAY	100	1450000
2.3	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.	Charges for one sampler per day	1.2.1b	7850	45	353250	SAMPLER - 7850 PER DAY	41	321850
5.8	Charges for Labour (for Geologist)		5.8	556	200	111200		200	111200
5.8	Charges for Labour (for Samplers)		5.8	556	180	100080		164	91184
3. SURVEY WORK									
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)	Charges for one Surveyor per day	1.3.1	10500	25	262500		25	262500
	Charges for Labour (for Surveyor)		5.8	556	100	55600		100	55600

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	Per Point of observation	1.3.2	24000	14	336000	10 BH + 4 Cardinal Points	14	336000
4. MINERAL INVESTIGATION									
4.1 DRILLING									
4.1.1 DRILLING: (DIAMONG CORE DRILLING) (IN House) (After Review of Mapping work)									
4.1.1.1	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		400	2200000
4.1.1.2	Construction of concrete Pillar (12"x12"x30")	Per Borehole	2.2.7	2000	10	20000		10	20000
4.1.1.3	Borehole plugging by cement	Lumpsum per borehole	2.2.8	10000	10	100000		10	100000
4.1.1.4	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(1)	1. For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost	1	550000			550000
	Drill Core Preservation	per m	5.3	1590	300	477000	1 complete BH + mineralised zone	300	477000
5. LABORATORY STUDIES									
5.1. CHEMICAL ANALYSIS									
5.2. ESTIMATION OF MAJOR OXIDES BY XRF TECHNIQUE (WHOLE ROCK ANALYSIS)									
5.2.1	Major Oxided by XRF Technique (Whole rock analysis)	Per Sample	4.1.17a	4200	325	1365000	25 BRS+ 300 Core Samples	325	1365000
	Major Oxided by XRF Technique (Whole rock analysis) (10 % Check Samples)	Per Sample	4.1.17a	4200	33	138600		33	138600
5.3. PETROLOGICAL STUDIES									
5.3.1	Preparation of standard thin section of rock	Per Sample	4.3.1	500	10	5000		10	5000
5.3.2	Complete petrographic/ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Per Sample	4.3.4	2800	10	28000		10	28000
5.4. GEOTECHNICAL STUDIES									
5.4.1	Bulk Density - Dry / Saturated	Per Sample	4.8.3	2500	5	12500		5	12500
6. MISCELLANEOUS CHARGES									
6.3	Land/Crop compensation	Per borehole	5.6		10	300000	As per actuals, with maximum ceiling of Rs 30000 per BH	10	300000
TOTAL COST						8300510			8260214
PEER REVIEW CHARGES						30000			30000
PREPARATION OF EXPLORATION PROPOSAL						166010.2			165204
GEOLOGICAL REPORT PREPARATION						250000			250000
TOTAL ESTIMATED COST WITHOUT GST						8746520.2			8705418
PROVISION OF GST 18%						1574373.6			1566975.0
TOTAL ESTIMATED COST WITH GST						10320893.8			10272393.0
						Round Off			10272393.0
						103.2089384			102.72393

Reconnaissance Survey (G4 stage) for Aluminous Laterite and Bauxite with associated Vanadium, Titanium and other critical minerals in Mandwa Block (50 sq.km), Chandrapur District, Maharashtra. (Toposheet No. 56 M/2) Scout Drilling - 250 meters, No. of BH: 5 (each with depth 50 m); Time period - 10 months. Review after: 3, 6 and 9 months

S. No.	Job Description	Unit	Rates as per revised		Estimated Cost of the		Remarks	PSC approved	
			SoC-Item -SI	Rates as per SoC	Qty.	Total Amount (Rs)		Qty.	Total Amount (Rs)
A	Large scale (LSM) Geological Mapping (1:12,500)	Per sq. km	1.1	18300	50	915000		50	915000
	Sub Total A					915000			915000
B	Geological Mapping (LSM) (1:12,500)								
1	Geologist: In field	Man days	1.2.1a	14,500	30	435000		30	435000
2	Geologist: at HQ	Man days	1.2.1a	10,500	30	315000		30	315000
3	Labour charges (for sample collection, packaging, carrying, 2 Nos)	Man days	5.8	556	60	33360		60	33360
4	Charges for one sampler per day (for sample preparation)	Man days	1.2.1b	7850	51	400350		46	361100
5	Labour charges (4 Nos for sample preparation)	Man days	5.8	556	204	113424		184	102304
	Sub Total B					1297134			1246764
C	Pitting								
1	Pitting	per cu m	2.1.2	4725	20	94500		20	94500
	Sub Total C					94500			94500
D	Drilling (In-house)								
1	Drilling	per m	2.2.1.c	5500	250	1375000		250	1375000
2	Land Compensation	Per Borehole		30,000	5	150000	As per actuals with 30000 being maximum ceiling for each BH	5	150000
3	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding etc)	Kms	2.2.9 (1)			343750			343750
4	Concrete Pillar Construction	Per Borehole	2.2.7	2,000	5	10000		5	10000
5	Borehole plugging by cement	Lumpsum per borehole	2.2.8	10,000	5	50000		5	50000
6	Drill Core Preservation	m	5.3	1,590	150	238500	1 complete BH + Mineralised Zone	150	238500
	Sub Total D					2167250			2167250
E	Laboratory Studies								
1	Major oxides using WD XRF Analysis	No.	4.1.17 a	4200	270	1134000	150 CS+100 BRS+20 Pit	270	1134000
2	10% check samples		4.1.17 a	4200	27	113400		27	113400
3	ICPMS by sequential technique	No.	4.1.15	7400	100	740000	70 CS+20 BRS+10 Pit	100	740000
4	10% check samples	No.	4.1.15	7400	10	74000		10	74000

	For each additional Trace element (Vanadium)	No.	4.1.17b	421	100	42100		100	42100
	For each additional Trace element (Vanadium) (10 % check samples)	No.	4.1.17b	421	10	4210		10	4210
	Sub Total E					2107710			2107710
F	Physical & Petrological Studies								
1	Preparation of polished thin section	No.	4.3.2	800	10	8000		10	8000
2	Complete petrographic study report	No.	4.3.4	2800	10	28000		10	28000
3	Bulk density	No.	4.8.3	2500	2	5000		2	5000
	Sub Total F					41000			41000
	Total A+B+C+D+E+F					6622594			6572224
	Total Cost					6622594			6572224
G	Geological Report Preparation	No.	5.2	Total cost of the project exceeding 50 lakh and upto 150 lakh	1	250000	As per SoC		250000
H	Peer Review by External Expert	No.	As per EC decision	30000	1	30000			30000
I	Preparation of Exploration Proposal	No.	5.1	2% of the approved project cost or Rs. 500000 whichever is less	1	132452	As per SoC		131444
J	Project Cost without GST					7035046			6983668
K	GST - 18%					1266308			1257060
L	Total Project Cost (With GST)					8301354			8240728
	Rs. In Lacs					83.01			82.41

Cost Estimate for Preliminary exploration (G3) for Iron ore and associated mineralization in Kudi Kochita Block, Sidhi District, Madhya Pradesh
Total area: 4.16 sq km, BH: 10 , Drilling: 800 m, Period of Completion: 12 months, Review: After 4 and 8 months

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2025		Qty. (C)	ised Cost of the Pro	Remarks	PSC Approved	
			SoC-	Rates as per SoC * (a)		Total Amount (Rs)		Qty.	Total Amount
			Item No. *			(a*c)			
A	Geological Mapping Other Geological Work & Surveying								
i	Geological mapping (1:4,000)	per sq km	1.1	18300	4.16	76128		4.16	76128
ii	Charges for one Geologist per day in field (without labour)	day	1.2.1a(b)	14,500	120	1740000		120	1740000
iii	Labours Charges(Geologist)	day	5.8	556	240	133440		240	133440
iv	Charges for Geologist per day (HQ)	day	1.2.1a(a)	10,500	30	315000		30	315000
v	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	77	604450		50	392500
vi	Labours for Sampler (4 Nos)	day	5.8	556	308	171248		200	111200
	Sub Total- A					3040266			2768268
B	Survey work								
i	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	26	624000	10 Boundry, 16 BH Point	20	480000
ii	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	10,500	30	315000	For Topographical survey	30	315000
iii	Labours Charges for survey work;	day	5.8	556	120	66720		120	66720
	Sub-Total B					1005720			861720
C	Trenching/Pitting								
i	Trenches	per cu.m	2.1.1	4125	100	412500		100	412500
	Sub Total C					412500			412500
D	DRILLING (after review)- In -house								
i	Drilling up to 1200 m (very Hard rock)	per m	2.2.1.1e	12,650	1360	17204000	10 first level boreholes with 800 m spacing, remaining post review. Total 16 boreholes.	800	10120000
ii	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	16	480000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole	10	300000
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	16	32000		10	20000
iv	Drill Core Preservation	per m	5.3	1,590	550	874500	One full Borehole of 70 m, remaining mineralised zone of 9 boreholes	320	508800
	Sub Total D					18590500			10948800
E	LABORATORY STUDIES								
1	Chemical Analysis								
	Geochemical Sampling								

i	Major oxides (WD XRF)- (oxides+ traces -24 elements)	per sample	4.1.17a	4,200	520	2184000	BRS 20, Channel 100, Trench-100, CS-176 samples	396	1663200
ii	Analysis for precious (Au) metals by fire assay technique	per sample	4.1.5a	3,500	10	35000		10	35000
iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be, Sn,As,Th, Co, V,) by ICP-MS (sequential technique)	per sample	4.1.15	₹ 7,400.00	20	148000		20	148000
Check samples (10% External)									
i	Major oxides (WD XRF)- (oxides+ traces -24 elements)	per sample	4.1.17a	4,200	52	218400		40	168000
ii	Analysis for precious (Au) metals by fire assay technique	per sample	4.1.5a	3,500	1	3500		1	3500
iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element (U,Ta,Ge,Be, Sn,As,Th, Co, V,) by ICP-MS (sequential technique)	per sample	4.1.15	₹ 7,400.00	2	14800		2	14800
2	Physical & Petrological Studies								
i	Preparation of thin section	Nos	4.3.1	500	10	5000		10	5000
ii	Preparation of polish section	Nos	4.3.2	800	10	8000		10	8000
iii	Complete petrographic study	Nos	4.3.4	2,800	20	56000		20	56000
iv	EPMA study	per hour	4.4.1	10500	10	105000		10	105000
v	Bulk density analysis	Nos	4.8.3	2,500	3	7500		3	7500
vi	Misc charges (Transportation of drilling rig, accomodation for drill camp, camp settind and winding, construction of approach road and drill core preservation	Lumpsum	2.2.9			2000000			1518000
Sub Total E						4785200			3732000
Total A to E						27834186			18723288
F	Geological Report Preparation	Soft copy	5.2	iii		750000	Reimbursement will be made after submission of the final Geological Report in soft copy to NMEDT		750000
G	Peer review Charges		As per EC decision	30,000		30000			30000
H	Preparation of Exploration Proposal	Soft copy	5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		500000	Reimbursement 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.		374466
I	Total Estimated Cost without GST					29114186			19877754
J	Provision for GST (18% of J)					5240553	GST will be reimburse as per actual and as per notified prescribed rate		3577996
	Total Estimated Cost with GST					34354739			23455750.00

				Rs. In Lakhs		343.55			234.56
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Cost Estimate for Reconnaissance Survey (G4) of Zn and associated Critical Minerals in Kalsans–Reechhra Area District Bhilwara, Rajasthan .
Area: 24.5 sq.km, Total Drilling: 300 m, BH:2, Total Duration: 10 months, Review after: 4 & 8 months.

								PSC Approved	
1	Geological Mapping (1:12,500)								
a	Large Scale (LSM) Geological Mapping	1.1	per sq km	24.5	18300	448350		24.5	448350
b	Charges for one Geologist per day at HQ	1.2.1a (a)	per day	30	10500	315000		30	315000
c	Charges for one Geologist per day in field (without labour)	1.2.1a(b)	per day	90	14500	1305000		90	1305000
d	Labour Charges (Geologist)	5.8		180	556	100080	As per rates prescribed by Central Labour Commission rates or respective State Govt. whichever is higher	180	100080
e	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.	1.2.1b	per day	25	7850	196250		23	180550
f	Labour for sampler (4)	5.8		100	556	55600	As per rates prescribed by Central Labour Commission rates or respective State Govt.	92	51152
	Sub Total: 1					2420280			2400132
2	Survey work								
a	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	1.3.2	Per point of observation	2	24000	48000		2	48000
	Sub Total: 2					48000			48000
3	Trenching/Pitting								
a	Pitting	2.1.2	per cu.m	50	4725	236250		50	236250
b	Trenching	2.1.1	per cu.m	100	4125	412500		100	412500
	Sub Total: 3					648750			648750
4	Core Drilling (Outsourced)								
a	Drilling	2.2.1.1d	Per m	300	10000	3000000		300	3000000

b	Land/Crop Compensation	5.6	Per BH	2	30000	60000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole	2	60000
c	Borehole plugging by cement	2.2.8	Per BH	2	10000	20000		2	20000
d	Drill Core Preservation	5.3	Per m	50	1590	79500		50	79500
	Sub Total :4					3159500			3159500
5	Laboratory Study								
	Chemical Analysis								
a	Major oxides (WD XRF)- (oxides+ traces - 24 elements)	4.1.17a	Per Sample	150	4200	630000	BRS-20, CS-30, TS-100	150	630000
	External Check (10%)	4.1.17a	Per Sample	15	4200	63000		15	63000
b	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)	4.1.15	Per Sample	30	7400	222000		30	222000
	External Check (10%)	4.1.15	Per Sample	3	7400	22200		3	22200
	Sub Total : 5					937200			937200
6	Petrological studies								
a	Preparation of polished thin section of rock/ wafer	4.3.2	Per Sample	10	800	8000		10	8000
b	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo microgrphs)	4.3.4	Per Sample	10	2800	28000		10	28000
c	Bulk Density	4.8.3	Per Sample	2	2500	5000		2	5000
	Sub Total: 6					41000			41000
	Total (1 to 6)					7254730			7234582
	Cost of Outsourced Components					3000000			3000000
	Tendering Cost				5.9	60000			60000
	Technical Supervision charge				6	300000			300000
	Total					7614730			7594582
7	Preparation of Exploration Proposal	5.1				152295			151892
8	Geological Report Preparation	5.2(ii)				250000			250000
9	Peer Review charge	As per EC				30000			30000

	GRAND TOTAL	8047025			8026474
	GST @ 18%	1448464			1444765
	Grand Total Including GST	9495489			9471239
	Rs. In Lakhs	94.95			94.71

Cost Estimate for Reconnaissance survey (G4) for Bauxite and associated minerals in Reladiya-Raydhanjar area, Kachchh District, Gujarat
Area:15 sq. km, Drilling: 200 m; BH:8; Schedule timeline- 10 months, Review: After 4 months and 8 months

S. No.	Item of Work *	Unit *	Rates as per NMET SoC		Estimated Cost of the		Remarks	PSC Approved	
			SoC-Item No. *	Rates as per SoC * (a)	Qty. (b)	Total Amount (Rs) (a*b)		Qty.	Total Amount
A	Geological Mapping Other Geological Work & Surveying								
1	Geological mapping, (1:12,500)	Per Sq.Km.	1.1	18,300	15.00	274500		15.00	274500
2	Charges for one Geologist per day in field (without labour)	day	12.1a(b)	14,500	90	1305000		90	1305000
3	Charges for engaging skilled, semiskilled and unskilled workers for attending work associated with the mineral exploration project in the field/camp/HQ.		5.8	556	180	100080		180	100080
4	Charges for one Geologist per day at HQ	day	1.2.1a(a)	10500	30	315000		30	315000
5	Charges for one Sampler per day	day	1.2.1b	7850	11	86350		9	70650
6	Labours for sampler (4 Nos)		5.8	556	44	24464		36	20016
	Sub Total- A					21,05,394			20,85,246
B	Survey work- Outsource								
1	DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24,000	8	1,92,000	8 BH	8	1,92,000
	Sub-Total B					1,92,000			1,92,000
C	DRILLING - Outsource								
1	Drilling	Per m	2.2.1.1c	5,500	200	11,00,000		200	1100000
2	Drill core Preservation	Per m	5.3	1,590	100	1,59,000		100	159000
3	Land / Crop Compansation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	8	2,40,000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole	8	240000
4	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	8	16,000		8	16000
	Sub Total C					15,15,000			15,15,000
D	LABORATORY STUDIES								
	Geochemical Studies								
1	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per Sample	4.1.17a	4,200	50	2,10,000	BRS-10+Drill core-40	50	2,10,000
2	External (10%) Check samples	Per Sample	4.1.17a	4,200	5	21,000		5	21,000
3	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	7,400	20	1,48,000		20	1,48,000
4	External (10%) Check samples	Per Sample	4.1.15	7,400	2	14,800		2	14,800
5	Combined determination of Trihydrate Alumina (THA-140 C) Monohydrate Alumina (MHA-240 C) & Reactive Silica	Per Sample	4.1.19a	7,500	5	37,500		5	37,500
	Physical,Petrological, Mineralogical Studies								
1	Preparation of standard thin section of rock	Per Sample	4.3.1	500	2	1,000		2	1,000
2	Preparation of polished thin section of rock/ wafer	Per Sample	4.3.2	800	3	2,400		3	2,400
3	Complete petrographic /ore microscopic study/mineragrapic report of rock sample (along with 5 nos. digital photo microgrphs)	Per Sample	4.3.4	2,800	5	14,000		5	14,000
4	Bulk density determination	Per Sample	4.8.3	2,500	5	12,500		5	12,500
5	XRD Studies	Per Sample	4.5.2a	4,900	3	14,700		3	14,700
	Sub Total D					4,75,900			4,75,900
	Total Outsource Cost					12,92,000	-		12,92,000
	Total A to D					42,88,294			42,68,146

E	Reimbursement of cost in case of outsourced components of project work (Technical Supervision Cost)	Lumpsum	6			1,29,200	10% of outsourcing cost subject to maximum of 20 lakh & combined cost of component & technical supervision should not exceed per unit cost as per		1,29,200
F	Tendering Process Cost	One time in case of outsourced components of project work	5.9			25,840	2% of the Cost or Rs. 5.0 Lakhs whichever is less		25,840.00
	Total Cost					44,43,334	-	-	44,23,186
G	Geological Report Preparation	soft copy	5.2(iii)			1,50,000			1,50,000
H	Peer review Charges	As per EC decision				30,000			30,000
I	Preparation of Exploration Proposal	soft copy	5.1			88,867			88,463.72
	Total Estimated Cost					47,12,201	-		46,91,650
	Provision for GST					8,48,196	GST will be reimburse as per actual and as per notified prescribed rate		8,44,496.95
	Total Estimated Cost with GST					55,60,397			55,36,147
	Rs. In Lakhs					55.60			55.36

Annexure-12

Cost Estimate for Preliminary Exploration (G3) for Limestone in Mudimanikyam Block, Nalgonda District, Telangana.
Area- 5 sq.km, Drilling: 400m; BH:8; Completion time-10 months, Review after 3 months and 6 months

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2025		Estimated Cost of the Proposal		PSC Approved	
			SoC - Item No. *	Rates as per SoC *	Qty.	Total Amount (Rs)	Qty.	Total Amount (Rs)
				(a)	(b)	(a*b)		
A	Geological Mapping Other Geological Work & Surveying							
i	Geological mapping (1:4000 scale)	Sq.km	1.1	18,300	5	91,500	5	91,500
ii	Charges for Geologist per day (Field) for geological mapping & trenching work, drilling work	day	1.2.1a(b)	14,500	120	17,40,000	120	17,40,000
iii	Charges for Geologist per day (HQ)	day	1.2.1a(a)	10,500	30	3,15,000	30	3,15,000
iv	Labours Charges; Bedrock, Core sampling and preparation of sample	day	5.8	556	240	1,33,440	240	1,33,440
v	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	31	2,43,350	28	2,19,800
vi	Labours (4 Nos)	day	5.8	556	124	68,944	112	62,272
vii	a. Charges of Surveyor (1 party) for Geophysical survey layout work & Block boundary demarcation	one surveyor per day	1.3.1	10,500	30	3,15,000	30	3,15,000
viii	b. DGPS Survey for BH fixation & RL determination	Per Point of observation	1.3.2	24000	12	2,88,000	12	2,88,000
ix	c. Labours Charges for survey work	day	1.5.2	556	120	66,720	120	66,720
	SubTotal A					32,61,954		32,31,732
B	DRILLING							
i	Drilling (In-house)	Per m	2.2.1	5,500	400	22,00,000	400	22,00,000
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	Per BH	5.6	30,000	8	2,40,000	8	2,40,000
iii	Construction of concrete Pillar (12"x12"x30")	Per borehole	2.2.7	2,000	8	16,000	8	16,000
iv	Borehole Plugging by cement	Per borehole	2.2.8	10,000	8	80,000	8	80,000
v	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach Road and Drill core preservation)	Drilling cost	2.2.9	0.25		5,50,000		5,50,000
vi	Drill core preservation	Per m	5.3	1590	200	3,18,000	200	3,18,000
	Sub Total B					34,04,000		34,04,000

C	LABORATORY STUDIES							
1	Chemical Analysis							
i	Major oxides (WD XRF) - (oxides + traces -24 elements)	Per Sample	4.1.17a	4200	220	9,24,000	220	9,24,000
ii	External Check (10%)	Per Sample	4.1.17a	4200	22	92,400	22	92,400
2	Physical & Petrological Studies							
a	Preparation of thin section	Per sample	4.3.1	500	5	2,500	5	2,500
b	Study of thin section	Per sample	4.3.4	2800	5	14,000	5	14,000
c	Bulk Density	Per sample	4.3.1	2500	8	20,000	8	20,000
	Sub Total C					10,52,900		10,52,900.00
	Total A to C					77,18,854		76,88,632.00
D	Geological Report Preparation	Soft copy	5.2	5.2		2,50,000		2,50,000.00
E	Peer review Charges					30000		30,000.00
F	Preparation of Exploration Proposal		5.1	2% of the Cost or Rs. 5.0 Lakhs whichever is less		1,54,377		1,53,773.00
	Total Estimated Cost without GST					81,53,231		81,22,405.00
	Provision for GST (18%)					14,67,582		14,62,033.00
	Total Estimated Cost with GST					96,20,813		95,84,438.00
	Say Rs. In Lakhs					96.21		95.84

Cost Estimate for Preliminary Exploration (G3) for Aluminous Laterite, Titanium, Vanadium and Associated Critical Minerals In Mudbiwadi block, Bidar District, Karnataka.
Area- 3 sq.km, Drilling: 150 m; BH: 5 BHs; Timeline:10 months, Review After 4 months and 8 months

S. No.	Item of Work *	Unit *	Rates as per NMET SoC 2025		Estimated Cost of the Proposal		Remarks	PSC Approved	
			SoC-Item No.	Rates as per SoC (a)	Qty. (b)	Total Amount (Rs) (a*b)		Qty.	Total Amount (Rs)
A	Geological Mapping Other Geological Work & Surveying								
i	Geological mapping, (1:4000 scale)	Sq.km	1.1	18300	3	54,900		3	54,900
ii	Charges for one Geologist per day in field (without labour)	per day	1.2.1a(b)	14500	120	17,40,000		120	17,40,000
iii	Charges for Geologist per day (HQ)	per day	1.2.1a(a)	10500	30	3,15,000		30	3,15,000
iv	Labours Charges for field work	Day	5.8	556	240	1,33,440		240	1,33,440
v	Charges for one Sampler per day (1 Party)	one sampler per day	1.2.1b	7,850	34	2,66,900		31	2,43,350
vi	Labours Charges for field work	Day	5.8	556	136	75,616		124	68,944
	Sub Total-A					25,85,856			25,55,634
B	Survey Work								
i	DGPS Survey and for BH fixation & RL determination (5 BH plus 6 Boundary points)	Per Point of observation	1.3.2	24000	11	2,64,000	BH:5 and Cardinal points:6	11	2,64,000
ii	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.	per day	1.3.1	10500	30	315000	For Topographical survey	30	3,15,000
iii	Labours Charges for sampler(4)		5.8	556	120	66,720		120	66,720
	Sub Total- B					6,45,720			6,45,720
C	Pitting/Trenching								
i	Pitting	per cu.m	2.1.2	4725	50	2,36,250		50	2,36,250
	Sub Total- C					2,36,250			2,36,250
D	Drilling								
i	Drilling (In-house)	per m	2.2.1.1c	5,500	150	8,25,000		150	8,25,000
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	5	1,50,000	As per actuals as certified by local authorities subject to a maximum of 30,000 per bore hole	5	1,50,000
iii	Construction of concrete Pillar (12"x12"x30")	per BH	2.2.7	2,000	5	10,000		5	10,000
iv	Borehole plugging by cement	per BH	2.2.8	10,000	5	50,000		5	50,000

v	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	0.25		2,06,250			2,06,250
vi	Core preservation	per m	5.3	1590	75	1,19,250		75	1,19,250
						Sub Total- E	13,60,500		13,60,500
E	LABORATORY STUDIES								
1	Chemical Analysis								
i	Major oxides (WD XRF)- (oxides+traces -24 elements)	Per Sample	4.1.17a	4,200	220	9,24,000	BRS-20, CS-150, TS- 50	220	9,24,000
ii	External Check (10%)	Per Sample	4.1.17a	4,200	22	92,400		22	92,400
iii	Analysis of one rock/ soil sample for quantitative analysis of 14 REE elements + 9 trace element(U,Ta,Ge,Be,Sn,As,Rb,Th,Ga) by ICP-MS(sequential technique)	Per Sample	4.1.15	7,400	25	1,85,000		25	1,85,000
iv	External Check (10%)	Per Sample	4.1.15	7,400	3	22,200		3	22,200
2	Physical & Petrological Studies								
i	Preparation of polished thin section of rock/ wafer	Per Sample	4.3.2	800	5	4,000		5	4,000
ii	Study of polished thin section	Per Sample	4.3.4	2800	5	14,000		5	14,000
						Sub Total F	12,41,600		12,41,600
						Total A to F	60,69,926		60,39,704
F	Geological Report Preparation	Soft Copy	5.2			2,50,000			2,50,000
G	Peer review Charges	As per EC decision				30,000			30,000
H	Preparation of Exploration Proposal	One time	5.1		2% of the Cost or Rs. 5.0 Lakhs whichever is less	1,21,399			1,20,794
						Total Estimated Cost without GST	64,71,325		64,40,498
						Provision for GST (18%)	11,64,838		11,59,290
						Total Estimated Cost with GST	76,36,163		75,99,788
						Say Rs. in Lakhs	76.36		76.00

Annexure-14								
Reconnaissance Exploration (G4 Stage) for Tin & Niobium and associated minerals in Shankarpur area, Balrampur district, Chhattisgarh								
Drilling 300m Scout boreholes: 5BH, Total area: 37.7 sq km, Period of Completion: 10 months, Review - After 4 and 8 months								
			Rates as per NMET SoC		Estimated Cost of the Proposal		PSC Approved	
S.	Item of Work *	Unit *	SoC-	Rates as per SoC *	Qty.	Total Amount (Rs)	Remarks	Qty.
No.			Item No.*					Total Amount (Rs)
A	Geological Mapping and Other Geological Work							
a.	Geological mapping, (1:12,500 scale), Satellite imagery/Aerial photo interpretation, Trenching/pitting and sampling (BRS/PCS/Chip/Grab/Soil/SSS)	per Sq Km	1.1	₹ 18,300.00	37.7	₹ 6,89,910.00		₹ 6,89,910.00
b.	Charges for Geologist per day (Field) for geological mapping with Sampling	day	1.2.1a	14500	100	1450000		₹ 14,50,000.00
c.	Labours Charges	day	5.8	556	200	111200		₹ 1,11,200.00
d.	Charges for Geologist per day (HQ)	day	1.2.1a	10500	30	315000		₹ 3,15,000.00
e.	Sampler Charges	Days	1.2.1b	7850	45	353250		₹ 2,98,300.00
f.	Labour	Days	5.8	556	180	100080		₹ 84,512.00
g.	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	5	120000	5 Borehole	₹ 1,20,000.00
	Sub Total- A					₹ 31,39,440.00		₹ 30,68,922.00
B	Trenching/Pitting							
	Excavation of Trenches upto 2.0 m depth	per cu.m	2.1.1	4125	150	618750		₹ 6,18,750.00
	Sub Total- B					618750		618750
C	Drilling(In House)							
a.	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%	Per m	2.2.1.1d	10000	300	3000000		₹ 30,00,000.00
b.	Construction of concrete Pillar (12"x12"x30")	Per borehole	2.2.7	2000	5	10000		₹ 10,000.00
c.	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach road.	Lumpsum	2.2.9			750000		₹ 7,50,000.00
d.	Land Crop compensation	Per borehole	5.6	30000	5	150000		₹ 1,50,000.00
e.	Drill Core Preservation	Per m	5.3	1590	100	159000		₹ 1,59,000.00
f.	Borehole plugging by cement	Per borehole	2.2.8	10000	5	50000		₹ 50,000.00
	Sub-Total- C					4119000		4119000
E	LABORATORY STUDIES							
a.	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) with 10 % External Check	Per Sample	4.1.15	7400	150	1110000	Quantum is dynamic and can be modified based on encouraging chemical results	₹ 11,10,000.00
b.	Check samples (10%)	Per Sample	4.1.15	7400	15	111000		₹ 1,11,000.00
c.	Major oxide (WD XRF) - (oxides+Traces - 24 elements)	Per samples	4.1.17a	4200	150	630000	Quantum is dynamic and can be modified based on encouraging chemical results	₹ 6,30,000.00
d.	Check samples (10%)	Per samples	4.1.17a	4200	15	63000		₹ 63,000.00
	Sub Total- E					1914000		1914000
F	Physical & Petrological Studies							
a	Preparation of standard thin section of rock	Nos.	4.3.1	500	10	5000		₹ 5,000.00
ii	Complete petrographic /ore microscopic study/mineragraphic report of rock sample (along with 5 nos. digital photo micrographs)	Nos.	4.3.4	2800	10	28000		₹ 28,000.00
	Mineral Physics Study							₹ 0.00
	XRD study	per Sample	4.5.2	4000	20	80000		₹ 80,000.00
	EPMA	Per Hours	4.4.1	10500	10	105000		₹ 1,05,000.00
	Subtotal -F					218000		218000
	Total A to F					₹ 1,00,09,190.00		₹ 99,38,672.00

	Preparation of Exploration Proposal	soft copy	5.1			₹ 2,00,183.80	2% of approved project cost or 5 lakh whichever is lower		₹ 1,98,773.44
	Geological Report Preparation	soft copy	5.2			250000			₹ 2,50,000.00
	Peer Review					30000			₹ 30,000.00
	Total Estimated Cost without GST					₹ 1,04,89,373.80			₹ 1,04,17,445.44
	Provision for GST (18% of I)					₹ 18,88,087.28			₹ 18,75,140.18
	Total Estimated Cost with GST					₹ 1,23,77,461.08			₹ 1,22,92,585.62
	Total Estimated Cost with GST IN Lakhs					₹ 123.77			₹ 122.93

**Reconnaissance Survey (G4-stage) for Vanadium & Titanium in Aluminous Laterite in Kottur Area , Sangareddy District, Telangana. Total Block Area- 66 sq.km, Completion time- 10 months, Review 4 & 8 months;
Drilling 150 m in 5 BHs (30 m each)**

S. No.	Item of Work *	Unit *	Rates as per NMET		Estimated Cost of the		Remarks	PSC Approved	
			SoC-Item No.	Rates as per SoC	Qty	Total Amount (Rs)		Qty	Total Amount (Rs)
A	Geological Mapping Other Geological Work & Surveying								
i	Geological Mapping (on 1:12,500 Scale)	Sq.km	1.1	18,300	66	12,07,800		66	1207800
ii	Charges for Geologist per day (Field) for geological mapping & trenching work	day	1.2.1a	14,500	120	17,40,000		120	1740000
iii	Charges for Geologist per day (HQ)	day	1.2.1a	10,500	30	3,15,000		30	315000
iv	Labours (Field) for one Geologist	Per day	5.8	556	240	1,33,440		240	133440
v	Charges for one Sampler per day (1 Party)	day	1.1.1b	7,850	35	2,74,750		32	251200
vi	Labours (Field) for (Total 4 Nos i.e 2 workers per one Geologist)	Per day	5.8	556	140	77,840		128	71168
	Sub Total-A					37,48,830			37,18,608
B	Survey Work								
i	DGPS Survey and for BH fixation & RL determination (5BH)	Per Point of observation	1.3.2	24,000	5	1,20,000		5	120000
	Sub Total- B					1,20,000			1,20,000
C	Pitting/Trenching								0
i	Pitting	per cu.m	2.1.2	4,725	50	236250		50	236250
	Sub Total- C					2,36,250			2,36,250
D	Drilling								
i	Drilling (In-house)	per m	2.2.1.1c	5,500	150	8,25,000	5 BHs 30 m each	150	825000
ii	Land / Crop Compensation (in case the BH falls in agricultural Land)	per BH	5.6	30,000	5	1,50,000		5	150000
iii	Construction of concrete Pillar (12"x12"x30")	Per borehole	2.2.7	2,000	5	10,000		5	10000
iv	Borehole plugging by cement	Lum sum per borehole	2.2.8	10,000	5	50,000		5	50000
v	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach Road)	Drilling cost	2.2.9	0.25		2,06,250	1. For Drilling cost less than 50 Lakhs: 25% of the Drilling Cost		206250
vi	Core preservation	m	5.3	1,590	70	1,11,300		70	111300
	Sub Total- D					13,52,550			13,52,550
E	LABORATORY STUDIES								
1	Chemical Analysis								
A	Major oxides (WD XRF)- (oxides+ traces -24 elements)	Per Sample	4.1.17a	4,200	225	9,45,000	PS-50, CS-175,	225	945000
iv	10% External Check Samples	Per Sample	4.1.17a	4,200	23	96,600		23	96600

v	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) with 10 % External Check	Per Sample	4.1.15	7,400	30	2,22,000		30	222000
vi	10% External Check Samples	Per Sample	4.1.15	7,400	3	22,200		3	22200
2	Physical & Petrological Studies								
i	Preparation of polished thin section	Per sample	4.3.2	800	10	8,000		10	8000
ii	Study of thin polished section	Per sample	4.3.4	2,800	10	28,000		10	28000
iii	SEM Studies	Per day	4.4.1a	8,800	2	17,600		2	17600
	Sub Total E					13,39,400			13,39,400
	Total A to E					67,97,030			67,66,808
F	Geological Report Preparation	One time	5.2	Lumpsum		2,50,000			2,50,000
G	Peer review Charges	As per EC decision				30,000			30,000
H	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	One time	5.1	2% of the Cost or Rs. 5.0 Lakhs		1,35,941			135336.16
I	Total Estimated Cost without GST					72,12,971			71,82,144
J	Provision for GST (18% of I)					12,98,335			12,92,786
K	Total Estimated Cost with GST					85,11,306			84,74,930
				Say Rs. In Lakhs		85.11			84.75

Preliminary Exploration (G-3) for Limestone in South east of Shambhunath Ji Ka Kheda Block, Tahsil Rawatbhata District Chittorgarh, Rajasthan
Area: 9.60 sq.km, Drilling 600 m in 12 BHs (50 m each), Timeline- 12 months, Review 4 & 8 months;

S. No.	Item of Work	Unit	Rates as per NMEDT SoC		Estimated Cost of the proposal		Remarks	PSC Approved	
			SoC-Item -SI No.	Rates as per SoC	Qty.	Amount (Rs)		Qty.	Amount (Rs)
A	GEOLOGICAL WORK								
1	Detailed Geological Mapping (1:4000)	per sq.km	1.1	18300	9.6	175680		9.6	175680
i	Charges for Geologist- Field	day	1.2.1a(b)	14,500	90	1305000		90	1305000
ii	Charges for one Geologist - HQ	day	1.2.1a (a)	10,500	30	315000		30	315000
iii	Labours Charges; Base rate	day	5.8	556	180	100080		180	100080
2	Samples Preparation								0
i	Charges for one Sampler per day	one sampler per day	1.2.1b	7,850	37	290450		30	235500
ii	Labours (4 Nos)	day	5.8	556	148	82288		120	66720
3	Survey								
i	Charges for one qualified Surveyor	one surveyor per day	1.3.1	10500	20	210000	Topographical Survey on 1:4000 (2 m contour interval)	20	210000
ii	Labours (4 Nos)	day	5.8	556	80	44480		80	44480
iii	DGPS survey for BH Fixation & RL determination	Per Point of observation	1.3.2	24,000	21	504000	13 BHs and 8 boundary coordinates	21	504000
	Sub Total- A					30,26,978	-		29,56,460
B	DRILLING								
i	Drilling (In-House) : upto 400m Depth (Soft Rock)	m	2.2.1.1c	5,500	650	3575000		600	3300000
ii	Land / Crop Compansation	per BH	5.6	30,000	13	390000		12	360000
iii	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7	2,000	13	26000		12	24000
iv	Borehole plugging by cement	Per Borehole	2.2.8	10,000	13	130000		12	120000
v	Miscellaneous Charges (Transportation of Drilling Rig, Accommodation for Drill Camp, Camp setting and winding, construction of Approach Road)	Lumsum	2.2.9		1	8,93,750.00		1	825000
ix	Core Preservation: One complete borehole plus mineralised cores of all the remaining Bhs	m	5.3	1,590	250	397500		230	365700
	Sub Total- B					54,12,250			49,94,700
C	LABORATORY STUDIES								
1	Chemical Analysis								
i	Primary & Check samples for Limstone								
	a. Major Oxides (WD XRF) - (Oxides+ Trace 24 elements)	Nos	4.1.17a	4,200	260	1092000	Core sample- 250/ 230, BRS 10	240	1008000
	b. External Check (10%)	Nos	4.1.17a	4,200	26	109200		24	100800
2	Physical & Petrological Stusies								0
i	Preparation of polished thin section	Nos	4.3.2	800	5	4000		5	4000
ii	Complete petrographic study report	Nos	4.3.4	2,800	5	14000		5	14000
vi	Bulk Density	Nos	4.8.3	2,500	10	25000		10	25000

	Sub Total- C				1244200			1151800
D	Total A to C				96,83,428			91,02,960
E	Geological Report Preparation	soft copy	5.2.(ii)	exploration with cost of work exceeding Rs. 50 lakhs but less than Rs 150 Lakhs = 2.5 Lakh	2,50,000			2,50,000
F	Peer review Charges		As per EC decision		30,000			30,000
G	Preparation of Exploration Proposal (soft copy)	soft copy	5.1	2% of the Cost or Rs. 5 Lakhs whichever is lower	1,93,669			1,82,059.00
H	Total Estimated Cost without GST				1,01,57,097			95,65,019
I	Provision for GST (18% of H)				18,28,277			17,21,703
J	Total Estimated Cost with GST				1,19,85,374			1,12,86,722