

## Highlights of Achievement of CMPDI (2024-25)

- About 7.5 billion tonnes of coal resources were added to the Measured (Proved) category through Detailed Exploration covering an area of about 270 sq km through 21 Geological Reports.
- In addition, about 7.4 billion tonnes of new coal resources (in Indicated and Inferred categories) were estimated through Promotional (Regional) Exploration covering an area of about 208 sq km through 9 Geological Reports.
- Further, around 75 million tonnes of lignite resources in the Indicated category have been established through 1 Geological Report, covering an area of about 166 sq km.
- Seismic survey activities saw significant growth in 2024-25. CMPDI conducted 300.02 line km of 2D surveys using departmental resources, reflecting a 46% increase compared to the previous year. Additionally, through outsourcing, CMPDI achieved 137.93 line km of 2D surveys. In total, CMPDI completed 437.95 line km of 2D seismic surveys in 2024-25, resulting in an impressive 87% year-on-year growth.
- CMPDI carried out about 10.115 lakh metre of drilling during the year against the target of 10.0 lakh metre with growth of 17% over previous year.
- In Non-CIL blocks under the Central Sector Scheme (CSS) of Ministry of Coal, about 4.46 lakh meter of drilling was carried during the year against the target of 4.30 lakh meter. About 3.9 Billion Tonnes of coal resources were added to the measured category through Detailed Exploration in Non-CIL blocks covering an area of about 130 sq km through 11 Geological reports.
- About 2.12 lakh meter of Geophysical logging were carried out departmentally especially for complimenting non-coring drilling.
- CMPDI took up exploratory drilling for coal/lignite in 98 blocks/mines under Detailed Exploration and about 38 blocks under Regional Exploration in Coal. Additionally, Regional Exploration for Bauxite was also carried out in 1 block.
- 23 nos. of proposals for exploration (G2/G3/G4) in coal blocks were approved by NMET. Out of these, 16 projects have been completed, 4 are in progress, and 3 have been surrendered. Approximately 2 billion tonnes of coal resources were added to the Indicated/Inferred category over an area of 274 sq km.
- Under NMET funding, additionally, three proposals for bauxite exploration have been approved, and all three projects have been completed. One project for exploration in base metals (Cu, Pb, and Zn) has also been completed, while another project for exploration in magnetite is currently in progress. In FY 2024-25, CMPDI has established about 65 million tonnes net in-situ Bauxite Resource of different grade and 19 million tonnes net in-situ Aluminous Laterite Resource through 1 Geological report for Bauxite in the state of Jharkhand. TiO<sub>2</sub> and V<sub>2</sub>O<sub>5</sub> have also been reported in the block. Further, 2 blocks for exploration of Graphite have also been granted by DGO, Orissa for implementation through NMET funding.
- CMPDI has prepared a comprehensive strategy on coal and lignite exploration, which was unveiled by the Hon'ble Minister of Coal in Nov, 2024 on the eve of 50<sup>th</sup> Foundation Day of Coal India Limited. The report focused on the future exploration requirements of Coal and Lignite, yearly framework for exploration and policy reforms for sustainable resource use.

- CMPDI has signed a Memorandum of Agreement (MOA) with GSI to conduct NGPM work across 35 toposheets. To support this initiative, CMPDI has procured three Gravimeters (CG-6 model, M/s Scintrex, Canada) and an Accelerated Weight Drop (HGS 500 model, M/s HGS India), a medium-range seismic source, thereby expanding its seismic instrument fleet. This addition significantly enhances CMPDI's operational capacity.
- Additionally, Resistivity Imaging surveys was successfully conducted by CMPDI, RI-1, to demarcate mined-out areas at the Pachwara North Block, Rajmahal Coalfield, and subsidence-prone zones at the Kuardih Tirat Area (Ratibati Colliery, ECL). This innovative application of geophysical methods in the mining sector has proven highly effective.
- Hydrogeology Section of CMPDI prepared a total of 230 reports during FY 2024-25. 44 Ground Water Modelling (GWM) reports have been prepared during FY 2024-25 as compared to 10 GWM reports prepared during previous year decreasing the volume of GWM reports prepared through outsourcing.
- During the year, a new domain of work viz. Carrying Capacity Study report has been prepared and submitted of NCL command area as a special compliance of MoEFCC, New Delhi which integrate both Hydrogeology and Hydrology modelling and impact assessment.
- 33 Project Reports have been prepared including an Expansion PR of Gevra OC having a planned capacity of 85 Mt of coal per year.
- Further, 29 Form-I/III/IV/VI and 19 Draft EIA/EMPs were submitted. The reports were submitted for an incremental EC capacity of 26.87 MTY for mining projects and 6.00 MTY for washery projects.
- CMPDI recorded its highest ever Net Sales of ₹2102.76 crores against ₹1732.69 crores achieved in Financial Year 23-24, with a substantial growth of 21%.
- Profit before Tax has also increased by 20% to ₹882.14 crores compared to ₹732.84 crores in the preceding financial year.
- Additionally, CMPDI's Profit after Tax (PAT) experienced remarkable growth, standing at ₹666.91 crores, a substantial increase from ₹503.23 crores in financial year 2023-24, a growth of about 33%.
- 18 nos. of reports on Scientific study for controlled blasting and vibration studies were conducted for different mines of CIL to protect the surrounding habitats/important structures and extraction of locked-up coal safely.
- Random sampling and testing of Bulk Explosives and Cartridge Explosives & Accessories being used in the mines of CIL were carried out throughout the year. 23 (Patch) Reports on scientific study relating to optimisation of blasting parameters/determination of Powder Factor were also prepared for different mines of CIL.
- Performance evaluation of explosives & accessories supplied by various manufacturers to the mines of outside clients were carried out and 11 reports were prepared in this regard.
- CMPDI has been carrying **Land Reclamation Monitoring of CIL mines** on a regular basis based on high resolution satellite data. In the year 2024-25, Land Reclamation Monitoring of total 114 projects comprising of 75 Opencast Projects producing more than 5 Million Cubic Metre (Coal+OB) category and 39 mines / Clusters producing less than 5 Million Cubic Metre (Coal+OB) category under different subsidiaries of CIL has been completed.
- **Vegetation cover Mapping** of CIL Coalfields based on high resolution satellite data is being done regularly for assessment of impact of mining on land use/vegetation cover in the coalfield region. During FY 2024-25, Vegetation cover mapping of six coalfields viz.

Singrauli (NCL), East Bokaro and West Bokaro (CCL), Korba (SECL), Karanpura (CCL) and Bander Coalfield (WCL) has been completed.

- **Land Use / Cover Mapping of Core & Buffer Zone** of 21 projects under different subsidiaries of CIL based on satellite data has been completed during FY 2024-25.
- **DSS analysis** work which is important considering Coal block auctioning is also being carried out for coal blocks on '*As and When required*' basis. Through DSS analysis, the Environmental Status of the blocks with respect to their proximity to Wild Life Corridors, Sanctuaries, Eco-Sensitive Zones, etc. is assessed.
- **PM Gati Shakti Project (National Master Plan):**
  - ✓ CMPDI is coordinating and facilitating development of MoC page on PM Gati Shakti – National Master Plan Portal with Bhaskaracharya National Institute of Space Application & Geo Informatics, Gandhinagar (BISAG-N) for Ministry of Coal.
  - ✓ CMPDI, in coordination with BISAG-N, is also involved in development of various tools on PMGS-NMP Portal which can be used for various analytical purposes including Mine Planning.
  - ✓ CMPDI is also using PMGS-NMP Portal for analysis upcoming and expansion projects and Project wise report(s) for 22 Projects of different subsidiaries have been prepared.
  - ✓ A comprehensive Standard Operating Procedure was prepared containing layer details, attributes, responsibilities and guidelines for users.
- **Coal Mine Surveillance and Management System:** CMPDI is ensuring smooth functioning and keeping the site of Coal Mine Surveillance and Management System along with the associated Mobile App, *Khanan Prahari*, updated in association with BISAG-N. The auto-generated monthly reports are being sent by the system to the concerned.
- **Fire Mapping:** CMPDI has been entrusted to locate and identify fire spots at Chirimiri OCM through Thermal Imagery on annual basis for 5 years. The report based on Thermal Infrared Imagery of November 2024 has already been prepared and submitted. Similar study for Anjan Hill Mine of M/s Anjan Mining Private Limited, was also carried out.
- **Study of Forest Canopy Density (FCD) for CIL:** A study has been conducted for all subsidiaries regarding FCD assessment, and other conditions for ACA Land, utilizing Sentinel 2A satellite data.
- **OBR Measurement of all OC mines,** both outsourced and departmental, producing more than 1 MTY and the annual measurement of OC mines producing less than 1 MTY (only hired patches) has been completed and reports submitted.
- CMPDI has fully operational Drone based capability for Topographical Mapping, Coal Mine Fire Mapping, Vegetation Cover Mapping, Settlement Mapping, Plantation Height Assessment and other activities related to mining.
- CMPDI has taken up the job of Drone based topographical survey for coal blocks to be auctioned to prepare Fly through Videos of the coal blocks as per the directive of Ministry of Coal. This provides a bird's eye view of the entire block area to the prospective bidders for their better understanding of the area and planning for development of the block in the earliest possible time.
- DGPS Survey of all coal Blocks under auction has been taken up from the 11<sup>th</sup> Tranche of Auction.

- Sand Replenishment Study in Pre-Monsoon and Post Monsoon periods in the State of Rajasthan and Bihar has been undertaken.
- Capex of about ₹31.94 crore has been achieved against the MoU target of ₹26 crores.
- CMPDI has established National Centre for Coal and Energy Research (NaCCER)- Phase-1 at CMPDI campus, Ranchi, which was inaugurated by Hon'ble Minister of Coal on 07.10.2024 for carrying out research in domains of coal and energy sector to sustainably meet the energy demand of the nation through cutting edge research, innovation and collaboration. NaCCER will participate in the S&T/ R&D projects as implementing or sub-implementing agency.
- With the significant contribution of NaCCER, a Memorandum of Understanding (MoU) was signed between Coal India Limited (CIL) and Indian Institute of Technology (Indian School of Mines) [IIT-ISM]- TEXMiN on 28.8.2024 for Scientific co-operation for Research & Development (including but not limited to process engineering, designing, and simulation) in the field of Coal and Energy related processes, technologies, products, etc.
- NaCCER also played a key role in signing a Memorandum of Understanding (MoU) between Coal India Limited & IIT-Hyderabad on 7.3.2025 which focuses on creation of Centre of Excellence (CoE) in the name of Centre of Clean Coal Energy and Net Zero (CLEANZ).
- **First Mile Connectivity (FMC) Projects:**
  - ✓ In first phase, 33 First Mile Connectivity (FMC) projects with a capacity of 382.5 MTY were taken up by CIL, in which CMPDI played a key role and submitted NIT for all the projects in record time. 15 projects have already been commissioned and remaining projects are at various stages of construction.
  - ✓ 8 FMC projects with a capacity of 57 MTY have been identified in FMC-II out of which final NIT has been submitted for 7 projects and final NIT for 1 project is under preparation.
  - ✓ 17 FMC projects with a capacity of 324 MTY have been identified in FMC-III, out of which CMPDI is playing a key role for preparation of NIT of 9 projects. Out of these, 1 project has been commissioned, 2 projects are under construction, final NIT has been submitted for 2 projects and NIT of 4 projects is under preparation. The remaining 8 projects are under MDO mode.
  - ✓ In the fourth phase of FMC, 14 projects with a capacity of 74 MTY have been identified out of which, CMPDI will be preparing NIT for 9 projects. NITs for two projects have been submitted and others 7 will be prepared as per CIL timeline.
  - ✓ CMPDI has conducted third party quality Audit for 20 nos. under construction FMC projects as per directive of MOC and CIL and submitted its report to respective CIL subsidiaries.
- **Formulation and finalization of Model MDO Documents:**
  - ✓ CMPDI has been instrumental in formulation and finalization of model tender documents for MDO projects of opencast mines, underground mines, discontinued/abandoned mines and regionally explored opencast coal blocks.
  - ✓ Letter of Award has been issued for 16 green field projects (13 OC and 3 UG) having 157.7 MTY capacity and some projects are at various stages of progress.
  - ✓ 36 discontinued/abandoned mines of CIL were selected for MDO tenders on revenue sharing basis. Out of 36 mines, 25 mines having 39.5 MTY proposed capacity have been awarded and rest of the mines are at different stages of progress.

- **Auction of Coal Block for Commercial Mining:**

CMPDI has played an important role in the auction of Coal Blocks for Commercial Mining conducted by Ministry of Coal. In identification of Coal Blocks to be offered for auction, CMPDI has contributed significantly in study of surface constraints, geo-technical factors, collecting opinion of prospective bidders etc. Mine Dossiers and Mine Summaries were submitted by CMPDI for the coal blocks selected by MoC for different tranches of auction. Additionally, important input data for tendering purpose were also made available to MoC by CMPDI for all these coal blocks. 126 coal blocks have been successfully auctioned till 11<sup>th</sup> tranche of auction by Ministry of Coal.

- **Environmental Services:**

- ✓ Environmental monitoring of 303 projects/clusters/establishments of CIL (ECL-16, BCCL-17, CCL-74, WCL-75, SECL-78, NCL-13, and MCL-30) was carried out through eight environmental laboratories located at Asansol, Dhanbad, Nagpur, Bilaspur, Bhubaneswar, Hasdeo, Jayant, and Ranchi.
- ✓ Soil Moisture Conservation (SMC) plan to mitigate the impact of proposed mining activity was submitted for Integrated Lakhnupur-Belphar-Lilari OCP, MCL. Further, draft Top Soil Management & Soil Erosion Plan was prepared for Kedla OCP & Magadh OCP, CCL.
- ✓ SOP for Identification of De-Coaled Lands for Repurposing Activities was prepared for CIL.
- ✓ Draft report on Assessment of Eco parks of CIL has been submitted.
- ✓ HPEC Report on Gainful Utilisation of OB was submitted to Ministry of Coal.
- ✓ Framework for simplification of EC process for UG Mines was developed for MoC/MoEFCC.

- **Coal Bed Methane (CBM) development in CIL:**

- ✓ In Jharia CBM Block-I under BCCL leasehold area awarded to M/s Prabha Energy Limited (PEL), currently under Exploration Phase, drilling of 5 Exploratory Core holes of Minimum Work Programme (MWP) has been completed.
- ✓ Project Feasibility Report of Jharia CBM Block-II under BCCL leasehold area has been approved by BCCL Board in October, 2024.
- ✓ Activities of S&T project "Reservoir Characterisation and Numerical Modelling of Coal Bed Methane Recovery and Prospects for carbon sequestration" have been completed. The project has been implemented by IIT Mumbai and CMPDI jointly. The Draft Project Report along with Recommendations have been submitted.
- ✓ Approval of CMPDI Board has been accorded for Memorandum of Understanding (MoU) to be signed with Directorate General of Hydrocarbon (DGH) for Exploration and Development of CBM and Other Unconventional Hydrocarbons jointly.

- **Coal Gasification:**

- ✓ A UCG R&D Project titled "A pilot project on Underground Coal Gasification (UCG) to establish technology in Indian geo-mining conditions" is being implemented by CMPDI, ECL and Ergo Exergy Technologies Inc. (EETI), Canada. The project comprises of Two (02) Phases. Phase-I Activities involving Site selection, Characterization and Technical Feasibility Studies w.r.t. UCG have been completed.

- ✓ Approval of CMPDI Board has been accorded for Memorandum of Understanding (MoU) to be signed with M/s. NeuRizer, Australia for Scientific Cooperation w.r.t development of Underground Coal Gasification in India.
- **Lab Studies:**
  - ✓ **CBM Lab:** Under Promotional Exploration Programme, studies in 16 boreholes for CBM and 5 boreholes for Shale Gas has been completed.
  - ✓ **Coal Characterisation Lab:**
    - Chemical lab analysed 60069 nos. of samples (104% of target) and processed 21072.62 metre coal cores for sample preparation (124% of target).
    - A total of 969 samples were analysed for Petrographic studies, against the target of 960 nos. of samples from exploration Blocks, NMET, Washery and CBM.
    - The laboratory has established non coal samples (Base metals) preparation unit comprising vibratory cup mills and automatic Jaw crushers for sample preparation of desired sample size requirements which is first of its type in CMPDI.
    - Under the process of Mineral identification in coal and non-coal, laboratory has established fully functional XRD laboratory facilities.
  - ✓ **MT Lab:** Tests have been conducted for determination of Physico-Mechanical properties (PMP) on 5044 drill core samples during FY 2024-25.
- **Project Management Consultancy (PMC) Services:**
  - ✓ Construction of hostel building at IICM is under progress.
  - ✓ Architectural and allied consultancy services with SQC (Supervision and Quality Control) for face-lifting of colonies including residential and service buildings with additional infrastructures to be developed in different areas of MCL is under progress.
  - ✓ Architectural and allied works with SQC (Supervision and Quality Control) for development of 3 nos. Eco parks at various locations of MCL is under progress.
  - ✓ Architectural and allied work with SQC (Supervision and Quality Control) for (i) Construction of Multi level car parking cum auditorium at WCL HQ, (ii) Construction of mini stadium at INDORA and (iii) Construction of school including residential quarters at Punwat village under Wani Area of WCL is under progress.
  - ✓ 4.0 MW solar power plant has been commissioned at CCL.
  - ✓ 6.05 MW solar power plant is under installation.
  - ✓ Tenders for aggregate capacity of 141.5 MW Solar Power Plant floated for CCL, WCL and MCL.
  - ✓ DPR/NIT for 22.5 MW solar power plant have been submitted for various subsidiary companies of CIL.
- **ISO Consultancy work:**
  - ✓ Consultancy for implementation & certification of ISO/IEC 27001- Information Security Management System in NCL.
  - ✓ Post certification support work to CCL, NCL & MCL for maintaining Integrated Management System Certifications of the company.
  - ✓ Consultancy to CCL in establishing & maintaining of ISO 50001:2018 – Energy Management System in 5 units of CCL.

- ✓ IMS Internal Auditor Training for NCL, MCL and NTPC.

- **Consultancy Services outside CIL:**

CMPDI has made significant strides in expanding its consultancy services outside of CIL (Coal India Limited), with impressive growth in both the number of projects and the value of contracts. Some key points summarizing its achievements and initiatives in FY2024-25 are:

- ✓ **Diversification of Services:** CMPDI has continued to diversify its consultancy services beyond CIL, targeting public sector organizations, government entities (both central and state), and private agencies. Over the last seven financial years, CMPDI has captured the largest share of jobs in both quantity and value.
- ✓ **Increase in Offers and Jobs:**
  - CMPDI communicated 213 job offers worth ₹252.32 crores to clients during FY 2024-25, reflecting a 50% increase year-over-year (YOY).
  - The company secured 140 consultancy jobs from outside CIL worth ₹130.03 crores, marking a 28.91% YOY growth.
- ✓ **Successful Job Completion:** CMPDI successfully completed 95 jobs with a total value of ₹22.89 crores during FY2024-25.
- ✓ **Expansion of Client Base:** CMPDI has significantly expanded its client base outside of CIL, over 50 new clients have been added during the FY2024-25.
- ✓ **Key Clients:** Some of the prominent clients CMPDI served in FY 2024-25 include Rungta Sons Private Limited, Gujarat Mineral Development Corporation Limited, WBPDCL (West Bengal Power Development Corporation Limited), Rajasthan State Mineral Exploration Trust, Bull Mining Private Limited, Twenty First Century Mining Private Limited, THDC India Limited, TPGCL, CESC Ltd and Government of Bihar.
- Websites on 'Hackathon on Coal Gasification' and 'Hackathon on R&D' were developed.
- CMPDI has developed e-Auction platform in association with NIC and has started Coal e-Auction on Single Window Mode Agnostic system for Subsidiaries of CIL from June 2023. The portal was formally inaugurated on 03.10.2023 by the Secretary, Ministry of Coal. Till March 2025, More than 7000 bidders have registered themselves in the coal e-auction portal. In the financial year 2024-25, CMPDI has successfully conducted 150 e-auctions for all subsidiaries of CIL for more than 88 million tonnes of coal. There is a major change in the SWMA coal e-auction scheme and to conduct coal auctions as per the modified scheme the portal is under development to accommodate the changes made in the auction scheme. From December 2024, the e-auctions in CMPDI's portal is discontinued. The portal will be ready very soon to conduct auctions as per modified scheme.
- NDT jobs of HEMMs & CHPs of various mines of NCL, CCL, ECL & WCL were completed successfully for FY 2024-25. In addition, Steel Wire Rope Testing of Man Riding / Chair Car Lift system of various UG mines of WCL & SECL through Magnetic Flux Leakage (MFL) method (newly added scope of NABL accredited NDT laboratory of CMPDI) were also completed successfully in FY 2024-25.
- **Establishment of 5G COE Use Case Test Lab at CMPDI, Ranchi:** CMPDI has established a dedicated “5G Use Case Test Lab” with Lab scale 5G Captive Non-Public Network (CNPN) at CMPDI HQ, Ranchi to test and refine the 5G use cases viz. 5G Mission Critical Communications, 5G AI Based Wireless CCTV system, 5G Drone based Remote Monitoring of coal mines, 5G connected Environment Sensors and 5G Vehicle IoTs

Devices and Sensors. The 5G COE Test Lab was inaugurated by the Hon'ble Minister of Coal on 09.01.2025.

- **Showcasing of 5G Captive Non-Public Network(CPN) with dedicated 5G Use case for Coal mining sector:** CMPDI has successfully demonstrated the implementation of 5G technology in Coal mining sector by showcasing 5G Captive Non-Public Network(CPN) with dedicated 5G Use case for Coal mining sector at Indian Mobile Congress-2024, New Delhi from 15<sup>th</sup> - 19<sup>th</sup> October, 2024. In this Mobile Congress, the 5G use cases showcased include 5G Mission Critical Communications, 5G AI Based Wireless CCTV system, 5G Drone based Remote Monitoring of coal mines, 5G connected Environment Sensors and 5G Vehicle IoTs Devices and Sensors and Virtual Reality (VR) application for 3D visualization of coal mines.
- **5G Captive Non-Public Network (CPN) for Integrated Voice, Video & Data Communication in Opencast Coal Mines** at Amlohri Opencast Mines, NCL, Singrauli is under implementation in which a full mine scale 5G CPN is under deployment with mine scale 5G based use cases namely Voice and video communication over private 5G, Surveillance and Tracking of Coal Mines with 5G enabled surveillance camera, Vehicle Tracking & Health Monitoring System, Virtual Reality (VR) application for 3D visualization of coal mines, 5G C-V2X based Collision Avoidance System for mine vehicles, 5G camera with AI powered Traffic Control at haul road crossings and Digital Twin of Load-Haul-Dump process in coal mines.
- **Hackathon on R&D:** CMPDI had successfully organized “Hackathon on R&D” in 2023-24 in 5 problem statements. Out of these, 3 R&D proposals viz. (i) Payload monitoring of loading equipment (Shovels / Excavators) displayed in operator's cabin – At Rajmahal OCP, ECL; (ii) Optimization of dust suppression in opencast mines – At Sonepur Bazaar OCP, ECL and (iii) Technology to detect the effect of blasting on Propagation of cracks in structures – At mines of NCL were sanctioned by MoC and are under implementation.
- CMPDI organized “Hackathon on Coal Gasification” in the six (6) problem statements to harness a vital natural resource to meet the energy and chemical needs of the nation, fostering economic independence and environmental sustainability. The top 3 winning teams for each Problem Statement were honoured for their outstanding conceptual solutions by Honourable Minister of State for Coal, Mr. Satish Chandra Dubey on 04.10.2024.
- CMPDI, on behalf of MoC, contributed for organizing the Smart India Hackathon (SIH) 2024 of AICTE- Ministry of Education. 4 problem statements including 3 software edition and 1 hardware edition were identified in which 500+ solutions were received which were scrutinized by the panel of experts from CMPDI. Shortlisted proposals were also judged by CMPDI experts.
- CMPDI prepared “Concept note on possibilities of setting up of non-coking coal washery along with reject based power plant in MCL, based on which work order has been awarded for “Preparation of Feasibility Report for Setting up of Integrated Kulda-Garjanbhal Non-Coking Coal Washery in MCL.
- Prepared Detailed Study Report for renovation of existing Kedla Washery (2.6 Mty), CCL
- CMPDI has registered for 2 nos. of Intellectual Property Right (IPR) for (i) An anti-corrosion coating for acidic dewatering pipes and System and (ii) Method for Determining Quality Parameters of a Coal Sample Using Hyperspectral Imaging. Further, one no. of IPR has been obtained for “An instrumented bolt wherein strains may be measured at designated locations”.

- CMPDI has successfully completed a Lightning Protection Study at Chitra OCP, ECL, and submitted a comprehensive report on the Adequacy Risk Assessment study of Chitra OCP, ECL.
- CMPDI has successfully designed a 1.5 MW Floating Solar Power Plant at Trench-1 of Sharda OCP, Sohagpur Area, SECL. **This will be SECL's first floating solar power plant.**
- CMPDI in association with Society of Geo-Scientists Jharkhand (SGSJ) organised a National Seminar on “**Mineral Exploration & Water Resource Management: Recent Trends**” with special focus on the state of Jharkhand” on 19.10.2024 at CMPDI, Ranchi with an aim to address pressing issues related to Strategic & Critical Mineral Resources and Water Resource Management, encompassing both surface and groundwater.
- A national webinar was jointly organised by CMPDI and INC-IAH (Indian Chapter – International Association Hydrogeology) of on 22<sup>nd</sup> March 2025 on the occasion of World Water Day with participants more than 100 and eminent speakers from Texas University, US and ISRO, India.
- Out of total procurement value (goods & services combined) of ₹374.65 crore during 2024-25, procurements from MSEs were ₹255.54 crore (68.2% of total). The % of procurement from MSEs is well above the mandated target.
- The MoU target of planned procurement from GeM for FY 2024-25 has been fully achieved.
- CMPDI was awarded the First Prize in the category - ‘SWATCHTA PAKHWADA’ at the 50<sup>th</sup> CIL Foundation Day 2024, at CIL, Kolkata.
- CMPDI received two awards for Special Campaign 4.0 as Best Performers, at the Chintan Shivir, 2.0, Ministry of Coal, organized at New Delhi, in the two categories viz. (i) New Initiative/Best Practice - “Solar Panel” and (ii) New Initiative/Best Practice - “Waste to Wealth”.
- **CSR (Corporate Social Responsibility):** Target of statuary provision of 2% of the average net profits of the preceding three years i.e. ₹7.01 crore, has been met. As per guidelines of DPE and CIL, major focus was given on ‘Healthcare & Nutrition’ for the FY 2024-25. Some of the major projects undertaken in FY 2024-25 include:
  - ✓ **Projects in Healthcare and Nutrition for improving facilities:**
    - Extending support to socio-economic underprivileged at Ranchi Cancer Hospital and Research Centre (RCHRC), Ranchi for detection of cancer being implemented by Tata Cancer Care Foundation (TCCF);
    - Organizing free eye screening and mobility aid camps in 2 Blocks (Purvi Tundi & Govindpur) in Dhanbad district.
    - **Badhte Kadam:** Elimination of disability from Clubfoot through Ponseti method in children, Jharkhand through Cure India Organization.
    - **Project Samriddhi:** Developing healthcare skills through General Nursing & Midwifery (GNM) in tribal blocks of Jharkhand
    - Providing essential medical equipment/ instruments to Ramakrishna Mission TB Sanatorium, Tupudana, Ranchi towards effectively rendering the health care services for the poor and needy suffering people from TB and other diseases.
    - Installation of water cooler within inbuilt R.O water system in Makka Panchayat, Murupiri Panchayat, and Chakme Panchayat under Burmu Block and Boreya Panchayat under Kanke Block of Ranchi district of Jharkhand.

- Identification and distribution of Aids and Assistive Devices to Persons with disability and senior citizens by ALIMCO in Chandrapur district of Maharashtra.
- Providing medical equipment to Chhattisgarh Institute of Medical Sciences (CIMS), Bilaspur (C.G.)
- "Aaharshaala": Provision of Canteen/Cafeteria building for Disabled Patients, Attendees, Staff, and Students at Swami Vivekananda National Institute of Rehabilitation Training and Research (SVNIRTAR)
- Providing Infrastructure Support to Sringi Rishi Old Age Home, Singrauli.

✓ **Other major projects:**

- Sponsoring 40 youths for Govt. recognized 2 years' diploma course in Ophthalmic Assistant at Lok Nayak Jai Prakash Para Medical Institute, Chauparan, Hazaribagh.
- Skill training for 40 unemployed /underprivileged youths by providing training on Bakery Making at Skill Development Institute, Bhubaneshwar (SDI-B) of Indian Oil.
- Job oriented Skill Development Training Programme in Plastic Technology (120 youths) for the benefits of youths from command areas of CIL/CMPDI through CIPET, Chandrapur.
- Medical Equipment Assistant Skill Training towards sustainable livelihoods in Dhanbad to 20 women.

- **In-House Training:** Approx. 829 employees have been trained in-house on different technical and non-technical subjects.
- **Apprenticeship Training:** Total 161 apprentices engaged in different disciplines consisting of 48 Degree Holders and 113 Diploma holders in various disciplines viz. Mechanical, Civil, Computer Science, Electrical Engg., Chemical, Electronics, etc. and are placed in different RIs & HQ of CMPDI for FY 2024-25.

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