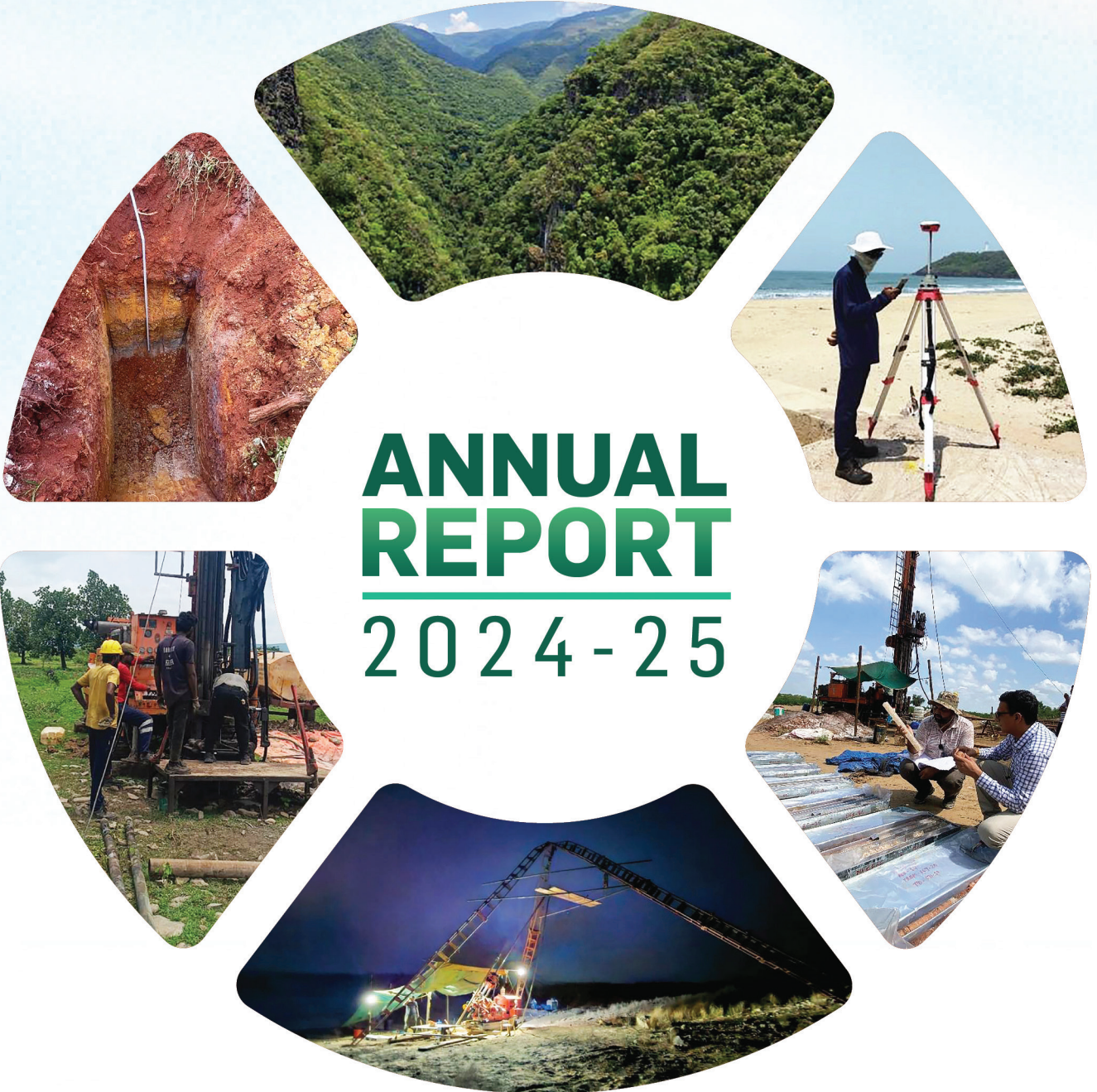




खान मंत्रालय  
MINISTRY OF  
MINES



# ANNUAL REPORT

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## 2024-25

**NATIONAL MINERAL EXPLORATION TRUST**

(An autonomous body under aegis of Ministry of Mines)



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## NATIONAL MINERAL EXPLORATION TRUST: AN OVERVIEW

In exercise of powers conferred by Section 9C of the Mines and Minerals (Development & Regulation) Act, 1957, the Central Government established the National Mineral Exploration Trust (NMET) by Gazette notification dated 14th August, 2015. The Central Government framed the National Mineral Exploration Rules, 2015, to boost regional and detailed exploration of minerals and related activities. The Trust receives contributions from Mining Leases and Prospecting Licence-cum-Mining Lease holders through State Governments. The receipt to NMET is equivalent to 2% of the royalty paid on minerals under the Second Schedule to the MMDR Act, 1957. The NMET Notification, NMET Rules 2015 and the NMET Amendment Rules, 2018 can be accessed at <https://nmet.gov.in/>.

## OUR VISION

To enhance regional and detailed exploration activities for the growth and development of the mineral sector in India.

## OBJECTIVES AND FUNCTIONS

- To take up regional and detailed exploration, giving priority particularly to strategic and critical minerals.
- To fund special studies and projects designed to identify, explore, extract, beneficiate and refine deep-seated or concealed mineral deposits.
- To facilitate completion of brown-field regional exploration projects in Obvious Geological Potential (OGP) areas including conducting high-risk exploration for deep-seated mineral deposits through modern technologies.
- To promote detailed exploration (G2 and G1) across India in the areas where G3 stage exploration has been completed.
- To facilitate ground and aerial geophysical surveys and geochemical surveys of OGP areas and rest of India.
- To facilitate a national core repository for encouraging research in earth sciences and the evaluation of mineral prospects.
- To organize capacity building programmes for raising technical capability of personnel engaged in exploration.

## STRUCTURE OF NATIONAL MINERAL EXPLORATION TRUST

The National Mineral Exploration Trust (NMET) operates under a two-tier structure comprising of the Governing Body (GB) and Executive Committee (EC) to ensure effective governance and utilization of funds for mineral exploration.

### GOVERNING BODY

The Governing Body, chaired by the Hon'ble Union Minister of Mines, is the apex decision-making authority of NMET. Secretary, Ministry of Mines, is Convener of the Governing Body. The overall control, periodical reviews and policy directions of NMET are vested with the Governing Body.

### FUNCTIONS OF GOVERNING BODY

- To lay down the broad policy framework for the functioning of NMET and review its working.
- To approve the annual plan and annual budget of NMET upon the recommendation of Executive Committee.
- The members of Governing Body are ex-officio members.
- The Governing Body convenes its meetings annually.

During FY 2024-25, the following were members of the Governing Body:

S. No.	Members
1	Shri Pralhad Joshi, Hon'ble Union Minister of Coal and Mines, Chairman, <i>ex-officio</i> (upto 10.06.2024) Shri G. Kishan Reddy, Hon'ble Union Minister of Coal & Mines, Chairman, <i>ex-officio</i> (from 11.06.2024)
2	Shri Hardeep Singh Puri, Hon'ble Union Minister of Petroleum and Natural Gas Member, <i>ex-officio</i>
3	Dr. Jitendra Singh, Hon'ble Minister of State for Atomic Energy, Member, <i>ex-officio</i>
4	Shri Rao Sahib Patil Danve, Hon'ble Minister of State for Mines, Member, <i>ex-officio</i> (upto 10.06.2024) Sh. Satish Chandra Dubey, Hon'ble Minister of State for Coal & Mines, Member <i>ex-officio</i> (from 11.06.2024)
5	Shri Bhupendra Patel, Hon'ble Chief Minister & Minister of Industries & Mines Government of Gujarat, Member, <i>ex-officio</i> (upto 14.10.2024) Shri Hemant Soren, Hon'ble Chief Minister & Minister of Department of Mines & Geology, Government of Jharkhand, Member, <i>ex-officio</i> (from 15.10.2024)
6	Shri P. Ramachandra Reddy, Hon'ble Minister of Mines & Geology, Government of Andhra Pradesh, Member, <i>ex-officio</i> (upto 14.10.2024) Dr. Mohan Yadav, Hon'ble Chief Minister & Minister In-charge of Mineral Resources Department, Government of Madhya Pradesh, Member, <i>ex-officio</i> ( from 15.10.2024)



7	Shri Jogen Mohan, Hon'ble Minister of Mines & Mineral Department, Government of Assam, Member, <i>ex-officio</i> (upto 14.10.2024) Shri Bhajan Lal Sharma, Hon'ble Chief Minister & Minister of Mines & Petroleum Government of Rajasthan, Member, <i>ex-officio</i> (from 15.10.2024)
8	Shri Achar Halappa Basappa, Hon'ble Minister of Mines & Geology, Government of Karnataka, Member, <i>ex-officio</i> (upto 14.10.2024) Shri Anumula Revanth Reddy, Hon'ble Chief Minister & Minister of Mines Government of Telangana, Member, <i>ex-officio</i> ( from 15.10.2024)
9	Shri Bhupesh Baghel, Hon'ble Chief Minister & Minister of Mining, Government of Chhattisgarh, Member, <i>ex-officio</i> (upto 14.10.2024) Shri Shambhuraj Vijayadevi Shivajirao Desai, Hon'ble Minister In-charge of Mining & Tourism, Government of Maharashtra, Member, <i>ex-officio</i> (from 15.10.2024)
10	Shri Prafulla Kumar Mallik, Hon'ble Minister of Steel & Mines, Government of Odisha, Member, <i>ex-officio</i> (upto 14.10.2024) Shri Bibhuti Bhusan Jena, Hon'ble Minister of Commerce & Transport, Steel & Mines, Government of Odisha, Member, <i>ex-officio</i> (from 15.10.2024)
11	Shri V. L. Kantha Rao, Secretary, Ministry of Mines Convener, <i>ex-officio</i>
12	Shri Dheeraj Pande, Director, AMD, Hyderabad <i>Special invitee</i>
13	Shri Kaustav Nag, ADG (Exploration), DGH <i>Special invitee</i>
14	Shri Sanjay K. Lale, Chief Technical Officer to DG, DGH <i>Special invitee</i>
15	Shri Yogendra Singh Bhamboo, Director (Tech.), Ministry of Mines <i>Invitee</i>
16	Shri Asit Saha, DG, GSI <i>Invitee</i>
17	Shri Indra Dev Narayan, CMD, MECL <i>Invitee</i>
18	Dr. S. Ravi, Dy. DG, SU: Karnataka, GSI <i>Invitee</i>
19	Shri Debkumar Bhattacharya, Dy. DG, RSAS, Bangalore <i>Invitee</i>

## EXECUTIVE COMMITTEE

The Executive Committee of NMET is responsible for overseeing the Trust's activities, ensuring efficient fund utilization and implementing the decisions made by the Governing Body. The Executive Committee of NMET is chaired by Secretary, Ministry of Mines. The Joint Secretary in charge of NMET is Member Secretary of the Trust.

## FUNCTIONS OF EXECUTIVE COMMITTEE

- To manage, administer and supervise the activities of NMET.
- To formulate and finalize the scheme for the delegation of financial powers.
- Sanction and implementation of the projects upon the receipt of project proposal/s from a State Government/ Central and State Agencies, PSUs or any private sector entities on the recommendation of TCC.
- The Executive Committee may constitute committees or sub-committees to undertake such tasks as assigned or delegated by the Executive Committee to such committees or sub-committees.
- The Executive Committee may devise its procedures consistent with the Act for faster implementation of the projects.

During FY 2024-25, the following were the members of the Executive Committee:

S. No.	Members
1	Sh. V. L. Kantha Rao, Secretary, Ministry of Mines Chairman, <i>ex-officio</i>
2	Dr. B. Sarvanan, Director, Atomic Mineral Directorate, Department of Atomic Energy Member, <i>ex-officio</i> (upto 30.04.2024) Sh. Dheeraj Pande, Director, Atomic Mineral Directorate, Department of Atomic Energy, Member, <i>ex-officio</i> (from 1.05.2024)
3	Sh. Anandji Prasad, Advisor, Ministry of Coal (upto 20.01.2025) Member, <i>ex-officio</i> Smt. Rupinder Brar, Additional Secretary, Ministry of Coal, Member, <i>ex-officio</i> / Sh. Ashish Kumar, Advisor, Ministry of Coal (from 21.01.2025) Member, <i>ex-officio</i>
4	Sh. Vinod Seshan, Joint Secretary, Ministry of Petroleum and Natural Gas Member, <i>ex-officio</i>
5	Smt. Nirupama Kotru, Joint Secretary & Financial Advisor, Ministry of Mines & Coal Member, <i>ex-officio</i>
6	Sh. Janardan Prasad, Director General, GSI (upto 26.07.2024) Member, <i>ex-officio</i> Sh. Asit Saha, Director General, GSI (from 27.07.2024) Member, <i>ex-officio</i>



7	Sh. Sanjay Lohiya, Additional Secretary, Ministry of Mines & CG, IBM Member, <i>ex-officio</i> (upto 03.12.2024) Sh. P. N. Sharma, Controller General, Indian Bureau of Mines Member, <i>ex-officio</i> (from 04.12.2024 )
8	Sh. Raghwendra Pratap Singh, Principal Secretary, Government of Madhya Pradesh State Representative, Member (upto 11.11.2024) Sh. Umakant Umrao, Principal Secretary, Government of Madhya Pradesh State Representative, Member (from 12.11.2024)
9	Dr. T. R. K. Rao, Director General, DGM, Government of Maharashtra State Representative
10	Sh. Sandesh Nayak, Director, Government of Rajasthan State Representative, Member
11	Smt. Pooja Kulkarni IAS, Commissioner (Geology & Mining), Government of Tamil Nadu, State Representative, Member (upto 14.06.2024) Sh. E. Saravanavelraj, IAS, Commissioner (Geology & Mining) Government of Tamil Nadu, State Representative, Member (from 15.06.2024)
12	Sh. Sanjay Lohiya, Additional Secretary, Ministry of Mines Member Secretary, <i>ex-officio</i> (upto 03.11.2024) Sh. Vivek Kumar Bajpai, Joint Secretary, Ministry of Mines Member Secretary, <i>ex-officio</i> (from 04.11.2024 )
13	Sh. Naresh Nautiyal (Retd.), Head (BD&P), MECL Technical Expert
14	Sh. Alok Sharma (Retd.), GM & HoD (Exploration), CMPDIL Technical Expert
15	Dr. L.S. Shekhawat, DDG (Retd.), GSI Technical Expert
16	Dr. Yamuna Singh, Scientist-H (Retd.), AMD Technical Expert
17	Dr. Sahendra Singh, Professor, IIT (ISM), Dhanbad Technical Expert
18	Dr. S. Ravi, Dy. Director General, GSI & Chairman, TCC-I, Invitee
19	Sh. Pradeep Singh, Dy. Director General, GSI & Chairman, TCC-II, Invitee (from 09.09.2024)

## TECHNICAL EVALUATION OF PROJECTS

The Technical-cum-Cost Committee (TCC) assesses the technical feasibility and cost effectiveness of project proposals submitted by various exploration agencies. The TCC comprises experts from Central and State Government organizations and recommends suitable proposals to the Executive Committee for approval.

During the year, a second Technical cum Cost Committee, called TCC-II, was constituted. The existing Technical cum Cost Committee of NMET constituted vide O.M. 6/4/2015, NMET/218, dated 18<sup>th</sup> September 2023, was renamed as TCC-I. The jurisdiction of TCC-I and TCC-II is as follows: -

S. No.	Names of States & Agencies
TCC-I	Tamil Nadu, Kerala, Karnataka, Telangana, Andhra Pradesh, Chhattisgarh, Odisha, Maharashtra, Goa, all procurement of Central agencies
TCC-II	Rajasthan, Madhya Pradesh, Gujarat, Jharkhand, Bihar, Uttar Pradesh, West Bengal, Haryana, Himachal Pradesh, Uttarakhand, Punjab, Jammu & Kashmir, Ladakh, all North-eastern States

## COMPOSITION OF TECHNICAL-CUM-COST COMMITTEE- I

S. No.	Members
1	Dr. S. Ravi, Dy. Director General, GSI & Chairman, TCC-I
2	Shri I. R. Kirmani, Addl. Director General (Retd.), GSI
3	Shri Hemraj Suryavanshi, Addl. Director General (Retd.), GSI
4	Shri K. Koteswara Rao, Dy. Director General (Retd.), GSI
5	Shri S. K. Adhikari, Chief Mining Geologist, IBM, Nagpur
6	Shri S. K. Kulshrestha, Dy. Director General, GSI
7	Dr. E. V. S. S. K. Babu, Scientist-H, CSIR-NGRI, Hyderabad
8	Shri K. L. Mundra, Additional Director, Atomic Mineral Directorate
9	Shri A. R. Sengupta, Director (IFD), Ministry of Mines (upto 31.07.2024) Sh. Alok Kumar, Deputy Secretary (IFD), Ministry of Mines (from 01.08.2024)
10	Shri Vivek Kumar Sharma, Director & In-charge of NMET, Ministry of Mines (upto 21.04.2024) Shri Maneesh Kumar, Deputy Secretary & In-charge of NMET, Ministry of Mines (upto 28.05.2024) Smt. Geetika Sharma, Deputy Secretary & In-charge of NMET, Ministry of Mines (from 29.05.2024)
11	Shri P. K. Maharana, GM (Finance), NALCO, Bhubaneswar
12	Shri Ravi Kumar Gupta, ED (Finance), HCL, Kolkata
13	Smt. Vandana, Cost Accounts Officer, RSAS, Bangalore, GSI
14	Shri C. Parthasarathi, Director, GSI (Member Secretary)



## COMPOSITION OF TECHNICAL-CUM-COST COMMITTEE- II

S. No.	Members
1	Shri Pradeep Singh, Dy. Director General, GSI & Chairman, TCC-II
2	Shri B. S Jodha, Dy. D. G (Retired), GSI
3	Shri M. K. Patel, Dy. D. G (Retired), GSI
4	Shri D. S. Jeere, Director, GSI
5	Shri Dilip Kanungo, Chief Ore Dressing officer, IBM
6	Shri T. S. Sunil Kumar, Addl. Director (Retired), AMD
7	Dr. Mrinal Kanti Mukherjee, Associate Professor, IIT-ISM Dhanbad
8	Shri Alok Kumar, Deputy Secretary (IFD), Ministry of Mines
9	Smt. Geetika Sharma, Deputy Secretary & In-charge of NMET, Ministry of Mines
10	Shri P. K. Maharana, GM (Finance), NALCO, Bhubaneswar
11	Shri Ravi Kumar Gupta, ED (Finance), HCL, Kolkata
12	Shri Sunil Kumar Vashisth, GM (Retired), HZL
13	Shri Anoop Kumar, CAO, GSI, CHQ Kolkata
14	Shri Sanjay Singh, Director, GSI (Member Secretary)

## KEY DECISIONS OF GOVERNING BODY



*6th Governing Body meeting held on 12.08.2024*



*Release of Annual Report of NMET for FY 2023-24*



The 6<sup>th</sup> meeting of Governing Body was held on 12<sup>th</sup> August, 2024. Key decisions taken at the meeting are as follows:

- Modifications to the scheme for the engagement of Notified Private Exploration Agencies (NPEAs), allowing the submission of project proposals for the exploration of critical & deep-seated minerals & subsequently for all major minerals other than those mentioned in Part B of the First Schedule of the MMDR Act, 1957 were ratified.
- The Annual Budget for FY 2024-25 was approved & the Annual Report of NMET for FY 2023-24 was released by Hon'ble Chairperson & members of the Governing Body.
- GB was informed that Ministry of Mines is promoting Research and Innovation in Start-ups and MSMEs under the scheme, "Promotion of Research and Innovation in Start-ups and MSMEs in Mining, Mineral Processing, Metallurgy and Recycling Sector (S&T-PRISM)". For the first time in the history of MoM, Start-ups & MSMEs were funded by NMET during FY 2023-24. The proposal for funding 11 of these projects for ₹12.46 Cr from NMET was ratified.
- To provide further impetus to the exploration of minor minerals in the country and encourage all State Governments to set up State Mineral Exploration Trust (SMET), GB approved the proposal to provide a matching grant to State Governments to the extent of 10% of annual collection in the State Mineral Exploration Trust in the current and next two financial years.
- The scheme for partial reimbursement of exploration expenses upto ₹20 crore for the holders of Exploration Licence for exploration of Critical, Strategic and Deep-seated concealed minerals was ratified.
- The revised scheme for partial reimbursement of exploration expenses upto ₹8 crore for holders of Composite Licence granted through auction, for exploration of minerals as specified in Part 'D' of First Schedule and Schedule VII of MMDR Act, 1957 was approved.
- The scheme for the grant of an incentive of ₹20 Lakh to State Governments for auction of Exploration Licences was ratified.
- To expedite exploration in the country, the proposal to provide funding support to MECL for procurement of high-end advanced instruments viz., Hyper Spectral Core Scanner with LIBS, Hyper Spectral Core Scanner with XRF, Gamma Ray Spectrophotometer and WD-XRF for an amount of ₹32.45 Cr was ratified.

## REMARKS OF THE CHAIRPERSON & MEMBERS OF GB

- The Hon'ble Union Minister of Coal and Mines & Chairperson, GB emphasized the need for proper utilization of India's mineral resources to strengthen the mining sector for an Atma Nirbhar Bharat. He urged State Governments to collaborate in the spirit of cooperative federalism and advised NMET to organize workshops for awareness in exploration. Hon'ble Union Minister of Coal and Mines also suggested that private agencies and university students should be trained in each State and suggested opening a unit in the GSI office in every State for brainstorming sessions to encourage mineral exploration.
- The Hon'ble Union Minister of State for Atomic Energy praised NMET's record expenditure of ₹300 crore in FY 2023-24 and hailed the launch of National Critical Mineral Mission in the 2024 budget. He emphasized the need to involve Start-ups in mineral exploration and to expedite the progress of Lithium and Sapphire exploration in J&K. He also appreciated GSI's geospatial data and urged its full utilization.
- It was informed by the Secretary, Mines, that the Sapphire block is ready for auction and can be auctioned by the Union Government upon the request of the UT Administration of J & K. He mentioned that the UT Administration has requested to auction a limestone block by the Ministry of Mines.
- The Hon'ble Union Minister of State for Mines highlighted NMET's role in redefining mineral exploration through various schemes, encouraging private participation and funding support. He commented that the Critical Mineral Mission would increase the production of critical minerals in the country and encourage recycling of these minerals and urged collaboration among agencies to promote innovation and knowledge sharing in mineral exploration.
- The Hon'ble Minister of Mines & Geology, Andhra Pradesh, highlighted the State's rich mineral resources, particularly critical minerals. He informed that global tenders have been invited by the State Government for the identification of critical minerals in the State and sought support from GSI, IBM and NMET for formulation of global tenders. He also expressed interest in exploring seabed minerals like polymetallic nodules and called for amendments in offshore mining rules to safeguard the Coastal States' interests and establish metallurgical refinement facilities along the coast.
- The Hon'ble Minister of Mines & Mineral Department, Assam, complimented NMET for funding mineral exploration projects, noting the completion of three projects and approval of four new ones in the State of Assam. He emphasized the study of oil deposits and locating critical minerals.
- The Hon'ble Minister of Public Health & Family Welfare and Medical Education, Chhattisgarh, mentioned the discovery of a kimberlite pipe for potential diamond mining in the Sonbhadra area of the Korea district. He requested an increase in the SoC rate in LWE-affected areas to 3.35 times from the present rate of 1.25 times. He also appreciated the auction of India's first lithium mine in Chhattisgarh and stressed the need for advanced technology and Start-up involvement in mineral exploration.
- The Hon'ble Minister of Industries, Micro, Small, and Medium Industries, Cottage, Khadi and Rural Industries, Gujarat, announced plans for a specialized laboratory and informed about five new proposals submitted to NMET. He also outlined exploration projects for eight minerals over the next five years.



## KEY DECISIONS OF EXECUTIVE COMMITTEE

During FY 2024-25, 07 meetings of the Executive Committee were conducted, in which EC accorded approval for 162 projects for a cost of ₹739.22 crore. This number includes 128 projects of mineral exploration, 13 projects of financial assistance for procurement of machinery/equipment/software and 21 projects under the S&T PRISM scheme of the Ministry of Mines. The key decisions taken by the Executive Committee are as follows:

- **Approval of Multi-Sensor Aero-geophysical Survey in blocks adjoining OGP blocks 13, 16, 17, 18, 19, 20 & 21**

Multi-sensor Aero-geophysical Survey in blocks adjoining OGP block no. 13, 16, 17, 18, 19, 20 and 21, amounting to ₹196.93 crore, was approved. The purpose of these surveys is to collect high-resolution magnetic and spectrometric data, integrate it with existing geological, geochemical, ground geophysical and satellite data and identify areas of high prospectivity for detailed follow-up investigations and exploration.

- **Financial Support to Procure High-end Equipment/Machinery/ Software**

Procurement of high-end instruments such as Electron Probe Micro Analyzer, Digital Core Logger by GSI, advanced instruments for mineral beneficiation by IBM and State DGMs/DMGs was approved to augment capacity building in mineral exploration activities with an estimated cost of ₹201.98 crore. These instruments will expedite chemical analysis and elemental mapping of minerals and solid materials.

- **Constitution of State-wise committees to monitor the Procurement of Equipment/Machinery/Software**

Committees comprising a Director-level officer from GSI and a faculty member from Universities/IITs/NITs situated in various States were constituted for the States which have been sanctioned projects for procurement of Equipment/Machinery/Software, to monitor the status of procurement and post-procurement utilization. These committees visited the various States and reviewed the procurement. They also provided the required hand-holding to States which are facing issues in procurement.

- **Funding Support for Establishment of Data Processing, Interpretation and Integration Centre (AI Centre) at RSAS, Bengaluru**

Proposal for Phase-1 of Data Processing, Interpretation and Integration Centre (DPIIC) at GSI-RSAS, Bengaluru with a cost, of ₹4.07 crore, was approved on 23.09.2024.

The centre will improve mineral discovery by developing mineral systems protocols and advanced geoscientific models, along with a geospatial data repository. An AI-based search engine and skilled workforce will support data analysis. Exploration outputs and reports will be commercially utilized to attract investments. Predictive AI/ML/DL models will enhance the efficiency of finding hidden mineral deposits while fostering collaboration to optimize cost and time.

Digital India Corporation (DIC) has been appointed on 27.9.2024 as the Project Management Unit (PMU) for setting up the DPIIC within 72 months (24 months for implementation and 48 months for operation and maintenance). An EoI (Expression of Interest) has been published on the CPP portal, with pre-bid meetings conducted and relevant updates (addendum/corrigendum) posted. EoI submissions are due in April 2025, followed by DPR preparation, tendering and implementation.

Once set up, the centre will process, integrate and interpret all the available baseline geoscience databases so that the maximum number of exploration blocks can be identified for further exploration.

- **Promoting Research and Development Activity**

To promote research in the mineral sector, 21 R&D projects under the S&T PRISM scheme of the Ministry of Mines have been sanctioned for ₹27.24 crore.

- **Formulation of SoP for Delineating Coal Seams by Geophysical Studies**

A committee was constituted to formulate an SoP to carry out geophysical studies for delineating coal seams so that the timeline for coal exploration can be reduced and the exploration can be expedited. The committee submitted its report on 11.03.2025.

- **Uploading of Project Data in NGDR Portal**

NMET has ensured that all the Geological Reports and related data, like boundary shape files, map shape files, analytical data, drill core data, etc., of NMET funded completed projects are uploaded in the NGDR portal for ease of access to exploration data by all the stakeholders. Further, the release of the final payment to the exploration agencies has been linked with the uploading of reports in the NGDR portal.

An amount of ₹0.81 crore was sanctioned to MECL as incentive for upgradation of 04 mineral exploration blocks from G4 to G3 stage of investigation, under the existing NMET scheme for providing incentive of 25% of the approved cost of the project for G4 items in Greenfield areas for gold, base metals, other precious minerals, strategic/critical minerals and fertilizer minerals.

## **TECHNICAL-CUM-COST COMMITTEES (TCCs)**

Nineteen meetings of TCC-I (64<sup>th</sup> to 75<sup>th</sup>) & TCC-II (1<sup>st</sup> to 7<sup>th</sup>) were held during FY 2024-25, in which around 146 project proposals were evaluated and recommended for NMET funding and 382 ongoing projects were reviewed. Further, the Geological Survey of India (GSI) had submitted seven Regional Mineral Targeting (RMT) project proposals to NMET for exploration by NPEAs. These were jointly reviewed by the TCC-I and TCC-II committee members & based on their recommendation, 07 RMT blocks were allocated to NPEAs.

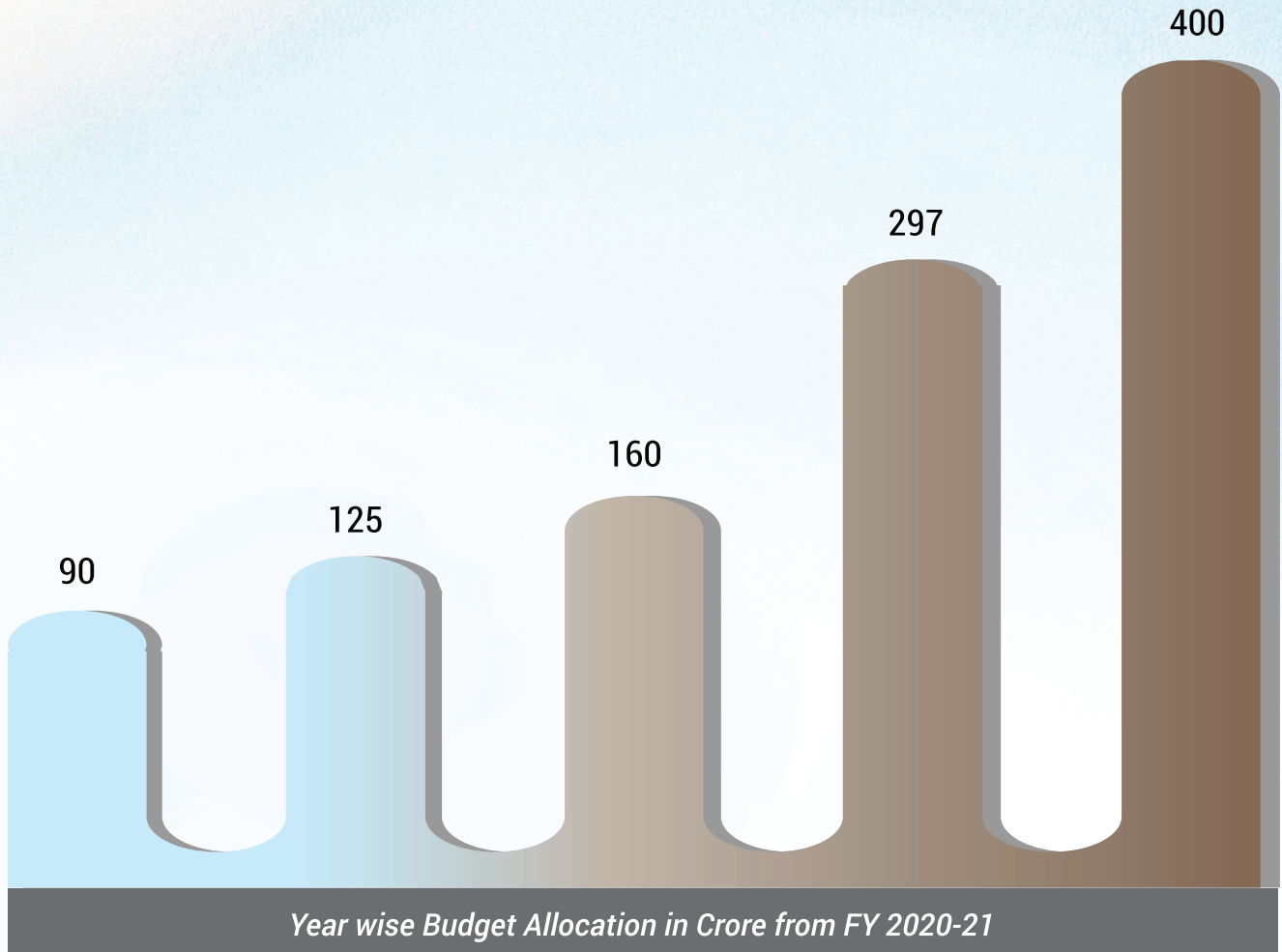
## NMET ACTIVITIES DURING FY 2024-25 - HIGHLIGHTS

As stipulated under sub-section (4) of Section 9C of the MMDR Act, the holder of a mining lease or prospecting license-cum-mining lease shall make payment of NMET contribution equivalent to 2% of the royalty paid to State Governments in terms of the Second Schedule of the Act.

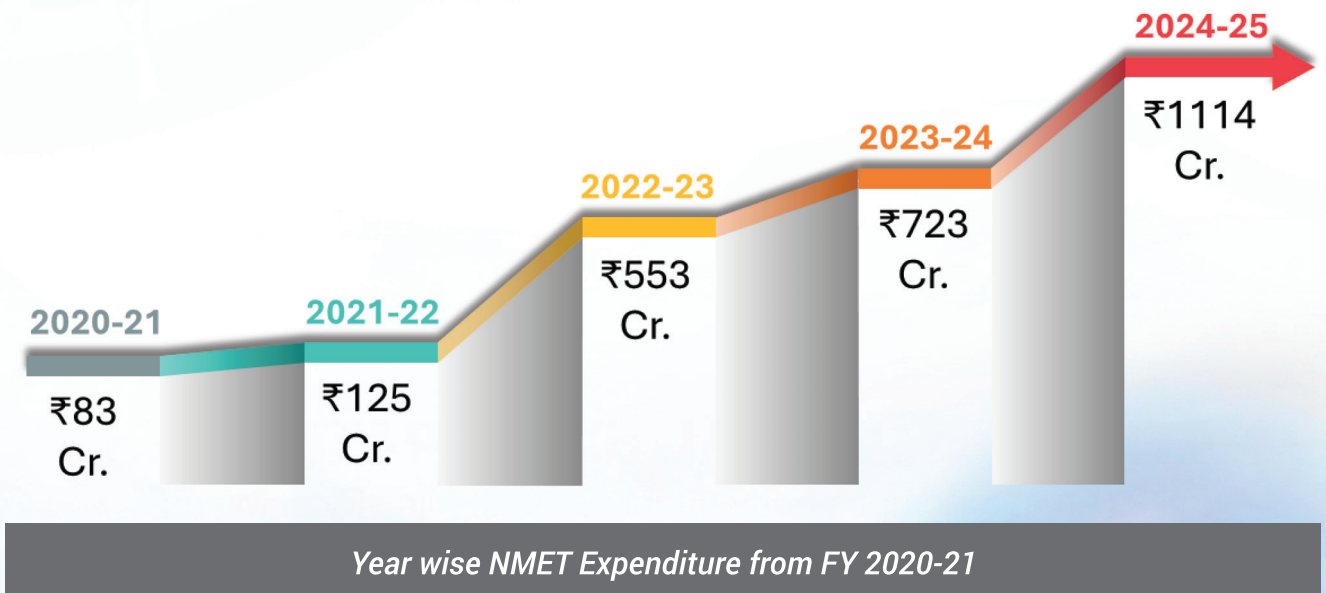
The details of fund accrual, projects approved, their sanctioned cost and expenditure incurred are as under:

<b>NMET Receipts, Budget allocation, Sanctioned amount &amp; Expenditure since 2015-16</b>						
<b>S. No.</b>	<b>Financial Year</b>	<b>NMET Receipts (₹ in Crore)</b>	<b>Budget Allocation (₹ in Crore)</b>	<b>No. of Projects Approved</b>	<b>Sanctioned amount (₹ in Crore)</b>	<b>Expenditure (₹ in Crore)</b>
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	2015-16	134	00	00	00	00
2	2016-17	509	00	57	248	00
3	2017-18	557	100	25	155	80
4	2018-19	247	150	44	126	88
5	2019-20	665	110	20	56	68
6	2020-21	621	90	14	166	83
7	2021-22	886	125	32	571	125
8	2022-23	935	160	98	357	553*
9	2023-24	951	297	88	522	723*
10	2024-25	1001	400	162	739	1114*
	<b>Total</b>	<b>6506</b>	<b>1432</b>	<b>540</b>	<b>2939</b>	<b>2834</b>

\* From FY 2022-23, expenditure includes amount utilized by Ministry of Coal under Central sector scheme of Exploration of Coal & Lignite.



NMET Expenditure details of last five years (2020-21 to 2024-25):

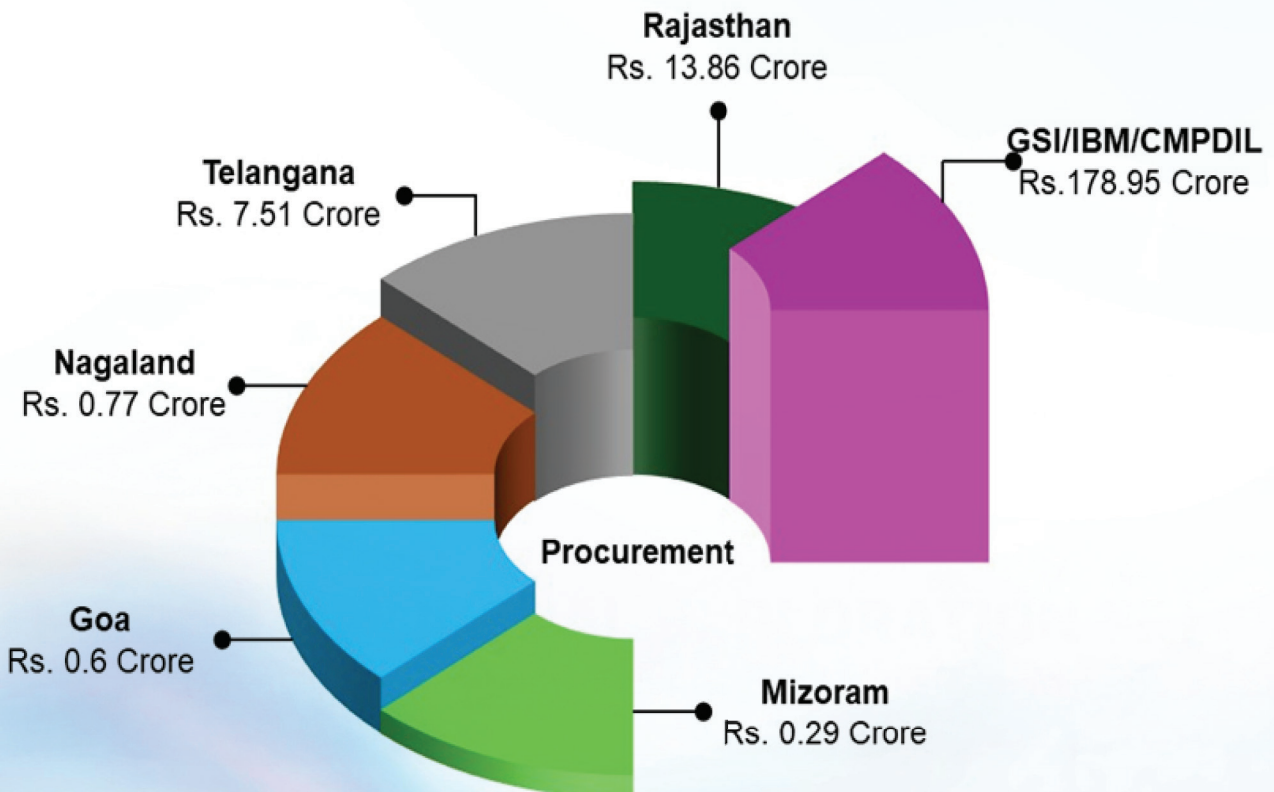




**NMET Sanctioned Projects - Category Wise**

S. No.	Category	FY 2024-25		Cumulative till 31 <sup>st</sup> March, 2025		No. of Projects Completed (as on 31.3.2025)
		No. of Projects Sanctioned	Sanctioned Cost (₹ in Crore)	No. of Projects Sanctioned	Sanctioned Cost (₹ in Crore)	Total
1	Baseline Surveys	-	197	23	1262	8
2	Mineral Exploration Projects	128	313	445	1203	244
3	Financial Assistance for Procurement of Machinery/ Equipments/ Software etc.	13	202	50	445	09
4	S&T PRISM	21	27	22	28	0
<b>Total</b>		<b>162</b>	<b>739</b>	<b>540</b>	<b>2938</b>	<b>261</b>

**State-wise distribution of Procurement Projects sanctioned during FY 2024-25**



### NMET funded Mineral Blocks Successfully Auctioned

S. No.	State	Commodity	No. of Auctioned blocks (FY 2024-25)	No. of Auctioned blocks (up to 31.03.2025)	Reserves (in MT)
1	Odisha	Iron, Manganese & Graphite	-	5	238.82
2	Madhya Pradesh	Limestone, Coal	6	8	928.51
3	Rajasthan	Limestone	-	2	321.55
4	Jharkhand	Coal	-	1	200
5	Karnataka	Limestone & Iron	1	4	1321.82
6	Uttar Pradesh	Phosphorite	1	2	35.97
7	Chhattisgarh	Limestone, Bauxite, Coal	7	8	802.44
8	Maharashtra	Manganese	-	2	0.28
9	Telangana	Limestone	2	2	152.07
<b>Total</b>			<b>17</b>	<b>34</b>	<b>4001.46</b>

### Auction incentive released to States

S. No.	State	Block Incentive (₹ in Crore)
1	Madhya Pradesh	5.00
2	Rajasthan	8.00
3	Chhattisgarh	0.40
4	Maharashtra	0.80
5	Karnataka	0.20
6	Andhra Pradesh	0.40
7	Gujarat	1.40
8	Goa	0.60
9	Assam	1.00
10	Telangana	0.40
11	Bihar	0.20
<b>Total</b>		<b>18.40</b>



### Mineral Exploration Projects sanctioned in FY 2024-25 - At a Glance

The Mineral-wise and agency-wise distribution of mineral exploration projects sanctioned by EC in the year 2024-25 is tabulated below:

#### Exploration Projects (Agency wise)

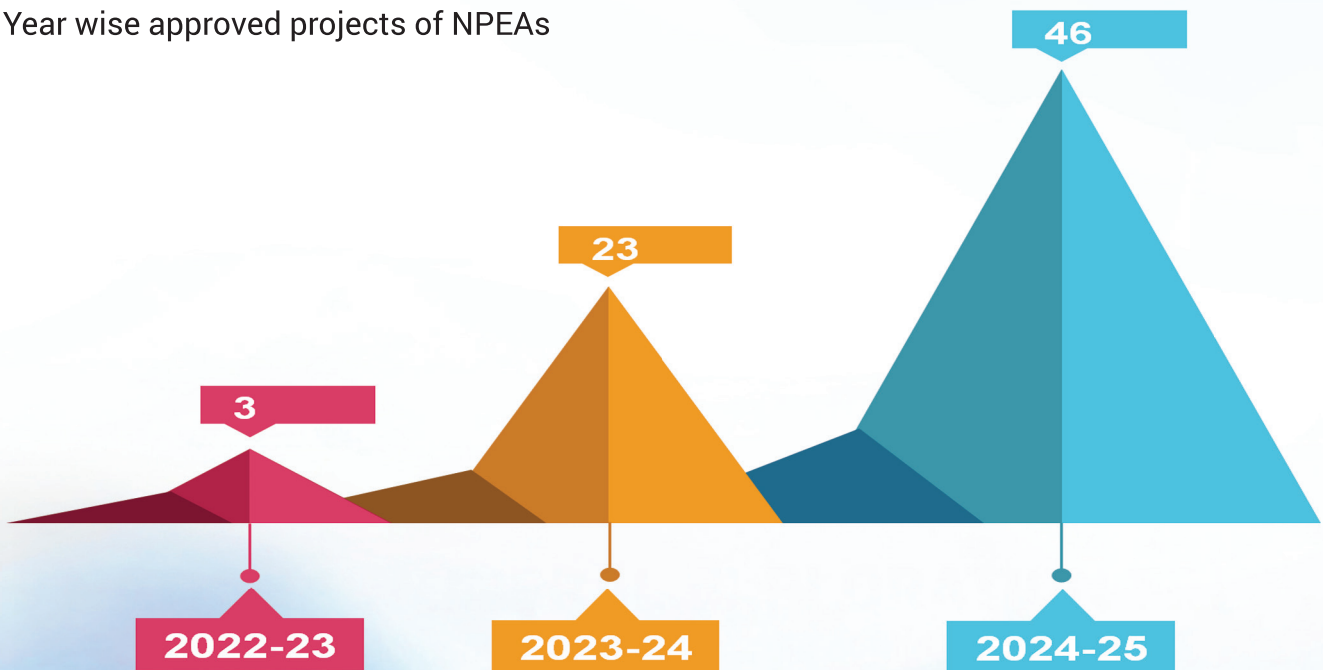
Sl. No.	Agency	FY 2024-25			Cumulative till 31 <sup>st</sup> March 2025		
		No. of Projects	Sanctioned Cost (₹ in Crore)	Expenditure incurred (₹ in Crore)	No. of Projects	Sanctioned Cost (₹ in Crore)	Total Expenditure (₹ in Crore)
A	NEAs*						
1	MECL	54	165	68	225	760	481
2	CMPDIL	2	3	1	29	109	51
3	KIOCL	2	5	2	13	28	16
4	State DGMs/DMGs/State PSUs etc.	24	50	20	106	184	78
B	NPEAs**	46	90	14	72	122	30
		<b>128</b>	<b>313</b>	<b>105</b>	<b>445</b>	<b>1203</b>	<b>656</b>

\* NEAs: Notified Exploration Agencies

\*\* NPEAs: Notified Private Exploration Agencies

#### Number of Projects sanctioned to NPEAs in last 3 years

Year wise approved projects of NPEAs



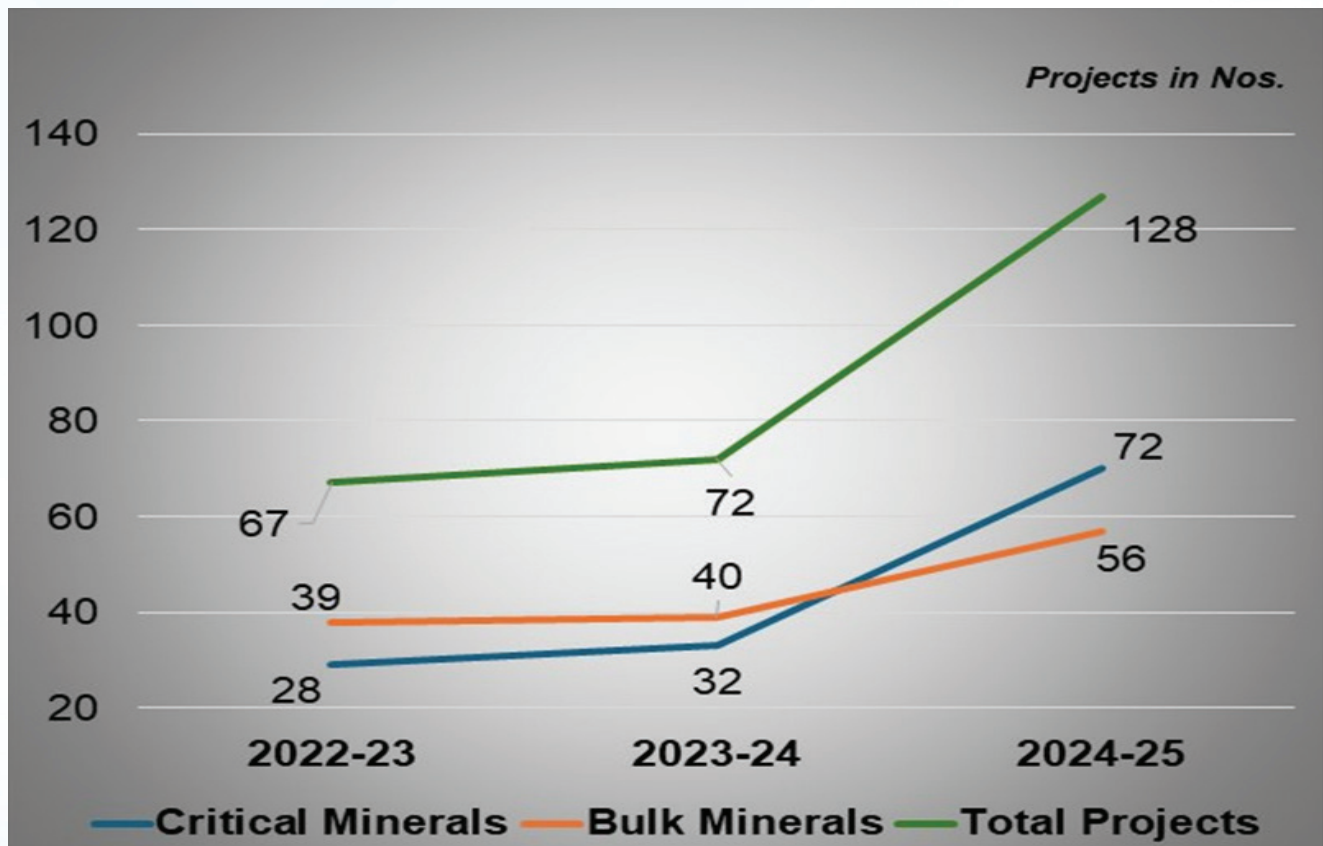
The number of projects sanctioned to NPEAs is showing a continuous upward trend.

### Critical and Bulk Mineral Exploration Projects (Agency wise)

Sl. No.	Agency	FY 2024-25			Cumulative till 31 <sup>st</sup> March 2025		
		No. of Projects	Critical Mineral	Bulk Mineral	No. of Projects	Critical Mineral	Bulk Mineral
A	NEAs*						
1	MECL	54	36	18	225	115	110
2	CMPDIL	2	1	1	29	1	28
3	KIOCL	2	2	0	13	5	8
4	State DGMs/ DMGs/State PSUs etc.	24	6	18	106	19	87
B	NPEAs**	46	27	19	72	45	27
		<b>128</b>	<b>72</b>	<b>56</b>	<b>445</b>	<b>185</b>	<b>260</b>

\* NEAs: Notified Exploration Agencies,

\*\* NPEAs: Notified Private Exploration Agencies

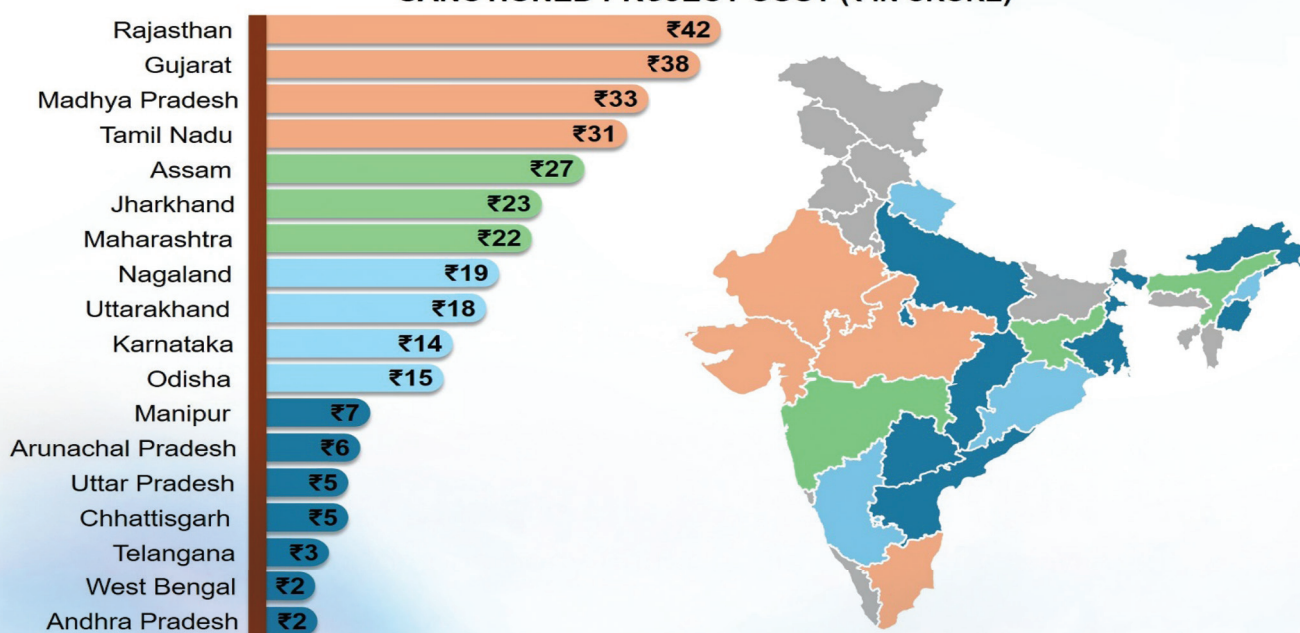


The number of exploration projects for critical minerals is showing an upward trend over the last three financial years.

### State-wise distribution of Mineral Exploration projects

State	No. of Mineral Exploration Projects Sanctioned	Sanctioned project Cost (₹ in Crore)	Expenditure (₹ in Crore)
Gujarat	26	38.35	12.82
Madhya Pradesh	19	32.66	11.57
Maharashtra	15	22.0	8.62
Jharkhand	9	22.77	9.00
Karnataka	7	14.12	3.29
Odisha	9	15.12	5.91
Tamil Nadu	7	30.86	10.55
Assam	7	27.48	11.0
Rajasthan	7	42.0	15.64
Chhattisgarh	4	4.64	1.01
Uttarakhand	5	17.82	4.30
Telangana	3	3.34	1.16
Manipur	2	7.28	0.15
Uttar Pradesh	2	4.79	0.65
West Bengal	2	2.48	0.37
Nagaland	2	19.33	7.73
Andhra Pradesh	1	2.06	0.62
Arunachal Pradesh	1	5.63	0.80
<b>Total</b>	<b>128</b>	<b>312.73</b>	<b>105.19</b>

### SANCTIONED PROJECT COST (₹ IN CRORE)



### Mineral-wise distribution of projects

Mineral	No. of Projects
Bauxite & associated minerals	6
Iron & Associated minerals	10
Limestone	28
Gold & associated minerals	5
Critical and Strategic Minerals	72
Others	7
<b>Total</b>	<b>128</b>



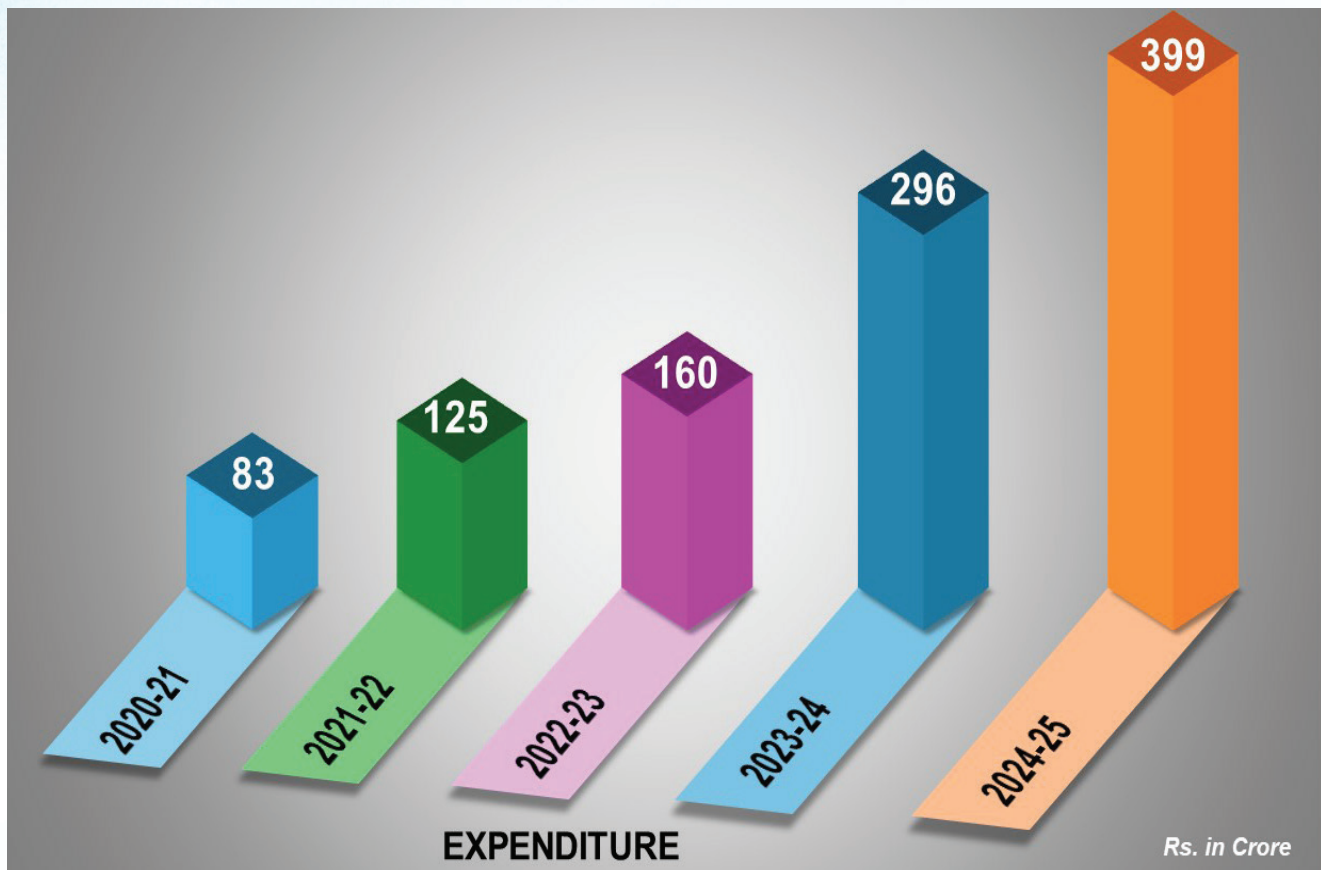


## FINANCIAL PERFORMANCE - A SNAPSHOT

The financial performance of National Mineral Exploration Trust (NMET) during FY 2024-25 is as under:

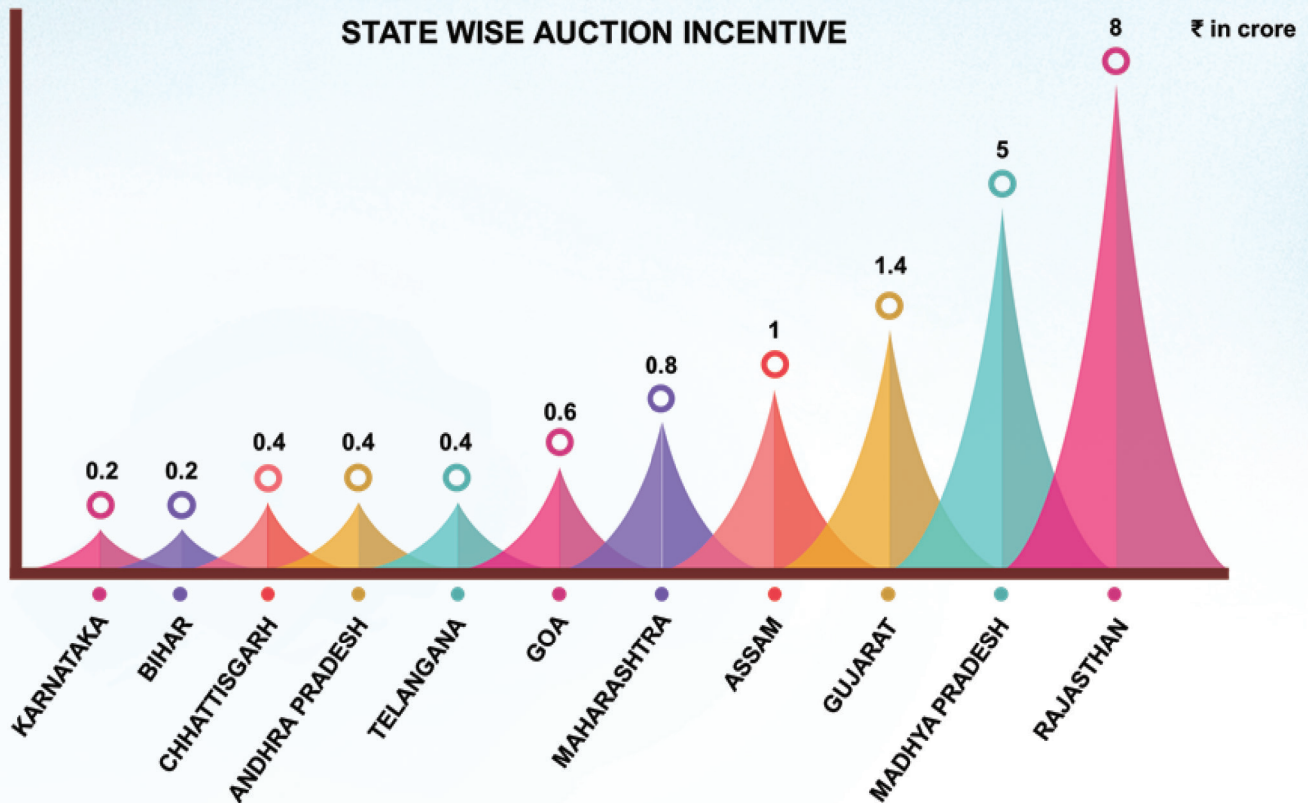
- In recent years, the National Mineral Exploration Trust (NMET) has made a significant contribution to boosting mineral exploration in the country. During FY 2024-25, ₹1001.42 crore was deposited into the Consolidated Fund of India as NMET receipts. Since inception till 31.03.2025, ₹6505.79 Crore of NMET receipts have been collected.
- The top five States which contributed the most to the NMET fund were Odisha, Chhattisgarh, Jharkhand, Maharashtra and Madhya Pradesh.

### Expenditure incurred by NMET during last 05 years



- During the year, NMET achieved its best financial performance by utilizing ₹398.95 crore to promote mineral exploration through its various activities. NMET also funded the Central Sector Scheme of Exploration & Coal & Lignite of Ministry of Coal with a recoupment amount of ₹715.18 Crore from the NMET Public Fund.
- NMET sanctioned ₹201.98 crore to 05 States, Geological Survey of India (GSI), Indian Bureau of Mines (IBM) and CMPDI to strengthen their technical infrastructure. Further, NMET released ₹18.40 crore to 11 States as an incentive for the successful auction

of mineral blocks/payment of Transaction Advisor fees in respect of annulled blocks. These measures reflect NMET's efforts to promote mineral exploration and development, thereby contributing to the growth and self-reliance of India's mining sector.



- As per the approved accounting procedure of NMET, a budget provision was made for the transfer of NMET receipts from the Consolidated Fund of India to the National Mineral Exploration Trust Public Fund Account, as a result of which ₹1466 Crore was transferred from CFI to NMET Public Fund Account during FY 2024-25. Since inception, ₹6204.32 Crore has been transferred from CFI to the NMET Public Fund Account.
- The office of the Director General of Audit, Mines, Kolkata, had formed a Thematic Audit Para on the Functioning of National Mineral Exploration Trust in the year 2023. This para consisted of 8 sub-paras on various aspects related to NMET. Reply was submitted with justification and supporting documents to the O/o the Director General of Audit, Mines, as a result of which 06 sub-paras were settled during the Financial Year 2023-24 and the remaining 02 sub-paras were settled during FY 2024-25.



## ENCOURAGEMENT TO NOTIFIED PRIVATE EXPLORATION AGENCIES (NPEAs) - KEY INITIATIVES

- The National Mineral Exploration Policy (NMEP), 2016, envisages a significant role for private sector participation in mineral exploration to discover and exploit the country's vast mineral resources.
- Amendments in the Mines and Minerals (Development and Regulation) Act, 1957 (MMDR Act) in the year 2021 have empowered the Central Government to notify private sector entities to undertake prospecting operations. The involvement of notified private sector exploration agencies (NPEAs) has provided an impetus to the exploration activities in the country and enabled the identification of more blocks suitable for auction.
- In line with the amendments, the Governing Body of NMET at its 4th meeting held on 13.04.2022 approved the scheme for engagement of Notified Private Exploration Agencies (NPEAs) in mineral exploration through NMET funding. The scheme has been modified from time to time to fast-track proposal submission by the NPEAs.
- This scheme was modified in December 2023 to allow NPEAs to submit their project proposals for critical minerals directly to NMET and further in June 2024, allowing NPEAs to submit their project proposals for all major minerals, other than minerals mentioned in Part 'B' of the First Schedule of the MMDR Act, 1957, directly to NMET. The scheme was further modified in September 2024 to allow the NPEAs to directly submit the Detailed Project Proposals for mineral exploration to NMET. So far, 26 DPRs have been submitted to NMET.
- As a result of these reforms, during FY 2024-25, 46 projects of 14 NPEAs were sanctioned by NMET in 16 States, which is a 100% increase as compared to FY 2023-24. Out of the 46 projects sanctioned to NPEAs, 27 are of critical minerals.
- To streamline the process of verification of field work carried out by NPEAs and verification/certification of bills submitted by them, an SoP was formulated & circulated on 19.11.2024. For uniformity in the process of verification/certification of the work/bills of NPEAs, a workshop was conducted on 11.12.2024 for the DDGs of GSI, State Units.
- **Forest Clearance:** To facilitate exploration activities in forest areas, NMET provides support to the NPEAs by taking up the matter of grant of FC with the forest department of the concerned State.
- An online workshop for NPEAs was conducted on 25.02.2025 to facilitate them in bill submission.
- **Regional Mineral Targeting (RMT) Projects:** Regional Mineral Targeting (RMT) is one of the strategic processes for identifying new high-potential zones for mineral prospecting

over large geological terrains spanning an area of 500 sq.km to 2000 sq.km. The purpose of RMT is to locate new mineral resources of critical minerals, especially concealed and deep-seated deposits, based on the anomalies identified through data integration.

The Geological Survey of India (GSI) had submitted seven RMT project proposals to NMET for exploration by NPEAs. These RMT project proposals were handed over to the NPEAs by the Hon'ble Union Minister of Mines on 4th March 2025 during the 175th-anniversary celebration of GSI in Kolkata.

**Details of RMT blocks allotted to NPEAs are as under:**

Sl. No.	Block Details	Commodity	NPEAs
1	Regional Mineral Targeting in Taka-Chimur-Shegaon Buzurg area in Chandrapur, Wardha and Nagpur districts of Maharashtra to evaluate the aero-geophysical anomalies, interpretation of Remote Sensing data and integration with baseline geoscience data for base metals, REE, RM and other associated mineralization. (Block Area: 2000 sq.km)	Sulphide mineralization, REE, Rare Metal and associated mineralization	M/s Mining Tech Consultancy Services Limited (MTCS)
2	Regional Mineral Targeting and integrated mineral system studies to target potential mineralization in Proterozoic rocks of Amgaon Gneissic Complex, Dongargarh Granites, Dongargarh Supergroup, Bijli Rhyolite, Bailadila Group, in parts of Kanker, Rajnandgaon, Narayanpur Districts, Chhattisgarh. (Block Area: 1560 sq.km)	REE/RM and Iron Ore	M/s United Exploration India Private Limited
3	Regional Mineral Targeting in Madanpur-Rampur-Kankatru area through geoscience data integration and spatial modeling to identify prospective zones of REE and base metal mineralisation in Kalahandi district, Odisha. (Block Area: 1087 sq.km)	REE/RM (Nb)	M/s Natural Resources Division-Tata Steel Limited
4	Regional Mineral Targeting in parts of AMGC and associated granites, West Khasi Hill and East Garo Hill Districts, Meghalaya. (Block Area: 2175 sq.km)	REE/RM	M/s Maheshwari Mining Private Limited (MMPL)

5	Regional mineral targeting in parts of Lalitpur and Jhansi districts of Uttar Pradesh and Shivpuri and Tikamgarh districts of Madhya Pradesh. (Block Area: 1000 sq.km)	REE/RM	M/s Geovale Services Private Limited
6	Regional Mineral Targeting for Manganese, Graphite, Tungsten, Cobalt, REE and associated critical minerals in parts of Alluri Sitharama Raju district, Andhra Pradesh. (Block Area: 1450 sq.km)	Manganese, Graphite, REE, Cobalt and associated mineralization	M/s Critical Mineral Trackers (CMT)
7	Regional Mineral Targeting for Graphite, Niobium, REE and associated mineralization in Vellikod-Azhikod areas, near Achankovil Shear Zone, Southern Granulite Terrain, Kerala. (Block Area: 999 sq.km)	Graphite, REE-RM and associated mineralization	M/s Geo Marine Solutions Pvt. Ltd

Since March, 2022 Ministry of Mines has notified 32 Private Exploration Agencies to undertake exploration projects. Up to 31.03.2025, a total of 72 projects have been sanctioned to NPEAs with an approved cost of ₹122.34 Crore.

During FY 2024-25, NMET sanctioned 46 projects to Notified Private Exploration Agencies (NPEAs) amounting to ₹90.17 Crore. Out of the 46 projects, 27 are of critical minerals.



Handing over of Regional Mineral Targeting blocks by Shri G. Kishan Reddy, Hon'ble Union Minister of Coal and Mines to Notified Private Exploration Agencies (NPEAs) on 4<sup>th</sup> March 2025 during the 175th-anniversary celebration of GSI in Kolkata.

## SCHEMES OF NMET

### Exploration Licence Scheme

- The objective of the scheme is to provide partial reimbursement of exploration expenses to exploration licence holders who are granted through auction to mitigate the risks in exploration of critical and deep-seated minerals.
- The Exploration Licence (EL) holders have to submit a proposal for reimbursement of the exploration expenses within a period of 6 months from the grant of the EL. The proposal will be evaluated by Technical cum Cost Committee and Executive Committee of NMET will approve the proposal.
- The EL holders will be reimbursed up to 50% of direct costs as per the SoC of NMET in various components like geological mapping, geophysical mapping, exploratory drilling, petrological/mineral beneficiation studies, consultancy/advisory fees and mobilisation of logistics, subject to a maximum ceiling of ₹ 20 crores.
- However, if the EL holder hands over any G2 block(s) for auction for grant of mining lease within three years from the execution of EL, and if said block(s) are successfully auctioned, then the total exploration expenses incurred by EL holder will be reimbursed up to 60% of direct costs as per the SoC of NMET, with maximum ceiling increased by 20% on each item.
- The EL holder shall pay back to the National Mineral Exploration Trust (NMET), the amount released by NMET under this scheme within ten years (in equal annual instalments) of commencement of production and dispatch of minerals and receipt of share in auction premium from any of the mining lease blocks auctioned pursuant to exploration undertaken by the EL holder. In case the EL holder receives a lump sum payment from mining lease holders in place of a share in the auction premium, he shall pay back the amount to NMET within one month of receipt of the lump sum payment.
- EL holders will share all the geoscientific data and reports to GSI, IBM and State Governments for uploading the same in the NGDR portal and drill cores to GSI, Core Library for future reference.

### Composite Licence Scheme

- The objective of the scheme is to provide partial reimbursement of exploration expenses for Composite Licence (CL) holders who are granted through auction for exploration of critical and deep-seated minerals.
- The scheme has been modified and the scale of reimbursed has been increased to ₹8 crores from ₹4 crores.
- CL holders will be reimbursed up to 50% of direct costs as per the SoC of NMET in various components like geological mapping, geophysical mapping, exploratory drilling,



petrological/mineral beneficiation studies, consultancy/advisory fees and mobilisation of logistics, subject to a maximum ceiling of ₹8 crores.

- In case the exploration leads to the signing of the mining lease and production of minerals, then the holder of such mining lease shall pay back the amount released by NMET within four years of commencement of production and dispatch of minerals.
- CL holders will share all the geoscientific data, reports to GSI, IBM and State Governments for uploading the same in NGDR portal and drill cores to GSI, Core Library for future reference.
- The reimbursement towards exploration costs will be considered only for the prospecting stage of the Composite Licence.

#### **Scheme for engagement of Notified Private Exploration Agencies (NPEAs) directly through the National Mineral Exploration Trust (NMET)**

- The scheme for engaging Notified Private Exploration Agencies (NPEAs) in mineral exploration activities was launched on 10<sup>th</sup> May 2022. The scheme envisaged submission of exploration projects of critical and bulk minerals to NMET through the State Governments for funding. Further, the scheme required NPEAs to submit proposals for in-principle approval initially and thereafter submission of a detailed proposal within three months.
- To expedite the exploration of critical and strategic minerals, the scheme was modified on 12<sup>th</sup> December 2023, which allows NPEAs to submit exploration proposals of critical and strategic minerals directly to NMET for in-principle approval, followed by submission of a detailed project proposal within three months.
- To enhance the pace of mineral exploration activities, the scheme was further modified on 27<sup>th</sup> June 2024, which allows NPEAs to submit the project proposals even for bulk minerals directly to NMET for funding. Through another modification in the scheme on 9<sup>th</sup> September 2024, NPEAs can now submit a detailed project proposal to NMET for consideration instead of submission of a proposal for in-principle approval. However, the provision of submitting a project proposal for in-principle approval through the State Government also persists.

#### **Applicability of the Schedule of Charges (SoC) in the Most Affected Districts by Left Wing Affected (LWE)**

- Several districts in the States of Chhattisgarh, Jharkhand, Madhya Pradesh, Maharashtra, Odisha, etc. are affected by Left Wing Extremism (LWE). The law and order situation in the LWE-affected districts had an adverse effect on the smooth execution of the exploration activities.
- Ministry of Home Affairs (MHA) has categorized certain districts affected by Left Wing Extremism vide F.No. 11- 18015/68/2014-LWE-III dt.11th March, 2024.

- To facilitate the work in LWE affected Districts, 1.25 times of the normal SoC rates for carrying out field component of the exploration work shall be provided to the exploration agencies. The details of the Most Affected LWE Districts are given below:

S. No.	State	No. of Districts	Districts
1	Chhattisgarh	07	Bastar, Bijapur, Sukma, Kanker, Narayanpur, Dantewada, Mohalla-Manpur-Ambagarh Chowki
2	Jharkhand	01	West Singhbhum
3	Madhya Pradesh	01	Balaghat
4	Maharashtra	01	Gadchiroli
5	Odisha	02	Kalahandi, Kandhamal
	<b>Total</b>	<b>12</b>	

#### **Scheme for providing a 10% matching grant of annual collection in SMET by NMET**

- To give further impetus to exploration, research & innovation activities for minor minerals and to encourage the State Governments to set up SMET, the Governing Body of NMET in its 6<sup>th</sup> meeting held on 12.08.2024, has decided to provide matching grant to State Governments to the extent of 10% of annual collection by the State Governments in SMET in the current and next two financial years through NMET.
- The State Governments of Telangana, Rajasthan and Andhra Pradesh have already established State Mineral Exploration Trust (SMET) in their respective States.

## MAJOR ACHIEVEMENTS IN 2024-25

- **Budget Utilization:** NMET made record expenditure on exploration & related activities by utilizing ₹398.95 Crore. This is a 35% increase compared to expenditure incurred in FY 2023-24.
- **Capacity building initiatives:** NMET organized 01 National level workshop, 10 State-level workshops & 02 workshops in online mode to build the capacity of exploration agencies. These workshops have increased awareness about the various schemes of NMET, strengthened collaboration among stakeholders in the mineral sector, provided new opportunities to the exploration agencies in the mineral sector, shared best practices of States and engaged NPEAs by State Governments in the exploration activity.
- **Auctioned Blocks:** 17 blocks explored with NMET funding were successfully auctioned.
- **Projects sanctioned:** During FY 2024-25, 162 projects were sanctioned, which is an 84% increase compared to the previous year, in which 88 projects were sanctioned.
- **Projects sanctioned to NPEAs:** During FY 2024-25, 46 projects were sanctioned, amounting to ₹90.17 Cr, whereas, during FY 2023-24, 23 projects amounting to ₹24.74 Crore were sanctioned to NPEAs.
- **Incentive released to States:** An amount of ₹18.40 Crore was released to State Governments for the successful auction of 92 mineral blocks. The incentive released to the States can be utilized for payment of fees to transaction advisors, preparation of project proposals, purchase of exploration-related machinery and equipment, AMC/CAMC of instruments, capacity building training programs, exposure visits and any other activity to promote exploration activities in the States.

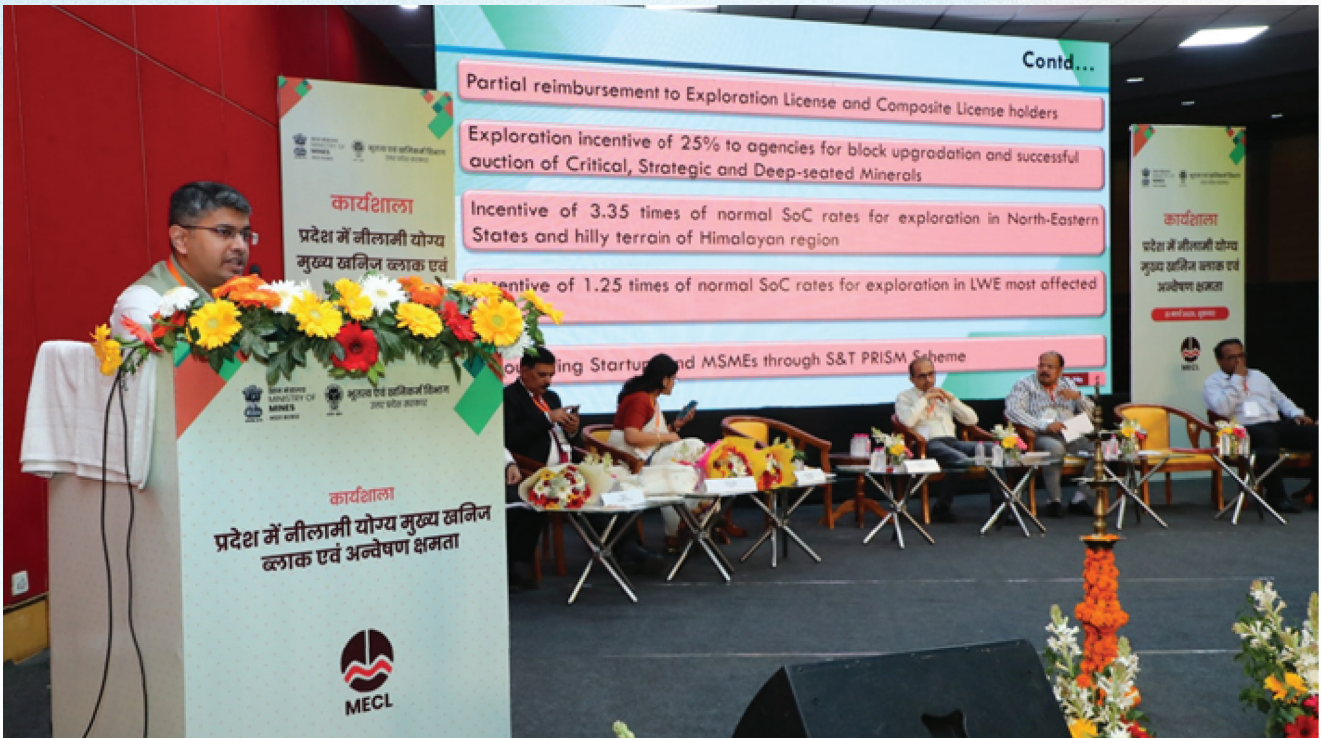
## NMET FUNDED WORKSHOPS - A FEW GLIMPSES



*NMET funded workshop in Gujarat conducted on 17<sup>th</sup> August, 2024*



*NMET funded workshop in Sikkim conducted on 06<sup>th</sup> July, 2024*



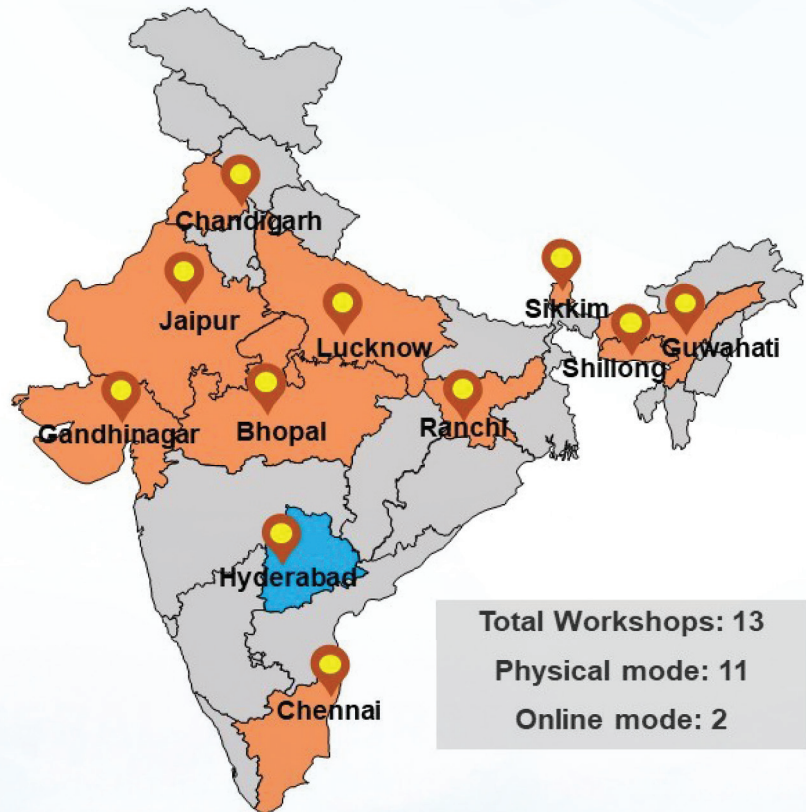
NMET funded workshop in Uttar Pradesh conducted on 21st March, 2025

State level workshop

- ❖ Assam
- ❖ Gujarat
- ❖ Jharkhand
- ❖ Madhya Pradesh
- ❖ Meghalaya
- ❖ Punjab
- ❖ Rajasthan
- ❖ Sikkim
- ❖ Tamil Nadu
- ❖ Uttar Pradesh

National level Workshop

- ❖ Telangana



States with NMET funded workshops

## MAJOR EQUIPMENTS PURCHASED WITH NMET FUND



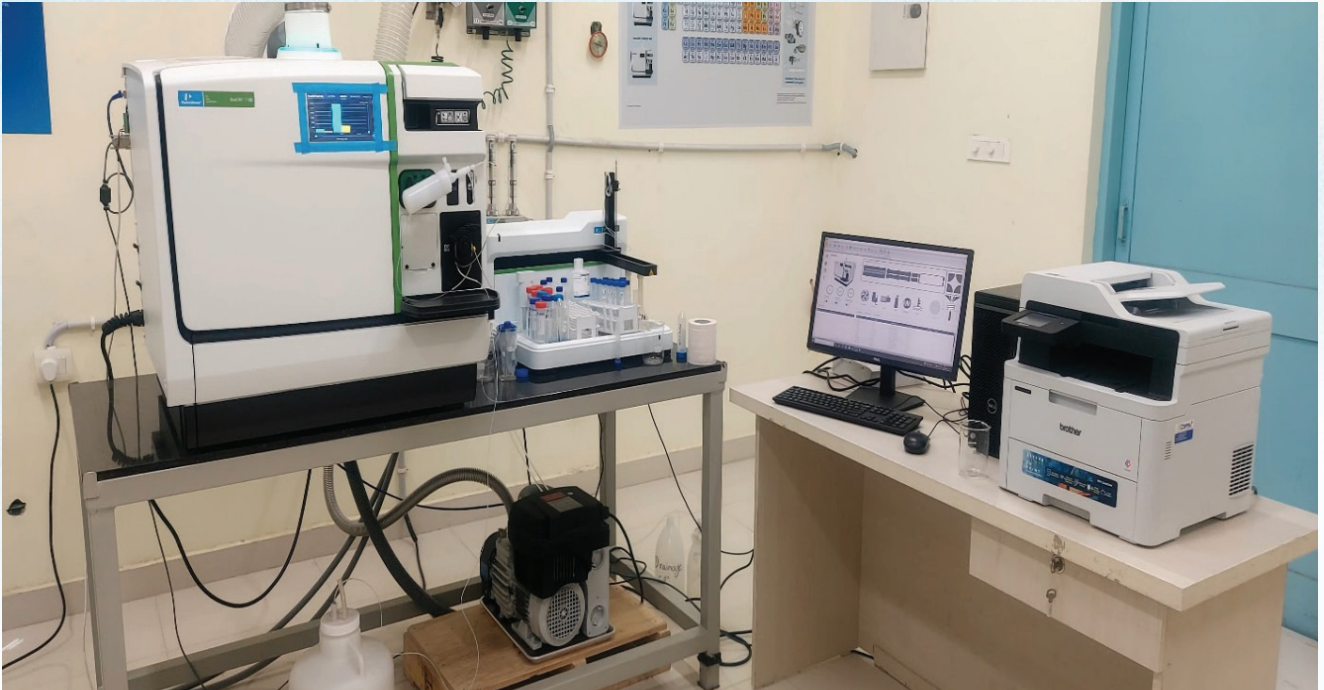
Field Emission Scanning Electron Microscope with Energy Dispersive Spectrometer (FE-SEM with EDS)- Procured by Indian Bureau of Mines in 2024 & installed in MMPL, Nagpur

**Application:** The instrument is vital for characterization of REE, PGE and other critical minerals. Useful for nomenclature of different minerals with elemental point analysis of mineral grains up to sub-micron size in various ores and process products.



Digital X-Ray Diffractometer (XRD) with Solid State Detector, Search Match Software- Procured by Indian Bureau of Mines in 2024 & installed in MMPL, Nagpur

**Application:** It is useful for accurate and speedy identification of various mineral phases present in different ores.



Inductively Coupled Plasma Mass Spectrometer (ICP-MS)- Procured by Indian Bureau of Mines in February 2025 & installed in MMPL, Nagpur

**Application:** Useful for simultaneous analysis of multiple elements in whole ore/rock in ppm and ppb levels. Vital instrument for analysis of critical elements, REE and PGE.



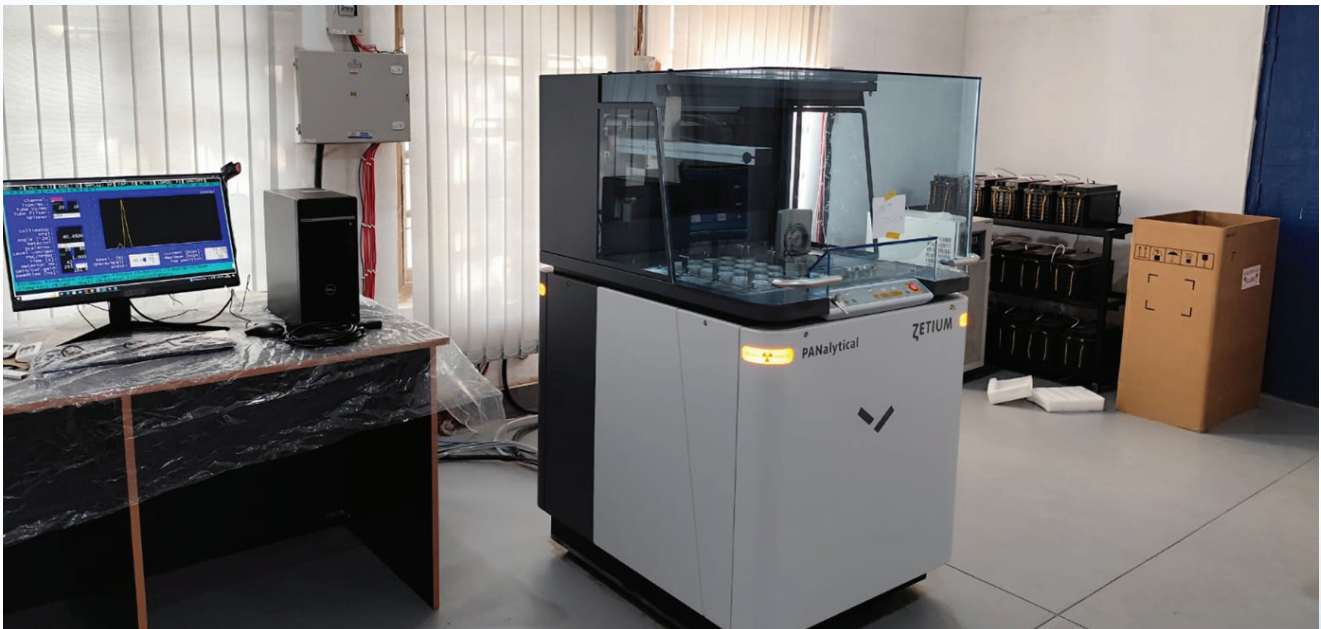
Dry Magnetic Separator- Procured by Indian Bureau of Mines in 2024 & installed in MMPL, Nagpur

**Application:** Useful for dry separation of magnetic minerals at coarser size.



Induced Roll Magnetic Separator- Procured by Indian Bureau of Mines in May 2024 & installed in RMPL, Bengaluru

**Application:** Useful for the pre-concentration of magnetic minerals at different magnetic field intensity.



Wavelength Dispersive X-ray Fluorescence Model No. Zetium 2.4 kW - Procured by DGM, Nagaland commissioned on 11.07.2024 in DGM Nagaland

**Application:** It is a type of X-ray fluorescence (XRF) technique used for elemental analysis.



RD-60 Skid mount drilling rig procured by DGM, Nagaland through NMET funding

## VISUAL HIGHLIGHTS FROM NMET-SUPPORTED MINERAL EXPLORATION INITIATIVES



Collection of Lake Sediment by field geologist at Merak, Ladakh.

**NMET funded Mineral Exploration Project:** Reconnaissance survey for Lithium and Potassium in Merak block, District: Leh, Union territory of Ladakh. Agency : Mineral Exploration Consultancy Limited (Govt of India Enterprise, MINIRATNA-I CPSE)



**NMET funded Mineral Exploration Project:** Preliminary Exploration (G3 Stage) for Gemstones in and around Neelam Khan Area (5.00 Sq. Km) District- Kishtwar, Jammu & Kashmir. Agency : Mineral Exploration Consultancy Limited (Govt of India Enterprise, MINIRATNA-I CPSE)



Regolith sample collection from Sung Valley Ultramafic Alkaline Carbonatite complex of Regolith hosted ion adsorption deposit in Sung Valley, East Khasi Hills, Meghalaya.



Panned gold flakes (secondary) from a tributary draining out from the volcano sedimentary sequence of Kotri lineament area, Gadchiroli District, Maharashtra.



Bedded limestone deposit from Pranhita River bed, parts of Devalmari area, Gadchiroli District, Maharashtra bordering Telangana state. [Toposheet No- 56M/15]





सत्यमेव जयते

MINISTRY OF MINES  
GOVERNMENT OF INDIA