



**Central Mine Planning &
Design Institute Limited**
(A Subsidiary of Coal India Limited)
A Mini Ratna Company (Cat-I)



ANNUAL REPORT & ACCOUNTS

2022-23



**Driving Energy Security.
Nurturing Sustainability.**

Our Commitment to the Nation.

48th Annual Report & Accounts 2022-23



CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

(A SUBSIDIARY OF COAL INDIA LIMITED)

A Mini Ratna Company (Cat-I)

AN ISO 9001:2015 CERTIFIED

**GONDWANA PLACE, KANKE ROAD
RANCHI - 834 031**

CIN : U14292 JH1975 GOI 001223

Website: www.cmpdi.co.in

Vision

To be the global market leader in an expanding Earth resource sector and allied professional activities.

Mission

To provide total consultancy in coal and mineral exploration, mining, engineering and allied fields as the premier consultant in India and also in the international arena.

Management Policy of CMPDIL

With a mission of exploration of coal and other mineral resources and providing consultancy in mine planning, design, associated engineering and management systems, CMPDIL, as a premier consultant, strives to be the market leader in the expanding earth resource sector and other professional activities.

We are committed to:

- 1. Continually improve the quality of our consultancy and other support services with due consideration of the environment, information security and energy performance;*
- 2. Protect the environment by minimizing the adverse impact of our activities on it by consistently reducing, reusing and recycling a part of the waste generated;*
- 3. Provide the resources for achieving the objectives and targets of the quality, environment, energy and information security management systems;*
- 4. Protect our information assets from threats and interruptions to maintain business continuity and continually improve information security performance;*
- 5. Comply with the legal and all other applicable requirements*

GENERAL NOTE FOR SHAREHOLDERS OF COAL INDIA LIMITED

The Annual Accounts of CMPDIL would be kept for inspection and also would be available at the Headquarter for providing information to any Shareholder of Coal India Limited on demand.

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BOARD OF DIRECTORS AS ON 31.03.2023

CHAIRMAN-CUM-MANAGING DIRECTOR



Shri Manoj Kumar

FUNCTIONAL DIRECTORS



Shri R.N. Jha



Shri S.K. Gomasta



Shri Shankar Nagachari



Shri Ajay Kumar

OFFICIAL PART-TIME DIRECTORS



Dr. B. Veera Reddy



Shri Manoj Kumar Gupta

PERMANENT INVITEE



Shri Ajitesh Kumar

COMPANY SECRETARY



Shri Abhishek Mundhra

MANAGEMENT DURING 2022-2023

FUNCTIONAL DIRECTORS

Shri Manoj Kumar	:	Chairman-cum-Managing Director (From 04.10.2021)
Shri Rabindra Nath Jha	:	Director (Technical) (From 30.01.2019)
Shri Satendra Kumar Gomasta	:	Director (Technical) (From 25.02.2020)
Shri Shankar Nagachari	:	Director (Technical) (From 02.09.2022)
Shri Ajay Kumar	:	Director (Technical) (From 26.10.2022)

OFFICIAL PART-TIME DIRECTORS

Dr. B. Veera Reddy	:	Director (Technical), Coal India Ltd., (From 24.02.2022)
Shri Mukesh Choudhary	:	Director (CLD), Ministry of Coal, (From 26.05.2020 to 07.12.2022)
Shri Manoj Kumar Gupta	:	Deputy Secretary (EA/CSR&W), Ministry of Coal (From 22.02.2023)

NON OFFICIAL PART-TIME DIRECTORS

Dr. Krishna Chandra Pandey	:	Independent Director (From 10.07.2019 to 09.07.2022)
Smt. Alka Panda	:	Independent Director (From 10.07.2019 to 09.07.2022)
Shri Pramod Singh Chauhan	:	Independent Director (From 16.10.2019 to 15.10.2022)

PERMANENT INVITEE

Shri Ajitesh Kumar	:	Director (P&S-I/P&S-II/NA) Ministry of Coal, New Delhi (From 13.01.2020)
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COMPANY SECRETARY

Shri Abhishek Mundhra	:	Manager (F) / Company Secretary (From 18.02.2016)
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MEMBERS OF THE BOARD AS ON 21.07.2023

FUNCTIONAL DIRECTORS

Shri Manoj Kumar	:	Chairman-cum-Managing Director
Shri Rabindra Nath Jha	:	Director (Technical)
Shri Satendra Kumar Gomasta	:	Director (Technical)
Shri Shankar Nagachari	:	Director (Technical)
Shri Ajay Kumar	:	Director (Technical)

OFFICIAL PART-TIME DIRECTORS

Dr. B Veera Reddy	:	Director (Technical), Coal India Ltd., Kolkata
Shri Manoj Kumar Gupta	:	Deputy Secretary (EA/CSR&W) Ministry of Coal, New Delhi

PERMANENT INVITEE

Shri Ajitesh Kumar	:	Director (P&S-I/P&S-II/NA) Ministry of Coal, New Delhi
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COMPANY SECRETARY

Shri Abhishek Mundhra	:	Manager (Finance) / Company Secretary
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CORPORATE INFORMATION

REGISTERED OFFICE

Central Mine Planning & Design Institute Limited,
Gondwana Place, Kanke Road,
Ranchi - 834 031 (Jharkhand), India
CIN: U14292 JH1975 GOI 001223
Website: www.cmpdi.co.in

BANKERS

State Bank of India
Union bank of India
Axis Bank
Canara bank
HDFC bank
ICICI bank
Punjab National Bank
Indian Overseas Bank
UCO Bank
Bank of India.

AUDITORS

STATUTORY AUDITOR

M/s K C Tak & Co., Ranchi

SECRETARIAL AUDITOR

M/s Mehta & Mehta., Mumbai

CORPORATE GOVERNANCE AUDITOR

M/s Mehta & Mehta., Mumbai

COST AUDITOR

M/s Vijender Sharma & Co., New Delhi

DEPOSITORY

M/s. National Security Depository Limited

REGISTRAR & SHARE TRANSFER AGENT

M/s. NSDL Database Management Limited

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NOTICE FOR THE 48TH ANNUAL GENERAL MEETING

Notice is hereby given to all the shareholders of Central Mine Planning & Design Institute Limited that the **48th Annual General Meeting** of the Company will be held on **Friday, 21st July, 2023 at 10:45 A.M. at Registered Office, Ranchi** through Video Conferencing (VC)/ Other Audio Visual Means (OAVM) to transact the following business: -

A. ORDINARY BUSINESS:

1. To consider and adopt the Audited Balance Sheet as on 31st March 2023, Profit & Loss Account for the Financial year ended on that date together with the Reports of Statutory Auditor & Comptroller & Auditor General of India and Directors' Report.
2. To confirm payment of Interim Dividend of Rs. 70.00 Crore (Approx.) i.e Rs.490.20 per share (Dividend per Share) paid on 14,28,000 equity shares of the Company in March 2023 and approve payment of Final Dividend of Rs.19 Crores (Approx.) i.e. Rs. 133.06 per Share (Dividend per Share) recommended by the Board in June, 2023 on 14,28,000 equity shares totaling to Rs. 89 Crores (Approx.) as dividend for the Financial Year 2022-23.
3. To appoint a Director in place of Shri Manoj Kumar (DIN: 09225497), Whole time Director who retires by rotation in terms of Section 152(6) of the Companies Act, 2013 and being eligible, offers himself for reappointment.
4. To appoint a Director in place of Shri R.N. Jha (DIN: 05195902), Whole time Director who retires by rotation in terms of Section 152(6) of the Companies Act, 2013 and being eligible, offers himself for reappointment.

B. SPECIAL BUSINESS:

1. **Ratification of Remuneration of Cost Auditors from Financial Year 2022-23 to Financial Year 2024-25 fixed by the Board of Directors.**

To consider and if thought fit, to pass with or without modification(s), the following resolution as an Ordinary Resolution:

“Resolved that the remuneration approved by the Board in its 261st Board meeting held on 22.09.2022 to the Cost Auditor, M/s Vijender Sharma & Co., from Financial Year 2022-23 to Financial Year 2024-25 at Rs. 4,40,000/- per annum plus applicable taxes for Cost Audit and travelling and out of pocket expenses reimbursement limited to 50% of total fees be and is hereby ratified.”

The Explanatory Statement pursuant to Section 102(1) of the Companies Act, 2013 in respect of the special business set out above is annexed hereto.

Notes:

1. Ministry of Corporate Affairs (“MCA”) vide its General Circular Nos. 20/2020 and 10/2022 dated 05th May, 2020 and 28th December, 2022 respectively and other circulars issued in this respect (collectively referred to as “MCA Circulars”) allowed, inter-alia, conduct of AGM through Video Conferencing/ Other Audio Visual Means (“VC or OAVM”) facility on or before 30th September, 2023 in accordance with the

Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



requirements provided in Paragraphs 3 and 4 of the MCA General Circular No. 20/2020. In compliance with the provisions of Companies Act, 2013 and MCA Circulars, the AGM of the Company is being held through VC/OAVM. The registered office of the Company shall be deemed to be the venue for the AGM.

2. Since this AGM is being held pursuant to MCA Circulars through VC/OAVM, physical attendance of Members has been dispensed with. Accordingly, the facility for appointment of proxies by the Members will not be available for the AGM and hence the Proxy Form and Attendance Slip are not annexed to this Notice. Members attending the AGM through VC/OAVM shall be counted for the purpose of quorum under Section 103 of the Act.
3. Pursuance of sections 112 and 113 of the Companies Act, 2013 representatives of the members may be appointed for participation and voting through VC or OAVM. For attending meeting through VC or OAVM, link shall be provided from the companies authorized e-mail ID well in advance and the facility for joining the meeting shall be kept open at least 15 minutes before the time scheduled to start the meeting and shall not be closed 15 minutes after such scheduled time.
4. Shareholders, Directors and Auditors including Secretarial Auditor of Central Mine Planning & Design Institute Limited (CMPDIL) are entitled to attend and/or vote at the meeting or may also attend and /or vote at the meeting through Video Conferencing (VC) or Other Audio Visual Means (OAVM) to convey their assent or dissent only at such stage on items considered in the meeting by sending e-mails to cosecretary.cmpdi@coalindia.in.
5. Members are also requested to accord their consent for convening the meeting at a shorter notice as per Section 101(1) of the Companies Act, 2013.

By Order of the Board of Directors

For Central Mine Planning & Design Institute Limited

Date: 17.07.2023

Place: Ranchi

DISTRIBUTION:

All the Shareholders

All the Directors of the Company

The Statutory Auditor of the Company

The Secretarial Auditor of the Company

The Cost Auditor of the Company

The General Manager (Finance)/CFO

(Abhishek Mundhra)
Company Secretary



Explanatory Statement pursuant to section 102(1) of Companies Act, 2013

Item No. B (1): Ratification of Remuneration of Cost Auditors from Financial Year 2022-23 to Financial Year 2024-25 fixed by the Board of Directors.

The Board of Directors of CMPDIL in its 261st meeting held on 22.09.2022 approved the appointment of M/s Vijender Sharma & Co., post recommendation of the Audit committee for undertaking the Cost Audit from Financial Year 2022-23 to Financial Year 2024-25 at a fees of Rs. 4,40,000/- per annum plus applicable taxes and travelling and out of pocket expenses reimbursement limited to 50% of total fees. Pursuant to Section 148 of the Companies Act, 2013 read with Rule 14 of the Companies (Audit and Auditors) Rules, 2014, the remuneration of the Cost Auditors recommended by the Audit Committee and approved by the Board of Directors needs to be ratified subsequently by the shareholders in the General meeting.

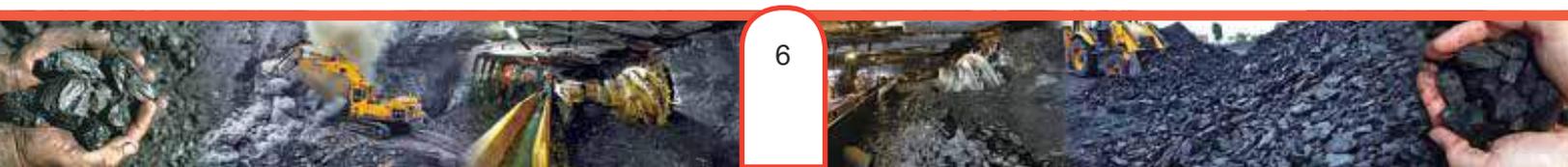
None of the Directors and Key Managerial Personnel or their relatives is interested or concerned in the resolution.

The Board recommended the resolution for the approval of the members.

By Order of the Board of Directors
For Central Mine Planning & Design Institute Limited

Date: 17.07.2023
Place: Ranchi

(Abhishek Mundhra)
Company Secretary





CHAIRMAN'S STATEMENT

Shri Manoj Kumar
Chairman-cum-Managing Director

Dear Shareholders

I have great pleasure in extending very warm welcome to all of you to the 48th Annual General Meeting of CMPDIL and present to you the Annual Report of your Company for the Financial Year 2022-23. The Report of Directors and the Audited Accounts of your Company for the period ended 31st March, 2023 together with the Report of the Statutory Auditors and the report & review of the Comptroller and Auditor General of India have already been provided to all the shareholders of the Company.

1.0 The growth Profile:

CMPDIL was originally conceived and proposed in 1972 by a joint study group with the Polish Experts as a comprehensive planning set-up under one roof for entire Indian mining industry. Subsequently, CMPDIL was established on 1st November, 1975.

Your company has been rendering in-house consultancy services to CIL and its subsidiaries in the areas of coal exploration, mine planning & design, environmental engineering, coal beneficiation & utilization, allied engineering services, information and communication technology, human resource development, remote sensing, field services, etc. Similar services are also being provided to 'Other than CIL' clients. Planning and related services are also being provided to some extent to metal mining sectors. Additionally, CMPDIL also renders services to Ministry of Coal and MoP&NG pertaining to Non-CIL blocks, coal based non-conventional energy resources i.e. Coalbed Methane, Shale Gas, Surface Coal Gasification, etc.

Over the years after formation of CMPDIL, the level of expertise of its planners and engineers was raised through bilateral agreements with foreign institutions of advanced coal mining countries like Giproshakht of erstwhile USSR, KOPEX of Poland and British Mining Consultants of the UK for carrying out joint planning exercises for large opencast and underground projects. In addition to enhancing the level of expertise of CMPDIL personnel, significant build-up of infrastructural facilities was also undertaken by establishing computer and laboratory facilities. All these measures ensured the company a unique position in the mineral and mining sector as a total solution provider under one roof. However, with the



changes in the business environment worldwide, such bilateral arrangements lost significance and momentum in 1990s. Erosion of the company's strength in terms of expert manpower also started taking place in the 90s due to superannuation of individuals, transfer to other CIL subsidiaries and non-induction of young engineers over a considerable period. Moreover, changing business scenario and consequent changes in opportunities in the mining sector within the country and abroad fueled exodus of experts mainly after 2000 which continued for next 5-6 years. However, the company has been highly committed in overall upgradation of its services and facilities to a level par excellence so as to keep pace with the changing scenario of business environment in India as well as abroad. This very assertion is well substantiated by the fact that the company has been actively involved in enhancing the pace of exploration through deploying 2D/3D seismic survey technologies, high productive drill machines as well as for the computerization of the work place to the extent possible along with the use of latest software related to exploration and mining industry apart from addition of equipment particularly related to environmental facilities, characterization of coal as well as introduction of ISO standards.

Capacity of drilling, one of the core activities of CMPDIL, which enables projectisation of coal blocks for future production requirement, was hovering around 2 lakh meter per annum (2.02 lakh meter in 2004-05 to 2.09 lakh meter in 2007-08) and sales was also around ₹150 crore to ₹200 crore (₹151 crore in 2004-05 and ₹196 crore in 2007-08). The contribution in drilling was from departmental resources only. In the beginning of the XI Plan, it was conceived that CMPDIL would need substantial expansion in its role, particularly in the field of exploration, in view of need for faster proving of resources. Accordingly, apart from addition in the departmental drilling capacity, enhancement by way of using the drilling capacities of other agencies including MECL was emphasized and a part of the drilling activities was started being outsourced to private agencies. Parallely, expansion in the coal core testing capability of CMPDIL was also carried out. Moreover, capacities of other laboratories like Environment, CBM, Mining Technology, etc., were also enhanced through upgradation with indigenous and imported equipment.

Subsequently, the administrative ministry i.e. Ministry of Coal also came up with a scheme for enhancing the exploration capacity of CMPDIL where the total drilling capacity was to be raised to a level of 15 lakh meter by 2015-16 including the departmental drilling capacity of 4 lakh meter. CMPDIL achieved 11.26 lakh meter of drilling in 2016-17 with a growth of 13% over previous year, 13.66 lakh meter of drilling in 2017-18 with a growth of 21% over previous year, achieved 13.60 lakh meter of drilling in 2018-19, 12.94 lakh meter in 2019-20, 12.48 lakh meter in 2020-21 and 7.91 lakh meter in 2021-22.

During 2022-23, 6.85 lakh meter of drilling was carried out against the MoU target of 7.00 lakh meter. The reduction of drilling target and corresponding achievement since 2021-22 were mainly due to reduction in fund provided by Ministry of Coal, Govt. of India under Central Sector Scheme (CSS) for exploration in Non-CIL and Promotional blocks as well as lesser meterage availability in CIL blocks. However, efforts are being made for enhancing drilling through NMET (National Mineral Exploration Trust) funding since 2021-22. CMPDIL had submitted 24 proposals of coal exploration during 2021-22 and 8 proposals during 2022-23, out of which 16 and 8 proposals respectively, were approved by NMET. Similarly, CMPDIL also submitted 2 proposals of Non Coal mineral during 2021-22 and 5 proposals during 2022-23. Out of this, 1 proposal during 2021-22 and 3 proposals during 2022-23 were approved by NMET. In the meanwhile, the EFC has recommended for funding for next 4-5 years in respect of exploration activities under the two Central Sector Schemes which will increase the achievement under exploration in coming 4-5 years.

Parellely, CMPDIL has proactively resorted to diversification of its services and client base pertaining to outside clientele (including Private companies, State Govt., Central Govt., MOC, Public Sector Undertakings, Mine Developer and Operator, and Overseas Company) which has resulted in generation of the highest revenue ever of more than ₹ 68 crores during FY 2022-23 as compared to ₹ 32 crores in the last FY 2021-22.

CMPDIL has developed two new services viz. Scientific Sand Replenishment study and Soil Moisture Conservation study for the first time in India and adopted a new business model of providing C2C services as Project Management Consultant.

Adding on to the qualification of Hydrogeology, CMPDIL has acquired the accreditation from CGWA in Ground Water Modelling also in addition to previously obtained accreditation of Comprehensive Report preparation, thus providing complete services in Hydrogeology under one roof to mining sector.

With the diversification, the distinctiveness of the company would be kept preserved for the interest of the coal sector as a whole in foreseeable future.

2.0 Financial Performance:

During the financial year 2022-23, your company has achieved turnover of Rs. 1386.09 crore, with a profit before tax of Rs. 366.95 crore, other comprehensive income of Rs. 25.95 crore). The net worth excluding capital reserve of your company has risen to Rs. 1217.65 (including OCI of Rs. 58.04 crore) as on 31.03.2023. During the financial year, the earning per share has gone up to Rs. 2077.45 (computed on 14,28,000 shares) from Rs. 1975.63 (computed on 14,28,000 shares) a year back.

3.0 Drilling and Seismic Survey Performance:

During 2022-23, about 6.85 lakh meter of drilling was carried out against the MoU target of 7.00 lakh meter which includes drilling of about 4.21 lakh metre through departmental drills with productivity of about 578 metre/drill/month. About 609 line km of 2D/3D seismic survey was carried out during 2022-23 which includes about 163 line km of 2D/3D seismic survey through departmental resources, a major jump over previous years achievement.

About 10 Billion Tonnes of additional coal resources were added to the 'Proved category', through Detailed Exploration covering an area of about 383 sq km through 29 Geological Reports.

4.0 Project Reports:

During the year under review, a total of 39 Project Reports (PRs) have been prepared with incremental capacity addition of about 87 million tonnes per year. Out of these 39 PRs, 24 PRs are of opencast projects, 13 PRs are of underground projects and 2 PRs are of mixed (opencast and underground) projects. Out of 39 PRs, one PR (UG project) has been planned for Non-CIL mine. 24 opencast PRs includes 4 mega-opencast projects (capacity 10 Mty and above), viz. Kedla OC (10 Mty), Karo Expansion OC (11 Mty), Bhubaneswari Expansion OC (50 Mty) and Kusmunda Expansion OC (75 Mty). All the 13 UG PRs (including 1 Non-CIL PR) and the UG part of the 2 Mixed PRs have been planned with Continuous Miner technology.



5.0 Upgradation of Laboratories:

Capacities of all the laboratories in CMPDIL have been upgraded. The Geo-chemical lab is currently implementing its scheme on augmentation of capacity of coal core analysis by introducing automation in sample preparation unit and by addition of rapid analyzers which will cater to handling of larger numbers of analysis. The lab will process around 24000 meter of coal cores annually when on full operation. 7 out of 9 equipment have been procured under this scheme and the rest are scheduled to be procured in FY 2023-24. The laboratory, at present, is equipped with manual/semi-automatic sample preparation units, Proximate Analyzers, Ultimate Analyzers, Bomb Calorimeters, Ash fusion temperature range Analyzer, HGI Apparatus, etc. The lab is also equipped with X-Ray Fluorescence system (XRF) facility which enables for performing Ash Analysis and trace elements study. Direct Mercury Analyzer for determining Mercury (Hg) content in liquid and solid samples is also available. Instruments such as Swelling Index, LTGK, Plastometer are also available for determining coking properties of coal. The petrography lab is equipped with Advance Petrological Microscopes for carrying Petrographic studies in which the maceral content (Coal type) and reflectance percentage (Rank/Maturity) of coal samples are determined. Petrographic studies are imperative for ascertaining the suitability of given coal as blends in coke making. One Scanning Electron Microscope is also installed which is used for micro-area analysis of CBM assessment.

One Chemical Analysis lab has also been set-up at CMPDIL, RI-VII, Bhubaneswar. To further enhance the coal core processing capacity, the Geo-Chemical laboratory has empanelled 2 nos. of private laboratories capable of analysing coal cores of 20,000 m for 2 years till FY 2023-24.

The Geo-chemical laboratory is accredited with NABL certification in accordance with the standard ISO/IEC 17025:2017 for its facilities in the field of "TESTING" in 12 different scopes. The Petrographers in Petrography Lab have been certified by International Committee of Coal and Organic Petrology (ICCP).

Re-accreditation of Coal & Mineral Preparation (CMP) Laboratory was obtained on 19.07.2022. Accreditation by such recognized body is considered as an essential step for facilitating mutual acceptance of test results. NABL, continued accreditation to NDT laboratory of CMPDIL HQ, based on ISO/IEC 17025:2017 for its facilities/scope, in the field of Non- Destructive Testing. NDT Cells have been established at different Regional Institutes of CMPDIL, with proper equipment and resources. Steps are being taken for getting NABL Accreditation to labs of Regional Institutes also.

The existing Environment Laboratories have been strengthened with state-of-the-art equipment. Environment labs of CMPDIL HQ, RI-I, RI-II, RI-IV, RI-V and RI-VII are accredited by NABL as per the ISO/IEC 17025:2017 accreditation scheme with the addition of 21 new parameters to the existing scope of accreditation. CPCB recognition under Environment (Protection) Act, 1986 of Environment Lab of CMPDIL HQ has also been received. Environment Laboratory at CMPDIL HQ has further obtained accreditation for Occupational Health and Safety Management System (OHSMS) as per IS/ISO 45001:2018.

A state of the art CBM Lab is functional at CMPDIL to facilitate generation of all parametric data related to CBM/Shale gas related studies, reservoir characteristics and assessment of CBM and Shale gas resources. Further, to enhance the capacity and capabilities of CMPDIL,

two simulation software i.e. SIMEDWin and COMET3 have been procured.

6.0 Manpower Induction:

Manpower requirement of Exploration, Planning and Design as well as allied engineering services have been partially addressed. During 2022-23, 24 nos. of executives have been posted in CMPDIL through transfer, promotion & recruitment and 25 nos. of non-executives have been posted in CMPDIL through recruitment / compassionate employment / transfer from other subsidiaries.

Moreover, efforts for transfer of qualified manpower from other subsidiaries to cater to the present and future workload of mine planning in CMPDIL is being taken.

7.0 Geomatics Services:

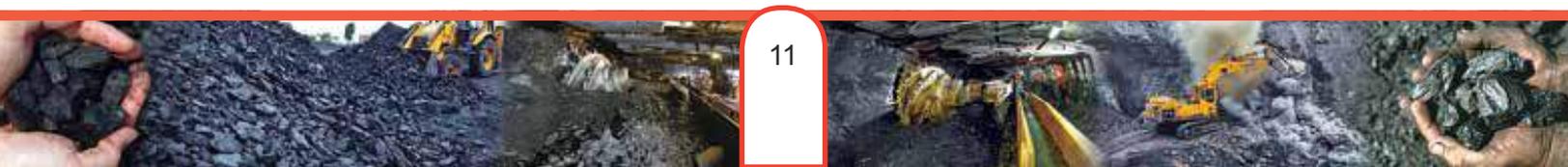
Satellite surveillance for land reclamation monitoring of opencast coal mines of CIL having production more than 5 million m³ (Coal+ OB) per annum is being carried out on annual basis since 2008. Further to this, land reclamation monitoring of opencast coal mines of CIL having production of less than 5 million m³ (Coal+ OB) per annum was also taken up from the year 2011 in phased manner at an interval of three years.

Accordingly, Land Reclamation Monitoring based on satellite data for 101 opencast projects and 9 clusters of different subsidiaries of CIL coming under different categories has been done during the year 2022-23. Vegetation cover mapping of six coalfields were also carried out during the year. Land Use / Cover Mapping of Core and Buffer Zone of 32 opencast projects were carried out based on satellite data. Land Use / Cover Mapping for the leasehold area of 13 UG projects of SECL was also completed during the year for compliance with requirement of MoEF&CC.

CMPDIL 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. Some major projects executed during FY 2022-23 include Terrain Mapping of Unstable Sites in Jharia Coalfield for Jharia Master Plan; Drone based acquisition of real time video footage for four projects of CCL for MoEF Compliance; Terrain mapping of the newly constituted Blocks - C, D & E of Jharia Coalfields; Drone based Thermal Survey in Kaju OCP, CCL; Drone based Survey for Soil Moisture Conservation Studies for NALCO, VEDANTA & SCCL; Drone based Survey for WBPDCIL in DPDH Block; acquiring data through Drone for Sand Replenishment Studies in 26 districts of UP, etc.

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) have been completed and reports have also been submitted. OGL/excavation measurement jobs have been done in Dulanga & Talaipalli Coal Mining Projects of NTPC, Amelia Coal Mining Project of THDC, Reject Yard of Mahaveer Coal Resources Pvt. Ltd.

DGPS method was used for data acquisition for Sand Replenishment Studies in 4 rivers viz. Son, Phalgu, Kiul & Chanan rivers of Bihar and various sites in Yamuna, Ken and Bagein Rivers in Banda District of UP. Gyroscopic Survey for Tunnel Alignment using GYROMAT 3000 in Sivoke-Rangpo Rail Link Project, West Bengal for IRCON and ITD Cementation has also been successfully completed.



8.0 Assistance for setting up of coal washeries:

CMPDIL offers technical services for Greenfield coal washeries, right from preparation of conceptual reports to award of works for new washeries and modification/modernization of existing washeries. These services encompass exhaustive laboratory studies, preparation of Detailed Project Report (DPR) and Pre-feasibility Report (PFR)/Conceptual Report (CR), bid process management, contract document preparation and assistance in award of works followed by scrutiny of drawings during project execution.

A Comprehensive report in respect of quality parameters of coking coal mines under command area of BCCL has been prepared and submitted to CIL in November 2022 and has been uploaded on BCCL website. Further, an R&D project namely “Design of cost-effective process flowsheet for improved washing efficiency of Indian Coking and Non-coking coals” was completed and the project completion report was accepted by R&D Board of CIL on 28.07.2022.

A draft report to sort out issues related to coking coal demand has been prepared by Committee constituted by MoC under the joint chairmanship of CMD, CMPDIL and CMD, MECON and the report is under finalization stage. A Draft Policy Framework for private parties setting up washeries independently for buying coal from Coal India Limited has also been prepared and is under finalization.

9.0 Environmental Services:

During 2022-23, 66 nos. of reports i.e. 30 nos. of Draft EIA/EMPs/Addendum EIA/EMP (Environmental Impact Assessment/Environment Management Plans) and 36 nos. Form-I/Form-IV/Form-VI were prepared and Environmental Monitoring (air, water and noise) of 299 projects/clusters/establishments of CIL were carried out through nine environmental laboratories located at Asansol, Dhanbad, Nagpur, Bilaspur, Kusmunda, Hasdeo, Jayant, Bhubaneswar and Ranchi. Some specialized works like carrying capacity studies, riverine eco-system studies, ecological studies of reclamation sites, design of Sewer Network, STP and ETP were also undertaken by CMPDIL.

Reports on ‘Carbon footprint of CIL mines and road map to carbon neutrality’ and ‘Environment Sustainability in Coal PSU - Present Status and Way Forward’ were prepared and submitted under SDC for MoC. CMPDIL also rendered its services to SCCL for carbon footprint analysis and road map for carbon neutrality. Further, CMPDIL has prepared and submitted reports on ‘Best Global Practices for Just Transition in Coal Sector’ under India’s G20 Presidency.

Scientific sand replenishment studies for 26 districts in the State of Uttar Pradesh and for 4 rivers in the State of Bihar (covering 11 districts) was undertaken. CMPDIL has also undertaken soil and moisture conservation studies for the first time for 4 projects in compliance of forestry clearance conditions.

CMPDIL has invented a “System and Method for Controlling Generation and Movement of Fugitive Dust” and obtained patent for the same in December, 2022. This system can be used in mines, thermal power plants, railway sidings, ports, construction sites, wherein, coal or other minerals/fugitive materials are stored under open sky. Apart from reducing the dust generation from open sources, it will also provide noise attenuation.

Further, CMPDIL is continuing its accreditation as Environmental Impact Assessment (EIA) consulting organization by Quality Council of India (QCI), New Delhi for mining of minerals including opencast/underground Mining, Thermal, CBM and coal washery sectors to render its services to CIL and other organization spread across India for EIA studies.

10.0 Alternative source of coal based energy:

CMPDIL continued its efforts for facilitating commercial development of coal based non-conventional energy resources and is pursuing commercial and R&D projects with national/international organizations. On behalf of CIL & its Subsidiaries, CMPDIL is pursuing development of Coalbed Methane (CBM) in CIL leasehold areas.

Accordingly, steps have been taken by CMPDIL for delineation of potential CBM blocks within mining leasehold of CIL Subsidiaries in consultation with Lessee (subsidiary) and CIL for commercial exploitation of Coal Bed Methane (CBM). Gassy seams generally occur in Damodar Valley coalfields and Sohagpur coalfield. Initially, three CBM blocks, namely (i) Jharia CBM Block-I (BCCL area), (ii) Raniganj CBM Block (ECL area) & (iii) Sohagpur CBM Block (SECL area), have been delineated by CMPDIL in CIL leasehold areas for commercial development of CBM.

CMPDIL is the Principal Implementing Agency (PIA) for the development of CBM under Memorandum of Agreement (MoA) with respective subsidiary companies. In-principal approval of Project Feasibility Report (PFR) of Jharia CBM-I Block (BCCL Area), Raniganj CBM Block (ECL Area) & Sohagpur CBM Block (SECL Area) were given by the respective Subsidiary Board for commercial extraction of CBM through CBM Developer (CBMD).

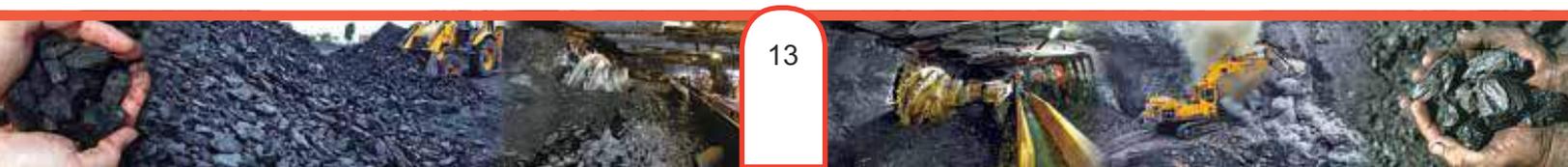
Jharia CBM Block-I has been awarded to M/s Prabha Energy Private Limited as CBM Developer (CBMD) selected through Global bidding and revenue sharing contract was signed on 20th Sep, 2021. The Block is under Exploration Phase. Efforts are being made for possibilities of development of another two blocks i.e. Raniganj CBM Block & Sohagpur CBM Block-I.

Our Hon'ble Prime Minister's vision is to use 100 Million Tonne of coal for coal gasification by 2030. In view of above directive, ECL, SECL and MCL intend to set up a Coal to Chemical/fertilizer & Potential Downstream Product(s) Plant through Coal Gasification on JV mode with GAIL, IOCL & BHEL and WCL on Build-Own-Operate (BOO) basis. Pre-Feasibility Reports (PFRs) have been prepared for gasification projects of ECL, MCL and SECL. The final products envisaged for the three projects are SNG, Ammonium Nitrate and DME. CMPDIL is the Principle Implementing Agency (PIA) for carrying out the job related to the development of the gasification Projects at ECL, WCL & SECL.

Considering the foregoing, the tenders for the selection of BOO processor for 'Coal to Ammonium Nitrate' Project at WCL has been floated on 6th March, 2023.

11.0 S&T projects and R&D projects:

CMPDIL is the Nodal Agency to coordinate research activities funded under the S&T Grant of the Ministry of Coal and R&D Board of CIL. Besides coordination of different R&D works being carried out by various academic and research institutes/organizations, CMPDIL, with its well-established laboratories, is also undertaking research in key areas of coal/lignite mining industries like coal exploration; development



of coal-based non-conventional energy resources like Coal Bed Methane (CBM), Coal Mine Methane (CMM), Coal gasification, Shale gas assessment; coal beneficiation & utilization; improvement of production, productivity, and safety in mines; protection of mine environment and ecology; alternative use of coal and clean coal technology; innovation and indigenization, etc.

Over the years, many research projects have yielded considerable benefits resulting in operational improvement, safer working conditions, better resource recovery, and protection of the environment. While some research projects have produced a tangible impact on the industry directly, there are others that have strengthened mine planning, design, and technical services required by both operating mines and future mining projects.

During 2022-23, 9 nos. of research projects have been completed. These completed research projects pertain to “Capacity Building for extraction of CMM Resource within CIL Command Areas”; “Development of Coal Quality Exploration Technique based on Convolutional Neural Network and Hyper-spectral Images”; “Modelling and design of indirect coal gasification reactor for high-ash Indian coals”; “Design and Stability of Pillars/Arrays of Pillars for Different Mining Methods in Coal Mine Workings”; “Development of a methodology for regional air quality monitoring in coalfield area using satellite data and ground observations”; “Bench Scale Study on reducing ash content (mineral matter) from Washery Grade coking coal and high ash non-coking coal through oil agglomeration”; “Development of Guidelines for increasing the height of Overburden Dumps at Opencast Coal Mines in India”; “To develop an Artificial Intelligence (AI) based machine learning solutions to enable prediction of occurrence of fire in Open Cast mines extracting locked coal pillars with safety” and “Development and adoption of Real-Time Prognosis System (RTPS) for cost effective safe operation of mobile machinery: show-cased demonstration of dumper fleet”.

Continuous interactions are being made with research organizations/ academic institutions in India & abroad and coal/lignite producing companies to encourage them to submit need-based research proposals beneficial to CIL for its long terms sustainability. CIL is intending to increase its outreach and involve more world-class scientific and research institutions in India and abroad in R&D activities so that it can fulfill the aspirations of the country by being Atma-Nirbhar. Different research organizations/ academic institutions have been requested to encourage the participation of experts & young scientists from their talent pool through quality & credible research projects & initiatives in the energy sector for funding by the Ministry of Coal & Coal India Limited.

Emphasis is being made on diversification of R&D initiatives by taking up new projects in the field of environmental sustainability, energy management & digitization, reduction of carbon emission, renewable energy, use of AI & IoT, waste to wealth creation, deployment of new techniques in exploration, etc.

A website (<https://scienceandtech.cmpdi.co.in>) has been designed for S&T research in the coal & lignite sector to promote Research & Development (R&D). On the above website, information related to completed and ongoing research projects including guidelines for implementing coal research projects are available.

At present, there are 41 ongoing research projects being executed in association with reputed organizations like IIT, Bombay; IIT-ISM, Dhanbad; IIT, Kharagpur; IIT, Roorkee; IIT, Kanpur; IIT, BHU, Varanasi; IIT, Guwahati; NRSC, Hyderabad; Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore; NML, Jamshedpur; CIMFR, Dhanbad; NIT, Nagpur; SCCL; Punjab University, Chandigarh; School of International Studies (SIS), Jawaharlal Nehru University (JNU), New Delhi; Duke University, USA; CSIRO, Australia; SIMTARS Australia; University of New Castle, Australia; LTU, Sweden, etc.

A leaflet, highlighting the outcomes of some successfully completed research projects having the potential of their replication, has been prepared and distributed to all stakeholders to promote the outcomes. In addition, a short film on successfully completed projects having the potential of their replication was showcased in the First Mining Conclave held in October 2022 in New Delhi. A special R&D issue of Mine-Tech highlighting the outcomes of some completed projects having the potential of their replication was showcased in the First Mining Conclave held in October 2022 in New Delhi. A special R&D issue of Mine-Tech highlighting the outcomes of some completed projects having potential for replication has also been published in January 2023. An awareness program under the Chairmanship of Director (Tech.), CIL was held on 9th January 2023 to encourage the submission of need-based research proposals beneficial to CIL for its long term sustainability.

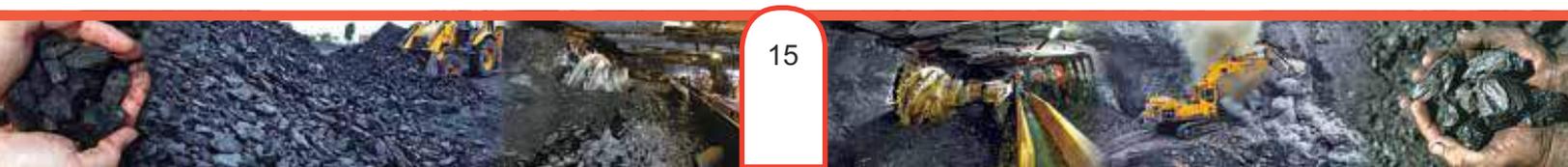
12.0 Corporate Social Responsibility and Sustainability:

CMPDIL is constantly striving for the welfare and upliftment of its surrounding communities and general public life under its Corporate Social Responsibility (CSR) policy along with its business objectives. In the last few years, CMPDIL has taken various initiatives in the areas of health, education, skill development, environment and sanitation, infrastructure, etc. for development and upliftment of the communities around its Headquarters, Regional Institutes and Drilling Camps under CSR. CMPDIL has done a commendable job and ensured its commitment by spending more than the target.

Major activities carried out under CSR during the year 2022-23 include skill development training to 430 underprivileged/unemployed youths of Jharkhand, Maharashtra, Orissa and Chhattisgarh as machine operators, providing vaccine boxes to 2000 Pashu-Sakhis of Jharkhand for assistance in livelihood promotion, training of 20 youths of Jharkhand in 2-year diploma program in eye assistant, skill-development training to 100 youths by Footwear Design and Development Institute, providing equipment for health care of animals of Nandan Kanan Zoo, arrangement of equipment for District Hospital Ranchi, arrangement of toilets and solar lights in Misirgonda of Ranchi, arrangement of toilets in schools, arrangement of auxiliary equipment for the specially abled in Maharashtra, Jharkhand and Chhattisgarh, etc.

13.0 Consultancy Services in Management System standards:

CMPDIL is facilitating for implementation of Management System standards in all subsidiaries of Coal India Limited and providing consultancy services for application of different Management System standards, like ISO 9001, ISO 14001, ISO 45001, ISO 50001, ISO/IEC 27001, ISO 37001, etc. We provide guidance and support in establishment & documentation of the system, awareness towards the documented systems, trainings, internal auditors training, auditing supports, implementation,



certification support as well as post certification support for effective implementation of these management system standards.

CMPDIL, with all its Regional Institutes, has been licensed by Bureau of Indian Standards for ISO 9001:2015 – Quality Management System (QMS) after verifying the compliance of the requirements of ISO 9001:2015 standard. The present IMS Manual of CMPDIL addresses the requirements of ISO 9001- Quality Management System, ISO 14001- Environment Management System, ISO 27001- Information Management System and ISO 50001 – Energy management System. CMPDIL HQ, Ranchi has also implemented ISO 37001:2016 – Anti Bribery Management System.

Under our guidance & support, CIL HQ, Kolkata has got certification against ISO 9001:2015, ISO 14001:2015 and ISO 50001:2018 from Bureau of Indian Standards.

As on 31st March 2023, five Subsidiaries of CIL i.e. ECL, CCL, NCL, MCL and WCL (83 units) are certified for Integrated Management System (ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018). NCL is also implementing ISO/IEC 27001 – Information Security Management System implementation and is in the process of obtaining certification under the guidance of CMPDIL.

14.0 Consultancy-other than CIL

In FY 2022-23, we have secured 84 outside-CIL consultancy jobs worth more than ₹39 crores from 39 organizations outside CIL, which includes consultancy jobs from NTPC, Govt. of UP, Sushee Chandragupta Coal Mine Private Limited, Adani Enterprises Ltd., NMDC, THDC, MIMIPL, ICVL etc. Further, offers worth more than ₹157 crores have been sent to the outside clients in FY 2022-23, which shows a significant rise of about 82% over previous year, which in itself, shows a massive progress in securing new clients. Furthermore, we have recently obtained an overseas job from client named ICVL and that is a step forward in establishing CMPDIL as a global leader in the stream of providing the best possible consultancy services.

Presently, 65 outside CIL consultancy jobs are being executed by CMPDIL for 38 organizations like CESC, NTPC, NLC, Minerals Labs Services Ltd., JMS Mining Private Ltd., NMDC, TSMPL Ltd., SCCL, DGM (Govt. of Bihar), WBPDC, OMC, OMDC, etc.

In FY 2022-23, 67 outside CIL consultancy jobs were successfully completed by CMPDIL for 34 organizations outside CIL. Some of the major clients were UCMIPL, NALCO, TFL, PFCCL, SAIL, EMIL, NTPC, Vedanta Ltd, Govt. of UP, etc.

15.0 Information and Communication Technology services

A dashboard, Koyla Darpan, for MOC is being maintained which has information on Indian coal and lignite. Colony maintenance portal for whole of CIL has been developed and is ready for implementation.

ERP with its 6 modules namely HCM, FICO, PM, PS, MM and SD has been implemented in CMPDIL. Primary MPLS connectivity with 100 Mbps bandwidth at HQ, DC & DR and 40 Mbps bandwidth at RIs has been established by RailTel Corporation. Secondary MPLS connectivity with 100 Mbps bandwidth at HQ and 40 Mbps bandwidth at RIs has been established by BSNL.

CMPDIL has upgraded the e-Office for entire Coal India Limited in new infrastructure. A portal for uploading of invoices from CMPDIL HQ and RIs has been developed which facilitates our client CIL subsidiaries to download the invoices and quickly process them. This will minimize the delay in payments of invoices to CMPDIL.

Online Quarter Allotment portal for CMPDIL has been developed and is ready for implementation. Underground and Opencast Mine Capacity Assessment applications have been developed and deployed for seamless entry of equipment data.

Data Analytics Software (SAS) has been introduced for enhancing productivity. To begin with, three projects have been identified in collaboration with CIL for Data Analytics applications. Various meetings with CIL, CCL and NCL have been held and a workshop has been arranged at IICM on the subject. Two use cases for CMPDIL are under User Acceptance Testing (UAT). It is expected that Data Analytics as a tool shall be used by all the subsidiary companies constructively to enhance efficiency.

16.0 Recognition and Awards:

The Government of India recognized the contribution and relevance of CMPDIL and conferred it with the status of a Mini Ratna (Category-I) in 2019 in accordance with the provisions of the Department of Public Enterprise's (DPE's) guidelines in their O/M No. 11/36/97-Fin dated 09-10-1993. The DPE's directions provide for grant of enhanced autonomy and delegation of powers to the profit-making Public-Sector Enterprises (PSEs) as a policy objective for making the public sector more efficient and competitive. Impressive performance of CMPDIL got reflected in getting Excellent MoU (between CIL & CMPDIL) rating consistently since 2007-08 (barring 2010-11, 2018-19 and 2020-21). MoU for 2021-22 with tentatively assessed Excellent rating is under process of evaluation and approval at CIL.

17.0 Corporate Governance:

The conditions of Corporate Governance, as stipulated in the guidelines on Corporate Governance for Central Public Sector Enterprises issued by Department of Public Enterprises, Govt. of India, have been complied with by CMPDIL. A separate section on Corporate Governance has been added to the Directors' Report and a certificate of compliance of conditions of Corporate Governance from the Statutory Auditors of the Company is annexed to Directors' Report.

18.0 Acknowledgement

All these achievements could be possible because of the concerted efforts of employees of your company, wholehearted support from members of Trade Union (JCC) and Officer's Association as well as the help extended by CIL and Ministry of Coal. I believe that the kind of employee involvement, commitment and level of expertise now available in the company would be a source of great comfort for the future commitments. I am confident that we shall continue to move forward for achieving greater heights in future and meet the challenges as well as expectations of the shareholders with our dedicated commitment and performance at all levels as in the past.

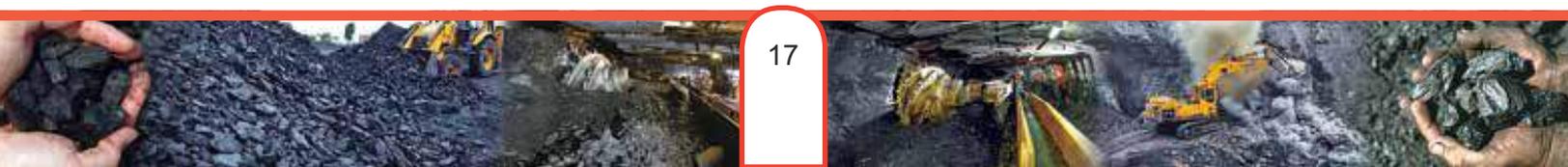
I express my sincere thanks to all the shareholders, Ministry of Coal, other Ministries and Departments, State Governments, all employees, trade unions, customers and vendors for their whole-hearted support and relentless co-operation.



(Manoj Kumar)

Chairman-cum-Managing Director

Place : Ranchi
Date : 21.07.2023



CMPDI LTD PERFORMANCE AT A GLANCE

Fig. Rs in crores

Financial Year	2022-23 (Audited)	2021-22 (Audited)	2020-21 (Audited)
PARTICULARS			
Sale of Services (Net Sales)	1386.09	1208.43	1488.6
Other Income	12.69	29.83	20.08
Total Income	1398.78	1238.26	1508.68
Total Expenses	1031.83	872.22	1094.19
PBT	366.95	366.04	414.49
PAT	296.66	282.12	316.96
Net Block	243.8	204.85	188.01
Current Assets	1598.64	1373.56	1414.43
Current Liabilities	599.21	510.03	617.79
Working Capital	999.43	863.53	796.64
Capital employed*	1243.23	1068.38	984.65
Equity Capital	142.8	142.8	142.8
Reserves & Surplus	1094.98	871.72	659.45
Net Worth**	1217.65	995.62	784.47
Return on Capital Employed	29.52	34.27	42.11
EPS	2077.45	1975.63	2219.61

*Capital Employed = Net block + Working Capital

Net worth = Equity share capital + Reserves & Surplus Excluding Capital Reserve

*** Earning Per share has been restated based on Total no. of Equity shares Outstanding 1428000 nos

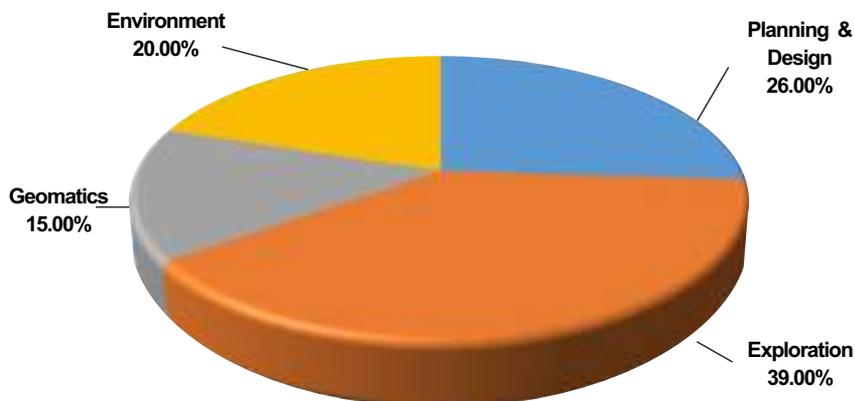
Fig. Rs. in Cr.

Financial Year	2022-23 (Audited)	2021-22 (Audited)	2020-21 (Audited)
PBT	366.95	366.04	414.49

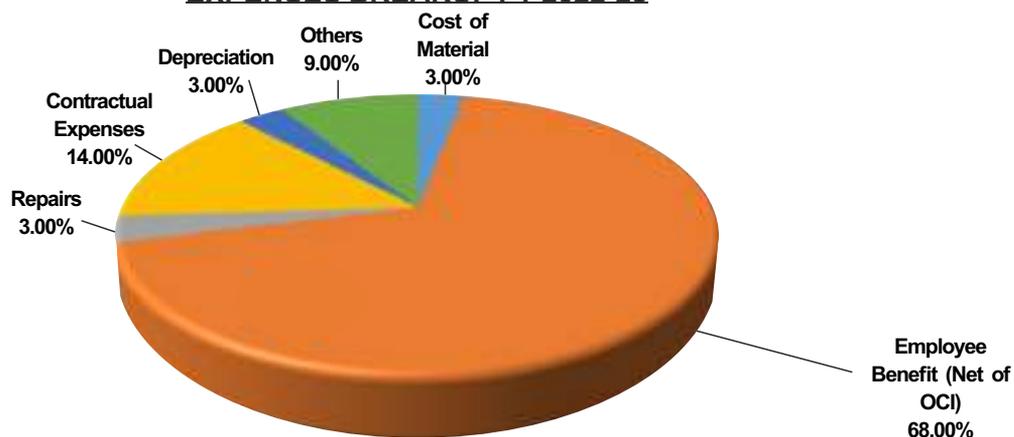


FINANCIAL OVERVIEW OF CMPDIL

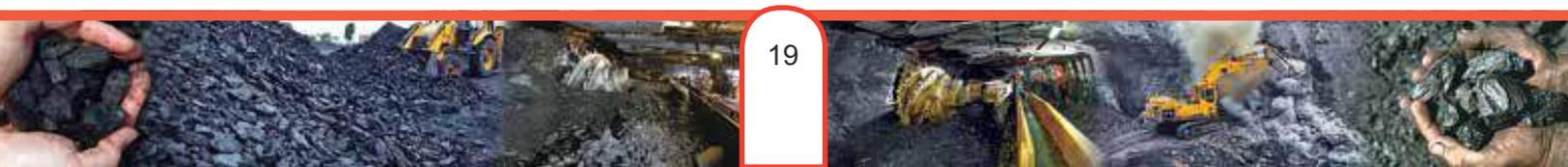
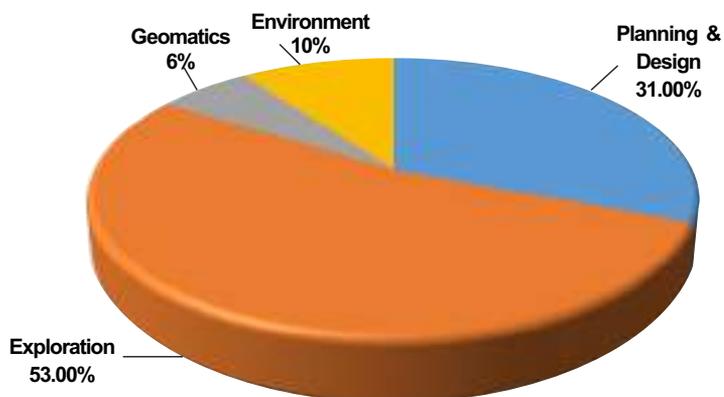
SALES BREAKUP F.Y. 2022-23



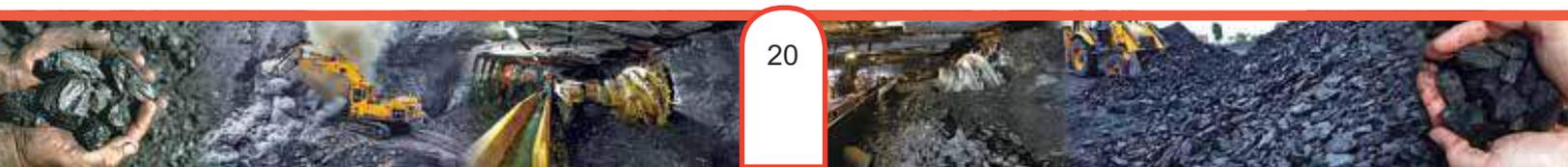
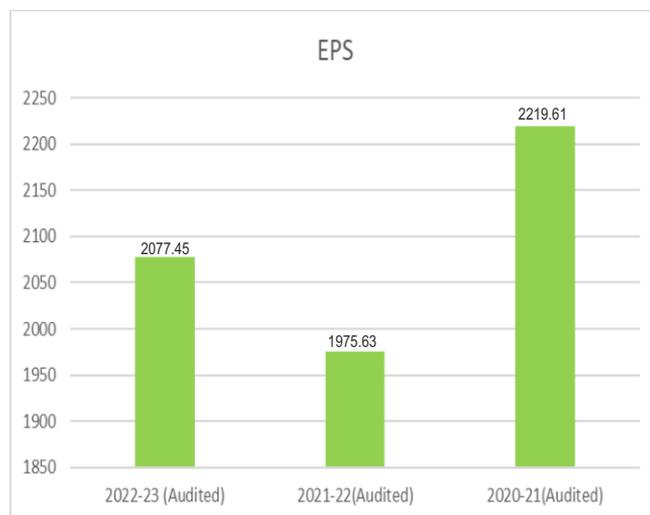
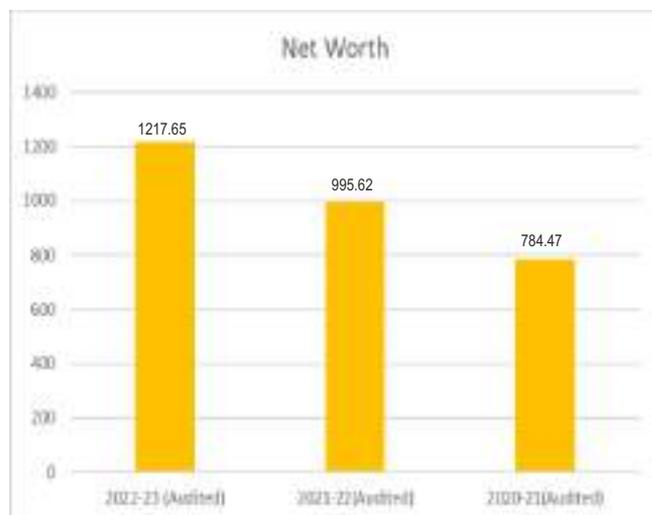
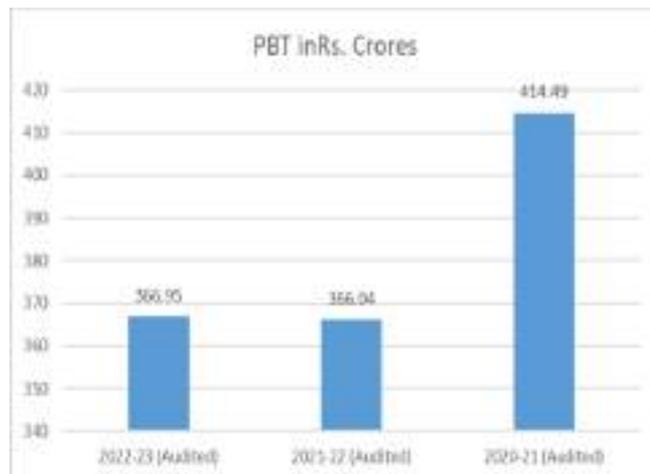
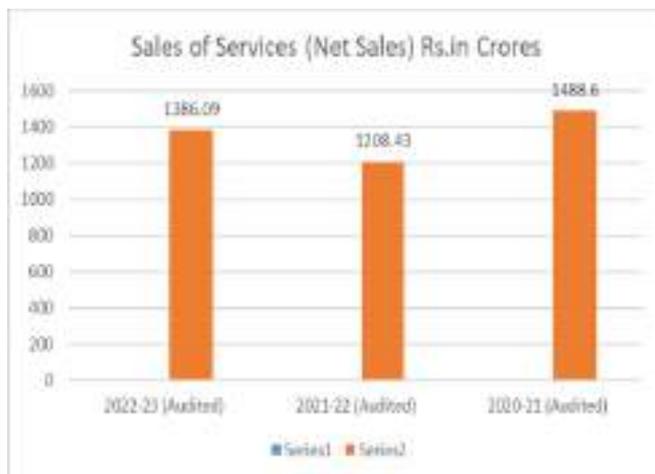
EXPENSES BREAKUP FY 2022-23



EXPENSES (NET OF OCI) BREAKUP FY 2022-23



FINANCIAL OVERVIEW OF CMPDIL



DIRECTORS' REPORT

To

The Shareholders

On behalf of the Board of Directors, I have great pleasure in presenting the 48th Annual Report on the working of your Company along with the Accounts for the year ended 31st March, 2023 and Reports of Statutory Auditors and the Comptroller and Auditor General of India thereon.

PART: A

1.0 CORPORATE OVERVIEW

Your Company, a Mini Ratna (Cat-I) company, continued to operate with seven Regional Institutes (RIs) located at Asansol, Dhanbad, Ranchi, Nagpur, Bilaspur, Singrauli & Bhubaneswar and its Headquarter at Gondwana Place, Kanke Road, Ranchi. Seven Regional Institutes designated as Regional Institute (RI-I to RI-VII) rendered consultancy services to seven corresponding subsidiaries of CIL viz. ECL (RI-I), BCCL (RI-II), CCL (RI-III), WCL (RI-IV), SECL (RI-V), NCL (RI-VI) & MCL (RI-VII).

Consultancy services to CIL(HQ), NEC & non-CIL clients like NTPC Ltd., Odisha Coal & Power Ltd. (OCPL), Gujarat Industries Power Company Ltd. (GIPCL), NLC India Ltd., Ultratech Industries Ltd., etc. were provided mainly through CMPDIL Headquarters. Besides these Consultancy services, CMPDIL also handled specialized assignments of Ministry of Coal.

In the FY 2022-23, we have secured 84 outside CIL consultancy jobs worth more than ₹ 39 crores from 39 organizations outside CIL, which includes consultancy jobs from NTPC, Govt. of UP, Sushee Chandragupta Coal Mine Private Limited, Adani Enterprises Ltd., NMDC, THDC, MIMIPL, ICVL etc. Further, offers worth more than ₹ 157 crores have been sent to the outside clients in the FY 2022-23, which shows a significant rise of about 82 % as compared to the offers sent in the last FY, which, in, itself, shows a massive progress in securing new clients.

Furthermore, we have recently obtained a job of overseas client named ICVL and that is a step forward in establishing CMPDIL as a global leader in the stream of providing the best possible consultancy services.

Presently, 65 outside CIL consultancy jobs are being executed by CMPDIL for 38 organizations like CESC, NTPC, NLC, Minerals Labs Services Ltd., JMS Mining Private Ltd., NMDC, TSMPL Ltd., SCCL, DGM (Govt. of Bihar), WBPDC, OMC, OMDC, etc.

In the FY 2022-23, 67 outside CIL consultancy jobs were successfully completed by CMPDIL for 34 organizations outside CIL. Some of the major clients were UCMIPL, NALCO, TFL, PFCCL, SAIL, EMIL, NTPC, Vedanta Ltd, Govt. of UP, etc.

1.1 Major Services Offered

• Geological Exploration & Drilling

Detailed geological exploration of regionally explored blocks with a view to generate reliable geological and geo-engineering data and assess in-situ coal reserve for preparation of mining project report; geophysical survey through multi-probe geophysical logging; high resolution shallow seismic survey; hydro geological investigation and identification of coal bed methane resources.

• Project Planning & Design

Preparation of feasibility reports, detailed project reports and detailed engineering drawings for underground and opencast mines, master plans of coalfields, coal and mineral beneficiation and utilisation plants, coal handling plants, workshops and other ancillary units and infrastructure facilities including techno-economic evaluation of various schemes and project reports for investment decisions.



• Engineering Services

Detailed design of system and sub-system for mines, beneficiation and utilisation plants, coal handling plants, power supply systems, workshops and other units, architectural planning & design.

• Research & Development

Serving as nodal agency for all S&T schemes funded by Ministry of Coal and R&D schemes funded by R&D Board of CIL. CMPDIL, on its own, also takes up applied research and development in the field of mining, beneficiation, utilisation, environment, exploration, etc.

• Laboratory Services

Well-equipped state of the art laboratories are providing quality analysis of mine gases, air, water, noise, coal core sample, washability characteristics of coal, physico-mechanical strength of strata, petrography studies, Non-Destructive Testing (NDT), etc.

• Environmental Services

Preparation of Environment Management Plan, its implementation and monitoring through Regional Institutes and Headquarters; analysis of air, water, noise samples at in-house CPCB approved laboratories; Preparation of Mine closure plan and monitoring of mine closure; Slope stability study for OB and Highwall; Environmental carrying capacity of mines and study of riverine ecosystem; Utilisation of remote sensing satellite data for land use monitoring for entire CIL mines, etc.

• Information Technology

• Human Resource Development

• Specialised Services

- ❖ Geomatics including Remote Sensing
- ❖ Ventilation & Gas survey in mines
- ❖ Controlled Blasting
- ❖ Performance evaluation of new explosives
- ❖ Mining Electronics
- ❖ Mine capacity Assessment
- ❖ Mine Support Design, Rock Mass Rating (RMR)
- ❖ Non-Destructive Testing
- ❖ Management System Consultancy
- ❖ Measurement of Coal and OBR

1.2 Financial Working Results

During the year under review your Company earned a Profit after Tax of Rs. 296.66 Crores. The working results of the company are given below:

Particulars	Year ending 31.03.2022	Year ending 31.03.2023
Net Sales	1208.43	1386.09
Other Income	29.83	12.69
Total expenses	872.22	1031.83
Profit Before Tax	366.04	366.95
Tax Expenses	83.92	70.29
Profit After Tax (A)	282.12	296.66
Other Comprehensive Income (OCI)*	26.65	25.95
Income Tax that will be reclassified to Profit or Loss	6.71	6.53
Total Other Comprehensive Income (B)	19.94	19.42
Total Comprehensive Income (A) + (B)	302.06	316.08

1.3 Management Discussion and Analysis Report

The Management of Central Mine Planning & Design Institute Ltd. (CMPDIL) presents its Discussion and Analysis report covering the different matters of importance, including performance and outlook of the Company.

1.3.1 Major objectives of CMPDIL:

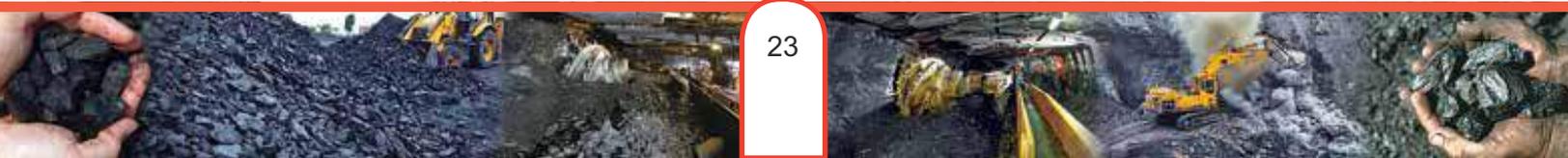
1. To provide consultancy support in coal and mineral exploration, including geological, geophysical, hydrological and environmental data generation.
2. To improve quality of exploration and feasibility reports providing higher level of confidence of geological assessment for optimum mine planning.
3. To optimize generation of internal resources by improving productivity of resources, preventing wastage and to mobilize adequate external resources to meet investment need.
4. Project planning and designing for coal mines, Coal beneficiation and Utilization Plants, etc.
5. To promote, co-ordinate and ensure effectiveness of research activities in coal sector under S&T and R&D Schemes.
6. To undertake formulation of Environmental Management Plans (EMPs), Environment Impact Assessment (EIA) and Mine Closure Plans for coal mining and related projects.
7. Extending remote sensing services for land reclamation monitoring, environmental data generation, vegetation cover mapping, coal mine fire mapping, large scale topographical mapping of coalfields, infrastructure planning including selection of TPS and Washery locations, etc.

8. To provide field and laboratory services to Subsidiary Coal Producing Companies of CIL.
9. To provide consultancy services to outside organizations other than CIL and its subsidiaries.

1.3.2 Brief of functions of CMPDIL:

A brief description of all the functions of CMPDIL is given below:

- a. Geological Exploration and support Services** - This core function of CMPDIL since its inception offers the following services for mineral deposits:
 - Planning and execution of exploration;
 - Resource evaluation and documentation for investment and exploitation decisions and
 - Related field tests and laboratory support.
- b. Planning, Design and Support Services** – Being another core function of CMPDIL since inception, the following services are offered for construction and operation of mining, beneficiation, utilization and other infrastructure and engineering projects.
 - Formulation and / or evaluation of conceptual / pre-feasibility / feasibility studies, project reports, and basic and detailed engineering designs;
 - Engineering and other related consultancy support; and
 - Related field tests and laboratory support.
- c. Environmental Management Services** - Under offer since 1992, these cover all round support to mining and mineral industry for environmental management during their planning and operations, including Mine Closure Planning, laboratory and test support, study of riverine ecosystem, etc.



d. **Geomatics Services** – Under offer since 2001, the following services are offered:

- Differential GPS survey for mining lease and forest boundary, OBR/Coal Check Measurement, Correlation Survey of UG Mines, etc.
- Remote Sensing studies including Coal Mine Fire Mapping, Land reclamation monitoring of opencast mines, Land Use/Vegetation Cover Mapping of Coalfields, etc.
- Topographical Survey,
- Site selection of Thermal Power Stations based on Satellite Data & GI.
- Drone based survey and mapping services.

e. **Human Resource Development** - Under offer since 1976, these cover technical, managerial and management-systems related training to the market clientele, particularly in mineral and mining sector.

f. **Management System Services** - Under offer since 1997, these cover complete range of consultancy and support for creation, documentation, implementation and training for various management systems standards, e.g. ISO 9001, ISO 14001, OHSAS 18001, SA 8000, ISO 50001, ISO 27001 and ISO 37001. CMPDIL, with all its Regional Institutes, have been licensed by Bureau of Indian Standards for fulfilment of the requirements of the new revised ISO 9001:2015 standard.

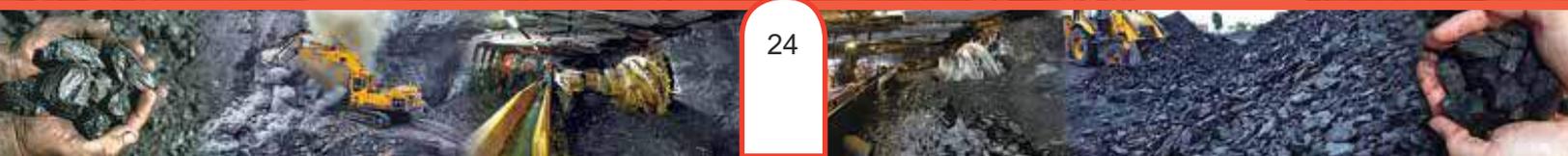
g. **Specialised Services** - Expert consultancy services are also offered in the field Ventilation & Gas survey in mines, Controlled Blasting, Performance evaluation of new explosives, Mining Electronics, Mine Capacity Assessment, Mine Support Design, Rock Mass Rating

(RMR), Non-Destructive Testing, Development of Apps & portals for CIL & MoC, etc.

1.3.3 Industry Structure and Development

In general, global economic shocks in the past were severe but spaced out in time. This changed in the third decade of this millennium. At least, three shocks have hit the global economy since 2020. It all started with the pandemic-induced contraction of the global output, followed by the Russian-Ukraine conflict leading to a worldwide surge in inflation. Then, the central banks across economies responded with synchronised policy rate hikes to curb inflation. The rate hike by the US Fed drove capital into the US markets causing the US Dollar to appreciate against most currencies. This led to the widening of the Current Account Deficits (CAD) and increased inflationary pressures in net importing economies. The rate hike and persistent inflation also led to a lowering of the global growth forecasts for 2022 and 2023 by the IMF in its October 2022 update of the World Economic Outlook. The frailties of the Chinese economy further contributed to weakening the growth forecasts.

Many developing countries, particularly in the South Asian region, faced severe economic stress as the combination of weaker currencies, higher import prices, the rising cost of living and a stronger dollar, making debt servicing more expensive, proved too much to handle. The Indian economy, however, appears to have moved on after its encounter with the pandemic, staging a full recovery in FY22 ahead of many nations and positioning itself to ascend to the pre-pandemic growth path in FY23. Yet in the current year, India has also faced the challenge of reining in inflation that the European strife accentuated. Measures taken by the government and RBI, along with the easing of global commodity prices, have finally managed to bring retail inflation below



the RBI upper tolerance target in November 2022. However, the challenge of the depreciating rupee against the USD, although better performing than most other currencies, persists with the likelihood of further increases in policy rates by the US Fed.

Despite these, agencies worldwide continue to project India as the fastest-growing major economy at 6.5-7.0 per cent in FY23. These optimistic growth forecasts stem in part from the resilience of the Indian economy seen in the rebound of private consumption seamlessly replacing the export stimuli as the leading driver of growth. The uptick in private consumption has also given a boost to production activity resulting in an increase in capacity utilisation across sectors. The rebound in consumption was engineered by the near-universal vaccination coverage overseen by the government that brought people back to the streets to spend on contact-based services. The world's second-largest vaccination drive involving more than 2 billion doses also served to lift consumer sentiments that may prolong the rebound in consumption.

Growth is expected to be brisk in FY24 as a vigorous credit disbursement, and capital investment cycle is expected to unfold in India with the strengthening of the balance sheets of the corporate and banking sectors. Further support to economic growth will come from the expansion of public digital platforms and path-breaking measures such as PM GatiShakti, the National Logistics Policy, and the Production-Linked Incentive schemes to boost manufacturing output.

Mining in India is a major economic activity which contributes significantly to the economy of the country. The coal mining and electricity generation are two of the core industries and together contribute about 12% to India's Index of Industrial Production (IIP) affirming their importance to the economy. Further, India's logistics industry, sponge iron industry, aluminum industry among several others are depend on India's domestic coal industry. Coal

mining often gives stimulus to the local economy, both directly and indirectly, through creation of jobs, by inducing improvement in local infrastructure - such as road network and water supply, and allowing the local population to have better access to health and education services. According to recent employment figures, Indian coal mines employed around 355,000 workers and about 1.2 million people are dependent on the coal sector. This, however, does not include employment related to coal logistics, which include both road and railway transportation. Hence, the importance of the coal sector to India, not just in terms of an energy source for the country, but also for the socio-economic role it plays, cannot be denied.

India's energy requirement will continue to grow over the next 20 years. The share of coal in thermal power generating capacity of the Utility sector is expected to remain high. Coal demand in India has been increasing continuously driven by both, power sector and non-regulated sector. Coal production requirement is estimated to be about 1.5 BT by 2030 as per Vision India @2047 document. The demand scenario is influenced by economic growth, energy efficiency and emergence of alternate coal uses. CIL may continue to play the balancing figure in the supply chain.

The PANCHAMRIT commitment mantra given by Hon'ble Prime Minister of India at CoP 26 entails that there will be a pressure on coal sector to look for alternate end uses of coal as thrust on thermal power sector may reduce. CMPDIL may look for opportunities in this regard to develop alternate use of coal, develop expertise in renewable energy sector and provide consultancy to coal companies to diversify their businesses to be future ready.

The government has set ambitious renewable energy goals that include the development of 50% of nation's energy share from renewable energy by 2030. Such a transition away from coal and towards renewable energy will heavily impact coal sector that currently provides 45



percent of India's total primary energy demand. This is why coal lies at the center of discussions about a just energy transition in India.

With accrued knowledge and continuing regional exploration by different agencies, the total estimated basinal area of Gondwana Coalfields (43 nos.) and Tertiary Coalfields (19 nos.) has increased to about 66984 sq km, while the total prognosticated coal bearing area of the country stood at about 33480 sq km as on March 2023. Out of the total prognosticated coal bearing area of about 33480 sq km, total regional exploration area measured was about 19870 sq km and about 13610 sq km area is left-out for regional exploration. The total basinal area of Tertiary Coalfields was estimated to be about 1336 sq km, out of which, a total of about 859 sq km was assessed to be prognosticated coal bearing area. The total regional exploration area in Tertiary Coalfields stands at about 402 sq km.

As per directive of the Government, CMPDIL is taking up the Regional and Detailed Exploration with emphasis on 2D/3D Seismic Survey in the country to identify the best of the properties for coal exploitation in the near future at a faster pace. The aim is to make the coal blocks available to the prospective bidders as quick as possible to exploit the available coal resources of the country to the extent possible. Considering this, the MoC is putting up the Non-CIL coal blocks with G1 level of exploration in coking coal blocks and high grade non-coking coal blocks and G2 level of exploration (explored with about 2 boreholes per sq km of drilling with 2D/3D seismic surveys) in rest of the blocks for auction.

The target of 7.5 lakh metre of drilling along with data acquisition through 2D/3D Seismic Survey of 680 Line km have been proposed for 2023-24 with an aim to have priority on 2D/3D seismic surveys in exploration in combination with the physical drilling with reduced borehole density.

The exploration and planning exercises have been completed for the 1 Bt coal production target of CIL but, the technical support would be required by CIL from CMPDIL on continual basis for enhancement and sustenance of the production in future. This will be true also for the infrastructural facilities, including CHPs, washeries, etc. Additionally, CMPDIL's expert services had been in demand by other coal producers in public and private sectors as well. CMPDIL rendered consultancy services for other than CIL companies like CESC, NTPC, NLC, Minerals Labs Services Ltd., JMS Mining Private Ltd., NMDC, TSMPL Ltd., SCCL, DGM (Govt. of Bihar), WBPDC, OMC, OMDC etc. Stride of coal companies, mainly of CIL, towards meeting the coal demand from indigenous supply will have a spurt in CMPDIL's services.

Furthermore, endeavors by CIL and other companies towards adopting alternative source of coal based non-renewable energy generation like Coal Bed Methane, Coal Gasification, etc., is likely to be the sources of consultancy work for CMPDIL. CMPDIL, has acted proactively and has been appointed as the Principal Implementing agency for execution of the CBM projects in CIL areas viz. ECL, BCCL and SECL. As per vision of our Hon'ble Prime Minister to use 100 Million Tonne of coal for coal gasification by 2030, ECL, SECL and MCL intend for setting up a Coal to Chemical/fertilizer & Potential Downs tream Product(s) Plant through Coal Gasification on JV mode on Build-Own-Operate (BOO) basis. CMPDIL is the Principal Implementing Agency (PIA) for carrying out the job related to the development of the gasification Projects at ECL, WCL & SECL.

Additionally, emerging area of Information and Communication Technology (ICT) in coal sector is also presenting additional opportunities for CMPDIL which will increase further in coming years. Moreover, CMPDIL has taken initiatives to ensure that its endeavors get reflected in top and the bottom lines, appreciably, and



accordingly, the sales and PBT have increased considerably in recent past.

Though the coal fuel is expected to retain its primacy in India and remain the only realistic option for providing cheap and abundant energy for the local population at least in the next 12 to 15 years' time, the Government's commitment to exploit the renewable sources of energy in a big way, parallelly, is likely to impact the future expansion programme of the coal sector. At the 26th session of the Conference of the Parties (COP26) to the United Nations Framework Convention on Climate Change (UNFCCC) held in Glasgow, United Kingdom, India presented five nectar elements (Panchamrit) of India's climate action namely (i) Reach 500 GW of non-fossil fuel energy capacity by 2030, (ii) 50 per cent of its energy requirements from renewable energy by 2030, (iii) Reduction of total projected carbon emissions by one billion tonnes from now to 2030, (iv) Reduction of the carbon intensity of the economy by 45 per cent by 2030, over 2005 levels and (v) Achieving the target of net zero emissions by 2070. Apart from this, the updated NDC commitment promises to create an additional carbon sink of 2.5 to 3 billion tonnes of CO₂ equivalent through additional forest and tree cover by 2030. Moreover, various requirements of compliances under environment guidelines, pressure from the Green lobbyists as well as efforts required in land acquisition for coal mining are going to be tougher day-by-day.

Exploration, happened to be the major contributor to the revenue of CMPDIL. However, the dominance of exploration in the revenue share of CMPDIL is continuously dwindling since last 5-6 years. To enhance the share of exploration, diversification in non-coal sector would be necessitated apart from carrying out the exploration, particularly 2D/3D Seismic surveys departmentally for enhancing the top and bottom lines. Also, more efforts will have to be made to increase revenue from other services like Planning & Design, Geomatics, Environmental Services including Hydrogeological Studies, etc.

Considering the above and to infuse dynamism in business domain of CMPDIL, it will be realistic to ensure enhancement in the exploration capacity through further productivity improvement and particularly, through wider use of 2D/3D Seismic Survey and other geo-physical methods, upgradation and modernization of existing facilities and infrastructure wherever required, rationalizing manpower utilization and executive manpower induction, diversification in newer areas of mineral, mining and allied engineering sectors other than coal, enhancing quantum of outside jobs (non-CIL) in value terms, establishing effective monitoring system in core areas including drilling and inventory control through computerization and networking, establishing technology for development of alternative sources of coal based energy, etc.

1.3.4 Strategy adopted to realize above objectives:

With the depth of knowledge and market place CMPDIL has in mineral, mining and allied sectors, it is adopting the following strategies and business plan to realize its corporate objectives:

- (i) Enhancing exploration capacity through wider application of 2D/3D seismic survey in place of physical drilling to the extent possible, etc.
- (ii) Diversification in newer areas of mineral, mining and allied engineering sectors other than coal,
- (iii) Increasing market share for outside clients in revenue,
- (iv) Tie-up with strategic partners, both, within and outside the country,
- (v) Upgradation and modernization of existing facilities and infrastructure,
- (vi) Increasing operational efficiency and work quality,
- (vii) Improving corporate culture and internal systems,



- (viii) Rationalizing manpower utilization and executive manpower induction to ensure continued planning and specialized support to the coal industry,
- (ix) Better cost control measures and monitoring, and
- (x) Rendering services towards development of coal based alternative source of energy.

1.3.5 Strength and Weakness Strength

- CMPDIL is a multi-disciplinary organization, perhaps one of its kind, providing almost all the services prior to mining, during the mining operation and after the mining operations under one roof.
- Domination over detailed coal exploration in India. CMPDIL is recognized as the most preferred consultant amongst Indian clients besides having government 'preferences'.
- With the strategically located Regional Institutes, it is able to provide door-step service to all the subsidiaries of Coal India Ltd. along with the Ministry of Coal. CMPDIL has a 'Pan-India' presence in the vicinity of coal bearing areas.
- CMPDIL enjoys the distinction of possessing a large, authentic data-base relating to coal blocks, coal deposits, coal quality, etc. giving access to the knowledge of vast resources available in coal sector.
- It has a base of about 1400 multidisciplinary skilled and experienced manpower.
- Has rich experience of executing over 1300 integrated coal exploration projects, planning of over 1200 mining Project Reports with individual project capacity up to 75 MTY opencast mine and 6 MTY underground mine, large number of infrastructural-facilities, etc.

- It has the largest infrastructure for coal exploration (largest fleet of drill in the country for detailed exploration) having geographical spread in 8 states, laboratory facilities, baseline data generation capacity, etc.

Weakness

- Heavy Dependence upon CIL subsidiary & Ministry of Coal for earning revenue.
- Dependence upon GSI/MECL for Regional exploration data which is prerequisite for detailed coal exploration.
- High operating cost and fixed cost i.e. employee compensation, etc. in comparison to peers in the industry.
- High rate of superannuation of skilled and experienced executives, workforce and attrition of new recruits after being trained.
- Non diversification i.e. only restricted to coal industry.

1.3.6 Opportunities and Threats

Opportunities

- The demand for coal is likely to increase and may peak during mid 2030s providing scope for CMPDIL services.
- Auction/allotment of coal blocks to both public & private companies by the Government have created market opportunities for CMPDIL outside CIL.
- Need to enhance the application of IT in coal sector
- Diversification in non-coal sector
- Expansion of services in the field of exploitation of CBM/CMM/UCG/Shale Gas/Other non-conventional energy resources.
- CIL is also making efforts to diversify in areas other than coal. CMPDIL can also look to expand its horizon in the identified fields through proactive steps.

Threats

- Indian coal sector is inching towards liberalization with 100% FDI. Further opening of the coal sector may result in market competition from other domestic or international consultancy service providers.
- In absence of commensurate growth in Regional Exploration, sustenance of detailed drilling capacity seems difficult.
- Coal is fast being replaced by renewable energy sources like solar, wind, etc. Over the years, the development of these alternative power sources will increase and become cheaper which may pose threat to the conventional business of CMPDIL.
- Restriction in exploration in forest area and law and order problem are affecting the drilling operations in these areas.
- Being a dominantly human resource driven company, present high age profile will prove detrimental in future. Expert manpower is fast depleting, as many of its experienced technical experts are superannuating.

1.3.7 Pricing

Revenue from Consultancy Services by CMPDIL, a subsidiary of Coal India Limited:

Recognition of revenue arising out of Consultancy Services for exploration, mine planning / project reports, environmental plans and other Engineering services is based on pricing formula adopted for different categories of customers.

1.3.8 Marketing Policy

CMPDIL is committed to provide consultancy services in all possible areas as and when demanded by Coal India Limited and its subsidiary companies on priority basis. However, CMPDIL is also committed to undertake jobs

from outside CIL clients with due consideration of the importance and strategic values, wherever such outside consultancy jobs can be undertaken.

1.3.9 Outlook and Preparedness

Spurt in drilling, as witnessed during XI and XII Plans, which continued in 2017-18, could not be maintained during 2018-19 due to various reasons including non-availability of fund in time. Further, 12.94 lakh metre of drilling in 2019-20 and 12.48 lakh metre of drilling in 2020-21 could be carried out against the achievement of 13.60 lakh meter in 2018-19 mainly due to nationwide lockdown arising out of COVID-19 pandemic. Moreover, through departmental drills, 5 lakh metre of drilling was carried out with productivity of 619 metre/drill/month during 2018-19, which is the highest in the history of CMPDIL. Modernization of departmental drills, induction of new higher capacity mechanical and hydrostatic drills, introduction of high performance bits resulting in higher productivity, adopting latest mud technology, effective arrangement of drilling accessories and manpower had been the key to augment the drilling capacity of CMPDIL.

Further, due to reduction in fund by Ministry of Coal for Promotional Exploration and Detailed drilling in non-CIL blocks, 7.91 lakh metre of drilling in 2021-22 and only 6.85 lakh metre of drilling could be carried out during 2022-23 against a lesser target of 7.00 lakh metre of drilling. However, the EFC has now recommended for funding for next 4-5 years for exploration activities under the two Central Sector Schemes.

About 10 Billion Tonnes of coal resources were added to the 'Proved category', through Detailed Exploration covering an area of about 383 sq km through 29 Geological Reports. In addition to this, about 7.9 billion tonnes of new coal resources (indicated and inferred category) were estimated through Promotional (Regional) Exploration covering an area of about 142 sq km through 5 Geological Reports.

Under the new renewed thrust on Departmental 2D/3D seismic surveys for faster exploration of coal as well as to enhance the revenue and

profitability of CMPDIL and make use of available manpower and machines, 162.9 line km of 2D/3D seismic surveys were carried out departmentally which is considerably high in comparison to that (only 7 line km) achieved during FY 2021-22. In totality, CMPDIL Carried out 609 line km of 2D/3D Seismic Survey in 2022-23.

Government of India has put emphasis on introduction of 2D/3D seismic survey technology coupled with reduced number of boreholes for drilling to speed up the pace of exploration with reduced cost. CMPDIL has taken steps to intensively use modern technologies, such as, various geophysical survey techniques of exploration to reduce the dependence on time consuming process of drilling and use them in preparation of Geological Report. This will expedite the preparation of Geological Reports and provide better confidence in Geological Model of the blocks.

The target of 7.50 lakh metre of drilling along with data acquisition through 2D/3D Seismic Survey of 680 Line km have been proposed for 2023-24. Pace of exploration during past three years has been reducing mainly due to reduction in fund provided by the Ministry of Coal under Central Sector Scheme (CSS) for Coal Exploration in Non-CIL and Promotional blocks as well as lack of scope for drilling in CIL areas for increased meterage targets and the trend may continue in near future as well. However, with the recommendation of EFC funding in next 4-5 years for the two Central Sector Schemes of exploration, the achievements under exploration would increase in next 4-5 years.

Out of 39 Project Reports (PRs) submitted during the year, 24 PRs were of opencast projects including 4 for mega projects (capacity 10 Mty and above), 13 PRs of underground projects and 2 PRs of mixed projects. Out of 39 PRs, one PR (UG project) has been planned for Non-CIL mine. PR of Kusmunda Expansion OC (75 Mty), highest planned capacity OC mine in India, has been prepared during the year. All the 13 UG PRs (including 1 Non-CIL PR) and the UG part of the 2 Mixed PRs have been planned with Continuous Miner technology.

Capacities of all the laboratories in CMPDIL have been upgraded. The Geo-chemical laboratory which is accredited with NABL certification is currently implementing its scheme on augmentation of capacity of coal core analysis by introducing automation in sample preparation unit and by addition of rapid analyzers which will cater to handling of larger numbers of analysis. The Petrographers in petrography Lab have been certified by International Committee of Coal and Organic Petrology (ICCP).

Re-accreditation of Coal & Mineral Preparation Laboratory was obtained on 19.07.2022. NABL continued accreditation to NDT laboratory of CMPDIL HQ in the field of Non- Destructive Testing. NDT Cell have been established at different Regional Institutes of CMPDIL, with proper equipment and resources. Steps are being taken for getting NABL Accreditation to labs of Regional Institutes also. A state of the art CBM Lab is functional at CMPDIL to facilitate generation of all parametric data related to CBM/Shale gas related studies, reservoir characteristics and assessment of CBM and Shale gas resources.

The existing Environment Laboratories have been strengthened with state-of-the-art equipment. Environment labs of CMPDIL HQ, RI-I, RI-II, RI-IV, RI-V and RI-VII are accredited by NABL. CPCB recognition under Environment (Protection) Act, 1986 of Environment Lab of CMPDIL HQ has also been received. Environment Laboratory at CMPDIL HQ has further obtained accreditation for Occupational Health and Safety Management System (OHSMS) as per IS/ISO 45001:2018.

Satellite surveillance for land reclamation monitoring of opencast coal mines of CIL having production more than 5 million m³ (Coal+ OB) per annum is being carried out on annual basis since 2008. Further to this, land reclamation monitoring of opencast coal mines of CIL having production of less than 5 million m³ (Coal+ OB) per annum was also taken up from the year 2011 in phased manner at an interval of three years. Accordingly, Land Reclamation Monitoring based on satellite data for 101 opencast projects and 9 clusters of different subsidiaries of CIL coming under different



categories has been done during the year 2022-23. Vegetation cover mapping of six coalfields were also carried out during the year.

CMPDIL 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. Further, 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.

A Comprehensive report in respect of quality parameters of coking coal mines under command area of BCCL has been submitted to CIL in November 2022 which has been uploaded on BCCL website. Further, a draft report to sort out issues related to coking coal demand has been prepared by Committee constituted by MoC and the report is under finalization stage. A Draft Policy Framework for private parties setting up washeries independently for buying coal from Coal India Limited has also been prepared and is under finalization.

CMPDIL continued its efforts for facilitating commercial development of coal based non-conventional energy resources and is pursuing commercial and R&D projects with national/international organizations. On behalf of CIL & its Subsidiaries, CMPDIL is pursuing development of Coalbed Methane (CBM) in CIL leasehold areas. Accordingly, CMPDIL is taking steps for delineation of potential CBM blocks within mining leasehold of CIL Subsidiaries in consultation with Lessee (subsidiary) and CIL for commercial exploitation of Coal Bed Methane (CBM). Initially, three CBM blocks, namely, Jharia CBM Block-I, Raniganj CBM Block and Sohagpur CBM Block have been delineated by CMPDIL in CIL leasehold areas for commercial development of CBM.

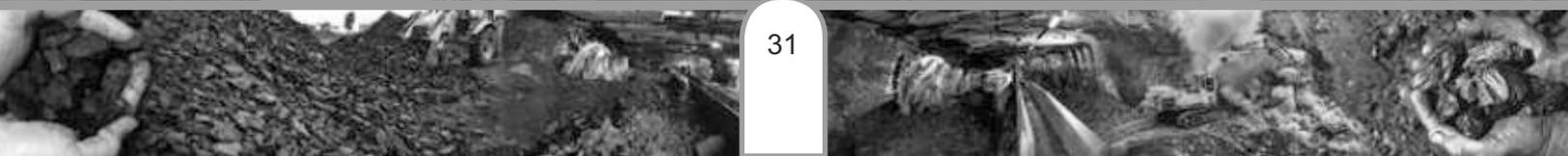
CMPDIL is the Principal Implementing Agency for development of CBM under Memorandum of Agreement with respective subsidiary companies.

In-principal approval of Project Feasibility Reports of Jharia CBM-I Block, Raniganj CBM Block and Sohagpur CBM Block were given by the respective Subsidiary Board for commercial extraction of CBM through CBM Developer. Jharia CBM Block-I has been awarded to M/s Prabha Energy Private Limited as CBM Developer selected through Global bidding and revenue sharing contract and the Block is under Exploration Phase. Efforts are being made for possibilities of development of another two blocks i.e. Raniganj CBM Block & Sohagpur CBM Block-I.

As per vision of our Hon'ble Prime Minister to use 100 Million Tonne of coal for coal gasification by 2030, ECL, SECL and MCL intend for setting up a Coal to Chemical/fertilizer & Potential Downstream Product(s) Plant through Coal Gasification on JV mode on Build-Own-Operate (BOO) basis. Pre-Feasibility Reports have been prepared for gasification projects of ECL, MCL and SECL. The final products envisaged for the three projects are SNG, Ammonium Nitrate and DME. CMPDIL is the Principle Implementing Agency for carrying out the job related to the development of the gasification Projects at ECL, WCL & SECL. Considering the foregoing, the tenders for the selection of BOO processor for "Coal to Ammonium Nitrate" Project at WCL has been floated on 06.03.2023.

CMPDIL is the Nodal Agency also to coordinate research activities funded under S&T Grant of Ministry of Coal (MoC) and R&D Board of CIL. Over the years, many of these projects have yielded considerable benefits resulting in operational improvement, safer working conditions, better resource recovery and protection of environment. While some research projects have produced tangible impact on the industry directly, there are others which have strengthened mine planning, design and technical services required by both operating mines and future mining projects.

Efforts are continuing by CMPDIL to involve more world-class scientific and research institutions in India and abroad in R&D activities so that it can fulfill the aspirations of the country by being



Atma-Nirbhar. Emphasis is being made on diversification of R&D initiatives by taking up new projects in the field of environmental sustainability, energy management & digitization, reduction of carbon emission, renewable energy, use of AI & IoT, waste to wealth creation, deployment of new techniques in exploration, etc. During the year, 9 nos. of research projects were completed and 41 ongoing research projects are being executed in association with various reputed organizations.

CMPDIL is facilitating for implementation of Management System standards in all subsidiaries of CIL and providing consultancy services for application of different Management System standards, like ISO 9001, ISO 14001, ISO 45001, ISO 50001, ISO/IEC 27001, ISO 37001, etc. CMPDIL, with all its Regional Institutes, has been licensed by Bureau of Indian Standards for ISO 9001:2015 – Quality Management System (QMS). Under our guidance & support, CIL HQ, Kolkata has got certification against ISO 9001:2015, ISO 14001:2015 and ISO 50001:2018 and five Subsidiaries of CIL i.e. ECL, CCL, NCL, MCL and WCL (83 units) are certified for Integrated Management System (ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018).

ERP with its 6 modules namely HCM, FICO, PM, PS, MM and SD has been implemented in CMPDIL. Data Analytics Software (SAS) has been introduced for enhancing productivity. To begin with, three projects have been identified in collaboration with CIL for Data Analytics applications. Two use cases for CMPDIL are under User Acceptance Testing (UAT). It is expected that Data Analytics as a tool shall be used by all the subsidiary companies constructively to enhance efficiency.

1.3.10 MOU between CMPDIL & CIL

For every financial year, CMPDIL enters into an MoU with Coal India Limited to set various parameter for physical and financial performances along with certain compliance parameters with negative marking for non-compliance. The achievements were graded on a scale of 1 to 5; 'Excellent' being the grade 1.0 to 1.5 and 'Poor'

as 4.51 to 5.0 till the FY 2014-15. For the FY 2009-10, CMPDIL was given the highest MoU rating of 1.00 (Excellent) and during FY 2014-2015, it was given Excellent (1.002) rating by Department of Public Enterprises which was the third best amongst all CPSEs and best in its syndicate. From FY 2015-16 onwards, system of grading was changed from 5-point scale to percentage system. CMPDIL has been awarded with Excellent MoU rating from 2007-08 to 2020-21 except for three years when it was Very Good, whereas, performance evaluation of MoU for FY 2021-22 is under process of evaluation and approval at CIL.

1.3.11 Risks and Concerns

- Obtaining approval for drilling in forest areas with enhanced number of borehole density and law and order problems are the major impediments in the way of drilling.
- In absence of commensurate growth in the regional exploration, sustenance of the detailed drilling capacity seems difficult. Further, restrictions in exploration in forest area may pose problem in expansion programme.
- Market competition from other domestic or international consultancy service providers in view of opening of the coal sector.
- Coal is fast being replaced by renewable energy sources like solar, wind, etc. Over the years, the development of these alternative power sources will increase and become cheaper which may pose threat to the conventional business of CMPDIL.
- Being a dominantly human resource driven company, present high age profile will prove detrimental in future. Expert manpower is fast depleting as many of its experienced technical experts are superannuating.
- In compliance of the provisions under the Companies Act and as per the CIL's

guideline in respect of risk management, a Risk Management Committee with a Board level member as its head has been constituted at CMPDIL.

1.3.12 Internal Control Systems

- CMPDIL has robust internal control systems and processes in place for smooth and efficient conduct of business and complies with relevant laws and regulations.
- A comprehensive delegation of power exists for smooth decision making.
- Elaborate guidelines for preparation of accounts are followed consistently for uniform compliance.
- Audit committee is formed to keep a watch on compliance with internal control systems.
- Internal audits are conducted by Chartered Accountants/Cost Accountant Firms.
- Internal control framework has been developed identifying key controls and supervision of operational efficiency of designed key control by internal audit.
- Whistle Blower policy has been adopted and is being followed.

1.3.13 Material Development in Human Resources

CMPDIL, being a public sector undertaking, salaries, wages and benefits of its employees are determined by the Government of India and are fixed once in 5 years for non-executives and once in 10 years for executives. CMPDIL also provides continuous training and development opportunities to its employees, middle and senior management executives, other officers and management trainees. In addition, company also arranges external training programs and international training sessions outside India. The detailed report on this matter is included in the relevant portion of the Report.

1.3.14 Discussion on Financial performance with respect to Operational Performance

The total income of the company primarily comprises of income from consultancy services rendered to CIL & its subsidiaries and other companies, other incomes, and interest earned. The total income of Financial Year 2022-23 is Rs. 1398.78 crores as against Rs. 1238.26 crores in the previous year, thus registering an Increase of 12.96%. The total expenditure of F.Y. 2022-23 is Rs. 1031.83 Crores (Net of OCI) as against Rs. 872.22 crores resulting in increase of 18.30%.

Income tax expense comprises current tax expense and deferred tax expense or credit computed in accordance with the relevant provisions of the I.T Act, as amended. Provision for current taxes is recognized based on the estimated tax liability for allowances and exemptions in accordance with the I.T Act. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to timing differences. They are measured using tax rates and tax regulations enacted upto the balance sheet date. The effect due to change in the tax rates is recognized in the financial statement of the relevant fiscal year of change of rate. Deferred tax assets in respect of carry forward losses are recognized to the extent that there is virtual certainty that sufficient future taxable income will be available against which such deferred tax asset can be realized.

The Profit Before Tax is Rs. 366.95 crores (Excluding OCI) as against Rs. 366.04 crores (Excluding OCI) in the previous year, increased by Rs. 0.91 crores. The Profit After Tax is Rs. 296.66 crores (Excluding OCI) as against Rs. 282.12 crores (Excluding OCI) for the previous year, increased by Rs. 14.54 crores.

1.4 Financial Overview of CMPDIL

During the year the company made a profit after tax of Rs. 296.66 Crores. The summary of the working results for the last three years is as follows:

(₹ In Crores)

Particulars	Performance of CMPDIL		
	F.Y. 2020-21	F.Y. 2021-22	F.Y. 2022-23
1. Profit before Taxes (₹ in Crore)	414.49	366.04	366.95
2. Profit after Taxes (₹ in Crore)	316.96	282.12	296.66
3. Turnover (₹ in Crore)	1488.60	1208.43	1386.09
4. Profit before tax to Turnover (%)	27.84	30.29	26.47
5. Earning per share (₹)	2219.61	1975.63	2077.45

1.4.1 Explanation or Comments on Statutory Auditors Report and Secretarial Audit Report

The report of Statutory Auditor and the explanations or comments by the Board on every qualification, reservation or adverse remark made by the Statutory Auditor is enclosed as **Addendum-IV** to the report.

The report of Secretarial Auditor and the explanations by the Management on a remark made by the Secretarial Auditor is enclosed as **Addendum-V** to the report.

1.4.2 Particulars of loans, guarantees or investments Under Section 186 of the Companies Act, 2013

As per Section 186 of the Companies Act, 2013 the company should disclose to the members in the financial statement the full particulars of the loans given, investment made or guarantee given or security provided and the purpose for which the loan or guarantee or security is proposed to be utilised by the recipient of the loan or guarantee or security.

No loans given, no investment made or guarantee given or security provided to any person, firm or company. The details are reported in the financial statement.

1.4.3 State of Company Affairs

The paid up share capital of the company stands at Rs. 142.80 crores against the authorized capital of Rs. 150 crores. The capital Reserve stands at

20.13 crores, general reserve stands at Rs. 44.78 crores and the surplus in P/L account stands at Rs.1030.07 crores (Including OCI) and totally constituting to the shareholders fund Rs. 1217.65 crores. Non-current liability Rs. 82.54 crores and current liabilities Rs. 599.21 crores.

The company owns net fixed assets of Rs. 243.80 Crores, Deferred tax assets (net) Rs 57.89 crores, other non-current assets Rs. 19.20 crores and current assets Rs. 1598.64 crores.

The total revenue from operations and other incomes stands at Rs. 1398.78 crores and after meeting all expenditure and taxes, the net profit stands at 296.44 crores. The earning per share (face value Rs 1000 per share) works out Rs. 2077.45

1.4.4 Capital Expenditure till 31st March, 2023

(₹ in Crores)

	2021-22	2022-23
Land & Building	5.51	0.90
Plant & Machine	24.92	25.30
Office equipment	0.05	1.73
Furniture	1.79	5.99
Telecom	0.01	0.60
Vehicle	-	1.09
Software	8.02	7.30
ERP under development	2.3	-
Total	42.60	42.91

CAPEX including GST for the FY 2022-23 is Rs 48.81

1.4.5 Declaration of Interim Dividend

The Board approved Interim Dividend in its 266th Board Meeting held on 17th March, 2023 for the Financial Year 2022-23, based on the working results for the period up to 31st December,2022, Rs. 70 Crore i.e. Rs. 490.20 per share (Dividend per share) be paid on 14,28,000 Equity shares of ₹ 1000/- each (Face Value of Share) out of current year's profit after tax and surplus in the Profit & Loss Account of the Company as on 31.12.2022 for the FY 2022-23.



1.4.6 Material changes after 31.03.2023

No material changes and commitments, affecting the financial position of the company have occurred between the end of the financial year of the company to which the financial statements relate and the date of the report.

1.5 Corporate Governance:

Corporate Governance is a set of relationships between a company's management, its Board, its shareholders and other stakeholders. It provides a principled process and structure through which the objectives of the company, the means of attaining the objectives and systems of monitoring performance are also set.

The report of Corporate Governance Certificate and the explanations by the Management on a remark made by the Auditor is enclosed as **Addendum-III** to the report.

1.6 Company's Philosophy

The philosophy of the Company in relation to Corporate Governance is to ensure transparency, integrity, accountability, confidentiality, control, social responsibility, disclosures and reporting that conforms fully to laws, regulations and guidelines.

For effective implementation of the Corporate Governance practices, the company has a well-defined policy framework consisting of the following:

- Code of Conduct for Directors and Senior Management Personnel
- Code of Conduct for prevention of Insider Trading by Coal India Limited
- Whistle Blower policy
- Risk Management Plan

1.7 Board of Directors

The business of the company is managed by the Board of Directors. The president determines, from time to time, the number of Directors of the company. The Directors are not required to hold

any qualification shares. The Chairman, Functional Directors, Part-time official Directors and Non-official part-time Directors are appointed by the President of India and they are paid salary, allowances, sitting fees etc. as determined by the President of India subject to provisions of the Companies Act, 2013 and terms and conditions of the appointment order.

(A) Size of the Board:

In terms of the Article of Association of the company, strength of our Board shall not be less than 3 Directors and not more than 15 Directors. These Directors may be Whole Time Directors /Functional Directors, Official Part-Time Directors or Non-Official Part-Time Directors/Independent Directors.

(B) Composition of the Board of Directors category wise:

As on 31st March, 2023, the Board of Directors of CMPDIL comprises of 7 (Seven) Directors out of which Five are Whole-time Directors including the Chairman-cum-Managing Director, Two Part-time official Directors. The Board is headed by an Executive Chairman, Shri Manoj Kumar.

The Independent Directors are yet to be appointed by the Ministry of Coal, Govt. of India after the cessation of office of the Independent Directors appointed earlier. As such the guidelines on Corporate Governance in respect of composition of Board could be followed only on appointment of the Independent Directors.

The composition of Board of Directors as on 31st March, 2023 is as follows:

I. WHOLE-TIME DIRECTORS

A. Chairman-cum-Managing Director

1. SHRI MANOJ KUMAR

B. Functional Directors

1. SHRI RABINDRA NATH JHA
2. SHRI SATENDRA KUMAR GOMASTA
3. SHRI SHANKAR NAGACHARI

4. SHRI AJAY KUMAR

II. PART-TIME OFFICIAL DIRECTORS

1. DR. B. VEERA REDDY

2. SHRI MANOJ KUMAR GUPTA

III. PERMANENT INVITEE

1. SHRI AJITESH KUMAR

(C) Number of Board Meetings held and dates on which held

The Board of Directors is the supreme body of the company which oversees the overall function of the company. 10 (Ten) Board meetings were held during the financial year 2022-23.

Sl. No.	Number of Meeting	Dates	Day	Place
1.	257 th	10.05.2022	Tuesday	Ranchi
2.	258 th	17.06.2022	Friday	Ranchi
3.	259 th	08.07.2022	Friday	New Delhi
4.	260 th	28.07.2022	Thursday	Ranchi
5.	261 st	22.09.2022	Thursday	Ranchi
6.	262 nd	15.10.2022	Saturday	New Delhi
7.	263 rd	04.11.2022	Friday	Ranchi
8.	264 th	29.11.2022	Tuesday	Ranchi
9.	265 th	24.01.2023	Tuesday	Ranchi
10.	266 th	17.03.2023	Friday	Ranchi

(D) Attendance of each Director at the Board Meetings

Details of number of Board Meetings attended by the each Director are as follows

Sl. No.	Directors	No. of Board Meetings held during their tenure	No. of Board Meetings attended	Attended at the last AGM
Functional Directors				
1.	Shri Manoj Kumar	10	10	Yes
2.	Shri R.N. Jha	10	9	Yes
3.	Shri Satendra Kumar Gomasta	10	10	Yes
4.	Shri Shankar Nagachari	6	6	-
5.	Shri Ajay kumar	4	4	-
Part-time official Directors				
6.	Dr. B. Veera Reddy	10	10	Yes
7.	Shri Mukesh Choudhary	8	7	No

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Sl. No.	Directors	No. of Board Meetings held during their tenure	No. of Board Meetings attended	Attended at the last AGM
8.	Shri Manoj Kumar Gupta	1	1	-
Part-time Non-official Directors				
9.	Smt. Alka Panda	3	3	-
10.	Dr. Krishna Chandra Pandey	3	3	-
11.	Shri Pramod Singh Chauhan	6	6	Yes

Sl. No.6 was appointed as Nominee Director from Coal India Limited w.e.f. 22.02.2022.

Sl. No.7 was appointed as Govt.Nominee Director from Ministry of Coal w.e.f. 26.05.2020 to 07.12.2022.

Sl. No.8 was appointed as Govt.Nominee Director from Ministry of Coal w.e.f. 22.02.2023

(E) Disclosure of interest as on 31st March, 2023.

Sl. No.	Name of the Directors	Company in which interested	Nature of Interest i.e. Chairman, Director, Manager & Secretary
Functional Directors			
1.	Shri Manoj Kumar	NIL	-
2.	Shri R. N. Jha	NIL	-
3.	Shri S.K. Gomasta	NIL	-
4.	Shri Shankar Nagachari	NIL	-
5.	Shri Ajay Kumar	NIL	-
Part-time official Directors			
6.	Shri B. Veera Reddy	1. Coal India Limited	1. Director
		2. Coal Lignite Urja Vikas Private Limited	2. Director
		3. South Eastern Coalfields Limited	3. Director
		4. CIL Solar PV Ltd.	4. Director
		5. CIL Navikarniya Urja Limited	5. Director
		6. Coal India Africana Limitada	6. Chairman
		7. Eastern Coalfields Limited	7. Director.
7.	Shri Manoj Kumar Gupta	NIL	-

(F). Information placed before the Board meeting

Board has complete access to any information within the Company. The information supplied to Board includes:

- Capital and Revenue Budgets.
- Quarterly and Annual Financial results of the Company.
- Periodic Review of the Performance of the Company.
- Periodic Review of availability & utilization of Heavy Machines.
- Periodic Report on Compliance of applicable Laws.
- Annual Report, Directors' Report etc.
- Minutes of the meeting of Audit Committee, CSR Committee, Nomination and Remuneration Committee and Risk Management Committee.
- Award of large contracts / Agreements.
- Disclosure of interest by Directors about Directorship and position occupied by them in other companies.
- Declaration of Independence by Independent Director.
- Manpower Budget.
- Any other materially important information.

1.8 Brief Profile of the Directors:



Shri Manoj Kumar
(DIN 09225497)

graduated in Mining Engineering from IIT-BHU, Varanasi in 1986 and also obtained First Class Mine Manager's

Certificate of Competency in the year 1990. He started his career in the coal industry from Korba area of South Eastern Coalfields Limited (SECL) in the year 1986 and has vast experience in field level working of both UG and OC mines.

He joined CMPDIL in 1998 and has worked in UG and OC mine planning and played a lead role in planning of India's biggest coal mines like Gevra, Kusumunda and Dipka Mines. He also has an administrative experience of 9 years as Regional Director of three RIs of CMPDIL, where he facilitated in making of future roadmap for NCL, SECL and CCL.

He was also HoD of CBM/CMM Clearing house of CMPDIL and got the first two Project Reports of CIL's CBM Blocks approved during his tenure. He was awarded as the best General Manager at Coal India Level in the year 2019.

He visited Poland, Australia and Kazakhstan in official capacity and has exposure of global mining practices.

He is Chairman-cum-Managing Director, CMPDIL w.e.f. 04.10.2021.



Dr. B. Veera Reddy
(DIN 08679590) has assumed the charge of Director (Technical), CIL w.e.f 1st February'2022. Prior to this he was Director (Technical)

Operations of Eastern Coalfields Limited from 01.01.2020 till 31.01.2022. He did his B. Tech in Mining from Kothagudem School of Mines, Osmania University in the year 1986 and obtained First Class Managers Competency Certificate by DGMS in the year 1990. He has also completed Master of Technology in Mine Planning from Kothagudem School of Mines, Osmania University in the year 2000. Shri Reddy joined SCCL in the year 1987 and has more than 32 years of experience in coal mining, planning, procurement and operations. He worked in different capacities in the Mechanized Underground and Opencast mines and in Corporate Project Planning department of SCCL. Prior to his joining as

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Director (Technical) Operations of Eastern Coalfields Limited he worked as General Manager of Adriyala Longwall Project Area of the Singareni Collieries Company Limited.

He has been appointed as Official part-time Director on the Board of CMPDIL w.e.f. 24.02.2022.



Shri Choudhary Mukesh (DIN 07532479) graduated with Bachelor's Degree in Mechanical Engineering, is also MBA and CFA degree holder. He is an Officer of Indian Ordinance Factory Services (IOFS) since 1997.

He has joined as Director (CLD), Ministry of Coal, Govt. of India w.e.f. 17.03.2016.

He has experience of over 20 years during which he has served in different capacities viz. OFSC, Nagpur (1997-1999), VM/ DGM. GSF, Kolkata (1999-2009), DGM, SAF, Kanpur (2009- 2010) and as Jt. GM/ Director, Kanpur (2010-2016).

He was Part-Time Official Director on the Board of NCL from 29.11.2019 to 17.03.2020 and was also appointed as Part-Time Official Director on the Board of SCCL from 11.01.2019 to 05.06.2020.

He was also appointed as Part-Time official Director on the Board of CCL from 05.06.2020 to 02.01.2022.

He has been appointed as Official Part-Time Director on the Board of CMPDIL w.e.f. 26.05.2020 till 07.12.2022.



Shri Manoj Kumar Gupta (DIN: 09460769) has joined his service on 05.02.1990. He has served as Official Part-Time Director on the Board of Neyveli

Uttar Pradesh Power Ltd. (NUPPL) from 03.01.2022 to 21.02.2023.

He has wide experience in Establishment, Personnel matters, Recruitment Rules, Recruitment/promotion proposals, work study, DDO, Cash/Plan, Budget, NHDP and other NH Road projects/ estimates, Schemes, MP/VIP References, Preparation of Annual Plan, Regulation of CMPF&MP Act, 1948. CMPS, 1998 and administrative and financial matters of CMPFO, Matters related to CIMS Portal of M/o Coal, Parliamentary Committee matters.

He has been appointed as Official Part Time Director on the Board of CMPDIL w.e.f. 22.02.2023



Shri Rabindra Nath Jha (DIN 05195902) graduated in Mining Engineering in 1985 from Indian School of Mines, Dhanbad. He obtained 1st Class Mine

Manager Competency Certificate (Coal) from DGMS, Dhanbad in 1990. He is also a Lead Quality System Auditor and has a Post Graduate Diploma in Export & Import Management.

He started his career in the deepest Coal Mine of India Chinakuri Pits 1 & 2 of Eastern Coal fields Limited. He worked in Longwall with stowing mine. After serving ECL for 7 years he joined CMPDIL in 1992. He worked in CMPDIL and its different Regional Institutes in Project Monitoring / Appraisal Division, Opencast Mining, Underground Mining and Environment Division.

He joined Mineral Exploration Corporation Limited as Director (Technical) in January, 2012.

- MECL became Mini Ratna (Category II) Company during his tenure.



- MECL started giving Dividend to Government of India in 2014 after a gap of 25 years.
- MECL successfully completed a Geothermal Project in Chumathan (Near Leh) for the DRDO in the year 2012.
- During his tenure the drilling enhanced from 2.96 Lakh mtr. in 2012 to 6.32 Lakh Mtr. in 2018 and the PAT increased from Rs. 10 Crs to Rs. 95 Crs.
- MECL was one of the earlier PSU to implement 3rd Pay Revision in March, 2018.
- MECL got 1st Prize of "HINDUSTAN RATNA" Award for best financial performance among Mini Ratna PSUs by HINDUSTAN TIMES in Feb'2018 by Hon'ble Minister of Coal Shri Piyush Goyal and Minister of Petroleum & Natural Gas Shri Dharmendra Pradhan.
- He got the First Prize of CEO with HR Orientation by World HR Congress in Mumbai in February' 2018.

He represented MECL and Ministry of Mines in various Committees related to Mineral Exploration and Development Mining. He had visited Canada, Dubai, Peru etc. and has presented numerous technical papers related to Mineral Exploration and Mining.

He has been appointed as Director (Technical) (Research, Development & Technology) in CMPDIL w.e.f. 30.01.2019.



Shri Satendra Kumar Gomasta (DIN 08714820) obtained Degree in Mining Engineering from Raipur Engineering College, Raipur in 1984.

He passed First Class Mine Manager's certificate of competency in the year 1989. He also possesses a degree in Post

Graduate in Marketing Management. He started his career in the coal industry from WCL in the year 1984. He has worked in different capacities in underground and opencast mining in the subsidiary companies of Coal India Limited namely WCL, SECL and NCL. His vast working experience of 16 years in opencast mines and 18 years in underground mines, will immensely benefit CMPDIL as well as entire coal mining industry.

He visited Switzerland and France in 2014 to attend Higher Management course. Shri Satendra Kumar Gomasta takes over the charge as Director (Technical) of CMPDIL on 25.02.2020. Prior to this, he served as General Manager (Mining), Northern Coalfields Limited, Singrauli.

He was appointed as Director (Technical) (Coal Resource Development) on the Board of CMPDIL w.e.f. 25.02.2020.



Shri Shankar Nagachari (DIN 09729657) has assumed charge as Director (Technical/ Engineering Services) in CMPDIL. Prior to this he serves in various capacities

at SECL. Shri Nagachari obtained his Mining Engineering Degree in 1988 from the Institution of Engineers (India) and M.B.A. Degree in Marketing Management from IGNOU. Shri Nagachari Started his career from Ambara Colliery, Kanhan Area Western Coalfields Limited. Shri Nagachari worked in Coal Production Activities in various capacities from Mine Manager to Area General Manager in Underground and Open cast Mines of Western Coalfields Limited and South Eastern Coalfields Limited. Under his Leadership Baikunthpur Area and Sohagpur Area of SECL received National Safety Awards.

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The vast experience and Knowledge of Shri Nagachari is expected to benefits not only CMPDIL but the Coal Industry as a whole.



Shri Ajay Kumar (DIN: 09774347) assumed charge as Director (Technical/ Planning & Design) at CMPDIL w.e.f 26.10.2022. Prior to this, he has served in various capacities at

NTPC Limited, CMPDIL Regional Institute-V, Bilaspur, CMPDIL and CCL.

Shri Ajay Kumar obtained Mining Engineering Degree in 1989 from IIT (ISM) -Dhanbad and in the same year, Shri Kumar started his career from N.K. Area of Central Coalfields Limited. Shri Kumar obtained First Class Mine Manager's Certificate of Competency in the year 1993.

Shri Kumar also visited Indonesia and Australia in official capacity and acquired Knowledge on working Methods of Coal Mines in these countries.

Shri Kumar has vast experience and expertise in Open cast Mine Planning and Mine Development which will benefit CMPDIL as well as entire Coal Mining Industry.



Dr. Krishna Chandra Pandey (DIN 06706962) is a Post Graduate (M.A.) from Ruhelkhand University Bareilly in 1990 and

Ph.D. in 1996 from Agra University. He taught at Agra University Agra, Delhi Administration, and Makhanlal Chaturvedi National Journalism University, Bhopal.

He was Editor-in-chief of the monthly news magazine Makhanlal Chaturvedi National Journalism and Communication

University, Bhopal from 2016 to 2018, in Panchnad Research Institute and Editing Panchnad Research Magazine from 2015 to 2017. He was a coordinator of training camps at the National Institute of Sanskrit (Government of India) in the Indian Heritage magazine from 2007 to 2019.

He also conducted the training camps of the National Conjunction of Bharat Sanskrit Parishad from 1996 to 2007 and served as General Secretary at Indraprastha Sahitya Bharati Delhi from 2015 to 2017.

He published 7 books and nearly 200 articles on writing and various subjects of All India Vidya Parishad and Vigyan Bharati.

The Sanskrit Samaradak Samman was conferred by the Government of Delhi in 1998. He was awarded the Best Teacher Award in 2005 and Samaj Ratna Samman in 2015. He was also awarded the Atal Literature Award in 2015.

At present he is an Advisor to the Department of Public Property Conservation at Prasar Bharati. He is preserving the traditionally popular folk songs of all language dialects all over the country. He is also writing on public literature and the Indian education system.

He was appointed as Non-official part time Director on the Board of CMPDIL w.e.f. 10.07.2019 to 09.07.2022.



Smt. Alka Panda (DIN 08524514) is an IAS Officer of 1983 batch, Orissa Cadre. She holds a Master's degree in Chemistry from the University of Rajasthan,

Jaipur. During her service career, she inter alia held positions as Secretary to Govt. of Orissa, Women and Child development dept, Agriculture dept, and Tribal welfare dept. Before her deputation to the Govt. of India in 2010, she was Chief Electoral

Officer, Orissa. She superannuated in July 2017, as Director General of Bureau of Indian Standards, New Delhi in the rank equivalent to Secretary, Govt. of India.

She has been appointed as Non-official Part Time Director on the Board of CMPDIL w.e.f 10.07.2019 to 09.07.2022.



Shri Pramod Singh Chauhan (DIN

01308337) is a graduate and by profession he is a Chartered Accountant in practice. He held the position of CICASA

Chairman at Agra Branch of CIRC of The Institute of Chartered Accountants of India in the year 2014-15. He also served as Chairman of Agra Branch of CIRC of The Institute of Chartered Accountants of India in the year 2015-16. He is a leading practitioner of Agra and his areas of specialisation are Audit, Accounts, Income Tax & CSR. He served as Director at Prince Corporate Services Pvt. Ltd. Presently, he holds the position of Directorship at Ashtavinayak Realtors Pvt. Ltd. He is motivational speaker and his article have been published in various newspapers.

He is the member of the advisory committee for Civil Enclave, Airport Authority, Agra.

He is the member of planning and advisory committee for “**Infrastructure Facilities and Educational Development**” of Dr. Bheemrao Ambedkar University, Agra.

He has been appointed as non-official part time Director on the Board of CMPDIL w.e.f 16.10.2019 till 15.10.2022.



Shri Ajitesh Kumar

belongs to 2006 Batch of Central Power Engineering (Group-A) Service selected through Engineering

Service Examination, 2005 conducted by Union Public Service Commission. He did his B.Tech (Electrical Engineering) from Govind Ballabh Pant University of Agriculture & Technology, Pantnagar (Uttarakhand).

He joined Central Electricity Authority, New Delhi in 2008 and was dealing in the appraisal of Detailed Project Reports of Hydro Electric project till 2016. In 2016 he was deputed to Tehri Hydro Development Corporation Limited (THDCL) for Hindas –on- Exposure to power plant operation and was posted in Power House of Tehri Hydro Electric Project, Uttarakhand.

After returning back to CEA in 2017 he was posted in Power System Project Monitoring Division and worked there till September, 2019 dealing with matters of transmission projects awarded under Tariff Based Competitive Bidding Scheme and other transmission projects of national importance.

At present he is serving as Director (P&S -I/P&S-II/NA) Ministry of Coal .He has been appointed as Permanent Invitee on the Board of CMPDIL w.e.f 13.01.2020.

1.9 A statement on declaration given by Independent Directors under sub-section (6) of section 149;

Dr. Krishna Chandra Pandey, Smt. Alka Panda and Shri Pramod Singh Chauhan are the Independent Directors of the company. All the Independent Directors discharged their duties and declared that they meet the criteria of independence as provided in sub- section (6) of Section 149 of Companies Act, 2013 for the financial year 2022-23.



1.10 A. Audit Committee:

The primary function of the Audit Committee is to assist the Board of Directors in fulfilling its oversight responsibilities by reviewing the financial report, the Company's system of internal control regarding finance, Accounting and the Company's auditing, accounting and financial reporting process generally.

The Audit Committee reviews reports of the Internal Auditors, meets Statutory Auditors and discusses their findings, suggestions and other related matters and reviews major accounting policies followed by the Company.

B. Terms of reference:

The terms of reference of the Audit Committee are in accordance with Section 177 of the Companies Act, 2013 and in accordance with the guidelines on Corporate Governance of CPSEs issued by the Ministry of Heavy Industries and Public Enterprises, Department of Public Enterprises.

The Terms of reference of Audit Committee will cover all commercial aspects of the organization inter-alia:

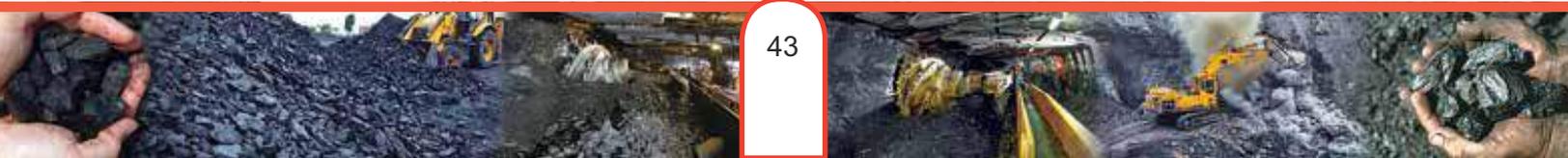
- i. Review of financial statement before submission to the Board.
- ii. Periodical review of internal control system.
- iii. Review of Government audit and Statutory Auditor's report.
- iv. Review of operational performance vis-à-vis standard parameters.
- v. Review of projects and other capital scheme.
- vi. Review of internal audit findings/ observations.
- vii. Development of a commensurate and effective Internal Audit function.

- viii. Special studies/investigation of any matter including issues referred by the Board.

C. Scope of Audit Committee:

The Scope / Role of Audit Committee is as follows:

1. Overseeing of the company's financial reporting process and the disclosure of its financial information to ensure that the financial statement is correct, sufficient and credible.
2. Recommending to the Board the fixation of audit fees.
3. Approval of payment to Statutory Auditors for any other services rendered by the Statutory Auditors.
4. Reviewing, with the Management, the Annual Financial Statements before submission to the Board for approval, with particular reference to:
 - a. Matters required to be included in the Directors' Responsibility Statement to be included in Boards report in terms of Section 134(3) and 134(5) of the Companies Act, 2013.
 - b. Changes, if any, in accounting policies and practices and reasons for the same;
 - c. Major accounting entries involving estimates based on the exercise of judgment by management;
 - d. Significant adjustments made in the financial statement arising out of audit findings;
 - e. Compliance with legal requirements (applicable laws, regulation and Company policies) relating to Financial Statements;
 - f. Disclosure of any related party transactions; and



5. Reviewing with the Management, the Quarterly Financial Statements before submission to the Board for approval.
 6. Reviewing with the Management, performance of Internal Auditors and adequacy of the internal control systems.
 7. Reviewing the adequacy of internal audit function, if any including the structure of the internal audit department, staffing and seniority of the official heading the department, reporting structure coverage and frequency of internal audit.
 8. Discussion with Internal Auditor and / or Auditors any significant findings and follow up thereon.
 9. Reviewing the findings of any internal investigations by the Internal Auditors /Auditors / agencies into matters where there is suspected fraud or irregularity or a failure of internal control system of a material nature and reporting the matter to the Board.
 10. Discussion with Statutory Auditors before the audit commences, about the nature and scope of audit as well as post-audit discussion to ascertain any area of concern.
 11. Reviewing the functioning of the Whistle Blower Mechanism.
 12. Reviewing the follow up action on the audit observations of the C&AG audit.
 13. Providing an open avenue of communication between the Independent Auditor, Internal Auditor and the Board of Directors.
 14. Reviewing and approving all related party transactions in the company. For this purpose, the Audit Committee may designate a member who shall be responsible for reviewing related party transactions as contained in the Accounting Standard 18 issued by the Institute of Chartered Accountants of India.
 15. Reviewing with the Independent Auditor the co-ordination of audit efforts to assure completeness of coverage, reduction of redundant efforts, and the effective use of all audit resources.
 16. Reviewing with the Independent Auditors the adequacy of internal controls including computerized Information System Controls and security, and related findings and recommendations of the Independent Auditor and Internal Auditor, together with the management responses.
 17. Consider and review with the management, Internal Auditor and Independent Auditor, the significant findings during the year including the status of previous audit recommendations and any difficulties encountered during audit work including any restrictions on the scope of activities or access to required information.
 18. To look into the reasons for substantial defaults in the payment to the depositors, debenture holders, shareholders (in case of non- payment of declared dividends) and creditors.
 19. To review the follow up action taken on the recommendations of Committee on Public Undertakings (COPU) of the Parliament.
 20. Carrying out any other function as mentioned in the terms of reference of the Audit Committee.
- D. Powers of the Audit Committee:**
- The Audit Committee shall have powers commensurate with its role including the following:
1. To investigate any activity within its terms of reference.
 2. To seek information from any employee.
 3. To obtain outside legal or other professional advice.

4. To secure attendance of outsiders with relevant expertise, if considered necessary.
5. To protect whistle blowers.
6. To mitigate conflicts of interest by strengthening Auditors independent.
7. To ensure the effectiveness of internal controls and risk management.

E. Review of information by Audit Committee:

The Audit Committee shall review the following information:

- i. Management discussion and analysis of financial condition and results of operations;
- ii. Statement of related party transactions submitted by management;
- iii. Management letters/letters of internal control weaknesses issued by the Statutory Auditors;
- iv. Internal Audit reports relating to internal control weaknesses;
- v. The appointment and removal of the Chief Internal Auditor shall be placed before the Audit Committee; and
- vi. Certification / Declaration of Financial Statements by the Chief Executive / Chief Finance Officer.

1.11 Composition:

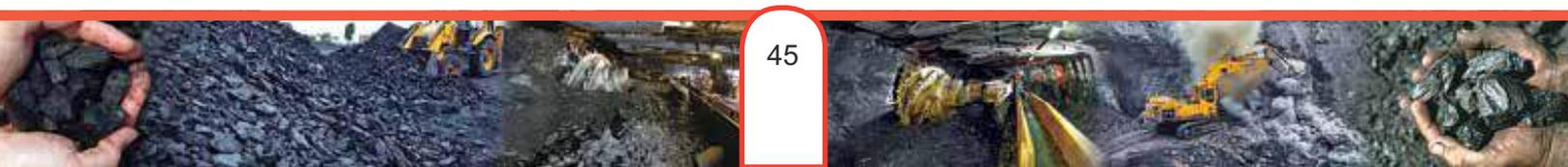
The Audit Committee consists of following members and is headed by an Official Part-Time Director

S.N.	Name of Director	Status	
1	Dr. B. Veera Reddy	Chairman	Official Part-time Director
2	Shri Manoj Kumar Gupta	Member	Official Part-time Director
3	Shri S.K. Gomasta	Member	Functional Director
4	Shri Shankar Nagachari	Member	Functional Director

General Manager (Finance), HoD (IAD) and Statutory Auditors are invited to the Audit Committee Meeting. CFO is the Permanent Invitee and Company Secretary is the Secretary to the Committee. Senior functional executives are also invited as and when required to provide necessary clarification to the Committee. Internal Audit Department provide necessary support for holding and conducting the Audit Committee Meeting.

Meeting and Attendance:

7 (Seven) meetings were held during the financial year 2022-23 on 10.05.2022, 08.07.2022, 28.07.2022, 22.09.2022, 04.11.2022, 24.01.2023 and 17.03.2023 respectively. The details of the Audit Committee meetings attended by members are as under:



S.N.	Name of Director	No. of Audit Committee Meetings held during their tenure	No. of Audit Committee Meetings attended
Functional Directors			
1.	Shri S. K. Gomasta	7	7
2.	Shri Shankar Nagachari	2	2
Part-time official Directors			
3.	Dr. B. Veera Reddy	7	6
4.	Shri Mukesh Choudhary	5	4
Part-time Non-official Directors			
5.	Smt. Alka Panda	2	2
6.	Dr. Krishna Chandra Pandey	2	2
7.	Shri Pramod Singh Chauhan	4	4

1.12 Nomination and Remuneration Committee

The Board constituted the Nomination & Remuneration Committee of CMPDIL in its 191st Board Meeting held on 30.12.2015 in order to follow the best practice of Corporate Governance and to comply with the guidelines of Corporate Governance and the listing agreement entered into by Coal India Limited with Stock Exchanges.

A. Composition

The Board reconstituted the Nomination & Remuneration Committee of CMPDIL in its 234th Board meeting held on 09.06.2020 consists of following members and is headed by a Non-official part-time Director (Independent Director):

S.N.	Name of Director	Status	
1	Smt. Alka Panda	Chairperson	Independent Director
2	Dr. Krishna Chandra Pandey	Member	Independent Director
3	Shri Pramod Singh Chauhan	Member	Independent Director
4	Shri Mukesh Choudhary	Member	Official part-time Director
5	Shri S.K. Gomasta	Permanent Invitee	Functional Director

Company Secretary will act as Secretary to this Committee and HoD (P&A) would be the Nodal Officer of the Committee providing all services to the Committee.

B. Meeting and Attendance:

No meeting was held during the financial year 2022-23.

1.13 Remuneration of Directors from April, 2022 to March, 2023:

All the Directors of the company are appointed by the President of India. The terms and conditions and the remuneration of all full time Functional Directors are decided by the President of India in terms of Articles of Association of the company / Coal India Limited.

Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



(A) Functional Directors

The details of the Remuneration of the Functional Directors of the Company for the financial year April, 2022 to March, 2023 are as under:

(Figure in Rs)

Name	Designation	Gross Salary and Allowances	Perks (35% of Basic + Other Perks)	HRA	CMPF Employer's Contribution (PF+PENSION & CIL EDCPS)	Leave Encashment	PRP Advance / PRP	Medical expenses	TOTAL
Shri Manoj Kumar	CMD	36,62,281.49	9,63,693.15	-	10,98,684.45	6,40,669.20	9,19,891.44	95,061.00	73,80,280.73
Shri R.N. Jha	Director (Tech)	36,07,558.56	9,49,536.00	-	10,82,267.57	-	27,96,459.00	31,499.00	84,67,320.13
Shri S.K. Gomasta	Director (Tech)	35,85,056.05	9,51,972.00	-	10,75,516.82	-	23,82,231.00	41,031.00	80,35,806.87
Shri S. Nagachari	Director (Tech)	18,38,470.93	4,75,873.76	-	5,51,541.28	-	7,63,680.00	14,050.00	36,43,615.97
Shri Ajay Kumar	Director (Tech)	12,56,511.67	3,23,502.90	1,66,372.92	3,76,953.50	-	-	3,832.00	21,27,172.99
Total		1,39,49,878.70	36,64,577.81	1,66,372.92	41,84,963.61	6,40,669.20	68,62,261.44	1,85,473.00	2,96,54,196.68

(B) Part-Time Official Directors

No remuneration is being paid to the Part-Time Official Directors by CMPDIL:-

1. Shri Manoj Kumar Gupta, Deputy Secretary(EA/CSR&W) is the Govt. Nominee Director from the Ministry of Coal, New Delhi. His remuneration is being paid by the Ministry of Coal, Govt. of India.
2. Dr. B. Veera Reddy, Director (Technical) is the Nominee Director from Coal India Limited, Kolkata and his remuneration is being paid by the Coal India Limited.

(C) Independent Directors

No remuneration is being paid to the Independent Directors of the Company except the sitting fees for attending the Board and Committee meetings at the rate fixed by the Coal India Ltd. Board of Directors within the ceiling fixed under the Companies Act, 2013. The details of the sitting fees paid to the Independent Directors during the F.Y. 2022-23 are given as under:

(Figure in Rs)

Sl. No.	Name of the Independent Directors	Sitting Fees paid for attending		Total (₹ in Lakh)
		Board Meetings (₹ in Lakh)	Committee Meetings (₹ in Lakh)	
1.	Dr. Krishna Chandra Pandey	60,000	60,000	1,20,000
2.	Smt. Alka Panda	60,000	60,000	1,20,000
3.	Shri Pramod Singh Chauhan	1,40,000	1,20,000	2,60,000
	Grand Total	2,60,000	2,60,000	5,00,000

1.14 Annual General Meetings:-

The details of the Annual General Meeting held during the last three years are as follows:

Details	2020-21 46 th AGM	2021-22 47 th AGM	2022-23 48 th AGM
Date	28.07.2021	21.07.2022	21.07.2023
Time	10:15 A.M.	04:00 P.M.	10:45 A.M.
Venue	At the Registered office of the company, Gondwana Place, Kanke Road, Ranchi, Jharkhand - 834031	At the Registered office of the company, Gondwana Place, Kanke Road, Ranchi, Jharkhand -	At the Registered office of the company, Gondwana Place, Kanke Road, Ranchi, Jharkhand - 834031
Special Resolution	Nil	Nil	Nil

1.15 Extra Ordinary General Meeting

The details of the Extra Ordinary General Meeting held during the last three years are as follows:

Details	2020-21, 11 th EGM	2021-22	2022-23
Date	29.09.2020		
Time	10:30 A.M		
Venue	At the Registered office of the company Gondwana Place, Kanke Road, Ranchi - 834 031 Jharkhand	NIL	NIL
Special Resolution	Issue of Bonus Share		

1.16 Independent Directors Meeting:

As per the Companies Act, 2013, Independent Directors are required to hold at least one meeting in a year to discuss the following:

- Review the performance of non-independent directors and the Board as a whole.
- Review the performance of the Chairperson of the company taking into account the views of Executive Directors and Non-executive Directors.
- Assess the quality, quantity and timeliness of flow of information between the company management and the Board that is necessary for the Board to effectively and reasonably perform their duties.

1(One) meeting of Independent Directors was held on 08.07.2022 during the financial year 2022-23.

The detail of the meeting attended by the Independent Directors are as under:-

SL. No.	Name of the Independent Director	Number of meeting attended
1	Dr. Krishna Chandra Pandey	1
2	Smt. Alka Panda	1
3	Shri Pramod Singh Chauhan	1

1.17 Disclosures:

- **Materially Significant related party transactions:**



The Company has not entered into any materially significant related party transactions with the Directors or the Senior Management Personnel or their relatives for the year ended 31st March, 2023 that may have potential conflict of interest of the company at the large.

No agenda was placed before the Board meetings held during the year 2022-23 in respect of any contract or arrangement with a related party.

As per related party transactions policy, any transactions between two Government Companies and transactions between holding Company and Subsidiary Company are exempted.

Contracts or Arrangements with related parties U/s 188 (1) is enclosed as **Addendum-VI**.

- **Details of compliance of Laws by the Company**

The Company is monitoring the compliance of various laws applicable to the Company and there is no adverse report for non-compliance by the Company, penalty, strictures imposed on the Company by any authority on any matter related to any guidelines issued by Government during the last three financial year is brought to the notice of the Company.

- **Access to the Audit Committee as per the Whistle Blower Policy:**

This policy is formulated to provide an opportunity to employees to report to the management instances of unethical behavior, actual or suspected, fraud or violation of the company's code of conduct and to the Audit Committee.

No personnel has been denied access to the Audit Committee as per the Whistle Blower policy and no cases was reported under Whistle Blower policy during the year.

- **Compliance of the guidelines on Corporate Governance:**

The requirements of these guidelines with respect of Board of Directors, Audit Committee, Disclosures, Reports and Code of Conduct etc. are complied with. However, the Guidelines like Subsidiary Companies, Training Policy etc. are uniformly considered by CIL for all its subsidiaries which are followed by CMPDIL also. A certificate from the Company Secretary, who is in whole-time practice with regard to compliance of conditions of Corporate Governance is annexed to this report as **Addendum- III**. The Company has made communications with the Ministry of Coal, who is the appointing authority, for appointment of the required number of Independent Directors to comply with the provisions of the Companies Act, 2013 and DPE Guidelines.

- **Integrity Pact & IEM**

The Company has a Memorandum of Understanding (MoU) with Transparency International India (TII) for implementing an integrity Pact Programme focused on enhancing transparency in its business transactions, contracts and procurement process. Under the MoU, the Company is committed to implement the integrity Pact in all its major procurement and work contract activities. Two Independent External Monitors, being persons of eminence nominated by TII in consultation with the Central Vigilance Commission (CVC), monitor the activities. The Integrity Pact has strengthened the established systems and procedures by creating trust and has the full support of the CVC.

- **CEO/CFO Certification:**

The Chairman-cum-Managing Director /CEO and the General Manager

(Finance)/CFO of the Company have furnished the “CEO/CFO Certification” for the Financial Year 2022-23 to the Board of Directors of the Company which is placed as **Addendum-II** to Directors’ Report.

- **Code of Conduct for Directors and Senior Executives:**

The Code of Conduct for the Directors and Senior Management Personnel of the company has been laid down by the Board, which has been circulated to all the concerned and the same is also hosted on Intranet portal. The Directors and Senior Management personnel of the Company affirmed compliance with the provisions of the Company’s Code of Conduct for the financial year ended 31st March, **2023**.

- **Details of Expenses incurred:**

No items of expenditure debited in the books of accounts, which are not for the purpose of the Business and no expenses debited which are personal in nature and incurred for the Board of Directors and top management, and the company’s Auditor had not reported any such occurrences.

- **Presidential Directives :**

No Presidential Directives was issued by the Central Government to CMPDIL during the financial year **2022-23**.

1.18 Means of Communication

The Company communicates with its shareholder through its Annual Report, General Meetings and disclosures through its Website, Official journal “**Gondwana Bharati**”, **Mine Tech** and publications in the Leading English Newspaper and also in local dailies.

In addition to above, the Annual Report and the quarterly results of the company and other important events were uploaded in the website of the company i.e. www.cmpdi.co.in Information and latest updates and announcements

regarding the company can be accessed to the company website. In order to make the general public aware of the achievements of the company, press conference is also being held.

1.19 Audit Qualification

It is always the Company’s endeavour to present unqualified financial statement.

Comments of the Comptroller & Auditor General of India under Companies Act, 2013 on the Accounts of the Company, for the Financial Year ended 31st March, **2023** is enclosed at **Addendum VIII**.

1.20 Training of Board Members

The Board of Directors were fully briefed on all business related matters, associated risks future strategies etc. of the company.

The Functional Directors are the head of the respective functional areas by virtue of their possessing the requisite expertise and experience. They are aware of the business model of the company as well as the risk profile of the company’s business. The part-time Directors are also fully aware of the company’s business model.

The Independent Directors are sponsored for training on Corporate Governance from time to time. All the official Directors are sponsored for training both in India and abroad as per the policy of CIL. All the newly appointed Directors of the company are familiarized with the various aspects of the company like the constitution, Vision & Mission statement, core activities, Board procedures, Strategic directions etc. by way of detailed presentation, discussion etc.

1.21 Whistle Blower Policy

In order to strengthen the ethical behaviours of the employees of the company and promote the interest of different stake holders, the whistle blower policy of CMPDIL was introduced during the year 2011-12 and Board was informed in its **163rd** meeting held on 08.11.2011. This policy is formulated to provide an opportunity to employees to report to the management



instances of unethical behavior, actual or suspected, fraud or violation of the company's code of conduct. Clause 49 of the Listing Agreement between listed Companies and the Stock Exchanges has been emended and is effective from 4th November, 2010. Clause 49 Inter alia, provides for a non-mandatory requirement for all listed companies to establish a mechanism called "Whistle Blower Policy". It is to provide necessary safeguards for protection of employees from reprisals or victimization.

However, a disciplinary action against the Whistle Blower which occurs on account of poor job performance or misconduct by the Whistle Blower and which is independent of any disclosure made by the Whistle Blower shall not be protected under this policy.

1.22 Risk Management Committee

However, a disciplinary action against the Whistle Blower which occurs on account of poor job performance or misconduct by the Whistle Blower and which is independent of any disclosure made by the Whistle Blower shall not be protected under this policy.

Risk Management Committee was constituted by CMPDIL Board of Directors in its 192nd Board Meeting held on 02.02.2016 and reconstituted by the Board in its 266th Board Meeting held on 17.03.2023.

A.Composition:

The Risk Management committee consists of following members and is headed by a Functional Director:

S.N.	Name of Director	Status	
1	Shri S.K. Gomasta	Chairman	Functional Director
2	Shri Shankar Nagachari	Member	Functional Director
3	Shri Ajay Kumar	Member	Functional Director

Company Secretary will act as Secretary to this Committee and General Manager (IMS) would be the Nodal Officer of the Committee providing all services to the Committee.

B. Meeting and Attendance:

1 (One) meeting was held during the financial year 2022-23 on 27.03.2023. The details of the Risk Management Committee meeting attended by members are as under:

S.N.	Name of Director	Status	Number of meetings attended
1	Shri S.K. Gomasta	Chairman	1
2	Shri Shankar Nagachari	Member	1
3	Shri Ajay Kumar	Member	1

1.23 Code of Internal procedures and conduct for prevention of Insider Trading

Coal India Ltd., the holding company, has adopted code of Internal procedures and conduct for prevention of Insider Trading and dealing with securities of Coal India Ltd. with the objective of preventing purchase and / or sale of the shares of CIL by an insider on the basis of unpublished price sensitive information. This code has been adopted by CMPDIL. Under this code insiders are named as designated employees who are prevented to deal in the CIL's

shares during the closure of trading window. To deal in securities beyond limit specified, permission of compliance officer is required. All designated employees are also required to disclose related information periodically as defined in the code. Company Secretary has been designated as Compliance officer for this code. The Code of Internal procedures and conduct for prevention of Insider Trading is also uploaded in the Intranet Website of CMPDIL.

1.24 Accountability of Directors

Memorandum of Understanding (MoU) between the management of CMPDIL and CIL / MoC, Govt. of India is signed before commencement of the ensuing financial year as laid down in the DPE Guidelines. Under this agreement, the company undertakes to achieve the target set in at the beginning of the year and it is intended to evaluate the performance of CMPDIL at the end of the year against the target fixed. It is done by adopting a system of “Five point scale” and “criteria weight” which result in calculation of “composite score”. The composite score is forwarded to DPE through CIL and the Administrative Ministry (MoC) for their ratification.

The MoU system enables to perform efficiently as there are a variety of parameters both financial and non-financial (Dynamic, Sectors specific and Enterprise specific parameters). This process helps immensely in fulfillment of the long ranging objectives and overall growth. The entire process also ensures transparency and accountability towards stakeholders.

1.25 Quarterly Reporting System on Compliance of Corporate Governance.

A quarterly reporting system has been developed by Ministry to be reported by the CPSEs to their respective Administrative Ministries. In compliance of this, CMPDIL has been submitting its Quarterly report regularly and timely to MoC.

1.26 Key Managerial Personnel

As per the provisions of section 203 of the Companies Act 2013, the Key Managerial Personnel as on 31st March, 2023 are:

Shri Manoj Kumar	:	CEO
Shri R.N. Jha	:	Director
Shri S.K. Gomasta	:	Director
Shri Shankar Nagachari	:	Director
Shri Ajay Kumar	:	Director
Shri P.K. Prasad	:	CFO
Shri Abhishek Mundhra	:	Company Secretary

1.27 CSR initiative at CMPDIL

Corporate Social Responsibility (CSR) and Sustainability is a company's commitment to its stakeholders to conduct business in an economically, socially and environmentally sustainable manner that is transparent and ethical. The thrust of CSR and Sustainability is on capacity building, empowerment of communities, inclusive socio-economic growth, environment protection, promotion of green and energy efficient technologies, development of backward regions, and upliftment of the marginalized and under-privileged sections of the society. The company has formulated its own CSR policy as per notification issued by Ministry of Corporate Affairs, Govt. of India on 27.02.2014 as well as DPEs guidelines and section 135 of Companies Act, 2013 and the rules made there under.

CSR & Sustainability, brings not only risks for the Mining industry, but also creates a set of opportunities. CSR & Sustainability can help companies secure their social license to operate, contribute in a meaningful way to sustainable development. CMPDIL reiterates its commitment to social responsibility towards CSR & sustainability by integrating social and environmental concerns in day-to-day business operations. Two tier decision making committees have been constituted in CMPDIL to implement its policies and programs.

Keeping in view the special nature of its business, CMPDIL initiated its CSR & Sustainability activities during 2022-23 which may be found in Part-B of the report.

1.28 Annual Return

The Annual Return of the company is available on our Website Link

<https://www.cmpdi.co.in/annualrpt.php>

1.29 Conservation of Energy, Technology absorption, Foreign Exchange earnings and outgo.

The details regarding conservation of Energy, Technology absorption, Foreign Exchange earnings and outgo, is enclosed as Addendum to Directors' Report (**Addendum-I**).

1.30 Annual Evaluation of Board Committee and Directors Performance

As per section 134(3) (p) and Rule 8 of Companies (Accounts) Rules, 2014 in case of a listed company and every other public company having such paid-up share capital of Rs. 25 crores or more calculated at the end of the preceding financial year shall include, in the report by its Board of Directors, a statement indicating the manner in which formal annual evaluation has been made by the Board of its own performance and that of its committees and individual Directors.

The paid up share capital of CMPDIL is Rs. 142.80 crores and registered as Private Limited Company and not listed with any Stock Exchange and accordingly the company is not required to evaluate the performance of its Board, Committee

and individual Directors.

Further, annual evaluation by the Board of its own performance and that of committees and individual did not take place, in the absence of appointment of two more Independent Directors on the Board of the Company. However, annual evaluation would be done on the basis of the policy which is expected to be formulated by Coal India Limited for the Holding Company and its Subsidiary Companies.

PART: B

ANNUAL PERFORMANCE OVERVIEW

1.0 Geological Exploration & Drilling

- 1.0.1 CMPDIL continued to carry out coal exploration activities in 2022-23 also, in CIL, Non-CIL, Promotional, NMET and Captive Mining blocks. Exploration in CIL blocks was taken up to cater the needs of project planning/production support of subsidiaries of CIL whereas exploration in Non-CIL/ Captive Mining blocks was undertaken to facilitate allotment of coal blocks to prospective entrepreneurs. Promotional and NMET funded Exploration was taken up in new unexplored identified blocks.
- 1.0.2 CMPDIL has substantially improved the capacity of drilling during XI & XII Five Year plan period. As against the achievement of 2.09 lakh metre in 2007-08, CMPDIL has achieved 4.98 lakh metre in 2011-12 (Terminal year of XI Plan), 11.26 lakh meter in 2016-17(Terminal year of XII Plan), 12.93 lakh m in 2019-20, 12.48 lakh m in 2020-21 & 7.91 lakh meter in 2021-22 through departmental resources and outsourcing. During 2022-23, 6.85 lakh m has been drilled against the target of 7.00 lakh m. The reduction of target was mainly due to reduction in fund by MoC, GoI under Central Sector Scheme (CSS) for Non-CIL and Promotional blocks. Only in October'2022, communication received from

MoC that CSS scheme to be continued and enhanced budget proposed by MoC for Cabinet approval. Approval of annual plan for exploration through CSS Scheme for 2022-23 was received from MoC on 06.01.2023.

Out of 67 departmental drills of CMPDIL, 26 drills are hydrostatic and 41 drills are mechanical.

- 1.0.3 In 2022-23, a total of about 4.21 lakh m was drilled through departmental resources and a total of about 2.64 lakh m was drilled through outsourcing, out of which about 1.15 lakh m. was through tendering, about 1.46 lakh m. through MoU with MECL and about 0.03 lakh m. through State Govt.

1.1 Drilling Performance in 2022-23:

- 1.1.1 CMPDIL deployed its departmental resources for detailed exploration in CIL, Non-CIL, Promotional, and NMET funded blocks. Under MoU with CMPDIL, MECL deployed its resources in CIL, Non-CIL, Promotional, NMET funded, and Captive blocks whereas DGM Nagaland deployed resources in Promotional blocks and State Govt. of Odisha deployed resources in CIL blocks only. Besides, six contractual agencies were also deployed resources for detailed

drilling/exploration in CIL, Non-CIL, Promotional & NMET blocks. A total of 100 to 130 drills were deployed in 2022-23 out of which 67 were departmental drills.

- 1.1.2 In 2022-23, CMPDIL and its agencies took up exploratory drilling in 92 coal blocks/mines of 19 coalfields and 01 Bauxite Block situated in 08 States. Out of 92 blocks/mines, 24 were Non-CIL Blocks, 01 was Consultancy block, 48 CIL blocks/mines and 09 were Promotional blocks and 10 were NMET blocks. Exploration in the Bauxite Block was carried out through NMET funding. The aforesaid 19 coalfields were Raniganj (9 blocks), Rajmahal (3 blocks), Jharia (1 block), North Karanpura (8 blocks), South Karanpura (3 blocks), Wardha Valley (13 blocks), Chirimiri (1 block), East of Bistrampur (2 blocks), Korba (2 block), Sohagpur (16 blocks), Mand Raigarh (8 blocks), Pench Kanhan Tawa Valley (2 blocks), Sonhat (2 blocks), Tatapani-Ramkola- (1 block), Singrauli (5 blocks), Talcher (6 blocks), Ib Valley (7 blocks), Namchik Namphuk (1 block) and Melak-Tsurang (Jhanji-Disai) Valley (2 blocks). In coal exploration, departmental drills of CMPDIL took up exploratory drilling in 57 blocks/mines whereas its agencies drilled in 35 blocks/mines.

The overall performance of exploratory drilling in 2022-23 is given below:

(Figures in Lakh meter)

Agency	Target 2022-23	Performance of Exploratory Drilling in 2022-23			Achieved Prev. Year: 2021-22	Growth %
		Achieved	Achieved (%)	+/-		
A. Detailed Drilling Undertaken by CMPDIL :						
I. Departmental	4.200	4.210	100%	0.010	4.438	-5%
II. OUTSOURCING						
State Govts.	0.030	0.025	83%	-0.005	0.011	131%
MECL (MOU)	1.045	1.459	140%	0.414	1.396	5%
Tendering	1.725	1.154	67%	-0.571	2.065	-44%
Total Outsourcing	2.800	2.638	94%	-0.162	3.472	-24%
Grand Total A*	7.000	6.849	98%	-0.151	7.911	-13%

(Figures in Lakh meter)

Agency	Target 2022-23	Performance of Exploratory Drilling in 2022-23			Achieved Prev. Year: 2021-22	Growth %
		Achieved	Achieved (%)	+/-		
B. Promotional / NMET Drilling by CMPDIL, MECL, DGM (Nagaland) & DGM (Assam):						
I. COAL SECTOR						
MECL	0.050	0.180	359%	0.130	0.352	-49%
DGM, Nagaland	0.014	0.019	134%	0.005	0.015	24%
DGM, Assam	0.006	0.000	0%	-0.006	0.000	
CMPDIL	0.580	0.569	98%	-0.011	1.184	-52%
Total Coal:	0.650	0.768	118%	0.118	1.552	-51%
II. LIGNITE SECTOR						
MECL	0.000	0.000		0.000	0.140	-100%
Total Lignite	0.000	0.000		0.000	0.140	-100%
Grand Total B	0.650	0.768	118%	0.118	1.691	-55%

In 2022-23, CMPDIL achieved its departmental target and overall drilling targets by 98%. The performance of departmental drilling has a negative growth of 5% and recording average operational drills productivity of about 578 m/drill/month. The negative growth is mainly due to major local issue at RI-VII, where 9 rigs were idle & drilling is completely suspended from 26.07.2022. Only 2 rigs could be started in Gopalpur camp from 30.08.2022 and unexpected unseasonal heavy rainfall & flooding of drill sites causing damages to the engines of 2 rigs in RI-IV Area.

1.1.3 Drilling in Promotional Blocks

During 2022-23, a total of 0.77 lakh m. of Promotional (Regional) drilling was carried out in Coal by CMPDIL. Under Promotional (Regional) Exploration Programme, CMPDIL continued the technical supervision of Promotional Exploration work undertaken by MECL in Coal Sector in 4 coal blocks (Mand Raigarh = 3, Tatapani-Ramkola = 1). DGM (Nagaland) has also undertaken 2 block for regional drilling in Coal Sector. CMPDIL undertaken Promotional Exploration in 3 blocks, 1 in Rajmahal CF, 1 in Sohagpur CF and 1 in Talcher CF.

1.1.4 Drilling in Non-CIL/Captive Mining Blocks:

In 2022-23, a total of 1.35 lakh m of drilling was targeted in Non-CIL blocks (departmental = 0.750 lakh m, outsourcing = 0.600 lakh m). As against this, a total of 1.822 lakh m has been achieved, out of which the departmental drills of CMPDIL have carried out 0.932 lakh m of exploratory drilling whereas 0.890 lakh m has been achieved through outsourcing.

Apart from above exploration work, CMPDIL has provided preliminary geological information of existing Captive Mining Blocks to MoC for allotment purpose. After the process of allotment is over, original Geological Report is provided by CMPDIL to allottee on payment of total cost of exploration.

As per guidelines issued by MoC, CMPDIL is certifying the plan submitted by the allocates, the geological co-ordinates used in preparation of mining plan is in accordance with vesting order & geological co-ordinates covered by mining plan do not encroached any other adjacent block.

1.1.5 Drilling in Captive Mining Blocks:

During 2022-23, CMPDIL has carried out exploration in 1 captive mining block in Rajmahal - Birbhum coalfield through outsourced means.

1.2 Geological Reports:

1.2.1 In 2022-23, 29 Geological Reports are prepared on the basis of detailed exploration conducted in previous years. The prepared Geological Reports, have upgraded about 10 Billion Tonnes of additional coal resources to 'Proved/measured' category.

1.2.2 Under Promotional Exploration Programme, 5 Geological Reports on coal blocks has been submitted, established about 7.9 Billion Tonnes of coal resources in 'Indicated' & 'Inferred' categories, above specified thickness. 1 Geological Report on Lignite blocks has been submitted, established about 31 Million Tonnes of lignite resources in 'Indicated' & 'Inferred' categories.

1.3 Hydrogeology

1.3.1 CMPDIL has been accredited as Groundwater Professionals to prepare Groundwater Modelling Reports by CGWA in Feb'23.

1.3.2 Total 49 nos. of Comprehensive Hydrogeological Reports and 44 Nos. of Groundwater Modelling Reports for NoC from CGWA submitted to Ministry of Jal Shakti (CGWA) during F.Y. 2022-23. This is statutory Report with effect from Sept'2020 by Gazette Notification of CGWA for Mining Sector.

1.3.3 Hydrogeological Report of 35 nos. of mining projects submitted for preparation of EIA/EMP during F.Y. 2022-23.

1.3.4 Total 46 nos. of other Hydrogeological studies / chapter for Piezometers / Damage Assessment Report / Geological Reports / Project Reports / Slope Stability Reports / Water Supply Schemes were prepared during 2022-23.

1.3.5 Outside Consultancy job and new type of studies -

- Comprehensive Hydrogeological Report with groundwater modelling studies for NoC from CGWA of Piparwar Project UG Phase-I, Tandwa, Chatra, Jharkhand of JMS Mining Pvt. Ltd. has been prepared and submitted during F.Y. 2022-23.
- Hydrogeological study of Aquifer Performance Test conducted in 23 nos. of Piezometers in Jharia Coalfield of BCCL Command area to evaluate aquifer hydraulic properties.

1.3.6 CMPDIL is also carrying out groundwater level and quality-monitoring job with submission of Annual Report for compliance of MoEF&CC, New Delhi cleared projects of CIL (ECL, BCCL, CCL & NCL).

1.3.7 CMPDIL executed MoU's with empanelled experts as par CGWA, New Delhi for preparation of Groundwater Modelling Reports.

1.4 Geophysical Surveys:

1.4.1 Geophysical Logging: Boreholes drilled for exploration purposes were geophysically logged to get the in-situ information of different strata encountered in the boreholes. During the year 2022-23, a total of 3,30,618.90 meters of geophysical logging has been carried out for this purpose in CIL and Non-CIL projects with multi-parametric geophysical logging equipment. Out of this, 2,01,494.60 depth meters of geophysical logging was done by 6 departmental geophysical logging units and 1,29,124.30 meters of logging was carried out by contractual agencies.

1.4.2 Surface Geophysical Surveys: CMPDIL has also undertaken Electrical Resistivity & Magnetic Survey in CIL and Non-CIL blocks for delineation of In-crop of coal seams, delineation of dykes and ground water investigation. A total of about 54 line km of Resistivity Profiling, 7 Vertical Electrical Sounding (VES), 417 gravity stations in Gravity Survey and about 62 line km of Magnetic Survey have been carried out in FY 2022-23.

A total of 609 line km of Seismic Survey has been carried out through departmental and outsourcing. Out of 609 line km, around 162.90 line km of 2D Seismic Survey has been carried in South of Sonpuri, Korba Coalfield, Dip side of Ghughus - Nakoda and Bellora Block, Wardha Valley Coalfield, Bundeli Block, Korba Coalfield, Balkudra OCP, CCL area and Tamra Block, Raniganj Coalfield through departmental resources and 52.48 sq. km. (446.11 LKM) of 3D Seismic Survey through outsourcing.

1.4.3 Reports: Out of total of 16 Geophysical Reports submitted during 2022-23, 7 were scheduled reports and 9 were unscheduled reports. It includes one on resistivity imaging survey, four on Integrated Geophysical Survey, one report on Geophysical Logging, one report on

Magnetic Survey, one report on GPR Survey, seven Geophysical Chapter for DGR and one draft report for mining recommendation.

1.5 Geosystem:

Mine Summary Preparation for Auctioning of coal blocks:

Mine summary of approx. 100 coal blocks have been prepared for Auction of Coal Blocks, and clarification provided to the various queries of Bidders regarding block allocation/ auction.

Mine Summary Preparation for Auctioning of lignite coal blocks:

Block boundary re-work exercise was done due to considerable difference in explored area and lignite development area for identification of lignite coal blocks and subsequently 9 lignite coal blocks were identified for auction. Mine dossier for 9 lignite coal blocks were prepared and DSS/ESZ analysis was carried out for these blocks.

Boundary certification Non-CIL blocks:

10 no. of Non-CIL coal block boundaries were certified.

Updating OCBIS application in Web :

OCBIS application in Web was updated for 45 coalfields with latest block boundary, with new attribute like allocation status of Non-CIL blocks etc

2.0 COAL BED METHANE (CBM)

2.1 Collaborative commercial development of CBM in Jharia & Raniganj coalfields by the consortium of CIL & ONGC

The Govt. has allotted two CBM blocks in 2002 to the consortium of ONGC-CIL on nomination basis for commercial development of CBM.viz.

1. Raniganj North CBM Block in Raniganj coalfield

Petroleum Mining Lease for CBM in Raniganj

North CBM Block over an area of 311.79 Sq.km. (approx.) has been granted provisionally to ONGC-CIL Consortium vide Govt. of West Bengal letter dated 10th February, 2020.

Revised Field Development Plan is approved by Steering Committee of ONGC-CIL JV on 2nd March, 2023.

2. Jharia CBM Block in Jharia coalfield

Petroleum Mining Lease (PML) for Jharia CBM block has been granted by Govt. of Jharkhand in July' 2015 whereas Environmental Clearance has been granted in April, 2017.

The Block is in development phase and Eight (08) Development wells have been drilled upto March, 2023.

2.2 CBM and Shale gas related studies under Promotional Exploration during 2022-23

CMPDIL is carrying out studies related to "Assessment of Coalbed Methane Gas-in-Place Resource of Indian Coalfields/Lignite fields" through boreholes drilled during exploration. During the year 2022-23 target has been achieved by completing the studies in eight boreholes for CBM and five boreholes for Shale gas that included all relevant laboratory analyses. This study creates the data base for assessment of CBM & Shale gas potentiality and facilitate delineation of more blocks for CBM & Shale gas development.

2.3 Commercial development of Coalbed Methane (CBM) / Coal Mine Methane (CMM)

Govt. of India MoP&NG vide notification dated 8th May, 2018 has issued modified guidelines for exploration and exploitation of CBM by CIL and its subsidiaries from coal bearing areas for which they possess

mining lease and granted deemed lease for CBM extraction.

A Memorandum of Agreement (MoA) has been signed between BCCL & CMPDIL, ECL & CMPDIL and SECL & CMPDIL for operationalization of CBM Development through CBM Developer (CBMD), where CMPDIL is the Principal Implementing Agency (PIA).

Model Global Bid Document has been approved by CIL Board. Initially CBM Development have been initiated in following identified prospective CBM blocks:

1. Jharia CBM Block – I (BCCL Area):

A Block of about 26.55 Sq. Km clubbing Kapuria, Moonidih, Jarma, Singra Blocks has been delineated for commercial development in the mining leasehold area of BCCL having CBM resource of 25.2 BCM.

Jharia CBM Block-I has been awarded to M/s Prabha Energy Private Limited (PEPL) through Global Bidding. The revenue sharing contract was signed on 20th Sep, 2021. The project is under Exploration.

2 Raniganj CBM Block (ECL Area):

An area of 33 Sq. Km under mining leaseholds of Sripur, Satgram and Kunustoria Areas of ECL in Raniganj Coalfield has been delineated for commercial development of CBM.

Global bid document for Commercial extraction of CBM from Raniganj CBM Block was published thrice, however no bid was received.

It is proposed to develop Raniganj CBM Block with ONGC (operator) as a contiguous block of ONGC-CIL JV and the exercise for this is under process.



3. Sohagpur CBM Block-I (SECL Area):

An area of 51 Sq Km having resource of 0.53 BCM under command areas of SECL in Sohagpur coalfield has been delineated for CBM development.

Global bid document for Commercial extraction of CBM from Sohagpur CBM Block-I was published twice, however no bid was received. Efforts are being made for development of Sogahpur CBM Block-I.

2.4 Coal Gasification:

CMPDIL is Principal Implementing Agency (PIA) for the coal gasification projects at CIL and its subsidiaries.

Initially following 3 coal gasification projects has been undertaken:

1. SECL (Mahamaya SCG Project):

South Eastern Coalfields Limited (SECL) planned to establish Coal to Ammonia Plant at Mahamaya, Chhattisgarh with the capacity of 2200 MTPD for utilizing Coal as a basic raw material for the production of Ammonia.

Tender for selection of BOO processor has been floated on 29th January, 2022. Bid opened on 29th April 2022 and no Bid received.

MoU has been executed between CIL and IOCL for coal-to-DME gasification project at SECL on 12.10.2022

Work order has been issued to PDIL on 24.11.2022 for preparation of PFR for setting up of Coal –to-DME plant in SECL on LSTK mode of implementation.

2. ECL (Shilpanchal Pariyojana SCG Project):

Eastern Coalfields Limited (ECL) planned for setting up a grass root Coal to Methanol Plant at Bahadurpur - Raniganj, West Bardhaman (W.B.) with the capacity of 2000 MTPD for utilizing Coal as a basic raw material for the production of Methanol.

Tender for selection of BOO processor has been floated on 31st January, 2022. Bid opened on 5th May 2022 and no Bid has been received.

MoU with GAIL has been signed on 12th October, 2022 (CIL-GAIL JV: Coal-to-SNG at ECL).

Work order has been issued to PDIL on 24.11.2022 for preparation of PFR for setting up of Coal –to-SNG plant in ECL on LSTK mode of implementation.

3. WCL (Project Utkarsh SCG Project):

Western Coalfields Limited (WCL) planned to establish a Coal-to-Ammonium-nitrate (Melt) Plant at Juna Kunada Opencast Mine and Chargaon OC Mine (abandoned pits) of Majri Area, WCL located in Bhadravati Tahsil – Chandrapur district of Maharashtra with the capacity of 2000 MTPD for utilizing Coal as a basic raw material for the production of Ammonium Nitrate.

Tender for selection of BOO processor for WCL coal gasification project has been floated on 3rd Aug, 2022. Bids opened on 19th December 2022. No bid received.

Tender for selection of BOO processor for WCL SCG project has been floated on 06th March 2023. Bid opening date is 14th September, 2023.

A pre-bid meeting with prospective bidders was held on 27th March, 2023 at EIL, Delhi.

2.5 S&T and R&D Projects on Coalbed Methane & Coal Gasification

Sl. No.	Description	Start Date	Completion Date	Project cost	Implementing agencies	Status of Work
1.	S&T Project on “CBM Reserve Estimation for Indian coalfields”	25 th Feb, 2014	23 rd March, 2022	Rs.2069.91 Lakhs	IEST, Shibpur (Principal) NGRI, Hyderabad CMPDIL, Ranchi TCE, Kolkata	Project activities Completed. Final Report to be submitted by IEST
2.	S&T Project on “Capacity Building for Extraction of CMM Resource within CIL Command Areas”	21 st Mar, 2016	22 nd June 2022	Approved Project cost is Rs. 2392.79 Lakh in which equipment cost is Rs. 934.32 Lakh.	CMPDIL, Ranchi -Principal CSIRO, Australia	The project is completed.
3.	R&D project on "Bench Scale Study on reducing ash content (mineral matter) from Washery Grade Coking Coal and high ash Non-Coking Coal through oil agglomeration”	01 st Oct, 2020	31 st August, 2022	Rs. 53.62 lakh (CMPDIL-17.46lakh)	CSIR-NML, Jamshedpur CMPDIL, Ranchi	The project is completed.



Sl. No.	Description	Start Date	Completion Date	Project cost	Implementing agencies	Status of Work
4.	S&T project on "Modeling and design of indirect coal gasification reactor for high ash Indian coals".	1 st Dec. 2021	30 th November 2022	Rs.72.07 lakh (CMPDIL 17.70 lakh)	IIT Madras, CMPDIL , Ranchi	The project is completed.

3. PROJECT PLANNING & DESIGN

As prioritized by subsidiary companies of Coal India Limited, preparation of Project Reports (PR) for new/expansion/reorganisation mines was carried out during the year 2022-23 for building additional coal production capacity to the tune of 87 Mty. Revision of Project Reports/ Cost Estimates for projects was also taken up along with new PRs.

In addition to above, the following jobs were also undertaken:

- Preparation of Conceptual/Feasibility Reports, Tender/Bid Documents, Evaluation of Bids, etc. for new/existing coal washeries
- Environment Management Plan (EMP)
- Operational plans for OC mines
- Mining Plans and Mine Closure Plans of OC and UG mines
- Mine capacity assessment of opencast and underground mines of CIL.
- Various technical studies relating to operation of opencast & underground mines.
- Performance analysis of HEMM operating in OC mines of CIL.
- MDO Documents for underground mines, opencast mines, discontinued mines
- Carbon Footprint Analysis
- Sand replenishment study, Soil Moisture Conservation Study
- Project Management Consultancy Services for Civil works, ETP/STP, Solar Power Plants, etc.
- Detailed design and drawings, NIT, tender scrutiny, etc.

During the year 2022-23, expert consultancy services were also provided to subsidiary companies of Coal India Limited in the field of Environmental Management and Monitoring, Remote Sensing Studies, Land use/land cover and vegetation cover mapping, Energy Audit (Diesel & Electrical) and Benchmarking of Opencast mines, Illumination Survey, Physico-mechanical tests on Rock and Coal Samples, Subsidence Studies, Strata Control, Non-Destructive Testing (NDT), Controlled Blasting & Vibration Studies and Explosive Utilisation, Ventilation/Gas Survey of UG mines, Mining Electronics, Petrography Study on coal samples, Coal Core Processing & Analysis, Washability tests, OBR Survey, Man Riding

System, Carrying capacity of coal mining areas, Slope Stability Study, Effluent/ Sewerage Treatment Plants, Mine Closure Auditing, etc.

During the year 2022-23, a total of 354 reports have been prepared. The break-up of reports prepared has been given below:

REPORTS	Nos.
Geological Reports	29
Project Reports	39
Draft EMPs/Form-I/IV/VI	66
Other Studies	220
TOTAL	354

Detail of Reports prepared during the period 2022-23 are given below:

LIST OF COMPLETED REPORTS DURING 2022-23

Regional Institute/HQ	Name of the Reports
Geological Reports:	
RI-I	1. Dharma (Non-CIL)
	2. Binodpur Bhabaniganj (Non-CIL)
RI-IV	1. Kolar Pimpri Strike Extn.
RI-V	1. Kewai
	2. Dipside of Baroud Bijari Sec-II
	3. Dhanpura New
	4. Bhilai Bazar
RI-VI	1. Amelia (Consultancy)
	2. Bandha North (Non-CIL)
RI-VII	1. Konark
	2. Kosala East (Non-CIL)
Contractual	1. Somavaram East (Non-CIL)
	2. Dharmabandh
	3. Dhadu East South
	4. Lubji Pasla Sector II & III
	5. West Mahuda
	6. Chulia Bhulia East
	7. Ongaon Potia Sector III
	8. Sayal D
	9. Arjuni East (Non-CIL)
	10. Madhuband
	11. Ongaon Potia I & II
	12. Madhupur

Regional Institute/HQ	Name of the Reports
	13. Pichri
	14. Chainpa (Non-CIL)
	15. Sursa (Non-CIL)
	16. Lubji Pasla Sector I
	17. Reonti West (Non-CIL)
	18. Pathora East (Non-CIL)
Project Reports:	
RI-I	1. Parascole Jambad (UG & OC)
	2. Bhanora West MDO PR
	3. Pandaveswar Dalurband UG+OC Recast
RI-II	1. Pure Benedih UG
	2. Block-II UG Recast
RI-III	1. Angawali OC
	2. Kedla OC RPR
	3. Asnagarha OC
	4. Chalkari OC
	5. Karo OC EPR (Including DVC Bermo & Kargali)
RI-IV	1. Gauri Deep Expn. OC
	2. Urdhan Expn. OC
	3. Sasti Expn. OC
	4. Makardhokra-I Expn. OC
	5. Sharda UG CM
	6. Dhankasa Jamunia Amalgamated UG
	7. Bhanegaon OC Recast PR
	8. Vishnupuri UG to OC
	9. Ballarpur NW OC Recast
	10. Gauri Central OC Mine Recast
	11. Penganga Deep OC / Gadegaon OC
	12. Kolgaon Expansion OC
	13. Pauni II OC Expn.
	14. Waghoda UG RPR
	15. Gauri Pauni Expn. OC
RI-V	1. Amritdhara UG
	2. Amartipur OC
	3. Tatapani OC
	4. Malachua UG (MDO PR)
	5. Bagdewa UG Expn. PR
	6. Singhali UG
	7. Kusmunda Expn OC (50-75 Mty)
RI-VII	1. Bhubaneswari Expn. OC (MDO PR)
HQ	1. Ramnagore Indikatta UG Revised DPR, SAIL (Non-CIL)
	2. Hura C OC MDO
	3. Marki Barka UG
	4. Tikak West Expn. RPR OC

Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



Regional Institute/HQ	Name of the Reports	
	5.	Jeevandhara-Lapanga OC RPR
	6.	Mandu UG
Environment Management Plan:		
Form-I (including Form IV & VI)		
RI-I	1.	Cluster No. 9 (Group of 12 Mines of ECL) (Form-IV: Amendment in EC)
	2.	Cluster No. 2 (Group of 3 Mines of ECL) (Form-IV: Amendment in EC)
	3.	Cluster No. 12 (Group of 14 Mines of ECL) (Form-IV: Amendment in EC)
RI-II	1.	Cluster VIII (Form-IV: Amendment in EC)
RI-III	1.	Selected Dhori OCP
	2.	Rohini Expansion OCP
	3.	Jharkhand Laiyo OCP
	4.	Kedla OCP
RI-IV	1.	Makardhokra-III (Dinesh) OC
	2.	Singhori OC
	3.	Gondegaon OC
	4.	Dhuptala Expn. OC
RI-V	1.	Gayatri UG (Revalidation)
	2.	Enhancement of EC of Gayatri Underground (Expn.)
	3.	Gevra OC Project (Amendment in ToR) (Form-III)
	4.	Dipka OC Mine (Amendment in ToR) (Form-III)
RI-VI	1.	Jayant OCP (Form-I for expansion as per OM dated 11.04.2022)
	2.	Nigahi OCP (Form-I for expansion as per OM dated 11.04.2022)
	3.	Khadia OCP (Form-I for expansion as per OM dated 11.04.2022)
	4.	Amlohri OCP (Form-I for expansion as per OM dated 11.04.2022)
	5.	Krishnashila (Form-I for expansion as per OM dated 11.04.2022)
	6.	Jhingurda OCP (Form VI: Extension of EC validity)
RI-VII	1.	Bhubaneswari Expn. OCP (Form I for expansion from 40% to 50% as per new OM dtd.11-04-22 and 07-05-22)
	2.	Lakhanpur OCP Expn. (Form I for expansion from 40% to 50% as per new OM dtd .11-04-22 and 07-05-22)
	3.	Kulda OCP Expn. (Form I for expansion from 40% to 50% as per new OM dtd.11-04-22

Regional Institute/HQ	Name of the Reports	
		and 07-05-22)
	4.	Garjanbahal OCP Expn. (Form I for 20% to 40% expansion under 7(ii) clause)
	5.	Bharatpur OCP Expn. (Area Expansion)
	6.	Siarmal OCP (Amendment in EC)
	7.	Kulda OCP Expn. (Amendment in EC)
	8.	Garjanbahal OCP Expn. (Amendment in EC)
	9.	Kulda OCP Expn. Including Lalma Forest (Form-I : Increase in Area)
	10.	Nandira UG (Form IV : Amendment in EC)
	11.	Belpahar OCP (Form VI : Extension of validity of EC)
	12.	Bhubaneswari Expn. OCP
HQ	1.	Moonidih Coking Coal Washery (Form-III: Amendment in ToR)
	2.	Tirap OCP (Form-III: Amendment in ToR)
Draft EMP		
RI-III	1.	North Urimari OC (Addendum EIA/EMP for expansion from 20% to 40%)
	2.	Jarangdih OCP Expn.
	3.	Chandragupta OCP
RI-IV	1.	Pauni-II Expn. OC
	2.	Sasti Expn. OC
	3.	Tawa-III UG
	4.	Singhori OC
	5.	Makardhokra-III (Dinesh) OC)
RI-V	1.	Baroud OC Expansion
	2.	Jhiria West OCP
	3.	Gevra OC Expansion Project
	4.	Saraipali OC Expansion
	5.	Jampali OC Expansion
	6.	Manikpur OC Expansion
	7.	Gevra OC Mine
	8.	Dipka OC Mine
RI-VI	1.	Jayant OCP (Addendum EIA/EMP for expansion as per OM dated 11.04.2022)
	2.	Nigahi OCP (Addendum EIA/EMP for expansion as per OM dated 11.04.2022)
	3.	Khadia OCP (Addendum EIA/EMP for expansion as per OM dated 11.04.2022)
	4.	Amlohri OCP (Addendum EIA/EMP for expansion as per OM dated 11.04.2022)
	5.	Krishnashila OCP (Addendum EIA/EMP for expansion as per OM dated 11.04.2022)

Regional Institute/HQ	Name of the Reports
	6. Jhingurda OCP (Addendum EMP)
RI-VII	1. Baitami West Coal Mine
	2. Lakhanpur OCP Expn. (Expansion upto 50%)
	3. Bhubaneswari Expn. OCP (Expansion upto 50%)
	4. Kulda OCP (Expansion upto 50%)
	5. Garjanbahal OCP (Expansion upto 50%)
	6. Bharatpur OCP Expn.
HQ	1. Bhatadi Expansion OCP, WCL
	2. Jharia (BCCL) CBM Block

4. COAL & MINERAL PREPARATION

Coal & Mineral Preparation Division offers technical consultancy services for Greenfield Coal Washeries, Mineral beneficiation plant and Modification / Modernization of existing plants. These services encompass exhaustive laboratory studies, Preparation of Pre-Feasibility Report (PFR), Conceptual Report (CR), Bid Process Management, Contract Document Preparation and Assistance in award of works followed by scrutiny of drawings during project execution. It also renders wide range of R&D services and corporate support. CMP Lab has received Re-accreditation from National Accreditation Board(NABL) for Testing and Calibration Laboratories in July 2022. Such reorganized body is considered as the first essential step for facilitating mutual acceptance of test results.

The Division is equipped with ISO certified modern laboratory with latest and sophisticated equipment for carrying out laboratory scale studies.

The following major jobs have been completed by this Division during the year 2022-2023.

4.1 PRE-FEASIBILITY/CONCEPTUAL REPORTS

- New Sawang Washery (1.5 Mty), CCL

- Dhori Washery (3.0 Mty), CCL
- New Kathara Washery (3.0 Mty), CCL

4.2 TENDER DOCUMENT

✓ On BOO Concept

Bid Document (RFQ along with RFP) in e-tendering mode of following washeries:

- Dhori (3.0 Mty), CCL
- New Sawang (1.5 Mty), CCL
- New Kathara (3.0 Mty), CCL

✓ On BO Concept

Bid Document (RFQ along with RFP) in e-tendering mode for setting up of Sand/Aggregate Segregation plant of following mines:

- Govindpur UG project at Kathara Area, CCL.
- Manikpur OCP, Korba Area, SECL
- Amadand OCP, Jamuna & Kotma Area, SECL
- Amlai OCP, Sohagpur Area, SECL

✓ On ROM Concept

Bid Document for Renovation work of old Madhuban washery, BCCL

✓ On Turnkey Concept

Bid document for renovation work of old Moonidih washery, BCCL

4.3 EVALUATION OF TENDER DOCUMENT

- New Rajrappa (3.0 Mty), CCL
- Dhori (3.0 Mty), CCL
- New Sawang (1.5 Mty), CCL
- New Kathara (3.0 Mty), CCL

4.4 SCRUTINIZING OF CONSTRUCTION DRAWINGS

- Bhojudih washery (2.0 Mty), BCCL
- Patherdih-II (2.5 Mty), BCCL
- Ib Valley Lakhanpur Washery (10.0 Mty), MCL



4.5 R&D ACTIVITIES

R&D project namely “Design of cost effective process flowsheet for improved washing efficiency of Indian Coking and Non-coking coals” has been completed and the completion report was accepted by R&D Board of CIL on 28.07.2022.

4.6 CORPORATE SUPPORT

- A draft Report to sort out issues related to coking coal demand has been prepared by committee constituted by MoC under the joint chairmanship of CMD, CMPDIL and CMD, MECON and the report is under finalization stage.
- A Comprehensive report in respect of quality parameters of coking coal mines under command area of BCCL has been prepared and submitted to CIL and has been uploaded on BCCL website.
- A Draft policy framework for private parties setting up washeries independently for buying coal from Coal India Limited and selling the output to Steel sector has been prepared and submitted to CIL.

5. PROJECT APPRAISAL

- 5.1 Scrutiny and appraisal of 19 nos. of draft PRs/RPRs/EPRs prepared by Regional Institutes and HQ Departments of CMPDIL during the year 2022-23 and coordination for their presentation at CMPDIL-Hq before finalization of the Draft report.
- 5.2 Scrutiny and appraisal of 13 nos. of conceptual notes prepared by Regional Institutes during the year 2022-23, and coordination for their assessment by Director (T/P&D) along with OC/UMD Department and PAD for finalizing the main technical parameters before preparation of the draft PR/RPR/EPR.

5.3 Updating of status of implementation of ongoing projects costing more than Rs. 500 crores and with capacity more than 3 Mty, especially with respect to actions under CMPDIL’s responsibility, for the Secretary (Coal)’s Quarterly/Monthly Projects Review Meetings.

5.4 Monitoring of formulation and approval of PRs for projects identified under the 1 BT Program of CIL for 2025-26.

6.0 OPENCAST MINING

6.1 Major Outside Consultancy jobs completed are:

- Conceptual Plan, Mining Plan and Feasibility Report for Talaipalli coal block, M/s NTPC Ltd.
- Pit and Dump Slope Stability for Talaipalli Coal Block, M/s NTPC Ltd.
- Sand Grain Analysis for Sand Replenishment Study of 25 districts of UP, Government of UP.
- Sand Grain Analysis for Sand Replenishment Study of 4 rivers of Bihar, Government of Bihar.

6.2 Major CIL Jobs completed are:

- Final Operational Plan of Khadia OCP (16 Mtpa), NCL.
- Project Report for Jeevandhara OCP (2.50 Mtpa), CCL.
- Project Report for Block E OCP (15.00 Mtpa), BCCL.
- PR for Hura C (MDO Variant) (3.00 Mtpa) along with abridged PR, MCA & RFB documents.
- Revised Project Report for Tikak West Expansion OCP (0.60 Mtpa), NEC.
- Revised Cost Estimate for Tirap OCP (0.6 Mty), NEC.

- Scientific study / slope stability analysis for Jharkhand OC, CCL.
- Slope stability analysis/Scientific study for Tikak Extn. OC, NEC.
- Revenue sharing documents (MCA and RFB) for greenfield projects under MDO mode for Opencast and UG.
- Model MDO Document and NIT document for Highwall Mining.
- Assessment of Capacity of opencast mines of CIL – Projection as on 01.04.2023.
- Assessment of capacity and capacity utilization for Opencast mines of CIL during 2021-22.
- Performance analysis of HEMM during 2021-22 for all subsidiaries of CIL.
- Performance analysis of Dumpers & Excavators and Summary of CIL during 2021-22.
- Analysis of Specific consumption in opencast mines of CIL during 2021-22 for explosive, Diesel & Electric-power.
- Technical and Financial appraisal of Project Reports.
- Resolving the dispute between MDO and NTPC through a Technical Feasibility Study for Talaipalli Opencast Mine and subsequently formulating fresh documents related to Conceptual Plan, Mining Plan, Feasibility Report and Pit & Dump stability for Talaipalli Opencast Mine of NTPC for a value of Rupees 5.82 Crore.
- PR in MDO mode for Hura C with all contract documents & support to ECL in the tender process executed within very stiff timelines and work awarded to MDO & production started.
- Offer sent for DPR consulting assignment for Zambeze & Tete East Coal Blocks of M/s ICVL, Mozambique. Work has been awarded to CMPDIL through a GLOBAL TENDER for a value of ~ USD 1.7 Million.
- New type of job – Work related to Sand Grain Size analysis for Sand Replenishment Studies for Uttar Pradesh & Bihar has been successfully completed.

6.3 Other jobs includes:

- Evaluation of PRC (Peak Rated Capacity) for RIRI Lignite Block, MoC
- Mine Infrastructure asset clarification as and when required
- Successful completion of R&D Project code: CIL/R&D/01/64/2017 titled “Development of guidelines for increasing the height of OB dumps”, through which a Geo-technical Lab has been set up at CMPDIL

6.4 Achievement of Opencast Division in 2022-23

7. UNDERGROUND MINING

7.1 Outside consultancy jobs:



- Preparation of Detailed Project Report (Revised) for Ramnagore-Indikatta Underground Project for Ramnagore Colliery of SAIL.
- Preparation of DPR for underground working in Dongri-Buzurg Mine of MOIL Limited.
- Preparation of underground conceptual note for Talaipali Mine.
- Karanpura, Associated Karanpura UG Mine, CCL
- Highwall mining feasibility assessment of Dakra Bukbuka OCP Mine CCL
- Preparation of Mine profile for Govindpur UG Mine(running), CCL
- Preparation of Mine profile of Discontinued/ Abandoned mines for Combined Salanpur AGKC (Amalgamated Gazaritand Katras Choutidih colliery), Kharkhari UG Mine (BCCL), Chinakuri UG (ECL), Talcher UG Mine (MCL), Orient UG Mine 3&4.

7.2 CIL jobs:

- Preparation of Project Report (PR) for Marki Barka West & Borka saratola combined UG Mine of NCL
- Preparation of Project Report (PR) for Mandu UG Mine of CCL
- 3D Subsidence Prediction & Management for Patratu ABC UG Mine, CCL
- 3D Subsidence Prediction & Management for Parej East UG Mine, CCL
- 3D Subsidence Prediction & Management for Borda UG Mine, WCL
- Preparation of Standard Price List for Mining Equipment
- Mine capacity assessment & capacity utilisation for UG Mines of CIL
- Preparation of detail design for shaft, fan Drift and evasee for Sharda Mine, WCL;
- Preparation of detail design for shaft, fan Drift and evasee for Saoner Mine, WCL;
- Preparation of detail design for shaft, fan Drift and evasee for Dhankasa Mine, WCL;
- Preparation of Mine profile of Discontinued/ Abandoned mines for Central Saunda, Saunda D, Khas
- Model MDO Document for underground & Opencast, for Green Field Mines on revenue - sharing basis.
- Model Tender Document for Highwall mining
- Model MDO document [Request for Bids (RFB) and Model Contract Agreement (MCA)] discontinued UG mines on revenue-sharing basis.
- Assist CIL for Assessment on highwall mining feasibility of 21 mine sites.

7.3 OTHER JOBS FOR MOC:

- Identification of New Blocks (Coal & Lignite) for auction of commercial coal mining.
- Mine dossiers and mine summaries (including maps and cardinal points) for the 250 coal blocks up to the 6th / 16th tranche of commercial mining were prepared and sent to the Ministry of Coal.
- Preparation and submission of reply to the queries raised by the bidders with respect to auction of commercial coal mining.

7.4 JOBS IN PROGRESS

CIL jobs:

- Preparation of Project Report (PR) for Godher / Kusunda UG Mine of BCCL.
- Preparation of Project Report (PR) for Jharkhand UG Mine of CCL.

8 CIVIL ENGINEERING SERVICES

8.1 PROJECT MANAGEMENT CONSULTANCY JOB

1. Construction of Hotel building of IICM, Ranchi.
2. Construction of Balance work of MINREM, MCL, Bhubaneswar.
3. Face lifting of Colonies, construction of Residential quarters at CCL, Ranchi
4. Architectural and allied consultancy services for construction of residential quarters, Multilevel parking complex in Darbhanga house complex, face lifting of colonies and Gandhi Nagar Hospital, Residential and Service building at Tetariakhar OCP, Rajhara Area, CCL, GM Office at Amarpali-Chandragupta Area, GM Office, Indoor stadium at Hazaribagh Area & Indoor stadium, Outdoor stadium and ETP at Barka Sayal, Ramgarh Area, GM Office and new Township of Barka –Sayal Area at BTTI, Bhurkunda under GM Unit”, CCL.
5. Architectural and allied consultancy services to demolish and resettle of Community Buildings as per scope of work at Jarangdih OCP, Kathara Area and construct VIP guest house at Rajarappa, Ramgarh Area, CCL, Jharkhand.
6. Architectural and allied consultancy services to develop Smart Township for Konar OCP, B&K Area, CCL, Bokaro Distt, Jharkhand.
7. Architectural and allied consultancy services for “Demolition and re-construction of various community buildings at Jarangdih OCP, Kathara Area, CCL.
8. Architectural and allied consultancy services with SQC (Supervision and Quality Control) for face-lifting of colonies in Basundhara Area, Lakhanpur Area, Hingula Area, Lingaraj Area, Jagannath Area, Bharatpur Area, Talchar Area, I B Valley Area & MCL HQ, Sambalpur.
9. Planning, investigation, design, engineering, construction, fabrication, erection, supply, installation, testing, trial run and commissioning of effluent treatment plant of 25 KLD capacity for central hospital, Gandhinagar, CCL Ranchi on turnkey basis.
10. Planning, investigation, design, engineering, construction, fabrication, erection, supply, installation, testing, trial run and commissioning of STP of 80 KLD (including ETP of 25 KLD for pre-treatment) at Central Hospital Naisarai, Ramgarh CCL.
11. Architectural and allied consultancy services with SQC (Supervision and Quality Control) for construction of multi-storeyed residential type quarters with monolithic/conventional RCC construction at Dipka Area, Gevra Area, Kusmunda area, Gharghoda & Raigarh Area, SECL.
12. PMC for construction of one block B type quarters (G+7) total 32 nos at GNC, Ranchi, CCL.



13. PMC for Construction of two block C type quarter (G+7), totaling 64 nos of quarters at GNC, CCL, Ranchi.
14. PMC for Construction of parking complex at CCL, HQ, Darbhanga House, Ranchi.
15. PMC for Construction of indoor stadium at Pargarha R&R site of North Urimari (Birsa) of CCL.
16. PMC for Construction of outdoor stadium near DAV, Urimari, CCL.
17. PMC for Construction of GM office building at A&C area, CCL.

8.2 DESIGN/ DRAWING SCRUTINY OF FMC & OTHER PROJECTS:

1. Scrutiny of design/drawing for Bhojudih washery, BCCL.
2. Scrutiny of design/drawing for Lakhanpur washery, MCL.
3. Scrutiny of design/drawing for Patherdih washery, BCCL.
4. Drawing scrutiny of Dudhichua CHP phase-III (10 Mtpa) incremental against approved annual action plan of NCL.
5. Scrutiny of design/drawing for North Urimari CHP, CCL.
6. Scrutiny of design/drawing for Rajmahal CHP, ECL.
7. Scrutiny of design/drawing for Janjhra CHP, ECL.
8. Scrutiny of design/drawing for Block-B CHP, NCL.
9. Scrutiny of design/drawing for Kaniha CHP, MCL.
10. Scrutiny of design/drawing for Dipka Mechanized Siding, SECL.

11. Scrutiny of design/drawing for Kusmunda Central Inpit, SECL.
12. Scrutiny of design/drawing for Chaal CHP & Substation, SECL.
13. Scrutiny of design/drawing for Gevra 5&6 silo, SECL.
14. Scrutiny of design/drawing for Manikpur CHP & silo, SECL.
15. Scrutiny of design/drawing for HURA-C CHP, ECL.
16. Drawing scrutiny of 190T dumper repair workshop at Amlohri OCP, NCL.
17. Drawing scrutiny of Block B OCP workshop, NCL.
18. Drawing scrutiny of 190T dumper repair workshop at Jayant OCP, NCL.
19. Drawing scrutiny of CWS Jayant (upgradation), NCL.
20. Scrutiny of design/drawings of B, C & D type quarters to be constructed in various areas of SECL.

8.3 PROJECT PLANNING JOBS:

1. PR preparation/Cost Updation of civil part of
 - HURA C (3.0 MTY), ECL
 - RPR FOR JEEVANDHARA OCP (2.5MTY) CCL
 - TALLAIPALLI (25 MTY), NTPC
 - RCE TIKAK WEST EXPANSION (0.4 MTY)
 - CHUPERBITA-SIMLONG COMBINED (6.0 MTY), ECL
 - BLOCK E (15.0 MTY), BCCL
2. Technical vetting of PR/RPR for various reports forwarded to this department for technical vetting by PAD throughout the year.

8.4 CIVIL & ARCHITECTURAL DETAILED DESIGN & DRAWING JOBS:

1. Preparation of construction drawing for a) shopping center, stadium/ playground & Kalyan Mandap and b) Project Office, for Dudhichua project, NCL.
2. Preparation of design, structural drawing, detailed estimate etc. for construction of excavation workshop and other allied infrastructures in respect of Jarangdih OCP (1.5 Mty), Kathara Area, CCL.

8.5 NALLAH DIVERSION JOBS:

1. Kedla nallah diversion, CCL.
2. Pundi OCP nallah diversion, CCL
3. Study of diversion of Tumni nala at Nakrakonda-Kumardihi B colliery of Bankola Area, ECL.
4. Diversion plan of Bangaru Jhor stream and a detailed hydrology study with proper restoration action plan of the water bodies which are already damaged within the 10km buffer zone of the study area" in respect of Bharatpur OCP (20 Mty; Area Expansion-927.42 ha to 1556.94 ha) as per ToR granted by MoEF&CC on 28.06.2022.

8.6 OUTSIDE JOBS:

1. Preparation of closure plan, Mine Plan and Feasibility Report of Talaipalli coal mine of M/s NTPC Ltd.
2. Consultancy service contract for setting up CHPs at JVROC and KK1OC, SCCL on EPC model.
3. Consultancy service contract for setting up of Coal handling plant at RGOC3 6 CHP. RG2 Area on EPC mode.

8.7 PREPARATION OF TENDER DOCUMENT:

1. Preparation of scheme and turnkey tender document for Sewage Treatment Plant (STP) and Sewage Network for Basundhara Area Colony, MCL.
2. Preparation of NIT, estimate (Vol II & III) for coal handling plant (2.5 Mty) of Mohanpur OCP (Ph-II), Salanpur Area, ECL.
3. NIT for Construction of 2X2MVA, 11kV/3.3kV Substation at Bonjemehari OCP, Salanpur Area, ECL.
4. NIT for Construction of 2X1.6MVA, 11kV/3.3kV Substation at Tapin south OCP, Hazaribagh Area, CCL.
5. NIT/Tender Document for Secondary Sizers at Krishnashila CHP, NCL.
6. Construction of approach PQC road and boundary wall for Super Speciality Hospital at Kanke Road, CCL.
7. Scheme for installation of fixed water sprinkler system (Fog-Mist) type all along the haul road leading to Railway siding, CHP and OB dump Area at Nigahi OCP, NCL.
8. Construction of bridge over Mangerdha Nalla under Religara Project, Argada Area
9. Preparation of Tender Document (Commercial and Technical) for design, Engineering, construction and commissioning of workshop & Store as per PR of Block-B (expansion) project of NCL.
10. Preparation of tender document, estimate, e-tendering, drawing & design scrutiny etc for incremental CHP, 10 Mty of Jayant OCP, NCL.

11. Preparation of NIT for Design, Engineering, Construction and Commissioning of service building (excavation workshop) for Konar OCP (5 Mty), B&K Area, CCL.
12. Modification of ETP and STP and Preparation of NIT for Dudhichua Project, NCL.

8.8 PREPARATION OF SCHEME/REPORT:

1. Preparation of customised MDO document and project report (MDO variant) for Hura-C OC.
2. Preparation of DPR for the development of Mini smart cities/ colonies in NCL.
3. Preparation of DPR for the development of Mini Smart cities/ colonies in MCL.
4. Preparation of concept note or scheme preparation & detailed project report included architectural and allied services for New Smart NCL office & Smart Township at Waidhan Sidhi.
5. Preparation of scheme for effluent treatment plant at Nehru Shatabdi Chikitsalaya (NSC), Hospital, Jayant, NCL.
6. Preparation of scheme and turnkey tender document for Sewage Treatment Plant (STP) and Sewage Network for Basundhara Area Colony, MCL.
7. Preparation of pre-feasibility study for Dhori coking coal washery CCL on BOO concept.
8. Preparation of Pre-feasibility report for New Swang Coking coal washery CCL.
9. Preparation of closure plan, Mine Plan and Feasibility Report of Talaipalli coal mine of M/s NTPC Ltd.

10. Study report for modification of Bina deshaling plant and NIT for modification of Bina deshaling plant.
11. Preparation of scheme for installation of secondary sizer(-100mm) in the upcoming 4 Mty CHP at Krishnashila Project, NCL.

8.9 STRUCTURAL ADEQUACY STUDY:

- 1 Structural Stability study of Nigahi CHP, NCL.
- 2 Structural Stability study of Amlohri CHP, NCL.
- 3 Structural stability for the CHP structure at Jayant, NCL.

8.10 PHOTOGRAPHS (Site Views):



Figure 1: Community Buildings at Jarangdih OCP, Kathara Area



Figure 2: General Manager Office at Amarpali-Chandragupta Area, CCL, Chatra Distt., Jharkhand.

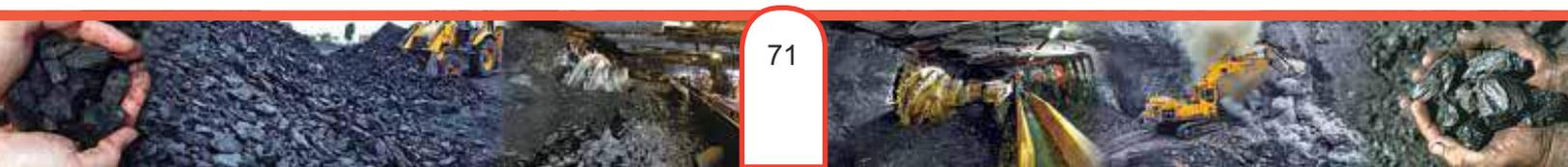




Figure 3: Outdoor stadium at Barka Sayal, Ramgarh Area, CCL, Jharkhand.

9.0 ELECTRICAL AND MECHANICAL ENGINEERING SERVICES

Jobs carried out in 2022-23

9.1 Mine Planning (Infrastructure)

➤ Preparation of Project report

✓ Head Quarter

- Kayada-Chaudhar Gariapani OC (4 MTY)
- Hura C (MDO Mode)
- Chandragupta OC (15 MTY)
- Jeevandhara OC (2.5 MTY)

✓ Regional Institute II

- PR for Amalgamated NTST
- PR for Amalgamated Block –II and Pure Benidih U/G mine

✓ Regional Institute III

- Angwali OCP
- Chalkari OCP
- Asnagada OCP
- Ashoka OCP
- Karo OCP
- Hesalong OCP

✓ Regional Institute V

- Kusmunda OC Expansion (50-75 Mty)
- Manikpur OC Expansion (3.5-6 Mty)
- Bagdewa UG
- Malachua UG MDO Mode
- Scheme preparation for CM deployment at Singhali UG (0.66 Mty)
- Scheme preparation for CM deployment at Khairaha UG (1.40 Mty)
- Scheme preparation for CM deployment at Damini UG (0.72 Mty)
- UCE of Amartipur OCP (5 Mty) , Dugapur OCP (4 Mty) , Tatapani OCP (3Mty) and Katkona UG (1.74 Mty)

✓ Regional Institute VII

- Final Project report for Kulda - Garjanbahal OCP (40 MTY)
- MDO PR for Balabhadra OCP (10 MTY)
- MDO PR for Bhubaneswari OCP (50 MTY)
- RPR for Ananta OCP (20 MTY)
- RPR for Hingula OCP (20 MTY)

➤ Updation of Project reports / cost estimate

✓ Head Quarter

- RPR of Block E, BCCL

9.2 Coal handling Plant: Preparation of e-tender documents:

✓ Head Quarter

- Draft NIT for installation of secondary sizer at Krishnashila CHP, NCL.

✓ Regional Institute II

- NIT of CHP for Kumardih B.
- Scheme of integrated railway despatch of coal from Shyamsundarpur U/G & Tilaboni U/G through RLS.

✓ Regional Institute III

- NIT for Turnkey execution of KDH-Purnadih CHP (7.5 MTY)
- NIT for Turnkey execution of KARO CHP (7.0 MTY) (with revised scope)

✓ Regional Institute IV

- Sasti OC Project, Ballarpur Area, WCL (10 MTY)
- Makardhokra-I OC Expansion Project, Umrer Area, WCL. (4.90 MTY.)
- Sharda UG Project, Kanhan Area, WCL

✓ Regional Institute V

- NIT for Amadand CHP (4 Mty)
- NIT for Crushing & Conveying System at Kusmunda OCP (10 Mty)

✓ Regional Institute VI

- NIT for installation of Secondary Sizer at existing Khadia OCP CHP.
- NIT for 4 MTY at Khadia OCP CHP(Phase-III).
- NIT for installation of Secondary Sizer at existing Amlohri OCP CHP(10MTPA).

✓ Regional Institute VII

- Final e-NIT of VK-7 Coal Handling Plant with Silo loading arrangement at Kothagudam area, SCCL

- Draft e-NIT of PK OCP Coal Handling Plant at Manuguru area, SCCL

9.3 Workshop & Store: Preparation of e-tender documents

✓ Head Quarter

- NIT for Bina-Kakri W/S and Store Expansion, NCL.
- NIT for Workshop and Store at Konar OCP, B&K Area, CCL.
- NIT for Workshop at Jarangdih OCP (1.5 Mty), Kathara Area, CCL.

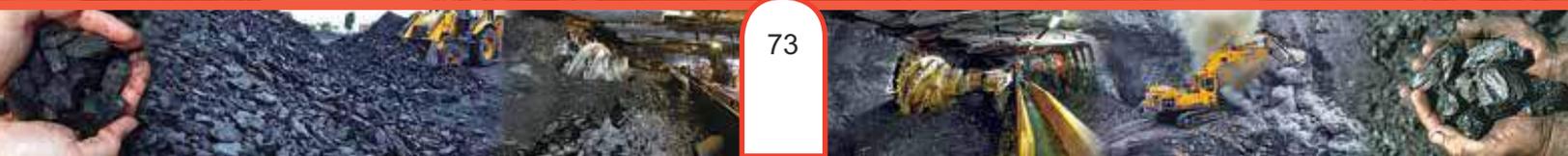
✓ Regional Institute VII

- e- Tender document for VK7 CHP at KGM area on EPC mode under SCCL (Outside consultancy)
- e-Tender document for 10 MTPA Conveyor Stream at PKOC CHP at MNG area on EPC mode under SCCL (Outside consultancy)
- Preparation of tender document and cost estimate for the work of CHP/SILO at Lakhanpur Area (Ph-II), 20 MTY
- Preparation of tender document and cost estimate for coal evacuation system and dispatch through 3 nos. of SILOs for Kulda-Garjanbahal OCP at Barpali bulb (40 MTY), Basundhara area

9.4 Scrutiny/Approval of Drawings of CHP's / Workshop/Substation

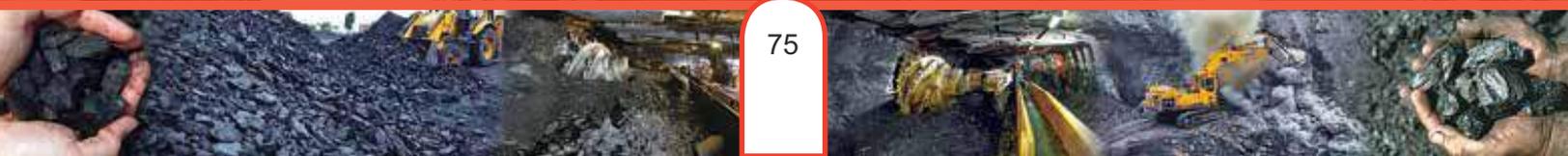
✓ Head Quarter

- Drawing Scrutiny of Incremental (15 MTY) CHP at Jayant OCP, NCL
- Drawing Scrutiny for Incremental (10 MTY) CHP at Dudhichua OCP, NCL



- Drawing Scrutiny of Block-B CHP (4.5 MTPA Incr.), NCL
- Drawing Scrutiny of Jhanjra CHP (5 MTPA Additional), ECL
- Drawing Scrutiny of Rajmahal CHP (10 MTPA), ECL
- Drawing Scrutiny of Kaniha CHP (10 MTPA), MCL
- Drawing Scrutiny of Hura-C CHP (3 MTPA), ECL
- Drawing Scrutiny of BOBR Track Hopper of 5.0 MTPA Patherdih, New Washery, BCCL.
- Drawing Scrutiny of Jayant OCP secondary sizer, NCL.
- Drawing Scrutiny of RG OC 3 CHP, SCCL
- Drawing Scrutiny of CWS Jayant OCP (Upgradation), NCL
- Drawing Scrutiny of 190T dumper repair workshop at Amlohri OCP, NCL.
- Drawing Scrutiny of 190T dumper repair workshop at Jayant OCP, NCL
- Drawing Scrutiny of Block B OCP workshop, NCL
- ✓ **Regional Institute I**
 - Drawing scrutiny of CHP for Kumardih B.
- ✓ **Regional Institute II**
 - Drawing Scrutiny of RLS for dispatch of washed products of 5.0 MTY NLW Patherdih washery.
- ✓ **Regional Institute III**
 - Drawing Scrutiny of Konar CHP.
 - Drawing Scrutiny of Magadh substation.
- Drawing Scrutiny of Amrapali substation.
- Drawing Scrutiny of Magadh Over Head Lines.
- Drawing Scrutiny of Amrapali Over Head Lines.
- Drawing Scrutiny of North Urimari Over Head Lines.
- Drawing Scrutiny of North Urimari substation.
- ✓ **Regional Institute IV**
 - Drawing scrutiny of CHP & Silo at Baroud OC Project of SECL.
 - Drawing scrutiny of CHP & Silo at Dinesh (Makardhokra-III) OC.
- Regional Institute V**
 - Drawing scrutiny of CHPs:
 - a) Gevra Phase-II (30 Mty)
 - b) Dipka Mechanised siding (25 Mty)
 - c) Chhal CHP (6 Mty)
 - d) Manikpur CHP (5 Mty)
 - e) Kusmunda Phase-III (40 Mty)
 - Drawing scrutiny of Gevra Workshop, SECL
 - Drawing scrutiny of Substation:
 - a) 3 nos. 33 kV Substations at Gevra OCP.
 - b) 33kV Substation at Jaganathpur OCP.
 - c) 33 kV Substation at Chhal OCP.
 - d) 3 nos. 33kV Substations at Kusmunda OCP.
- ✓ **Regional Institute VI**
 - Drawing Scrutiny of Nigahi CHP (10 Mtpa) of NCL.

- Drawing Scrutiny of Bina CHP (9.5 Mtpa) of NCL.
- Drawing Scrutiny of Mechanized loading system at Wharfwall of Dudhichua OCP.
- Drawing Scrutiny of CHP Wharf wall siding at Amlohri OCP.
- Drawing Scrutiny of Khadia OB Sub-station and Bina Switching Sub-station of NCL Projects.
- ✓ **Regional Institute VII**
 - Drawings Scrutiny for Construction of CHP Surge Bin Loading Arrangement at Sardega Siding Mahalaxmi Area (20 MTY)
 - Drawing scrutiny Construction of CHP with Surge Bin loading arrangement at Lajkura Siding, IB Valley Area (15 MTY)
 - Drawings Scrutiny for Construction of CHP with Pipe Conveyor with SILO Loading Arrangement at Bhubaneswari OCP PH-II (15 MTY)
 - Drawing scrutiny of Lakhanpur CHP(Ph-I)10 Mty
 - Drawing scrutiny for Construction of CHP with Surge Bin Loading Arrangement Ananta OCP (20Mty)
 - Drawing scrutiny for Coal Transportation from TRH to TH-2 of Bhubaneswari CHP (u/c) – 10 MTY at Bhubaneswari Area, MCL
 - Drawing scrutiny for the construction of CHP for coal transportation (10 MTY) from head end of pipe conveyor at TH-2 to SILO (under construction) at Hingula OCP of Hingula Area
- 9.5 Energy Audit and Benchmarking**
 - Annual Diesel Benchmarking for eighty seven (87) nos. Opencast mines + 1 of CCL(HQ) for the following subsidiaries by HQ, Ranchi
 - ✓ **Head Quarter**
 - 11 OCPs of BCCL
 - 29 OCPs+ CCL as a whole
 - 7 OCPs of ECL
 - 12 OCPs of MCL
 - 10 OCPs of NCL
 - 3 OCPs of SECL
 - 15 OCPs of WCL
 - ✓ **Regional Institute III**
 - Jarangdih OCP, CCL
 - Sirka OCP, CCL
 - Chandragupta OCP, CCL
 - ✓ **Regional Institute VI**
 - Khadia OCP, NCL
 - **Detail Diesel Benchmarking**
 - ✓ **Head Quarter**
 - Gevra and Kusmunda OCP, SECL
 - Regional Institute II**
 - Gevra and Kusmunda (HQ project)
 - **Electrical Energy Audit & Benchmarking for**
 - ✓ **Head Quarter**
 - Dudhichua OCP, NCL
 - Bina OCP, NCL
 - Rajmahal OCP, ECL
 - AB OCP, Block-II Area, BCCL
 - 05 Projects of CCL: Parej East OCP, Dhori Khas UG, Rajrappa OCP, Govindpur Ph-II OCP



✓ **Regional Institute II**

- ABOCP (Departmental) and Madhuband D/G substation

✓ **Regional Institute III**

- North Urimari OCP, CCL

✓ **Illumination Survey of**

✓ **Regional Institute II**

- AKWMC mine

✓ **Regional Institute VI**

- Jayant OCP, NCL
- Bina OCP, NCL
- Krishnshila OCP, NCL

9.6 Power Supply and Distribution & Control Systems

✓ **Head Quarter**

- Draft NIT for construction of 2x1.6 MVA, 11kV/3.3 kV at Tapin South, OCP of CCL
- Draft NIT for construction of 33/11 KV Sub-Station at Giddi Washery CCL
- Draft NIT for 2x4 MVA, 11/3.3 KV Sub-station at Bonjemihari Expansion OCP, Salanpur Area, ECL

✓ **Regional Institute I**

- Draft NIT for 2 X 7.5 MVA, 33/3.3 kV sub-station for Shyamsundarpur U/G.

✓ **Regional Institute II**

- Estimate & layout Drawing for Amalgamated NTST
- Estimate & Layout Drawing for Amalgamated Block –II and Pure Benidih U/G mine

✓ **Regional Institute III**

- NIT for turnkey execution of 2x5 MVA, 33/6.6 kV Konar Project Substation.
- NIT for turnkey execution of 2x3.15 MVA, 33/6.6 kV Tetarikhar Project Substation.
- NIT for turnkey execution of 4 Nos. of Overhead Lines at Amrapali OCP.

✓ **Regional Institute IV**

- 33kV/11kV, 6.3 MVA & 33kV/6.6kV, 7.5 MVA substation for Dinesh Makardhokra OCM (Revised).
- 33kV/6.6kV, 6.30 MVA Substation for Mungoli Nirguda OC Project.
- 33kV/6.6kV, 5.00 MVA substation for Amalgamated Inder Kamptee (Deep) OC Project (Draft NIT).

✓ **Regional Institute V**

- NIT for 33kV Substation Baroud OCP , Raigarh Area
- NIT for 33kV Substation Manikpur OCP , Korba Area
- NIT for 2X10 MVA, 33/6.6kV Substation Dipka OCP
- NIT for 33/6.6-3.3 kV Township Substation at Kusmunda Area

✓ **Regional Institute VI**

- NIT for 6.6 KV/440V, 630 KVA Khadia colony substation.

✓ **Regional Institute VII**

- e-NIT & cost estimate for erection of additional 33 kV bays at 132/33 kV substation, 33 kV overhead line from 132/33 kV Nandira substation to New Quarry and construction of new 2x2.5 MVA,

33/3.3 kV project substation at New Quarry, Jagannath OCP, MCL

- e-NIT and cost estimate for "Supply, installation & commissioning of 2 X 5 MVA, 33/6.6 kV substation for new 928 nos. (G+8) quarters under construction at Basundhara township
- Preparation of NIT and cost estimate for the job of 2 X10 MVA, 33/6.6 kV substation at Garjanbahal Area.
- Preparation of e-NIT & cost estimate for construction of 33 kV OHTL from Garjanbahal S/S to Siarmal OCP.
- Preparation of e-NIT and cost estimate for 3x12.5 MVA, 33/6.6 kV project substation and 33 kV Overhead line for north quarry of Lakhanpur OCP.

9.7 Solar Initiatives

✓ Head Quarter

- Tender floated and under scrutiny for 5.02 MW Solar Power Plant (ground + roof top) at different locations in CCL
- Tender document submitted for installation of 15.78 MW Solar Power Plant at different areas in CCL.
- Scheme under approval for installation of 27 MW Solar Power Plant at different areas in CCL.

✓ Regional Institute III

- Preparation of Project Report for 5 MWp (AC) Ground Mounted Solar Power Plant at Barka-Sayal Area. (Over Old OB Dump, 1st time in Coal India).
- Preparation of Project Report for 6.25 MWp (AC) Ground Mounted Solar Power Plant at Kathara Area.

- Preparation of Project Report for 13 MWp (AC) Ground Mounted Solar Power Plant at NK Area.
- Preparation of Project Report for 1.5 MWp (AC) Ground Mounted Solar Power Plant at Jharkhand-Laiyo OCP.

✓ Regional Institute V

- Installation & Commissioning of 100k Wp (30 kWp on Rooftop & 70 kWp on super elevated structure at Parking Shed) Phase-II Solar Power Plant at Regional Institute-V and achieving Net Zero Energy Office Building status.
- Report preparation for Grid Connected 800 kWp (AC) Solar Power Plant at Saraipali OCP , Korba Area , SECL

9.8 Other Reports/Tender Document/ Scheme

✓ Head Quarter

- Scheme for Commissioning of auto sprinkling system on central haul road at Nigahi OCP, NCL.
- Power Assessment of NCL.
- Preparation of closure plan, Mine Plan and Feasibility Report of Talaipalli coal mine of M/s NTPC Ltd.
- Feasibility report for installation of conveyors from AB OC2 mines to new 5Mtpa NLW, BCCL

✓ Regional Institute II

- Schemes for dealing with fire

✓ Regional Institute III

- Preparation of tender document for "Comprehensive Electrical Maintenance of Barkakana & Orla Camp Office for two years"
- Preparation of tender document for "Comprehensive Electrical Maintenance of residential Colony at Barkakana for two years"



✓ Regional Institute V

- Report preparation for 'Risk Assessment & Adequacy study for Lightning Protection system at Saraipali OCP , Korba Area , SECL'.

✓ Regional Institute VII

- Scheme, e-NIT and cost estimate for construction of alternative coal loading system (4 MTY) to eliminate pay loader loading in road sale at Lakhanpur Area
- Preparation of scheme, NIT and cost estimate for the work of coal evacuation system (12.5 MTY) with independent TRH and pipe conveyor to Sardega CHP (u/c) from Kulda Garjanbahal OCP

9.9 Inspection Services

- Pre-dispatch Inspection Services for plant & machinery purchased by all CIL subsidiaries at the Manufacturer's Works
- Revenue earned from the services by CMPDI for the year 2022-23 including HQ & all RIs is Rs. 4.42 crores approx.

9.10 NDT (Non-destructive Testing) Jobs

✓ Head Quarter

- NABL accreditation for NDT of steel wire rope for NDT cell, CMPDIL (HQ).
- NABL accreditation of NDT cell- RI-6 lab in association with HQ team.
- NDT of 10 Nos. CHPs at various projects of NCL.
- NDT of HEMMs & other P&M of NCL and CCL Projects.
- NDT of Hydraulic Excavators (6 Nos) at Ballarpur Area, WCL

- CMPDIL received Rs.6.00 Crores (approx.) for NDT jobs and preparation of reports for 48 projects of subsidiaries of CIL.

✓ Regional Institute VI

- NDT of Jwala Dragline, Dudhichua OCP

9.11 ISO Consultancy:

✓ Head Quarter

- Consultancy work for ISO/IEC 27001 :2013 – Information Security Management System work for NCL..
- Re-certification for CCL and MCL completed in latest version of standards.
- Initiation of implementation and Certification consultancy work for ISO 50001:2018 for the 05 units of CCL.
- IMS Post Certification support work for ECL, CCL, NCL, MCL and WCL

9.12 Other Major Jobs

✓ Head Quarter

- Coal Block Cost updation (E&M Part)
- Scrutiny of Project Reports prepared by RIs of CMPDIL
- Vetting of Draft NIT for modification of ETP(32MLD) & CETP (8MLD) for Jayant OCP, NCL
- Vehicle Tender for hiring of vehicle on as and when required basis
- Operation of departmental & hired vehicles and maintenance of departmental vehicles

✓ Regional Institute II

- Annual Coal Stock measurement for CIL
- Preparation of mine closure Plan

- Mining plan & Mine closure plans of :

- A) Mahespur
- B) Nichitpur
- C) Bansdeopur
- D) Tetulmari
- E) East Basuriya
- F) Cluster-III
- G) Cluster-IV
- H) Mudidih

- Hiring of Vehicle for RI-II
- Preparation of Tender Document & Tendering process for installation of UPS with Battery Bank

✓ **Regional Institute III**

- Preparation of Energy Management Plan, Energy Conservation and Provisioning of Green Energy at South Karanpura Coalfields (CIL Blocks).
- Preparation of Energy Management Plan, Energy Conservation and Provisioning of Green Energy at North Karanpura Coalfields (CIL Blocks).
- Preparation of Interactive Map for Coal Evacuation Master Plan for South Karanpura Coalfields (CIL Blocks).
- Preparation of Interactive Map for Coal Evacuation Master Plan for North Karanpura Coalfields.
- Preparation of Interactive Map for Coal Evacuation Master Plan for East Bokaro Coalfields.
- Preparation of Interactive Map for Coal Evacuation Master Plan for West Bokaro Coalfields.
- Preparation of Interactive Map for Coal Evacuation Master Plan for Ramgarh Coalfields.

✓ **Regional Institute V**

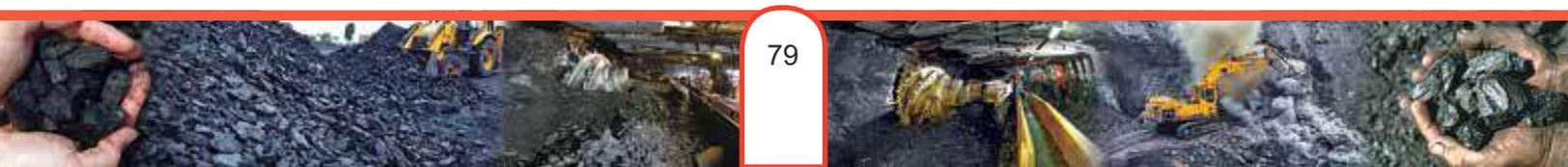
- Preparation of Korba Master Plan, SECL.
- Preparation of Coal Evacuation Master plan, SECL.

10.0 TOWN ENGINEERING SERVICES

The main responsibilities of the Town Engineering Department includes :

- i) Maintenance of the buildings, viz. office buildings and residential staff quarters. Maintenance of cleanliness, clean and green environment with necessary horticulture works and maintaining the same.
- ii) Maintenance of all electrical, electronic and mechanical equipment pertaining to the office and maintaining the inventory of the same.
- iii) Maintenance of all office furniture.
- iv) Water supply management by taking-up necessary steps.
- v) Power management by taking-up necessary steps to conserve and save electricity.
- vi) To ensure receipt, checking and submission of proposals for payment of electricity bills, telephone bills, water bills and other statutory payments etc.
- vii) Liaison works with local statutory bodies like Municipal Corporation and JBVNL

Following are the list of Completed and Running works under Capital works, running repair works, special repair works and CSR works in 2022-23 in TE & CM Division of CMPDIL (HQ) :

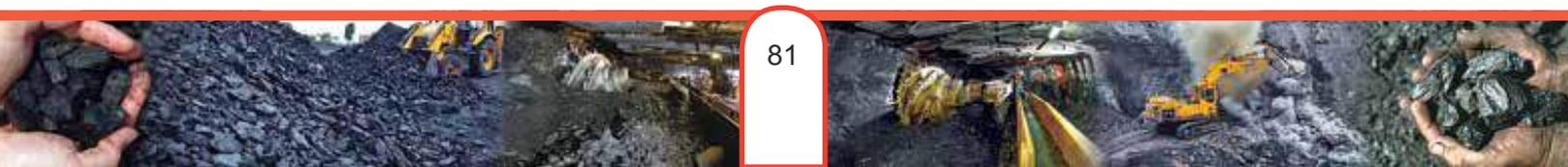


Sl. No.	Name of works	Work Value (Rs. In lakh)
Ongoing Works		
1.	Comprehensive Maintenance of CMPDIL Office and Service Building, Ranchi.	551.74
2.	Comprehensive Maintenance of Residential Quarters and Township at CMPDIL Colony, Ranchi.	564.09
3.	Providing potable RO water for CMPDIL (HQ), Ranchi office premises for a period of one year.	4.86
4.	Design, supply, construction, installation and commissioning of Water Treatment Plant (400 KLD) all complete at CMPDIL Colony Complex, Ranchi (Turnkey basis) and Comprehensive Operation & Maintenance (COAMC) for 5 years after one year warranty period.	103.98
5.	Providing and laying vitrified tiles flooring and aluminium windows in 'B' type and 'A' type building at CMPDIL (HQ) complex, Ranchi.	211.26
6.	Supply, installation and commissioning of Automatic continuous Drum Composter with Integrated Crusher Capacity 500 Kg Per Day at CMPDIL (HQ), Ranchi.	58.64
COMPLETED WORKS		
1	Supply, installation, testing and commissioning of 1 no. 11/0.433kV, 630 kVA Transformer and 1 no. 11 kV, 800 Amp VCB at CMPDIL (HQ) Substation, Ranchi.	14.73
2	Repairing of Boundary wall and other miscellaneous Civil works of CDS Barkakana.	15.91
3	Exterior wall painting and other miscellaneous works for seepage control from external walls for 1D, 2D, 1C and 2C Multistoried Residential Buildings of CMPDIL Colony, Ranchi	24.89
4	External Repair and Painting work of Service & Office Buildings at CMPDIL Campus, Ranchi.	44.87
5	Repairing of chajja after dismantling existing damaged portion, prevention work against roof seepage alongwith external painting at Birsa School, Ranchi.	29.42
6	Development of Butterfly Park along with Civil works in CMPDIL Campus, Ranchi.	6.92
7	Providing and installing open gym equipment at CMPDIL (HQ), Ranchi with minimum one year warranty after successful supply and installation of equipment	7.95
8	Providing and installing Play Ground equipment in Children Park at CMPDIL (HQ), Ranchi with minimum one year warranty after successful supply and installation of equipment.	8.91
9	Construction of pump house along with supply and installation of 2 nos. 25 HP Monoblock Pump Sets at CMPDIL (HQ) campus, Ranchi	8.97
10	Construction of the Radioactive Source Storage Room at CMPDIL (HQ), Ranchi.	3.28
11	Supply, installation, testing & commissioning of hydraulic mast rope type 350 kg load capacity passenger lift G+1 for Gondwana House at CMPDIL, Ranchi	9.55
12	Renovation of Gondwana Primary School at CMPDIL (HQ) Premises, Ranchi.	40.40

Sl. No.	Name of works	Work Value (Rs. In lakh)
13	Construction of two nos. of Toilet block at Government High School at Pithoriya and Urguttu, Ranchi (CSR works) .	35.34
14	Construction of 2 No. of Toilet Blocks at Misirgonda village, Near CMPDIL (HQ), Ranchi (CSR works) .	36.98
15	Supply and installation of solar street light at Misirgonda village behind CMPDIL (HQ) complex, Ranchi (CSR works) .	2.70

11.0 RESEARCH & DEVELOPMENT PROJECTS:

1. The Research & Development (R&D) activities in coal sector is administered through an Apex Body namely, Standing Scientific Research Committee (SSRC) with Secretary (Coal) as its Chairman. The other members of this Apex Body include Chairman of Coal India Limited (CIL), CMDs of Central Mine Planning & Design Institute Limited (CMPDIL), Singareni Collieries Company Limited (SCCL) and Nevveli Lignite Corporation India Limited (NLCIL), Director General (DG) of Directorate General of Mines Safety (DGMS), Director General of Council of Scientific & Industrial Research (CSIR), representative from Department of Science & Technology, Adviser Energy, NITI Aayog, Director, CMIFR, Dhanbad, Director, TERI & Chairman of the Technical Sub-committee of SSRC. The main functions of SSRC are to plan budget, identification of thrust areas for coal and lignite sectors, approve new research projects, oversee the outcomes of the completed projects and their replication in actual field condition.
2. The SSRC is assisted by a Technical sub-committee headed by HoD (Mining) IIIT-KGP/ IIT-ISM/IIT-BHU on annual rotation basis. The sub-committee deals with new research proposals related to advanced technology/methodology for improvement of production & productivity from underground mining and open cast Mining, improvement of safety, health and environment, waste to wealth, alternative use of coal and clean coal technologies, coal beneficiation and utilization, exploration, innovation and indigenization (Under Make-in-India Concept), etc.
3. CMPDIL acts as the Nodal Agency for co-ordination of research activities in the coal sector, which involves identification of Thrust Areas for research activities, identification of agencies which can take up the research work in the identified fields, scrutiny and processing the proposals for Government approval, preparation of budget estimates for research activities, disbursement of fund to implementing agencies based on the progress of the project and monitoring the progress of the projects, etc.
 - Total no. of S&T projects taken up (till 31.03.2023) - 408 nos.
 - Total no. of S&T projects completed (till 31.03.2023) - 334 nos



11.4. Physical and Financial Performance during 2022 -23

a. Physical performance

The status of Coal S&T projects during 2022 -23 is as follows (Annexure - A):

Projects on-going as on 01.04.2022	-	11
Projects approved by SSRC	-	09
Projects completed	-	04
Projects terminated/foreclosed	-	01
Projects on-going as on 01.04.2023	-	15

b. Financial performance:

Budget provisions and actual expenditure are shown below:

(₹ in Crore)

2021-22			2022-23		
RE	Fund received from MoC	Actual	RE	Fund received from MoC	Actual
11.50	8.35	7.54	8.35	6.94	7.88*

*Utilizing unspent fund of Rs.0.95 Cr of the previous year

Annexure - A

Name of S & T Projects funded by Ministry of Coal approved during 2022-23

Sl. No.	Name of the project	Implementing agencies	Approved cost (₹ in lakh)
1.	Utilization of low grade coal for production of high quality graphene and carbon nano-particles for energy storage. [Project code: CU-59]	Indian Institute of Technology (BHU), Varanasi, Indian Institute of Petroleum and Energy, Visakhapatnam, Central Coalfields Ltd., Ranchi	86.61
2.	Ultrasonic Washing for Desulphurization of Coal. [Project code: CP-51]	IIT, Guwahati, Avinashilingam Institute for Home Science and Higher Education for Women (AIHSHEW), Coimbatore, Kuvempu University, Jnanasahyadri, Shankaragatta, Tumkur University, Venkatesh Rao Colony, Tumakuru and NEC, Margherita	197.35
3.	Prevention of premature failures and enhancing life of bottom rollers used in bucket wheel excavators. [Project code: MT-175]	Centre for Applied Research & Development, NLCIL, Neyveli, NIT, Trichy and IISc, Bengaluru	188.27
4.	Study on Optimal Strategy for Phasing Down Coal Uses in India. [Project code: MT-176]	School of International Studies (SIS) Jawaharlal Nehru University (JNU) New Delhi	79.17

Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



Sl. No.	Name of the project	Implementing agencies	Approved cost (₹ in lakh)
5.	Electrostatic deposition and functionalization of multiwalled carbon nanotubes (MWCNTs) for sensitive & selective detection of Coal Mine Methane (CMM). [Project code: MT-177]	Amity Institute for Advanced Research & Studies (Materials & Devices), Noida	41.39
6.	Utilization of Coal Gangue to Develop Porous Adsorbents for CO2 Capture. [Project code: CU-60]	IIT, Kanpur and BCCL, Dhanbad	84.73
7.	Use of Micro-seismicity as a tool for underground mines hazard monitoring with the motive to enhance safety and production. [Project code: MT-178]	IIT, Kharagpur, CMPDIL, Ranchi & ECL, Sanctoria	199.78
8.	Biomethanization of coal. [Project Code- CE-36]	Institute of Science, BHU, Varanasi	69.94
9.	Reservoir characterization and numerical modelling of coal reservoir for enhanced coalbed methane recovery and prospects for carbon sequestration. [Project Code- CE-35]	IIT, Bombay and CMPDIL, Ranchi	193.77

Name of S&T Projects funded by Ministry of Coal (MoC) completed during 2022-23

Sl. No.	Name of the project	Implementing agencies	Approved cost (₹ in lakh)
1.	Capacity Building for extraction of CMM Resource within CIL Command Areas. [Project code: CE-32]	CMPDIL, Ranchi & CSIRO, Australia	2392.79
2.	Development of Coal Quality Exploration Technique based on Convolutional Neural Network and Hyperspectral Images [Project code: CP-50]	CIMFR, Nagpur and Shri Ramdeobaba College of Engineering & Management, Nagpur	103.59
3.	Modelling and design of indirect coal gasification reactor for high-ash Indian coals. [Project code: CE-34]	IIT, Madras and CMPDIL, Ranchi	72.07
4.	Design and Stability of Pillars/Arrays of Pillars for Different Mining Methods in Coal Mine Workings [Project code: MT-170]	CIMFR, Dhanbad, IIT-ISM, Dhanbad, CMPDIL, Ranchi, SECL, Bilaspur, BCCL, Dhanbad and SCCL, Kothagudem	562.29

11.2 R&D Projects funded by Coal India Limited (CIL)

1. For in-house R&D work of CIL, there is an R&D Board headed by Chairman, CIL. The R&D Board is assisted by an Apex Committee headed by Director (Technical), CIL. CMPDIL acts as the Nodal Agency for preparation of budget estimates for research activities, evaluation of

new project proposals, and disbursement of fund to implementing agencies based on the progress of the project, monitoring the progress of the projects till their completion and dissemination of the research findings, etc.

- To enhance R&D base in command areas of CIL, CIL Board in its meeting held on 24th March 2008 has delegated substantial powers to R&D Board of CIL and also to the Apex Committee of the R&D Board. The Apex Committee is empowered to sanction individual R&D project up to Rs. 5.0 Crore value with a limit of Rs. 25.0 Crore per annum considering all the projects together and CIL R&D Board is empowered to allocate Rs.500 Crore per annum and sanction individual R&D project up to Rs. 50.0 Crore.

- Total no. of R&D projects taken up (till 31.03.2023) - 114 nos.
- Total no. of R&D projects completed (till 31.03.2023) - 71 nos.

- Physical and financial performance during 2022-23:

a. Physical performance:

The status of CIL R&D Projects during 2022-23 are as follows:

Sl. No.	Parameters	Quantity
1	Projects on-going as on 01.04.2022	30
2	Projects sanctioned during 2022-23	04
3	Projects completed during 2022-23	05
4	Projects terminated/ closed during 2022-23	03
5	Projects on-going as on 01.04.2023	26

b. Financial performance:

Budget provisions vis-à-vis actual fund disbursement during the period are given below:

2021-22		2022-23	
RE	Actual	BE	Actual (as on 31.3.2022)
30.00	31.2	67.0	66.98 (Un-audited)

Annexure-B

R&D Projects funded by CIL approved during 2022-23

Sl. No.	Name of the project	Implementing agencies	Approved cost (₹ Rs. in lakh)
1.	Highwall Mining Feasibility Assessment and Layout Design. (Project Code: CIL/R&D/01/78/2022)	CMPDIL (HQ), Ranchi; CISRO, Australia and CIL (HQ), Kolkata	493.53
2.	Development of rational technology for production of ceramic materials from coal mining, washeries and processing wastes. (Project Code: CIL/R&D/04/17/2022)	BIT, Mesra and CCL, Ranchi	136.36

Sl. No.	Name of the project	Implementing agencies	Approved cost (₹ in lakh)
3.	Development of tandem approach for Paste Fill Technology and extraction methodology by continuous miner (CM) deployment for Shyampur B Colliery of Mugma Area, ECL. [Project code: CIL/R&D/04/18/2022]	ECL, Sanctoria and CIMFR, Dhanbad	4997.45
4.	Assessment of safe parting thickness and optimal goaf edge support requirement for extraction of pillars under soft cover. [Project Code: CIL/R&D/01/79/2022]	IIT (BHU), Varanasi, ECL, Sanctoria, CCL, Ranchi, and SECL, Bilaspur	182.29

R&D Projects funded by CIL completed during 2022-23

Sl. No.	Name of the project	Implementing agencies	Approved cost (₹ in lakh)
1.	Development of Guidelines for Increasing the Height of Overburden Dumps at Opencast Coal Mines in India [Project Code: CIL/R&D/01/64/2017]	CMPDIL (HQ), Ranchi and IIT, Delhi	428.08
2.	Bench Scale Study on reducing ash content (mineral matter) from Washery Grade Coking coal and high ash non-coking coal through oil agglomeration. [Project code: CIL/R&D/02/09/2020]	NML, Jamshedpur and CMPDIL (HQ), Ranchi	53.62
3.	Development and adoption of Real-Time Prognosis System (RTPS) for cost effective safe operation of mobile machinery: show-cased demonstration of dumper fleet. [Project code:CIL/R&D/01/71/2019]	IIT, Kharagpur, CIMFR, Dhanbad, Lulea Technological University (LTU), Sweden and ECL, Sanctoria	440.30
4.	To develop an Artificial Intelligence (AI) based machine learning solutions to enable prediction of occurrence of fire in Open cast mines extracting locked coal pillars with safety. [Project code:CIL/R&D/05/01/2021]	IIT-ISM, Dhanbad	25.99
5.	Development of a methodology for regional air quality monitoring in coalfield area using satellite data and ground observations. [Project code: CIL/R&D/04/08/2017]	CMPDIL (HQ), Ranchi and NRSC, ISRO, Hyderabad	709.82

12.0 BLASTING

CMPDIL has developed technical expertise and capabilities to render value added services in the field of controlled blasting and vibration study, testing of explosives and accessories, fragmentation assessment and improvement study for gainful utilization of HEMM. Blasting Division of CMPDIL is equipped with the state-of-art equipment viz. High Speed Camera, Data Trap-II for in-the-hole VOD measurement, fragmentation assessment and measurement by WipFrag software, Blast simulation by JK Simblast and High frequency Oscilloscope with high sampling rate for carrying out explosives and accessories testing.



Technical services rendered to different subsidiaries of Coal India Limited & outside agencies during 2022-23:

12.1 JOBS WITHIN CIL SUBSIDIARIES:

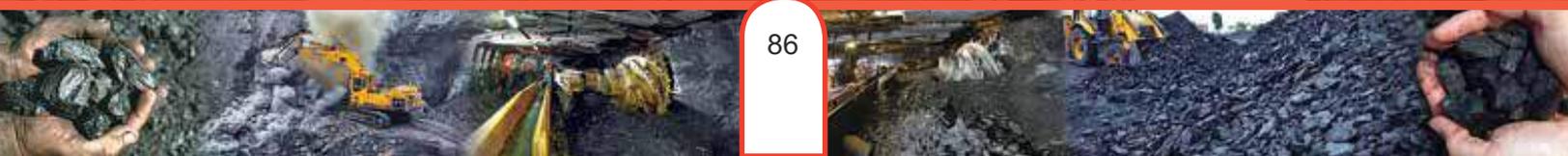
1. Random sampling and testing of Explosives (Bulk Explosives, Non Permitted Large Diameter (NPLD) & Permitted Small Diameter Explosives (PSD)) & Accessories (Nonel, Detonating Fuse, MS connector, Cord Relay, PETN Cast Booster, Emulsion Cast Booster, Electronic Detonator & CDD/ CED Detonator) throughout the year:
 - BCCL, CCL, MCL & NEC - tested by Blasting Division of CMPDIL (HQ) - 27 Reports
 - ECL - tested by Blasting Cell of CMPDIL (HQ) & RI-I, CMPDIL. - 8 Reports
 - WCL - tested by Blasting Cell of RI-IV, CMPDIL - 8 Reports
 - SECL - tested by Blasting Cell of RI-V, CMPDIL - 8 Reports
 - NCL - tested by Blasting Cell I of RI-VI, CMPDIL - 8 Reports
2. Determination of Bench Mark Powder Factor (BMPF)
 - Blasting Division of CMPDIL (HQ) :- 9 Reports
 - Blasting Cell of RI-I, CMPDIL :- NIL
 - Blasting Cell of RI-IV, CMPDIL :- 3 Reports
 - Blasting Cell of RI-V, CMPDIL :- 2 Reports
 - Blasting Cell of RI-VI, CMPDIL :- NIL
 - Blasting Cell of RI-VII, CMPDIL :- NIL
3. Scientific study for controlled blasting & vibration study:
 - Blasting Division of CMPDIL (HQ) : - 7 Reports
 - Blasting Cell of RI-I, CMPDIL :- 1 Report
 - Blasting Cell of RI-IV, CMPDIL :- NIL
 - Blasting Cell of RI-V, CMPDIL :- 3 Reports
 - Blasting Cell of RI-VI, CMPDIL :- 1 Report
 - Blasting Cell of RI-VII, CMPDIL :- 2 Reports
4. Regular Monitoring of vibration study
 - Blasting Division of CMPDIL (HQ) : - 4 Mines

12.2 OUT- SIDE CONSULTENCY JOBS DONE BY BLASTING DIVISION OF CMPDIL(HQ)

- Performance evaluation of explosives & accessories supplied by various manufacturers to the mines of NLC India Limited – 1 Report
- Performance evaluation of explosives & accessories supplied by various manufacturers to the mines of Talabira II & III mines of NLC India Limited – 3 Reports
- Performance evaluation of new Explosives & Accessories: - 6 Reports

12.3 SPECIAL JOBS DONE BY BLASTING DIVISION OF CMPDIL (HQ)

- Preparation of the Technical Specifications for NIT required for procurement of explosives & accessories for all the subsidiaries of CIL (2023-25)
- Testing and quality check for new explosive products were carried out in order to ascertain the product quality to be used in the mines of Coal India Limited.
- Working as Principal-implementing agency in an R&D Project titled “Effect of Blasting on Opencast Mine Dump and Development of Relationship between Blast Induced Vibration and Dump Design”.
- Technical support/vetting of reports for RI’s/CIL.



13.0 LABORATORY SERVICES

13.1 Chemical Laboratory

The Chemical lab division analysed 50274 no. of samples against a target of 50,000 no. of samples (100.55% of target) and processed 19493.87m coal cores for sample preparation against a target of 13,500m (144.40 % of target). Growth over last year in terms of sample analysis was 10.8% and in terms of coal core processing was 30%. The Coal Characterisation study was carried out on coal core samples from 36 nos. of exploration blocks covering 15 coalfields.

13.2 Coal Petrography Laboratory

A total of 965 samples were analysed for petrographic studies against a given target of 945 samples. The micro cleat studies were carried out on 30 nos. of samples against a given target of 40 samples. The petrography analysis was carried out for 24 blocks covering 15 coalfields. The Petrography Lab Division has shown a growth of 2.66% as compared to last year.

13.3 Coal Preparation Laboratory

CMP Laboratory is engaged in washability analysis for both coking and non-coking coal samples (including Proximate Analysis, GCV, HGI, Caking Properties etc.) of different coalfields as per job requirement. These analyses are carried out for bore core coal samples and ROM coal. The number of coal samples whose analysis has been carried out during 2022-2023 is given below:

- a) Bore Core Coal Samples - 11 nos. samples tested for washability analysis
- b) RoM Coal Samples – 12 nos. samples tested for washability analysis
- c) Coking coal quality parameters of coal samples of BCCL: 64 nos.

13.4 MV & MT Laboratory

MV & MT Lab Services of CMPDIL is a well-equipped laboratory with NABL Accreditation and ISO certified laboratory for conducting tests on core samples of rock and coal for determining their physico-mechanical properties. This laboratory has been conducting various

physico-mechanical property tests particularly of Coal-measure rocks as well as coal on a regular basis using standard testing procedures. Presently, a total core length of around 3600m for the year 2022-23 is tested in this laboratory of different Coal field. Cores of the rocks and coal seams comes from various drilling camps of CMPDIL which are engaged in the exploration of coal in the Indian coalfields.

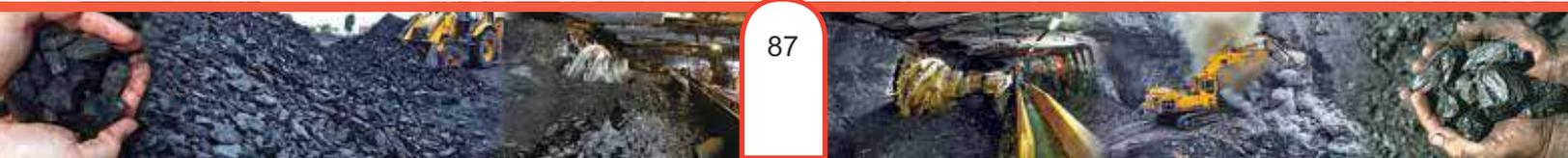
Results of various physico-mechanical property tests of core samples of a particular coal block are compiled and forwarded to the Exploration Division of CMPDIL for inclusion in the Geological Report of that coal block. Test results of physico-mechanical properties of coal and associated coal-measure rocks so included in the Geological Report of a coal block serve as an important input for mine planners while preparing Project Report for that coal block.

Scientific study and strata Control and Monitoring Plan (SCAMP) under regulation 123(1) of CMR 2017., Pillar Stability Study , determination of Rock Mass Rating(RMR) and Support Design of underground mines, determination of Cavability Index of underground mines are being done here on regular basis. Mine Ventilation survey, Degree of Gassiness of UG Mine, UG Fire dealing are also being done here.

A. Rock Mechanics:

Physico-Mechanical properties (PMP) Test of 3600m length core:

- (a) Physico - Mechanical properties test of B.H. No. CMPB-34, Patratu Block, South Karanpura Coalfield.(April'2022)
- (b) Physico - Mechanical properties test of B.H. No. CKWP-423, Ashoka Karkatta West Phase II Block, N.K.Coalfield. (July 2022)
- (c) Physico - Mechanical properties test of B.H.No. MAEBP-26(P-34)Pichahri Block, East Bokaro Coalfield.(July 2022)
- (d) Physico - Mechanical properties test of



- B.H.No.CSAM-046 Amelia Block, East Singrauli. (August 2022)
- (e) Physico - Mechanical properties test of B.H.No. MDSBM-01, Delwadih-Singhali-Bagdewa Mines of Korba Area,SECL. (August 2022)
 - (f) Physico - Mechanical properties test of B.H.No. MDSBM-02, Delwadih-Singhali-Bagdewa Mines of Korba Area,SECL. (Sept'2022)
 - (g) Physico-Mechanical properties test of B.H. No. CSAM050, Amelia Block, Singrauli.(Sept'2022)
 - (h) Physico-Mechanical properties test of B.H. No MMJ-21, Jhunkundar OCP Block, Raniganj Coalfield.
 - (i) Determination of Physico- Mechanical properties of Coal of Sec A1,Sec A, Sec B, Sec C, Sec C1 and IB Seam of Hirakhand Bundia Mine.
 - (j) Physico-Mechanical properties test of B.H. No. CKWP-435A, Ashoka Karkatta West Phase II Block, N.K.Coalfield.
 - (k) Physico-Mechanical properties test of B.H. No. CSSN-346(M-127), Singhpur North Block, Sohagpur Coalfield.
 - (l) Physico - Mechanical properties test of B.H. No. APMS-191(PN-84), Mirzagaon Block, Rajmahal Coalfield
 - (m) Physico - Mechanical properties test of B.H. No. CMLK-047 of Lakhimata Kapasara Mandaman Block, Raniganj Coalfield

B. Strata Control:

RMR/SCAMP study report completed of Six UG Mine

- (i) SCAMP study for Bagdewa Underground Mine, Korba Area, SECL.
- (ii) SCAMP study for Incline 7 & 8 of Dhori Khas colliery, Dhori Area, CCL.

- (iii) SCAMP study for Incline 4, 5 & 6 of Dhori Khas colliery, Dhori Area, CCL
- (iv) SCAMP study for Singhali Underground Mine, Korba Area, SECL.
- (v) SCAMP study for Delwadih Underground Mine, Korba Area, SECL
- (vi) SCAMP study for Churi Underground Mine, N. K. Area, CCL.

C. Mine Ventilation /Pillar Stability Study/UG Fire dealing & Mine gas survey

(1) Mine Ventilation of Two UG Mines

- (i) Ventilation survey of Gayatri U/G Mines,SECL.
- (ii) Ventilation survey of Saoner U/G Mines,WCL

(2) Pillar stability of Two UG Mines

- (i) Assessment of Factor of Safety (FoS) of developed pillar in Waghoda UG Project, WCL.
- (ii) Study of Pillar Stability for Nimcha UG Mine,ECL.

(3) Project Report (PR) of Two UG Mines.

- (i) PR for Makri/ Borka U/G Mines, NCL in MDO Mode
- (ii) PR for Parasia Belbad U/G Mines, ECL.

D. R&D and S&T Work

R&D

- (a) Air requirement of mass production Technology-Completed
- (b) Development of Virtual Mine Simulator Lab of UG Mine (IIT-ISM)/CMPDIL- Under Progress

S&T

- (a) Design & stability of pillar/arryas of pillar method for different mining method of Coal Mining working.

(CIMFR)/IIT(ISM)/CMPDIL-Under Progress

14.0 ENVIRONMENTAL SERVICES

14.1 EIA / EMPs

CIL PROJECTS

During the financial year 2022-23, Environment Department prepared a total of 36 nos. of Form-1 (including Form IV & VI) and 30 nos. of Draft EMPs/Addendum EMPs. A total of 66 nos. reports were prepared.

OUTSIDE PROJECTS

During the year 2022-23, Environment Department prepared:

- Soil Moisture Conservation (SMC) Report for Naini Coal Mine, M/s SCCL.
- Detailed Project Report (DPR) for Soil Moisture Conservation (SMC) measures in the adjoining area of Utkal-E Coal mine, M/s UCM IPL.
- Level-1 Aquifer and Soil Moisture Conservation (SMC) study for Radhikapur East Coal Mine, M/s Vedanta Enterprises Ltd.
- Sand Replenishment Study Report for 4 (Four) Rivers of Bihar, Govt. of Bihar.
- Sand Replenishment Study Report for 26 (Twenty-Six) Districts of Uttar Pradesh, Govt. of Uttar Pradesh (UP).
- Draft Study Report of Carbon Footprint and Roadmap for Carbon Neutrality, M/s SCCL.

14.2 Environmental Monitoring of Air, Water, and Noise

The Ministry of Environment, Forests & Climatic Change (MoEF&CC) accords the Environmental Clearance (EC) to the mining projects with the condition to conduct Routine Environmental Monitoring(REM) to ascertain the efficacy of the pollution control measures

taken at the project level during the operation of mines for compliance of EC conditions.

During the financial year 2022-23, environmental monitoring of 299 projects/clusters/establishments of CIL (ECL-16, BCCL-17, CCL-72, WCL-84, SECL-69, NCL-13, and MCL-28) was carried out through eight environmental laboratories located at Asansol, Dhanbad, Nagpur, Bilaspur, Bhubaneswar, Hasdeo, Jayant, and Ranchi.

Total Samples Collected & Analyzed during the financial year 2022-23: Air:122482 Nos, Noise: 24820 Nos +312 Nos(Day & Night + Day Only) & Water :19665 Nos.

The total revenue earned from Environmental Services during **F.Y. 2022-23 is Rs.275.43 Crores (provisional) excluding GST.**





Analysis of Water Samples: A View of Environment Lab & CAAQMS installed at CMPDIL, HQ

14.3 Accreditation to CMPDIL as EIA Consulting Organisation

CMPDIL is accredited as an EIA Accredited Consultant Organization (ACO) by the Quality Council of India (A ministry of Environment & Forest's designated Agency) for sectors Mining of Minerals including the Opencast/Underground mining sector, Thermal power and Coal Washeries sector, Offshore and Onshore Oil and Gas exploration, development and production for EIAs of Coal Bed Methane. CMPDIL is the largest Accredited Consultant Organization (ACO) in India for the preparation of EIA & EMP and has more than 80 no. of approved Experts to its credit.

14.4 Accreditation of CMPDIL Environmental Laboratory

Environmental Laboratory of CMPDIL (HQ) Ranchi has been re-accredited by National Accreditation Board for Testing & Calibration of Laboratories (NABL) as per the ISO/IEC 17025:2017 accreditation scheme with the addition of 21 new parameters to the already existing scope. The accreditation is valid up to 15th December 2024.

Environment Laboratory, CMPDIL (HQ) has also renewed its recognition by Central Pollution Control Board (CPCB), Delhi under Environment (Protection) Act, 1986 and the same is valid up to 15th December 2024.

Environment Laboratory, CMPDIL (HQ) has further obtained accreditation for Occupational Health and Safety Management System (OHSMS) as per IS/ISO 45001:2018 which is valid up to 10th July 2025.

Environment Laboratories of RI-I, Asansol, RI-II, Dhanbad, RI-IV, Nagpur, RI-V, Bilaspur & RI -VII, Bhubaneswar also have accreditation from NABL as per the ISO/IEC 17025:2017 accreditation scheme.

14.5 ETP/STP/AMD(IWSS) Scheme for Coal Projects

During the financial year, the following Sewage Treatment Plant (STP)/Effluent Treatment Plant (ETP) related works were undertaken:-

1. Scheme for 70 KLD ETP, Nehru Shatabdi Chikitsalaya (NSC) Hospital, Singrauli, NCL.
2. Scheme for Design of Sewer Network & 1.4 MLD STP, Basundhara Colony, MCL.
3. Scheme for 25 KLD ETP, Central Hospital, Naisari, Ramgarh, CCL.
4. Scheme for 25 KLD ETP, Central Hospital, Gandhi Nagar, Ranchi, CCL.
5. Further, tender documents (technical part) for 2(two) projects i.e., ETP of Bina OCP, NCL, and STP of Bina OCP, NCL were also prepared & submitted.

14.6 Appraisal of Project Reports for Coal Mining Projects

13 nos. project reports for coal mining projects have been appraised by the Environment division in the year.

14.7 Patent Approval for New Dust Control Technology

Environment Division, CMPDIL, Ranchi has invented “A system and method for controlling generation and movement of fugitive dust” and has obtained a patent for the same vide Patent Nos. 416065 in December 2022.

This system can be used in mines, thermal power plants, railway sidings, ports, and construction sites wherein coal or other minerals/fugitive materials are stored under the open sky. Apart from reducing dust generation from open sources, it will also provide noise attenuation.

14.8 Sustainable Development Cell for assisting MoC

CMPDIL under SDC jobs as directed by MoC has prepared the following reports and submitted them:

- Best Global Practices for Just Transition in coal sector under guidance of the Ministry of Coal (MoC) for G20 Presidency of India.
- Status of Environmental Sustainability in Coal Mines in 2020-21 under SDC for MoC has been prepared by CMPDIL.
- The draft report on Green Statistics of Coal Mines of India (FY 2021-22) submitted to MoC has been further substantiated with Remote Sensing Data.
- Draft Approach Note on Emission Intensity Reduction of CIL

14.9 Special Studies & S&T/R&D Studies

- S & T Studies for Development of Methodology for Regional Air Quality Monitoring in Coalfield Area using satellite data and ground observation was completed in collaboration with NRSC, Hyderabad.
- Concept note on Expeditious EC and FC of UG coal mines.

- Draft report on continuous monitoring of Ecology of Ananta OCP, MCL in association with IIT-ISM, Dhanbad
- Soil Moisture Conservation Study of Siarmal OCP, MCL
- Ecology & Biodiversity Impact Assessment of Kedla Nala, CCL
- Study on Carrying Capacity of Bhubaneswari OCP, MCL
- Specialised studies were carried out for Gevra OCP, SECL i.e., Carrying capacity study of the area, cumulative impact assessment within 15km of the area, and comparison of diesel consumption and CO2 emission study by using conventional shovel dumper method and surface miner cum shovel dumper (for OB) of the project.

14.10 Capacity Building Training

Environment Division, CMPDIL organized capacity-building training for 24 nos. executives of the department (including HQ and RIs) on Ecology & Biodiversity at the Indian Council of Forestry Research and Education (ICFRE), Dehradun.

14.11 Celebration of World Environment Day

World Environment Day was celebrated on 5th June 2022 at HQ & RIs. Several programs viz. Environment flag hoisting, environment pledge taking, a seminar on living sustainably in harmony with nature, and plantation programs were organized to create awareness amongst employees of CMPDIL.





15.0 INFORMATION & COMMUNICATION TECHNOLOGY.

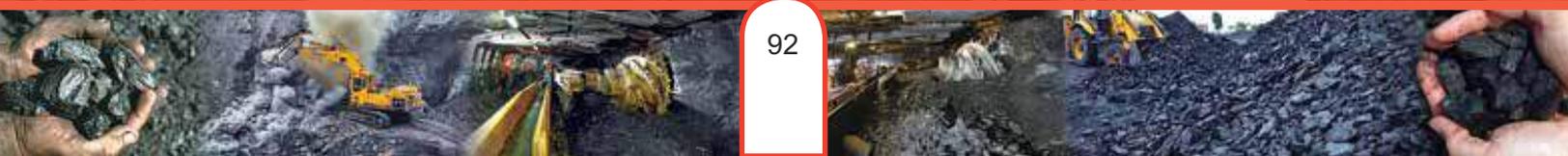
In addition to providing in-house support, ICT Division of CMPDIL has been extending consultancy services to CIL and its Subsidiaries. Some of the major jobs done during Financial Year 2022-23 have been outlined below.

15.1 Centralized software developed and maintained by ICT Division CMPDIL for entire CIL:

- a. Portal for Contract Labour Information Portal (CLIP).
- b. Executive Information System (EIS).
- c. On-Line Human Resource Management System (HRMS) including PRIDE/PAR.

15.2

- d. Vigilance Clearance System/Vigilance Monitoring System.
 - e. Annual Property Return system for all executives.
 - f. Bank Card Rate System – invites interest rate quotation from banks for placement of companies’ FDs.
 - g. Underground and Opencast Mine Capacity Assessment.
 - h. Online Coal Block Information System.
 - i. Mine Data Management System Portal (MDMS) for projects being monitored by CIL. This includes Environmental Clearance (EC), Forest Clearance (FC), Land Acquisition, Rehabilitation & Resettlement (R&R) etc.
 - j. Web portal integrated with MDMS which is used for monitoring of environmental status and EC-FC compliance related data (environmental status like ambient air, Noise, Drinking water, Surface water etc.)
 - k. Web module integrated with MDMS which is used to monitor the Status of 1 BT Plan at CIL level.
 - l. Sustainable Development Cell (SDC) under MDMS portal for creation of SDC schemes with respect to Air Quality Management, Mine Tourism, Renewable Energy, Restoration of ecology and biodiversity and implementation of best practices in Coal sector.
 - m. A clone for PARIVESH portal on EC/FC vetting with respect to the forms 1,2,3,4,5 and EIA/EMP for vetting by the peers (Regional Institutes of CMPDIL), CIL & respective subsidiaries of the projects.
 - n. A dashboard, Koyla Darpan, for MOC.
 - o. Colony maintenance portal (CCMS).
- ERP with its 6 modules namely HCM, FICO, PM, PS, MM and SD has been



implemented in CMPDIL. Primary MPLS connectivity with 100 Mbps bandwidth at HQ, DC & DR and 40 Mbps bandwidth at RIs has been established by RailTel Corporation. Secondary MPLS connectivity with 100 Mbps bandwidth at HQ and 40 Mbps bandwidth at RIs has been established by BSNL.

15.3 CMPDIL has upgraded the e-Office for entire Coal India Limited in new infrastructure.

15.4 ICT Division has been doing the maintenance of Local Area Network with fibre optic backbone. All RIs have been connected with CMPDIL (HQ) through MPLS VPN Circuit. CMPDIL is having 1 Gbps dedicated Internet Leased Line through BSNL and 1 Gbps Secondary ILL through RailTel.

15.5 A portal for uploading of invoices from CMPDIL HQ and RIs which facilitates CIL subsidiaries to download the invoices and quickly process them.

15.6 For real time monitoring of tasks / action points, a CMD CMPDIL dashboard has been developed.

15.7 Online Quarter Allotment portal for CMPDIL has been developed and is ready for implementation.

15.8 Innovation Cell

Some of the major jobs done during Financial Year 2022-23 by Innovation Cell have been outlined below.

1. Three projects have been identified in collaboration with CIL for Data Analytics applications. Various meetings with CIL, CCL and NCL have been held and a workshop has been arranged at IICM on the subject. Two use cases for CMPDI are under User Acceptance Testing (UAT).

2. Socio-economic report preparation under EIA-EMP report preparation- 09 projects of RI-4,5 and 6 have been submitted.

15.9 S&T and R&D projects:

1. Indigenous development of IOT enabled technology for monitoring, analysis and interpretation of longwall shield pressure for improving safety and productivity- The system has been developed, installed and seamlessly running at longwall panel of Jhanjra Project, ECL.

2. Development of indigenous optical fibre based instrument for measuring in-the-hole Velocity of detonation and analyse the performance of explosive in field condition- First phase of field testing has been successfully done at Jayant Project, NCL.

16.0 INFORMATION MANAGEMENT SYSTEM

The important activities / jobs carried out during the year 2022-23 are as follows:

16.1 Publication of quarterly magazines "Minetech" and "Gondwana Bharti"

Four issues each of the above said magazines have been published during the year 2022-23.

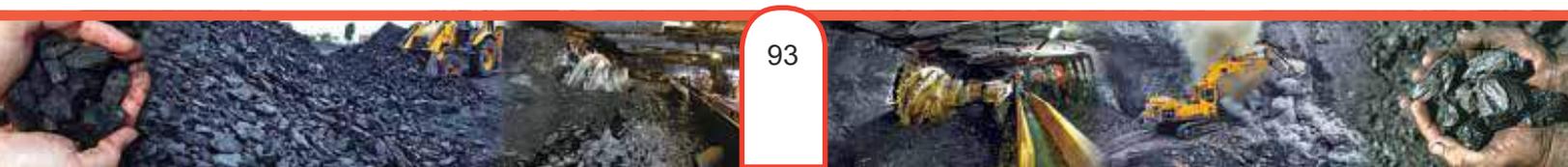
16.2 Dispatch of magazines:

Apart from in-house distribution, approximately 10000 copies of both the magazines were dispatched during the year 2022-23 to MoC, CIL and its different subsidiaries (HQ, Area and colliery unit), different institutes and other known organizations.

16.3 Publication of Book/e-Newsletter

Publication of following books have been done during 2022-23:

1. E-Book of Compendium of CVC/CIL/MOC/ DoPT/CMPDI Circulars & Guidelines published on the occasion of vigilance Awareness Week 2022.
2. Preparation of e-News-letter of CMPDIL under the task assigned by Ministry of Coal under Media Plan of CMPDIL.





16.4 Sale of Book/Minetech

Sale of technical books & our in-house journal 'Minetech' in different subsidiaries of CIL and outside parties carried out as and when required by them.

16.5 Social Media Activities

GM (IMS) has also been nominated as Nodal Officer of social media of CMPDIL. There is official Facebook page, Twitter handle of CMPDIL and regular uploading of important activities of CMPDIL, CIL & MoC are done. Apart from in-house activities, important information/achievement of Govt. of India, Ministry of Coal are also being shared. Social media activities are also being monitored from the office of Hon'ble Minister of Coal & Mine, Govt. of India.

16.6 Special Achievements

1. Two special issues of our in-house technical journal Minetech i.e. one on R&D published and the second on Special issue on G20 is in the process of publication. Also one special issue of our in-house magazine Gondwana Bharti published on CSR works carried out by CMPDIL during 2021-22.
2. Re-Printing of Leaflets on glimpses of SOME COMPLETED RESEARCH & DEVELOPMENT PROJECTS IN COAL & LIGNITE SECTOR done.

17 VIGILANCE

17.1 Vigilance Awareness Week

Vigilance Awareness Week (VAW) - 2022 was observed in Central Mine Planning and Design Institute Limited, Ranchi (a subsidiary of Coal India Limited) at its headquarter in Ranchi and all its seven Regional Institutes from 31st October to 6th November 2022.

At CMPDIL (HQ) in Ranchi, the Pledge taking ceremony was organized on 31.10.2022 at 11.00 AM. Sri Sumeet

Kumar Sinha, CVO, CMPDIL welcomed the officials present.

Shri R N Jha, Director (RD&T), CMPDIL administered the Pledge to all officials. Pledge was also administered at all Regional Institutes of CMPDIL by the respective Regional Directors.

Various activities were organized on the occasion of Vigilance Awareness Week, 2022 at HQ level and RIs. At HQ level, various activities as enumerated below were undertaken during Vigilance Awareness Week-2022:

Out-reach Programs

1. Debate Competition for school and college students (Class IX-XII).
2. Poster Making Competition for school and college students (Class IX and XII).
3. Nukkad Natak at Ranchi University & Ranchi railway Station.
4. Walkathon for Students of Different Schools (About 100 students), Class IX-XII.
5. Gram Sabha (Organizing Vigilance Awareness with villager's).
6. Awareness through FM Radio

In-house Programs at HQ & RI-III

1. Speech Competition for Executives.
2. Speech Competition for Non-Executives.
3. Quiz Competition for Executives.
4. Quiz Competition for Non-Executives.
5. Workshop/Seminar on Vigilance Awareness.
6. Essay Competition for Employees Wards (Class VII to XII).
7. Rangoli Competition for Wives of Employees and Women Employees.

Launch of e-book on important Circulars / SOPs / Office Orders, etc. issued by CVC, DoPT, MoC, CIL and CMPDIL



mainly during November, 2021 to October, 2022 and Prize Distribution to winners of various in-house and out-reach programmes.

As per directives of CVC, Preventive cum Housekeeping activities over three month campaign (16.08.2022 to 15.11.2022), were organised in CMPDIL as a precursor to VAW-2022. CMPDIL management had taken up for action the six focus areas as identified by the CVC. These six areas were:

1. Updation of detail of land / properties for which requisite ownership document / lease agreement with company.
2. Disposal of unused assets to various units / offices within the organization.
3. Adoption of record retention / preservation policy in CMPDIL.
4. Regular Maintenance and updation of website. Initiatives on creation of user-friendly online platforms.
5. Updation of guidelines / circulars / manuals carried out during the campaign period.
6. Disposal of Complaints received from CVC office/ other than CVC on priority basis.

Social media was used in a big way to spread awareness about Vigilance Awareness Week 2022 and its theme “भ्रष्टाचार मुक्त भारत – विकसित भारत” (Corruption Free India for Developed Nation).

Various similar programmes were also organized on the occasion of the VAW, 2022 in the seven Regional Institutes of CMPDIL also.

17.2 Preventive Vigilance Activities

1. Vigilance Department of CMPDIL has been oriented to take preventive measures in the

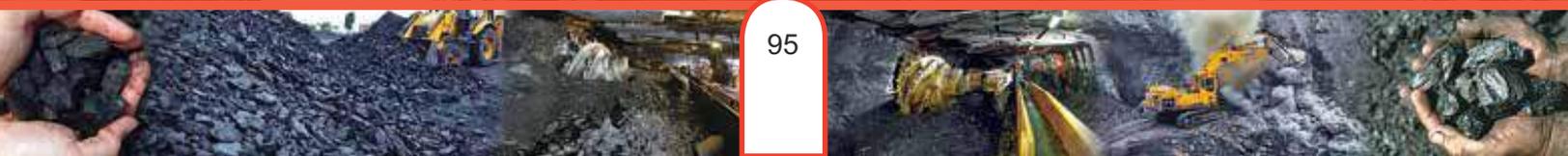
area of contractual jobs/material procurement to prevent procedural lapses as well as financial loss to the company. Preventive measures are suggested by the Vigilance Department based on Surprise Check/ Investigation conducted by it to keep an eye on corruption.

2. Surprise Check at various Regional Institutes of CMPDIL were conducted on various aspects like payment to contractors, verification of cash vis-à-vis Book balance, verification of medical claims, scrutiny of tender files etc.
3. Identification of sensitive departments and transfer/rotation of personnel occupying sensitive post for long are suggested by Vigilance Department which have subsequently been implemented.
4. Annual Property Return scrutiny & Audit Para scrutiny.

17.3 System Improvement Measures

1. Digital MB shall be developed for capturing the measurement on daily/periodical basis with adequate checks to prevent manipulations in MB as per advice of CVC, New Delhi.
2. Online quarter allotment system has been proposed for Quarter allotment to the employees of CMPDIL in a transparent manner.
3. Online system for lodging and monitoring of complaints in the matter of maintenance of Company's Quarter to be developed in association with Town Engineering and ICT department.
4. As directed by CVC & as per Policy of CIL, review of rotation of officials working on sensitive posts.

17.4 Pictorial Depiction of Vigilance Activities During VAW, 2022:





Welcome Address by CVO, CMPDIL during VAW, 2022



Quiz Competition Executives at CMPDIL during VAW, 2022



Oath Administration by Shri R.N. Jha, Director(RD&T) CMPDIL during VAW, 2022

Walkathon for students during VAW 2022



Workshop on CDA Rules, 2022 & CSO of CMPDIL

Closing Ceremony of VAW, 2022



18.0 GEOMATICS

Geomatics Division provides services in the field of Remote Sensing and Surveying. The major work includes Land Reclamation Monitoring, OB measurement, Vegetation Cover Mapping, Land Use /Cover Mapping, Settlement Mapping, Coal Mine Fire Mapping, DGPS survey, Topographical Survey, Underground Correlation Survey, Drone based Surveys for various applications etc.

18.1 Remote Sensing Cell

1. Land Reclamation Monitoring

CMPDIL has been carrying Land Reclamation Monitoring of CIL mines on a regular basis based on high resolution satellite data. In the year 2022-23, Land Reclamation Monitoring of total 110 projects comprising of 76 Opencast Projects producing more than 5 mcm (Coal+OB) category and 34 mines / Clusters producing less than 5 mcm (Coal+OB) category under different subsidiaries of CIL has been completed.

2. Vegetation Cover mapping

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 the 2022-23, Vegetation cover mapping of six coalfields viz Wardha and Kamptee Coalfields (WCL), Talcher Coalfield (MCL), Bishrampur Coalfield (SECL), Jharia Coalfield (BCCL) & Makum Coalfield (NEC) have been completed.

3. Land Use / Cover Mapping of Core & Buffer Zones for EMPs

Land Use / Cover Mapping of Core & Buffer Zone of 32 projects under different subsidiaries of CIL based on satellite data has been completed during 2022-23.

4. Land Use Cover Mapping of UG Projects

Land Use Cover Map for the leasehold area of 13 UG projects of SECL completed during 2022-23 for MoEF & CC compliance.

5. DSS Analysis

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.

6. PM Gati Shakti Project (National Master Plan)

CMPDIL is coordinating and facilitating development of PM Gati Shakti and Coal Block Information Portal with Bhaskaracharya National Institute of Space Application & Geo Informatics, Gandhinagar (BISAG-N) related to Ministry of Coal.

7. Coal Mine Surveillance and Management System

CMPDIL has the responsibility of ensuring smooth functioning and keeping the site of Coal Mine Surveillance and Management System updated in association with Bhaskaracharya National Institute of Space Application & Geo Informatics, Gandhinagar (BISAG-N) as well as generating and circulating the monthly report to the concerned.

8. Identification of suitable CA Land in Jharkhand

CMPDIL was entrusted to identify suitable forest land for compensatory afforestation in the State of Jharkhand. Based on the guidelines from Jharkhand Forest Dept., CMPDIL has identified suitable land for CA purposes developing a GIS based methodology in all the 24 district of Jharkhand.

18.2 Survey

1. Drones Applications

CMPDIL 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.

Some major projects executed during FY 2022-23 are as follows:

- Terrain Mapping of Unstable Sites in Jharia Coalfield, BCCL for Jharia Master Plan,
- Drone based acquisition real time video footage for four projects of CCL for MoEF Compliance
- Terrain mapping of the newly constituted Blocks - C, D & E Jharia Coalfields, BCCL
- Drone based Thermal Survey in Kuju OCP, CCL
- Drone based Survey for Soil Moisture Conservation Studies for NALCO, VEDANTA & SCCL
- Drone based Survey for WBPDCCL in DPDH Block
- Sand Replenishment Studies using Drone acquired data in 25 district for pre-monsoon and post monsoon seasons.
- Mapping of Dipka Colony, SECL; Rajrappa OCP, CCL; Ena Colliery, BCCL

2. Gyroscopic Survey

Geomatics Division has successfully conducted Gyroscopic Survey for Tunnel Alignment using GYROMAT 3000 in Sivoke -Rangpo Rail Link Project, West Bengal. (IRCON and ITD Cementation)

3. OBR/ OB+Coal measurement

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 have also been submitted. OGL/ excavation measurement jobs done in Dulanga & Talaipalli Coal Mining Projects of NTPC, Amelia Coal Mining Project of THDC, Reject Yard of Mahaveer Coal Resources Pvt. Ltd.

4 DGPS Survey Jobs

- Sand Replenishment Studies using DGPS method in 4 rivers viz Son, Phalgu, Kiul & Chanan rivers of Bihar has been completed.
- Sand replenishment study at various sites in Yamuna, Ken and Bagein Rivers in Banda District, UP has been completed.
- DGPS survey of Forest Land, Block boundary demarcation and preparation of Geo-referenced cadastral map of Badam Coal Mining Project of M/s NTPC has been completed.
- Preparation of DGPS Survey Map for application of Forest Clearance of Tirap OCP of North Eastern Coalfields, Coal India Limited, Margherita, Assam and Preparation of kml files of Mining Leases of NEC has been completed.
- DGPS survey of 557.49 Ha area covering villages (Deogarh, Anjo and Urej) for the purpose of compliance of queries raised by District Mining Officer, Hazaribagh and approach road cum Railway siding area at Village Tokisud of M/s NMDC Ltd. has been completed
- Preparation of DGPS, KML and Land Use plan for the projects of CCL (As per Annual Work Programme 2022-23) - 20 Projects completed.



- DGPS Survey in New Organised Opencast Block-F, Jharia Coalfields
- DGPS survey to collect coordinates of the cardinal points, bounding coordinates and to prepare the geo-referenced map/plan of Brahmdiha Coal Mine of M/s APMDC has been completed.

19.0 MINING ELECTRONICS

Mining Electronics Division of CMPDIL renders services in preparing Feasibility Reports, Detailed Design Reports, Preparation of Tech. Spec., BOQ, and Budgetary Cost & Eligibility Criteria for Operator independence Truck Dispatch

System (OITDS) and Tender Documents for establishing communication network, Telemonitoring of Environmental Parameters for U/G and O/C mines. It also renders valuable services to subsidiary in repairing of Imported/Indigenous HEMM Electronic control cards for Shovel, Dumpers, and Draglines etc. The department has also undertaken different R&D/S&T Projects for Open Cast and Underground Mines related to productivity and safety of mines. The following jobs were completed/ operational during the year.

19.1 R&D/S&T Projects

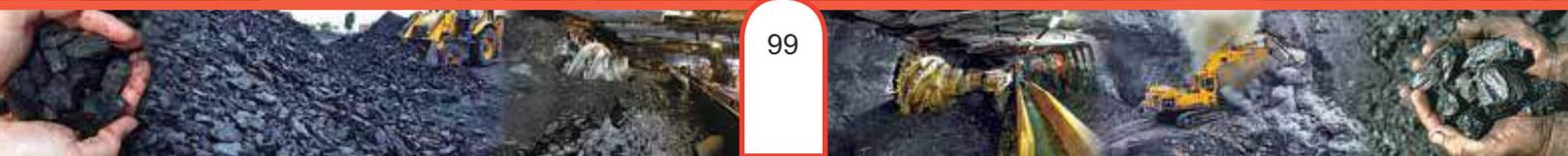
1. MoC S&T Project – “On-line coal dust suppression system for Open Cast Mine”- Ashoka opencast mine, CCL. Completion Report submitted. Applied for copy right software
2. MoC S&T Project – “Indigenous development of Early Warning Radar System for Predicting Failure/Slope Instabilities in O/C

Mines”-SAR successfully installed at Dudhichua, NCL. Field trial Completed.

3. CIL R&D Project- “Indigenous development of Through the Earth (TTE) two-way Communication system for Underground mines”. Completion Report submitted. Applied for Patent.
4. Development of an Indigenous Optical Fiber Based Instrument for Measuring In-The-Hole Velocity of Detonation (VOD) and Analyze Performance of Explosives in Field Condition. - In Progress
5. Indigenous Development of Monolithic Perovskite Module Manufacturing by Printing. – Development of Perovskite Module & lab testing.
6. Real-Time Energy Efficient Cyber-Physical Intelligent system for mine slope health Monitoring. – System Design and Lab Scale Testing.

19.2 P&D/NIT/other jobs

1. Chapters on Electronics & Telecommunication for 24 Nos. of UG and OC mines for inclusion in Project Reports of different subsidiaries of CIL and outside agencies have been prepared.
2. Technical Specification, BOQ, and Budgetary Cost & Eligibility Criteria for Operator independence Truck Dispatch System (OITDS) in 4 Mines (Amlohri, Nigahi, Dudhichua and Khadia).
3. Technical Specification for CCTV system for RI-V Bilaspur office building. – Submitted



4. Automation and communication chapter for Mandu UG mine, CCL. – Submitted.
5. Work of Audio Visual multimedia system of CMPDIL Earth Science Museum is in progress.

19.3. Repairing/Testing of Electronic Cards

1. Repairing of electronic HEMM control cards -06 Nos.

20.0 COAL CHARACTERISATION & LABORATORY

20.1 CHEMICAL LABORATORY DIVISION

1. Physical Achievement:- The Chemical lab division analysed 50274 no. of samples against a target of 50,000 no. of samples (100.55% of target) and processed 19493.87m coal cores for sample preparation against a target of 13,500m (144.40 % of target). Growth over last year in terms of sample analysis was 10.8% and in terms of coal core processing was 30%.

The Coal Characterisation study was carried out on coal core samples from 36 nos. of exploration blocks covering 15 coalfields.

2. Outside consultancy job: The value of outside consultancy work has shown growth of 14% as compared to last year.

3. Empanelment of Labs:- As per the directives of BoD of CMPDIL, to further enhance the coal core processing capacity, the laboratory has empanelled 02 no. of private laboratories capable of analysing coal cores of 20000m for 02 years till F.Y. 2023-24.

4. Accreditation:- The chemical lab division of CC LAB has been accredited with NABL certificate of accreditation for 12 no. of coal and coke testing parameters in January 2022. Surveillance audit of the same was successfully carried out in the Month of March'23.

20.2 COAL PETROGRAPHY LABORATORY DIVISION

1. Physical Achievement:- A total of 965 samples were analysed for petrographic studies against a given target of 945 samples. The micro cleat studies were carried out on 30 nos. of samples against a given target of 40 samples. The petrography analysis was carried out for 24 blocks covering 15 coalfields. The Petrography Lab Division has shown a growth of 2.66% as compared to last year.

2. Accreditation:- The Executives of petrography lab have successfully renewed their ICCP certification during F.Y. 2022-23.

3. S&T Project related job:- The laboratory has taken up an R&D Project titled "Assessment of Rare Earth Elements (REE) AND OTHER ECONOMIC RESOURCES IN COAL & Non-Coal strata and characterization of Acid mine drainage (AMD) and its pollution control from the North Eastern Region (NER) coalfields, India" with Punjab University.

21.0 MATERIAL MANAGEMENT

The highlights of activities towards procurement of Goods & Services for the year 2022-2023 are as under:

21.1 SUPPLY ORDERS: (₹ in Crore)

Sl. No.	Particulars	FY 2021-22	FY 2022-23
1.	Total Procurement Value	77.42	92.41
2.	Total Value procured from MSEs	47.23	72.85
3.	Percentage of procurement from MSEs	61.00%	78.83%
4.	Value of Supply Orders through GeM portal	56.99	81.69
5.	Percentage of procurement from GeM	73.60%	88.40%

Note: 1. The percentage of procurement from MSEs is well above the government of India mandated target of 25%. This target has been up-scaled to 35% for CIL and its subsidiaries

from FY 2022-23 onwards by MSME as circulated vide Letter no. CIL/C2D/MSME/2022/169 dated 01.06.2022 of ED(M&C), CIL. However, deductions for procurement of Goods of certain exempted categories such as HEMM, Iron & Steel, POL, explosives etc. which are beyond capacity of MSEs, have also been allowed from total procurement

value for CIL and its subsidiaries for arriving at the percentage procurement figures from MSEs.

2. The percentage of procurement from GeM for 2022-23 is well above the mandated target of 25%.

21.2 TARGET for FY 2023-24:

Sl. No.	Particulars	Goods	Services	Total
1.	Targeted Procurement	55.00	50.00	105.00
2.	Targeted Procurement from MSEs (Approximately 40% of total procurement, subject to participation of MSEs in the tenders issued by CMPDIL)	22.00	20.00	42.00

22.0 HUMAN RESOURCE DEVELOPMENT

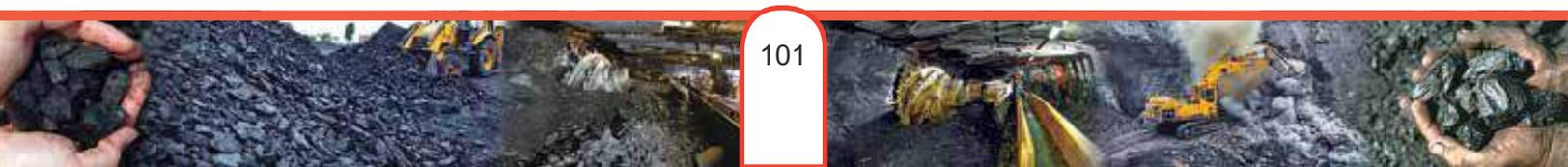
During the year 2022-23, ONLINE / OFFLINE Training/Conference /Seminar/Workshop has been conducted. The summarized statement is as below:-

Programs	No.of Participants	No. of Programs	Training days	Training Man-days
Internal	1276	47	170	4363
External	703	140	786	3810
IICM	123	36	233	690
Total	2102	223	1189	8863

22.1 TRAINING AT STAFF TRAINING COLLEGE (STC)

Training & Development is an integral part of employee's growth. Therefore in CMPDIL an attempt are being made to ensure that their holistic development continues throughout the years. In-house training in this regard for 1276 employees have been conducted both ONLINE & OFFLINE on different technical & non-technical subjects .A few of critical training imparted are as below:-

1. MINEX TRAINING (GEOLOGIST)
2. TRAINING ON MATLAB
3. TRAINING OF CED EXECUTIVES IN CONCEPT OF RESERVOIR SIMULATION FOR COAL BED METHANE.
4. PROGRAM ON PREPARATION OF PROJECT REPORTS IN MDO MODE IN CMPDIL FOR CIL & NON- CIL
5. TRAINING ON USE OF ROCSCIENCE SOFTWARE MODULE
6. ARC-GIS SOFTWARE TO PROCESS MAPS, RELATED TO HYDROGEOLOGICAL STUDY & REPORTS





- 7. UDAAN -A LEADERSHIP RETREAT.
- 8. TRAINING ON E-OFFICE /FILE MANAGEMENT & COMPANY RULES / REGULATION FOR NEWLY PROMOTED NON-EXECUTIVE FOR THEIR SKILL UPGRADATION
- 9. PROGRAM ON INTERNAL AUDITING SKILL MANAGEMENT SYSTEM ISO 9001: 2015 (QMS)
- 10.PROGRAM ON CONTRACT MANAGEMENT.
- 11.MINE CLOUSER-PRESENT STATUS AND EMERGING GLOBAL TRENDS.
- 12. TRAINING ON SC ST & OBC PROVISION.

- ASCI, Hyderabad
- NITS, Noida
- IIM,Kolkata
- IIM, Indore
- IIM, Lucknow
- XLRI , Jamshedpur
- CGWB, Training wing Raipur
- MIT, Anna University, Chennai
- ISNT, Jamshedpur, Chapter etc.
- RGWTRI , Raipur.
- National Institute of Technology, Nagpur
- GSI Field Training Institute, Jaipur

22.2 TRAINING AT IICM

During the FY 2022-23, HRD Division nominated large number of senior and middle level executives for training at IICM as per IICM's annual calendar. Nominations are being done based on training need assessment & HRIS platform. During the year 2022-23 total 123 executives has undergone Online/ offline trainings at IICM.

22.3 EXTERNAL TRAINING

Round the year executives has been sent to different reputed organizations /institutions for attending Training, Conference, Workshop, Conclave and Symposium etc. related to technical/ managerial skill up gradation and to be at par with the latest technical developments. This year 703 nos. of executives and non-executives have attended ONLINE/ OFFLINE programs from different places in India.

Names of some institutes where our employees attended programs are as under:-

- Institute of Training for Standardization Bureau of Indian Standards, Noida
- ISNT, New Delhi
- QCI, Jaipur.
- ICFRE, Dehradun
- ONGC, Dehradun

22.4 INTERNSHIP TRAINING AT CMPDIL

Summer & winter internship training to the students of various institutions are being imparted by HRD Division at different regional institutes of CMPDIL and HQ. Total 130 numbers of students have been trained at CMPDIL during 2021-22. The students have undergone these Trainings / Project works for 4-6 weeks in their respective fields. After completion of training / Project and on submission of their project reports, certificates for successful completion are being issued.

The Institutions approached for training are:-

- VIT VELLORE,
- BHU VARANASI,
- BIT RANCHI,
- IIT(ISM) DHANBAD,
- XISS RANCHI ,
- IIT BHUBANESHWAR ,
- KIIT BHUBANESHWAR,
- CHANKAYA NATIONAL LAW UNIVERSITY PATNA,
- IIT KHARAGPUR,
- NIT ROURKELA ETC.

22.5 APPRENTICES TRAINING AS PER APPRENTICE ACT 1961

As per the Apprentice Act 1961 , CMPDIL has to achieve minimum 2.5% target of average manpower of CMPDIL including contractor



workers (i.e 4029 as on 31st March'2022). CMPDIL has engaged 142 apprentice's which is 3.52% This includes 95 Diploma Holders & 40 Degree Holders & 07 Fresher in various disciplines viz. mechanical, civil, computer science, electrical Engg, Chemical, mining etc. and are placed in different RI's & HQ of CMPDIL for FY 2022-23.

CMPDIL has been registered as Basic Trainer Provider (BTP) for providing training to Fresher Apprentices. For FY 2022-23 , 07 fresher apprentices has been engaged at CMPDIL HQ.

22.6 TRAINING IN CENTRE OF EXCELLENCE

In continuation to the Talent Management & Career Progression, CMPDIL maintained its potential by imparting at least 1 week training to its executives in Centre of Excellence within India like- IITS, IIMs, NITS, ISNT, NPC, ICAI, IIRS, GSI etc. CMPDIL imparted training to 229 executives in center of Excellence i.e. (25.7% of total executive manpower of 892) during the FY 2022-23.

23.0 MANPOWER AND WELFARE ACTIVITIES

23.1 Status of Manpower:

Particulars		As on March 31, 2022	As on March 31,2023
Executive		795	815
Non-Executive	Monthly Rated	1002	943
	Daily Rated	1149	1095
	Piece Rated	02	02
	Grand Total	2948	2855

23.2 Welfare Activities

SI No	Programme	Date
01	Celebration of Ambedkar Jayanti 2022	14-Apr-22
02	Observance of Anti-Terrorism Day	21-May-22
03	Organisation of Summer Camp for the ward of employees	June 2023
04	Independence day	15-Aug-22
05	Har Ghar Tiranga	August 2022
06	Celebrity Football Match	15-Aug-22
07	Birth Anniversary of Mahatma Gandhi	2-Oct-22
08	Fit India Freedom Run	2-Oct-22

22.7 SPECIAL ACHIEVEMENTS WITH SPECIAL PROGRAMS

- 3 days program on mine clouser-present status and emerging global trends has been organised for all subsidiaries of CIL. The program was exclusively designed for practicing environment professional so as to meet the challenges of maintaing the eco-system around the zone of mining activities.
- A basic course on drilling fluid technology at ONGC Dehradun for 75 CMPDIL field personnel (both executives & Non-executives) who needs to be exposed to some scientific Techniques to reduce the non-productive time during Drilling operation by using suitable mud chemicals and Controlled drilling operational parameters.
- Udaan: a leadership retreat – two days indoor/outdoor Customised program has been organised in the vicinity of CMPDIL for all RDs /GMs & HODs facing with a rapid rate of Increasing changes, disruption, and market competition.

SI No	Programme	Date
09	Run for Unity	31-Oct-22
10	Constitution Day	26-Nov-22
11	Communal Harmony	23-Nov-22
12	CIL Foundation Day	1-Nov-22
13	Scholarship to meritorious students of Class X & XII on foundation day	1-Nov-22
14	Selection Trail to Select HQ Team for INTER CIL & RI Tournaments	April 2022 to December 2022
15	CIL Bridge Tournament	10-Jan-23
16	Grand Republic Day Celebration Day	26-Jan-23
17	Organisation of Retirement Function for its employees	April 2022 to March 2023
18	Implementation of Various Guidelines as per instructions of GOI/MOC/CIL/DPE etc.	

23.3 Major Information related to Executive Establishment for the Year 2022-23

SI No	Annual Work Plan	Action Taken
1	Settlement of Terminal benefit	28
2	Payment of Life Cover Scheme	01
3	Issue of Medical card under CPRMSE	35
4	Leave Encashment on Superannuation received	30
5	Settled	25
6	Under Process	5
7	Medical Refer Case	203

23.4 Information related to RTI during the Year 2022-23

SI. No	Work Description	Action Taken
1	Total no. of application received	184
2	Applications disposed off during the year	203
3	Under Process	17
4	Appeal receive during the year	5
5	Appeal disposed off	5
6	Balance	00
7	CIC (2nd Appeal Application received)	5
8	CIC Appeal Disposed off	5

23.5 Information related to CPGRAM during the year 2022-23

SI. No	Grievance Source	Total Application Received	Application Disposed off	Balance/ under Process
1	Local/internet	19	19	0
2	Pension	0	0	0
3	PMO	0	0	0

23.6 Information related to VIP reference during the year 2022-23

SI. No	Grievance Source	Total Application Received	Application Disposed off	Balance/ under Process
1	Local/internet	31	31	0

23.7 Status of Pension during the year 2022-23

Sl. No	Total Cases received during the year	Settled	Pending		Balance under Process
			CMPDIL	CMPFO	
1	151	104	6	41	

23.8 Information related to Non-Executive employees during the Year 2022-23:

SI No	Annual Work Plan	Action Taken
1	Settlement of Terminal benefit	79
2	Payment of Life Cover Scheme	14
3	Issue of Medical card under CPRMSNE	94
4	Leave Encashment on Superannuation received	94
5	Settled	79
6	Under Process	15
7	Medical Refer Case	572

23.9 RAJBHASHA:

Your company continued to implement the statutory provisions of the Official Language Act, Official Language Rules and the directives of the Ministry of Home Affairs (Official Language), Ministry of Coal, Coal India Limited and Town Official Language Implementation Committee and made multidimensional efforts to enhance the progressive use of Official Language Hindi in official work during the period under review.

Your company achieved the target of Hindi correspondence in Region "C" and was very close to achieve the target of Hindi correspondence in Region "A" & "B" fixed by the Ministry of Home Affairs, Department of Official Language, New Delhi in its Annual Programme during the year under review .

Besides, documents under Section 3 (3) of the Official Language Act, the minutes of the different meetings held at the level of C M D/Directors, the Monthly and Annual Reports of your company also continued to be prepared bilingually. The publication of "Gondwana Bharati", a Renowned & National Level House Magazine of your company also continued to promote the creative writing in Hindi, which was praised all over the country.

In the month of September 2022, "Raj Bhasha Mah" was organized as per the directives of Ministry of Coal. In order to promote and make Hindi popular among the employees of the company, several Hindi competitions were organized during the month. A large number of employees participated in all the competitions held during the month. Winners were awarded first prize of Rs 5000, second prize Rs 4000, third prize Rs 3000 and consolation prize Rs 800. All prize winners were also awarded certificate in their respective category. In addition, remainder participants were also awarded.

As per the Directive and Annual Programme issued by Department of Official Language, Ministry of Home Affairs, New Delhi inspection of RIs and differetnt department of headquarters was also done.

Quarterly meetings of Official Language Implementation Committee were also organized under the Chairmanship of CMD to review quarterly progress of Official Language in different departments of your company as per the Directive and Annual Programme issued by Department of Official Language, Ministry of Home Affairs, New Delhi.

Your company were also organized two half yearly meetings of Town Official Language Implementation Committee (PSU), Ranchi (Nagar Rajbhasha Karyanwyan Samiti) under the Chairmanship of CMD to review progress of Official Language in different PSUs.

24.0 DISCLOSURE AND INFORMATION UNDER SEXUAL HARASSMENT TO WOMEN:

The numbers of compliant or cases of sexual harassment to women at working place in CMPDIL has been reported during the year 2022-23 under the disclosure and information under Sexual Harassment to Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 is as follows:

1. Number of sexual harassment complaints received in a year – Nil
2. Number of complaints disposed of in a year – Nil
3. Number of cases pending for more than 90 days – Nil
4. Number of awareness programs or workshops against sexual harassment conducted in a year -01

Nature of action taken by the employer or District Officer with respect to the case – N/A

25.0 Achievement against Physical Parameters of MoU 2022-23 between CMPDIL & CIL

1. Drilling:

As per MoU 2022-23 of CMPDIL, under the head 'Drilling (in Lakh Meter), Sl. No. 2.0', the achievement was 6.85 lakh metres of drilling against the target of 7 lakh metres of drilling.

2. Procurement from GeM as % of total procurement:

As per MoU 2022-23 of CMPDIL, under the head 'Procurement from GeM as % of total procurement (%)', Sl. No. 7.0', the target of '25% Procurement from GeM as % of total procurement' has been achieved.

3. Preparation and submission of geological report:

As per MoU 2022-23 of CMPDIL, under the head 'Preparation and submission of geological report (Nos.), Sl. No. 8.0', the achievement was preparation and submission of 29 nos. of geological reports against the target of 'Preparation and submission of 29 nos. of geological reports'.

4. Preparation and submission of projects report For UG mines:

As per MoU 2022-23 of CMPDIL, under the head 'Preparation and submission of projects report for UG mines (Nos.), Sl. No. 9.1', the achievement was preparation and submission of 15 nos. of projects report for UG mines against the target of 'Preparation and submission of 15 nos. of projects report for UG mines'.

5. Preparation and submission of projects report For OC mines:

As per MoU 2022-23 of CMPDIL, under the head 'Preparation and submission of projects report for OC mines (Nos.), Sl. No. 9.2', the achievement was preparation and submission of 24 nos. of projects report for OC mines against the target of 'Preparation and submission of 24 nos. of projects report for OC mines'.

6. Acceptance/Rejection of Invoices of Goods & Services through TReDS portal:

As per MoU 2022-23 of CMPDIL, under the head 'Acceptance/Rejection of Invoices of Goods & Services through TReDS portal (%)', Sl. No. 10.0', the achievement was 100% against the target of 100%. (No bills uploaded by any MSME vendors on TReDS portal of RXIL during the FY 2022-23, hence no bill is pending for payment on TReDS portal of RXIL as on 31.03.2023 as

per section 2 b(ii) of Micro, Small and Medium Enterprises Development (MSMED) Act, 2006.

7. Acquisition of data through 2D/3D Seismic Survey (Dept.):

As per MoU 2022-23 of CMPDIL, under the head 'Acquisition of data through 2D/3D Seismic Survey (Dept.) (Line KM), Sl. No. 12.0', the achievement was acquisition of 162.90 Line KM of data through 2D/3D Seismic Survey (Dept.) against the target of 'Acquisition of data through 2D/3D Seismic Survey (Dept.) for 180 Line KM'.

8. Target on Asset Monetization Milestones (Compliance Parameter):

As per MoU 2022-23 of CMPDIL, under the head 'Target on Asset Monetization Milestones (Compliance Parameter), Sl. No. 3', the achievement was preparation and submission of Mine Dossiers for Six Discontinued Mines for Tranche-3 against the target of 'Preparation of Mine Dossiers for Six Discontinued Mines for Tranche-3'.

26.0 Coal India Foundation Day celebrated in CMPDIL.

CMPDIL, a Mini-Ratna Company, celebrated the Coal India Foundation Day Closing-cum Prize Distribution Ceremony with full fervor on 11th November, 2022 at Rabindra Bhawan. Chief Guest Shri Shekhar Saran, Ex-CMD, CMPDIL briefed about his connection with Coal India & CMPDIL and elaborated about the challenges, opportunities, prospects and responsibilities of CMPDIL under changing circumstances in Indian coal mining industry. He stated that services of CMPDIL were vital for Ministry of Coal & the Coal Industry. Diversification of business of CMPDIL in the fields of non-coal sector, consultancy to captive miners, extensive use of 2D & 3D seismic technologies, clean coal technologies, environmental services, Coal gasification & Application of UAVs (Drones), etc. was emphasized. He stated the importance of

Three D's i.e. Dedication, Discipline & Decision without delay in one's life & urged all to help in making India prosperous.

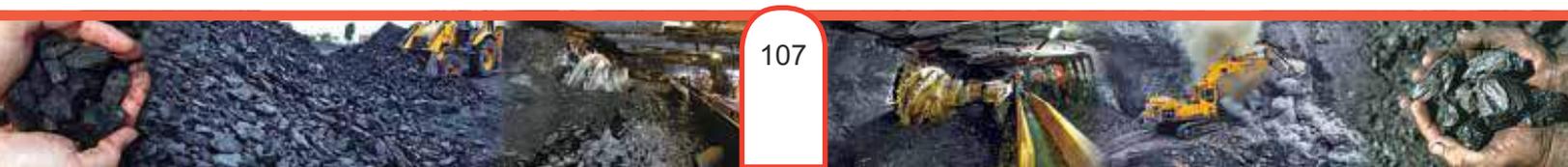
On this occasion, Shri Manoj Kumar, CMD, CMPDIL in his speech stated the need to consider the scenario of coal and minerals by studying the current business planning, manpower, machines and capital, measures to increase capacity as a strategic step in view of the challenges and changes of the future. To move forward in this direction, he emphasized the need to prepare a roadmap for the future strategy of CMPDIL by meeting potential business prospects, engaging reputed business consultants, conducting case studies at international level and taking into account the business opportunities.

The most valuable resource of CMPDIL is the experienced manpower working in various departments over the years. We are proud that there is no other organization like ours in the country which has such vast experience in planning and related work for most of the coal mines in the country.

Today the coal mining sector is rapidly moving towards commercialization and private players are participating in it. CMPDIL with its vast expertise of 48 years in Coal Mine Planning & Design should seize this opportunity to become a leader in this field. To stay competitive with other private companies, it is our duty to adopt the latest technology with a keen eye and develop our skilled manpower accordingly.

Awards in different categories were given to the employees of CMPDIL for excellent performance in their respective area of operation. On this occasion, based on drill productivity, Gourangdi Camp, RI-1, Asansol got the award for the best drilling camp (Mechanical) and Singhpur Camp, RI-V, Bilaspur (Hydrostatic) category.

Under the best drill crew category award (highest productivity), crew of CDMM-1000-13,



Singhpur, RI-V, Bilaspur and CMKR—WAIC-08, Singhpur, RI-V, Bilaspur got the award for mechanical and hydrostatics drills, respectively.

For best performance in Report Preparation, awards were given to Shri Badal Manna, CM (Mining), RI-V for Opencast Report and, Shri Ashish Kumar Hota, Sr. Manager (Geology) and his team from RI-VII, Bhubanewar for Geological Report, Shri Prateesh .V. Parolical, CMPDI (HQ) for Environmental Services. Shri Vipul Bansal, Dy. Manager (E&M), RI-V and Shri T.K.Das, GM (Civil) and Shri Navin Kumar, Dy. Manager (Civil), CMPDI (HQ) received awards for Infrastructural Planning.

RI-V, Bilaspur & RI-I, Asansol, Shri Malaya Krishna Sahu, Sr. Manager (Geology), CMPDIL(HQ) and Gurrala Tejaswi, Manager (Finance), RI-IV, Nagpur got the award for outstanding performance in 'Lab', 'Exploration' and 'Financial' services, respectively.

Three representatives each from Business Development Department & Exploration Department of CMPDIL(HQ) and RI-I, Asansol got the award for maximum value of outside consultancy jobs obtained in 2021-22; GM (Environment), CMPDIL (HQ) for Maximum growth in outside consultancy jobs in 2021-22. RD, RI-VI, Singrauli received awards for **Geomatic Services**.

Awards for '**Innovation**' for digitization of finance Records and generation of reports in MS Access leading to ready availability of data for SAP FICO module, etc to Shri Subhendu Banerjee, Accountant, RI-V and for Shri Sravan Kumar Gara, Sr. Mgr(Civil), HQ for associating with scientific slope stability analysis jobs and Instrumental in establishing the Geotech Laboratory at CMPDIL.

Shri D.P.Singh and his team received award for preparation of Soil Moisture Conservation (SMC) Report; Dr. Vinita Arora and his team for submission of Carbon Footprint Analysis (CFA) to CIL/MoC and Shri Rajneesh Kumar and his team received awards for application of Drone technology in the field of Ariel Survey.

Under **CSR**, RI-IV, Nagpur got the award for maximum utilization of CSR Budget in 2021-22 and Regional Institute-I, Asansol got the award for maximum expenditure in remote areas amongst all the Ris in the FY 2021-22.

Shri Abhisek Kumar, Manager (Env.), CMPDIL (HQ), Shri V. N. Dupattawala, Chief Manager (Mining), RI-VI, CMPDIL (HQ); Ranchi Team consisting of 5 members, Shri D. Bhattacharjee, GM (Mining/OC); Shri Randip Singh, GM (Excav.); Shri Ashok Prasad, GM (Excav.); Shri Sudhir Kumar Singh, Chief Manager (Mining); Shri Sudarsan Rath, Dy. Manager (Mining); Shri Bikesh Kumar Pandey, Chief Manager (Mining), RI-III; Shri Ashish Ranjan, Chief Manager(Mining), HQ; HQ, Ranchi Team consisting of 3 members Sri RK Amar, GM (Mining); Shri Vinod Kumar Pandey, Chief Manager (Env) Sri Vikrant Gupta, Manager (E&M) got '**Special Achievement**' awards.

Additionally, Shri Aditya Telang, Dy. Manager (Civil), RI-II; Shri Ram Niwas Tak, Dy. Manager (Finance), RI-II; Shri Sandeep Sharma, Manager (Env.), RI-IV; Miss Priyanka Tiwari, Dy. Manager (HR/P), RI-IV; Shri Rahul Karki, Dy. Manager (Geology), RI-VI; Smt. Manaswini Rath, Dy. Mgr. (Geo), RI-VII; Dr. Pritam Biswas, Dy. Mgr. (Min), RI-VII bags 'Young Executive' awards. Moreover, Smt. Deepanwita Bin – JSA, RI-V; Shri Satyendra Singh, Sr. Surveyor (Civil), RI-VI; Shri Kausik Biswas, Sr. Surveyor (Civil), RI-VI; Shri Subham Mondal, Surveyor (Mining), RI-VII; Shri Swaraj Sourabh, Sr. Asstt. Driller (Grade-A), HQ received awards in their respective field of services in Non-Executives category.

Shri Rajneesh Kumar, GM(Geomatics); Shri Puskar, GM(Env./Vigilance); Shri Pritam Kumar Prasad, GM(Finance); Shri Ujjal Chatterjee, CM(Finance); Shri Arjun Hembrom, GM(Geology); Dr.Santanu Kumar Banerjee, CM(Geology); Zeba Imam, CM(Geology)/HoD(CC Lab); Shri D. Bhattacharjee, GM(Mining/OC); Shri Abhijit Sinha,

GM(Mining/Env.); Shri Ravindra Nath Singh, GM(Excav.); Shri V. Madhukar, CM(Mining) received 'Special Contribution Award'.

In Sports Category, Shri Biswarajan Ray, Shri P.K.Bishoi, Shri B.Raju received awards and Shri Upendra Kumar Singh, Manager (Geology) received Bravery award for providing services to COVID-19 affected persons.

On this occasion, Shri R.N. Jha, Director (T/RD&T); Shri S.K. Gomasta, Director (T/CRD); Shri Shankar Nagachari, Director (T/ES); Shri Ajay Kumar, Director (P&D); Shri Sumeet Kumar Sinha, CVO; All Regional Directors; GMs/HoDs, members of JCC, representatives of CMOAI were also present. The celebration started with lighting of lamp and Corporate Song of Coal India Limited.



27.0 Activities of Forum of Women in Public Sector (WIPS) CMPDIL in 2022-23.

The office bearers and Executive Members of the newly formed "Functional Management Committee" of WIPS, CMPDIL Chapter (HQ & RI-III) as follows:

1. Ms. Shilpi Swaroop, Dy. CMO: Coordinator
2. Ms. Abha Prasad, General Manager (CP): General Secretary
3. Ms. Swapnali Basu, Chief Manager (Finance): Treasurer
4. Ms. Priyanka Bhatta, Manager (Geology): Alternate Coordinator
5. Ms. Sangita Biswas, Sr. Manager (Geology): Jt. Secretary
6. Ms. Charu Oberoi, Asst. Manager (CP): Jt. Treasurer

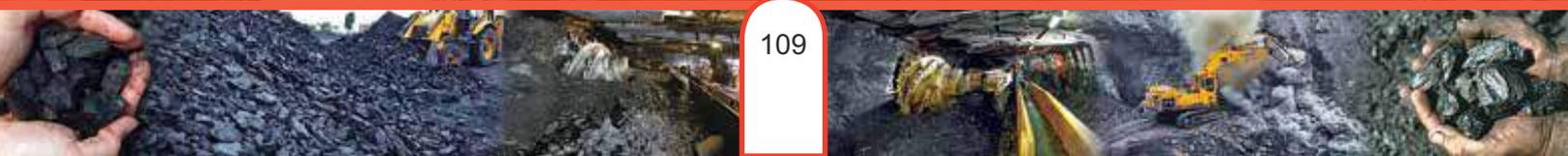
27.1 Program on wellness with Yoga for Ladies

One day program on wellness with Yoga for ladies was organized on 8th International Yoga Day on 21st June 2022.

The trainer was Ms. Neha Jha from Art of Living, Ranchi and this session was attended by around 32 ladies. The session was a great way to get rid of stress that accumulates daily, in both, body and the mind. The session began by seeking the blessings of the Almighty by chanting the Gayatri Mantra. Asanas starting with warming up and stretching were followed by a series of Padmasanas, Sukhasan, Tadasana, Bhujang Asana and ending with Shavasana. Exercises for relieving stress, reducing joint pain and enhancing the flexibility of the back were also done for the benefit of the females.

27.2 Personal Development Program

One day session to support and motivate for the well being of female employees of CMPDIL (HQ) & RI-III, on "Balance for Better-SHE is reinventing HERSELF" was conducted on 20th Oct. 2022. Ms. Ritika Swaroop, Preceptor/Trainer for Heartfulness Meditation conducted the session.





The session was great to understand work life balance of an individual's ability to schedule their professional and personal hours to live a healthy and serene life. It is a big challenge for a woman in a job to assemble their values and attitudes toward arranging and balancing their work and personal lives.

27.3 Celebration of Children's Day

WIPS, CMPDIL (Hq) Chapter organized Fancy Dress Competition at Gondwana Primary School, CMPDIL campus on 14th November 2022 on the occasion of Children's Day.

Around 50 students from Nursery to Std. V participated to showcase their talent. The objective was to encourage confidence building and personality development among children.

Smt. Mamta Singh, Principal, Gondwana Primary School; Smt. Suman Rastogi, Chief Manager (CP/CSR) and Smt. Moupriya Patra, Teacher, Gondwana Primary School judged the participants.

27.4 Painting Competition

WIPS, CMPDIL organized a painting competition for only girl students of Birsa Uuch Vidyalaya, Kanke on 22nd Nov. 2022.

The objective was to develop their artistic skills, express their creativity, and gain valuable experience and recognition. This competition provided a platform for girl children to showcase their talent, learn from others, and explore their artistic potential. Icing on the cake turned to be when 14 boys willingly participated in this painting competition.

Prizes were distributed on 16th Dec 2022 in the presence of Ms. Shilpi Swaroop, Dy. CMO, Ms. Swapnali Basu, Chief Manager (Finance) and Ms. Charu Oberoi, Asst. Manager (CP) and Ms. Amita Mehta.

27.5 Health and Wellness Program

1. An Eye Camp was organized in the CMPDIL premises on 14th-15th Dec 2022 to check the eyesight of the employees and their family. Eye check-up camp was organized by WIPS and Kasturi Mahila Sabha in association with Titan Eye+, Ranchi.
2. Seeing the huge turn around, the second Eye Camp was organized in the CMPDIL premises on 14th-Feb. 2022 to check the eyesight of the employees and their family. Eye check-up camp was organized by WIPS in association with IDFC FIRST Bank, Ranchi.

27.6 Celebration of International Year of Millets

On 24th Jan 2023 under the leadership of Shri. Manoj Kumar, Regional Director, CMPDIL, RI-IV, Nagpur, a cookery competition was organized under the aegis of WIPS, CMPDIL, RI-IV, Nagpur to celebrate International Year of Millets 2023.

The prime motto of this event was to promote the value and numerous health benefits of the wonder grain millets in our daily routine. Exotic and innovative recipes were prepared and showcased.

27.7 International Women's Day Celebrations at CMPDIL

Forum of Women in the Public Sector (WIPS), CMPDIL chapter celebrated International Women's Day on March 2, 2023 with the theme, "Digit All: Innovation and Technology for gender equality" at its HQs, Ranchi. Shri Sumeet Kumar Sinha, C.V.O, CMPDIL, Smt. Seema Jha, Smt. Neeraja Gomasta & Smt. Prity Nagachari, other members of Kasturi Mahila Sabha, employees were present on this occasion.

Smt. Rupali Gupta, President, Kasturi Mahila Sabha, inaugurated the event and in her address said, "DigitAll technology is opening new doors for women empowerment and Digital age represents an opportunity to eliminate all forms of inequalities".



The guest of honor, Ms. Manisha Oraon, Co-founder, Open field Farm, Jharkhand in her address said there is need to address the digital gap in women to unlock the full potential of technology in women's life.

Approximately 200 women working in CMPDIL (HQ), and RI-III including Contractual workers and employees family members were present and participated in the celebrations. The event was coordinated by Dr. Shilpi Swaroop, Dy. Chief Medical Officer-WIPS Coordinator, along with Smt. Abha Prasad, General Manager (CP) and Swapnali Basu, HoD (IAD), CMPDIL.



A programme on wellness with Yoga for ladies was organized in CMPDIL on 21.06.2022.

27.8 International Women's Day Celebrations at CMPDIL, RI-IV

CMPDIL, RI-IV, Nagpur under the aegis of WIPS, RI-IV, chapter on the eve of International women's Day organized a knowledge sharing session on the theme "DigitAll: Innovation and Technology for Gender Equality".

In this session, Smt. B Sruthi, Manager (Civil) throws light on usage of different digit platforms for various financial investments and financially self-reliant and independent.

Shri Manoj Kumar, RD, RI-IV, Nagpur, women employees participated in this session and divers issues were discussed related to financial management.



27.9 Picotrial Representation of WIPS Program



One day session for Female Employees on " Balance for Better- SHE is reinventing HERSELF" on 20th Oct, 2022.





Painting competition for girls was organized at Birsa School on 22nd Nov 2022



1st GB meeting of newly elected WIPS committee was organized on 09.12.2022

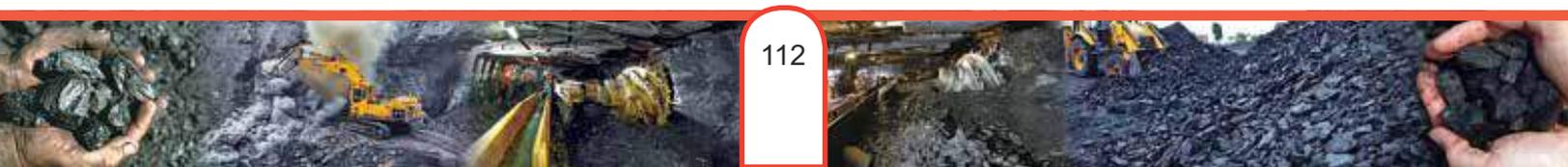


CMPDIL, RI-IV, Nagpur organized a cookery competition under the aegis of WIPS, CMPDIL to celebrate International Year of millets , 2023.

28.0 DIRECTOR'S RESPONSIBILITY STATEMENT:

28.1 In the preparation of the annual accounts, the applicable accounting standards had been followed along with proper explanation relating to material departures.

28.2 The Directors had selected such accounting policies and applied them consistently and made judgments and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the company at the end of the financial year and of the profit or loss of the company for that period.



Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



- 28.3** The Directors had taken proper and sufficient care for the maintenance of adequate accounting records in accordance with the provisions of this Act for safeguarding the assets of the company and for preventing and detecting fraud and other irregularities.
- 28.4** The Directors had prepared the Annual Accounts on a going concern basis.
- 28.5** The Directors confirmed that they had devised proper system to ensure compliance with the provisions of all applicable laws and that such systems were adequate and operating effectively.

AUDITORS:

On the advice of the Comptroller and Auditor General of India M/s. K C Tak & Co.,

Chartered Accountants, Ranchi were appointed as Statutory Auditors of the Company for the financial year 2022-23.

ACKNOWLEDGEMENT:

Your Directors are grateful to the Government of India particularly the Ministry of Coal, Coal India Ltd., and its Subsidiaries, State Governments and other Public Sector Undertakings with whom your Company has to work in close contact for their co-operation and encouragement in fulfilling the tasks of the Company. We are thankful to our esteemed clients for the confidence reposed in us and the patronage extended to us and to the dedicated employees of the company.

ADDENDUM :

Information as required to be given in the Directors' Report under Section 134(3) (m) of the Companies Act, 2013 on conservation of Energy, Technology absorption and Foreign Exchange earnings and outgo, Research and Development, CEO and CFO certification, Extract of Annual Return under section 92 of the Companies Act, 2013, Auditor reports on compliance on Corporate Governance, the reports of Statutory Auditor and Management replies, Secretarial Auditor's

Report and replies of management Comments of the Comptroller & Auditor General of India under section 143 of the Companies Act, 2013, reports on MoU 2021-22 and Information on details of remuneration etc. of Managerial Personnel are also Annexed to this report.

Report and replies of management Comments of the Comptroller & Auditor General of India under section 143 of the Companies Act, 2013, reports on MoU 2021-22 and Information on details of remuneration etc. of Managerial Personnel are also Annexed to this report.

For and on behalf of the Board of Directors

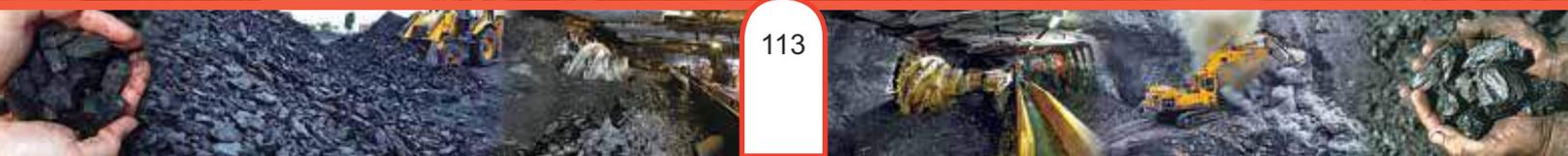
A handwritten signature in black ink, appearing to read 'Manoj Kumar'.

(Manoj Kumar)

Chairman-cum-Managing Director

Place : Ranchi

Date : 21.07.2023





ANNEXURE TO DIRECTORS' REPORT

Information as required to be given in the Directors' Report under Section 134(3) (m) of the Companies Act, 2013 read with the – matters to be included in Board's Report, Rule- 8 regarding conservation of energy, technology absorption and foreign exchange earning and outgo.

A. CONSERVATION OF ENERGY INITIATIVES TO REDUCE CARBON FOOTPRINTS

CMPDIL has undertaken energy conservation studies in 2022-23 and conducted Diesel Audit & Benchmarking of specific diesel consumption as well as Electrical Energy Audit and Benchmarking of specific electrical energy consumption in various opencast and underground mines situated in different subsidiaries of Coal India Limited by Bureau of Energy Efficiency (BEE) accredited Energy Auditors.

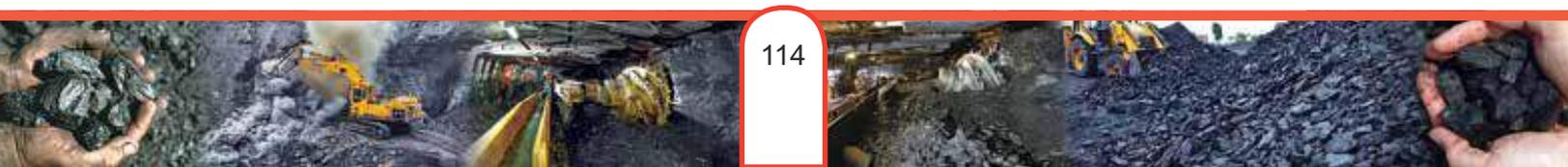
In Diesel Benchmarking studies conducted in various coalfields of CIL, following broad heads are adopted for diesel conservation:

- i) Identification & Minimization of leakage and adopting preventive maintenance measures for HEMM deployed
- ii) Speed optimization of HEMM considering haul road conditions
- iii) Time study to minimize idle hours and preventing unnecessary movement of HEMM
- iv) Comparison with CMPDIL planning & design norms, 0.1 ltr/bhp-hr for track mounted, 0.06 ltr/bhp-hr for wheel mounted and 0.054 ltr/bhp-hr for electric wheel mounted HEMM.

In Electrical Energy Audit & Benchmarking studies conducted in various coalfields of CIL, trend analysis based on last three (3) years historical data and electrical measurements carried out during field visit to underground and opencast mines, following energy conservation methods are adopted:

- i) Demand side management
- ii) Reduction of transmission & distribution losses
- iii) Power factor improvement
- iv) Efficient illumination system
- v) Reduction of transformation losses by reorganization of transformers
- vi) Installation of energy meters for energy monitoring
- vii) Energy conservation measures in pumping system

For Energy Audit and Energy Benchmarking studies conducted by BEE accredited Energy Auditors, please refer table as given below:



(A1) Energy Conservation initiatives taken up by CMPDIL for the year 2022-23

A	Diesel Audit and Benchmarking	Diesel Consumption	Proposed Saving Potential
1	Annual benchmarking of 7 OCPs identified by ECL	28103	1208 K Litre/yr
2	Annual benchmarking of 11 OCPs identified by BCCL	29215	1280 K Litre/yr
3	Annual benchmarking of 30 OCPs identified by CCL	45595	2032 K Litre/yr
4	Annual benchmarking of 15 OCPs identified by WCL	50020	2216 K Litre/yr
5	Annual benchmarking of 3 OCPs identified by SECL	95744	4233 K Litre/yr
6	Annual benchmarking of 10 OCPs identified by NCL	125631	5596 K Litre/yr
7	Annual benchmarking of 12 OCPs identified by MCL	45989	2067 K Litre/yr
B	Electrical Energy Audit and Benchmarking studies carried during 2022-23		
1.	Electrical Energy Audit and Benchmarking Reports for Bina and Dudhichua OCP, NCL		
2.	Electrical Energy Audit and Benchmarking Reports for AB OCP, Block-II Area, BCCL		
3.	Electrical Energy Audit and Benchmarking Reports for following projects of CCL. i. Religarha OCP, Argada Area ii. Parej East OCP, HZB Area iii. Dhori Khas U/G, Dhori Area iv. Rajrappa OCP, Rajrappa Area v. Govindpur Ph-II OCP, Kathara Area vi. North Urimari OCP, Barkasayal Area		

(A2) MINE ILLUMINATION SURVEY REPORT TAKEN UP BY CMPDIL FOR THE YEAR 2022-23

SI No.	JOB Description
1.	Illumination Survey of Jayant OCP, NCL
2.	Illumination Survey of Bina OCP, NCL
3.	Illumination Survey of Krishnashila OCP, NCL
4.	Illumination Survey of AKWMC OCP, Katras Area. BCCL

(A3) SOLAR POWER PLANT INITIATIVES

- Scheme submitted to CCL under PMC services from concept to commissioning for installation of 47.77MW solar power plant (ground mounted, floating and roof top) at various locations of CCL command area.
- Tender documents have been prepared for 17.02 MW solar power Plant at CCL and Tender floated for 5.02MW solar power Plant.
- Commissioned 100kWp (DC) roof top solar power plant at office building of CMPDIL (RI-V), Bilaspur.
- Preparation of scheme for 100kWp roof top solar power plant including solar tree at different locations of CMPDIL (HQ) campus, Ranchi.

B. FOREIGN EXCHANGE EARNING AND OUTGO

(₹ in Crore)

SI No.	Particulars	2022-23
1.	Earning	0.02
2.	Expenditure on foreign currency	2.28

C. RESEARCH AND DEVELOPMENT AND TECHNOLOGY ABSORPTION

1. One S&T project titled “Establishment of Geo-thermal energy (20KW Cap.) power generation Pilot Project at Manuguru area of SCCL Command area based on closed loop Binary Organic Rankine Cycle Process technology” - Singareni Collieries Company Ltd, Kothagudem and Shiram Institute for Industrial Research, New Delhi.

The above project has been taken up with following objectives:

- ❖ To establish indigenous 20 KW Pilot Demonstration unit in India based on closed loop Binary Organic Rankine Cycle (ORC) process technology to produce clean, reliable and efficient electricity using Geothermal fluid as heat source at Manuguru, SCCL, Telangana.
 - ❖ To standardize and optimize the power generation cost using geothermal source independently or in combination to ensure uninterrupted power supply for commercial viability.
2. An R&D project titled “Design and deployment of Ventilation Fan Wind Power Recovery System as an alternate source of Electrical Energy in Underground Coal Mines”- **IIT-ISM, Dhanbad and ECL**
 - ❖ The prime aim of above project is designing of experimental model for generating maximum electricity from exhaust of main ventilation fan.
 - ❖ Through the proposed model of set-ups, exhaust fan power consumption would be reduced up to 10%. Vertical Axis Wind Turbine (VAWT) Technology will be installed in the outlet of the existing main ventilation fan at Kumardubhi Colliery, Mugma Area, ECL. To guide the air flow from the exhaust by rotation, Derricus Blades of wind turbine are proposed to be installed in the project. This will reduce the power consumption of the existing ventilation system.
 3. An R&D project titled “Indigenous Development of Monolithic Perovskite Module Manufacturing by Printing”- IIT Bombay, CMPDIL, Ranchi and CIL, Kolkata.
 - ❖ The prime aim of above project is development of the pilot plant for large area printable perovskite modules with targeted efficiency of 12-14% in 100 cm² device and a device lifetime of 10 years.
 - ❖ The Research and development of the individual components of the device will enable 100% Make in India approach with zero import dependency.

D. TECHNOLOGY ABSORPTION:

The R&D in coal sector is mainly for improvement of efficiency parameters in mining operations including mine safety, coal beneficiation/utilization, protection of mine environment and ecology and development of clean coal technology etc.

CMPDIL being a nodal agency and research organisation, has taken many technological initiatives in various fields across its total operational activities.

- In underground mining, Mass Production Technology has been introduced in quite a number of mines. Continuous Miner Technology (26 nos.) has been introduced in 18 mines of CIL so far, which are under operation. Long-wall mining are in operation at Moonidih UG of BCCL and Jhanjra UG of ECL.
- Free Steered Vehicles for transportation of men and materials in underground have been introduced in Jhanjra & Kotadih U/G mines of ECL and Churi U/G mine of CCL.
- In 52 Man Riding Systems (MRS) are in operation in 41 UG mines of CIL and 3 MRS are under installation. Man Riding Schemes for another 12 underground mines of CIL have been prepared.
- For a few underground mines proposed with mass production technology, trackless transport system has been proposed for men and material. Three Free-steered vehicles (diesel operated) in Jhanjra underground mine and two Free-steered vehicles (battery operated) in Khottadih underground mine are presently in operation in ECL.
- Two sets of Highwall miners are in operation in Sharda mine of SECL having total capacity of 0.85 Mty. LOA has been issued for 4 Highwall miner projects of CIL with total capacity of about 2.0 Mty.
- The latest version of Geovia Minex, Data Mine, Vulcan, Carlson software for mine planning have been introduced. This provides best resource planning through pit design, pit optimization, scheduling of resources and dumps, etc. Also, Geo-technical software/tools from Rocscience Inc. for analysing rock and soil slopes stability has been procured.
- Commissioning of the Large Direct Shear Machine (Largest in India) with 2500 kN Normal Shear Load Capacity through R & D Project (Designed in collaboration with IIT Delhi) and establishment of a Geotechnical Lab.
- 40 numbers of departmental Surface Miners are in operation in several opencast mines of CIL to eliminate drilling and blasting and also for facilitating selective mining.
- A study on use of Vibro Ripper in opencast mines has been done recently. From this study it has been that Vibro Ripper is suitable at places where drilling & blasting is not permitted / desired due to environmental, safety or other reasons. Presently they are deployed in Kaniha & Hingula mines in MCL and Gevra in SECL.
- GPS/ GPRS based Vehicle Tracking System [VTS] in coal transporting vehicles have been introduced to prevent theft and pilferage of coal.
- RFID, CCTV & Boom Barrier based Weight Monitoring and Control System has been introduced. It has ensured Real Time transmission of coal weighment data to the Central Server. This has enhanced transparency in the system as well as helped reducing theft of coal during transit.

- Operator Independence Truck Dispatch System(OITDS)- Automatic allocation of dumpers to shovels to reduce cycle time and cost instead of presently just tracking of vehicles in most of the mines along with Real Time Vehicle Health Monitoring System, VIMS and Fuel Management System (FMS) are being used.
- Fixed type Automatic sprinkler system for dust suppression in Open Cast mines- Continuous monitoring of pump drive namely Start, Stop, Trip etc. is introduced through R&D efforts.
- Hydrostatic drills with PCD bits for enhancing the productivity of exploratory drills have been introduced.
- CMPDIL has recently introduced 2D/3D seismic survey on wide scale for coal exploration work using state of art seismograph and modern seismic sources (like vibrator/ explosive etc) along with optimised drilling work as per terms of ISP, 2022.
- CMPDIL is using state of art Paradigm software along with in-house developed software “SPE” for processing and interpretation of seismic data, which generates better structural information of sub-surface by imagining technology.
- Numerical modelling software (FLAC 3D) was procured / upgraded under R & D project is being regularly used for scientific studies involving strata control. VENTSIM software for ventilation planning in UG mines has been introduced. In-house job/skill has been created by the use of above software.
- CMPDIL is Principal Implementing Agency (PIA) for the development of CBM in CIL leasehold areas I.e. BCCL, ECL & SECL. One CBM Block namely Jharia CBM Block-I (BCCL leasehold area) has been awarded to M/s Prabha Energy Private Limited for extraction of CBM on revenue sharing basis.
- CMPDIL is also Principal Implementing Agency (PIA) for the coal gasification projects at CIL and its subsidiaries

Initially following coal gasification projects have been undertaken:

- SECL (Mahamaya) SCG Project : South Eastern Coalfields Limited (SECL) planned to establish Coal to Ammonia Plant at Mahamaya, Chhattisgarh with the capacity of 2200 MTPD for utilizing Coal as a basic raw material for the production of Ammonia. MoU has been executed between CIL and IOCL for coal-to-DME gasification project at SECL on 12.10.2022. Work order has been issued to PDIL on 24.11.2022 for preparation of PFR for setting up of Coal –to-DME plant in SECL on LSTK mode of implementation.
- ECL (Shilpanchal Pariyojana) SCG Project: Eastern Coalfields Limited (ECL) planned for setting up a grass root Coal to Methanol Plant at Bahadurpur - Raniganj, West Bardhaman (W.B.) with the capacity of 2000 MTPD for utilizing Coal as a basic raw material for the production of Methanol. Tender for selection of BOO processor has been floated on 31st January, 2022. Bid opened on 5th May 2022 and no Bid has been received. MoU with GAIL has been signed on 12th October,2022 (CIL-GAIL JV: Coal-to-SNG at ECL). Work order has been issued to PDIL on 24.11.2022 for preparation of PFR for setting up of Coal –to-SNG plant in ECL on LSTK mode of implementation.



- WCL (Utkarsh SCG Project: Western Coalfields Limited (WCL) planned to establish a Coal-to-Ammonium-nitrate (Melt) Plant at Juna Kunada Opencast Mine and Chargaon OC Mine (abandoned pits) of Majri Area, WCL of Maharashtra with the capacity of 2000 MTPD for utilizing Coal as a basic raw material for the production of Ammonium Nitrate. Tender for selection of BOO processor for WCL coal gasification project has been floated on 3rd Aug, 2022. No bid received. Tender for selection of BOO processor for WCL SCG project has been floated on 06th March 2023. Bid opening date is 14th September, 2023. A pre-bid meeting with prospective bidders was held on 27th March, 2023 at EIL, Delhi.

E. BRIEF OUTCOMES RESEARCH PROJECTS COMPLETED DURING 2022-23:

(I) Capacity Building for extraction of CMM Resource within CIL Command Areas

This project was executed by CMPDIL, Ranchi in association with CSIRO, Australia.

Under this project, CMPDIL has developed a good State-of-Art Laboratory facility over the years for understanding of CBM/CMM resources in India to assist in unconventional gas resources extraction.

The new equipment and facilities include mobile laboratory; new design desorption canisters; residual gas measuring systems with gas measurement; micro gas chromatograph; triaxial rock testing system; adsorption isotherm equipment, and gas reservoir modelling software and capability. All the new equipment have been procured by CMPDIL.

(ii) Development of Coal Quality Exploration Technique based on Convolutional Neural Network and Hyperspectral Images

This project was executed by CIMFR, Nagpur in association with Shri Ramdeobaba College of Engineering & Management, Nagpur.

Under this project, a new coal quality identification and classification technique to predict coal quality data by Hyper-spectral imaging using Convolutional Neural Network technique/machine learning etc. has been developed.

(iii) Modelling and design of indirect coal gasification reactor for high-ash Indian coals.

This project was executed by IIT, Madras in association with CMPDIL, Ranchi

Under this project, two reactors, namely, Coal Heating Reactor (CHR) and Char Gasification Reactor (CGR) are used for indirect gasification of coal. Detailed heat and mass balance calculations based on proximate and ultimate analyses of several coals available in India have been performed. The gasifier is designed for a production of syngas with a calorific value of 1 MW. Mass flow rates of coal, air and steam have been calculated based on the required output from CGR.

Two configurations have been considered. In configuration-1 both CHR and CGR operate in slow bubbling bed regime. Here, hot char is removed from bottom of Coal Heating Reactor (CHR) and supplied to Char Gasification Reactor (CGR). Similarly, sand and ash are removed from the bottom of CGR. Configuration-2 employs turbulent/fast fluidization regime in CHR. Here, the hot char particles are

transported through the top of the reactor, separated using a cyclone and fed in to CGR.

(iv) Design and Stability of Pillars/Arrays of Pillars for Different Mining Methods in Coal Mine Workings

This project was executed by CIMFR, Dhanbad in association with IIT-ISM, Dhanbad, CMPDIL, Ranchi, SECL, Bilaspur, BCCL, Dhanbad and SCCL, Kothagudem.

Under this project, guidelines related to design and stability of pillars for different depths were developed. In-situ stress measurement was done at Moonidih UG mine of BCCL and Churcha mine of SECL using strata monitoring instruments such as VW stress cells, Extensometers, Remote convergence indicators, Data loggers. Thereafter, models for simulation of pillar behaviour in FLAC 3D were prepared which were validated from the field observations.

(v) Development of Guidelines for Increasing the Height of Overburden Dumps at Opencast Coal Mines in India

This project was executed by CMPDIL (HQ), Ranchi in association with IIT, Delhi.

Under this project, detailed geotechnical characterization and stability analysis of coal mine overburden dumps in three major coalfields was done to meet techno-economic and operational challenge to go for the most efficient overburden dump design, that is steep enough to be safe and flat enough to be economically acceptable. Estimation of FoS, probability of failure using numerical analysis and strength properties from direct shear machine (DSM) and large direct shear machine (LDSM) and deriving optimal dump geometries were also performed.

(vi) Bench Scale Study on reducing ash content (mineral matter) from Washery Grade Coking coal and high ash non-coking coal through oil agglomeration.

This project was executed by NML, Jamshedpur in association with CMPDIL (HQ), Ranchi.

Under this project, characterization of raw coal from MCL and CCL was done to assess suitability of the agglomeration process including petrography, zeta potential and FTIR characterization. Further, indigenous fabrication of suitable oil agglomeration process unit for removal of high ash level from coals of Indian origin at 5 kg scale with optimization of agglomeration parameters for each coal including coal particle size, agitation duration for both emulsification and agglomeration, blade design of agitator, oil type and quantity of oil. Finally, the suitable sieving process to be adopted was also determined.

(vii) Development and adoption of Real-Time Prognosis System (RTPS) for cost effective safe operation of mobile machinery: show-cased demonstration of dumper fleet.

This project was executed by IIT, Kharagpur in association with CIMFR, Dhanbad, Lulea Technological University (LTU), Sweden and ECL, Sanctoria.

Under this project, surface mining asset utilization framework, based on advanced technology was developed. This included demonstrating the framework in a conventional surface mine with shovel-dumper combination with a specific aim to show-cased demonstration of prognosis technology for dumper fleet with better utilization and safety.

(viii) To develop an Artificial Intelligence (AI) based machine learning solutions to enable prediction of occurrence of fire in Open cast mines extracting locked coal pillars with safety.

This project was executed by IIT-ISM, Dhanbad.

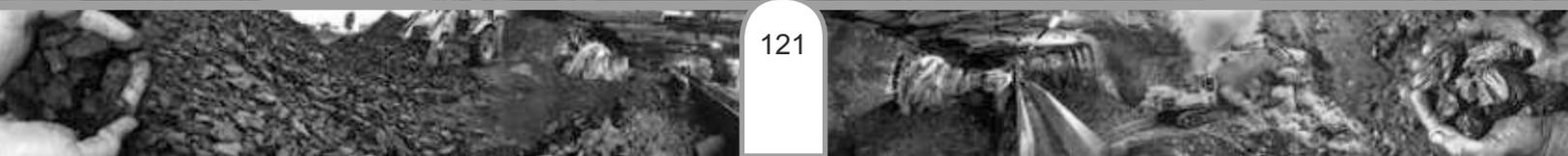
Under this project, a hand-held AI based Machine Intelligence solution to predict about occurrence of Fire/No fire, specific to mine location was developed.

(ix) Development of a methodology for regional air quality monitoring in coalfield area using satellite data and ground observations.

This project was executed by CMPDIL (HQ), Ranchi in association with NRSC, ISRO, Hyderabad.

Under this project, particulate matter, and meteorological data from online air quality monitoring stations [as supplied by CMPDIL authority], MODIS sensor derived AOD data from Terra and Aqua satellite in conjunction with model derived meteorological fields have been utilized to develop satellite based surface level concentration of PM_{2.5} and PM₁₀. This developed relationship was used to generate spatial map of particulate map during the satellite over pass time and validated at Singrauli & Talcher coalfield regions.

Weather Research and Forecast along with chemistry (WRF-Chem) model-derived surface and column integrated values of trace gases concentration in conjunction with the columnar data from Sentinel-5P satellite (TROPOMI) was utilized to map surface level satellite based concentrations of trace gases (NO₂ & SO₂) on daily basis and an interface was also developed to visualize and monitor particulate matter and trace gases.



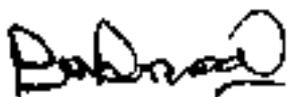
Addendum - II

To
The Board of Directors
Central Mine Planning & Design Institute Limited

CEO AND CFO CERTIFICATION

We, Manoj Kumar, Chairman-cum-Managing Director and P. K. Prasad, General Manager (Finance)/ CFO, responsible for the finance function certify that:

- a. We have reviewed financial statements and the cash flow statement for the year ended 31st March, 2023 and that to the best of our knowledge and belief:
 - i. These statements do not contain any materially untrue statement or omit any material fact or contain statements that might be misleading;
 - ii. These statements together present a true and fair view of the company's affairs and are in compliance with existing accounting standards, applicable laws and regulations.
- b. To the best of our knowledge and belief, no transaction entered into by the company during the year ended 31st March 2023 are fraudulent, illegal or violative of the company's code of conduct.
- c. We accept responsibility for establishing and maintaining internal controls for financial reporting and we have evaluated the effectiveness of internal control systems of the company pertaining to financial reporting and we have disclosed to the auditors and the Audit Committee, deficiencies in the design or operation of such internal controls, if any, of which they are aware and the steps they have taken or proposed to take to rectify these deficiencies.
- d. We have indicated to the auditors and the Audit Committee,
 - i. There have not been any significant changes in internal control over financial reporting during the Year ended 31st March 2023,
 - ii. There have not been any significant changes in accounting policies during the year ended 31 March 2023 and
 - iii. We are not aware of any instance of significant fraud with involvement therein of the management or an employee having a significant role in the company's internal control system over financial reporting.



(P. K. Prasad)
General Manager (F)



(Manoj Kumar)
Chairman-cum-Managing Director

Addendum - III

Mehta & Mehta

COMPANY SECRETARIES

INFINITY BENCHMARK, 18TH FLOOR, ROOM NO. 105, STREET NO. 25, GP BLOCK, SECTOR-5,
BIDHANNAGAR, KOLKATA- 700091
Tel: +91 9867771580 • Email: taveena@mehta-mehta.com • Visit Us: www.mehta-mehta.com

CORPORATE GOVERNANCE COMPLIANCE CERTIFICATE

CIN of the Company: U14292JH1975GOI001223

Nominal Capital: Rs. 150,00,00,000 (Rupees One Hundred Fifty Crores Only)

Paid up Capital: Rs. 142,80,00,000 (Rupees One Hundred Forty Two Crores Eighty Lakhs Only)

To,
**The Members,
Central Mine Planning & Design Institute Limited
Gondwana Place, Kanke Road
Ranchi – 834031**

We have examined the compliance conditions of Corporate Governance of Central Mine Planning & Design Institute Limited (the "Company") for the year ended on 31st March, 2023, as stipulated in the Department of Public Enterprises (DPE) Guidelines 2010 on Corporate Governance for Central Public Sector Enterprises.

Our examination has been summarized as follows:-

1. The Compliance with the conditions of Corporate Governance is the responsibility for management. Our examination is in accordance with the Corporate Governance (Modules of Best Practices) issued by the Institute of Company Secretaries of India and Corporate Governance guidelines referred under Department of Public Enterprises Guidelines 2010 and was limited to procedures and implementation thereof, adopted by the Company for ensuring the compliance of the conditions of Corporate Governance.

It is neither an audit nor an expression of opinion on the Financial Statements of the Company. We have obtained all the information and explanations, which to the best of our knowledge and belief, were necessary for the purpose of certification and have been provided with such records, documents, certificates, etc. as had been required by us.

2. In our opinion and to the best of our information and according to the explanations given to us and the representations made by the Directors and the Management, we certify that the Company has taken steps for reviewing the Compliance of laws and the standards issued for ensuring good governance practices, in line with the provisions of the Companies Act, 2013 and the various modules and standards issued by The Institute of Company Secretaries of India in this regard.

1. BOARD OF DIRECTORS

The business of the company is managed by the Board of Directors. The president determines, from time to time, the number of Directors of the company. The Directors are not required to hold any qualification shares. The Chairman, Functional Directors, Part-time official Directors and Non-official



Mehta & Mehta

COMPANY SECRETARIES

INFINITY BENCHMARK, 11TH FLOOR, ROOM NO. 105, STREET NO. 25, OFFBLOCK, SECTOR 5,

BIDHANNAGAR, KOLKATA - 700091.

part-time Directors are appointed by the President of India and they are paid salary, allowances, sitting fees etc. as determined by the President of India subject to provisions of the Companies Act, 2013 and terms and condition of appointment order.

(A) SIZE OF THE BOARD:

In terms of the Article of Association of the company, strength of the Board shall not be less than 2 Directors and not more than 15 Directors. These Directors may be Whole Time Directors / Functional Directors or Part-Time Directors/Independent Directors.

(B) COMPOSITION OF THE BOARD OF DIRECTORS CATEGORY WISE:

As on 31st March, 2023, the Board of Directors of CMPDIL comprises of 7 (seven) Directors out of which five are Whole-time Directors including the Chairman-cum-Managing Director and two are part time official Directors. The Board is headed by an Executive Chairman, Shri Manoj Kumar. There are no Independent Directors on the Board of the company. *Five Independent Directors including one woman Director are yet to be appointed* by the Ministry of Coal, Govt. of India after the cessation of office of the Independent Directors appointed earlier. As such the guidelines on Corporate Governance in respect of composition of Board could be followed only on appointment of the Independent Directors.

The composition of Board of Directors as on 31st March, 2023 is as follows:

I. WHOLE-TIME DIRECTORS

A. CHAIRMAN-CUM-MANAGING DIRECTOR

1. SHRI MANOJ KUMAR

B. FUNCTIONAL DIRECTORS

1. SHRI RABINDRA NATH JHA
2. SHRI SATENDRA KUMAR GOMASTA
3. SHRI SHANKAR NAGACHARI
4. SHRI AJAY KUMAR

II. PART-TIME OFFICIAL DIRECTORS

1. Dr. B. VEERA REDDY
2. SHRI MANOJ KUMAR GUPTA*

[*Form DIR 12 for cessation of Mr. Mukesh Choudhary was duly filed by the Company but the same has not been processed from ROC, for this management has issued requisite letters to ROC for resolving the issue and because of which Form DIR 12 for Appointment of Shri Manoj Kumar Gupta is not getting filed.]



Mehita & Mehita

COMPANY SECRETARIES

INFINITY BENCHMARK, 11TH FLOOR, ROOM NO. 1001, STREET NO. 26, OFF BLOCK, SECTOR 5,
BEHANNAGAR, KOLKATA - 700091

III. PERMANENT INVITEE: saurena@mehita-mehita.com • Visit Us: www.mehita-mehita.com

1. SHRI AJITESH KUMAR

(C) NUMBER OF BOARD MEETINGS HELD AND DATES ON WHICH HELD:

The Board of Directors is the supreme body of the company which oversees the overall function of the company. 10 (Ten) Board meetings were held during the financial year 2022-23.

Sl No.	No. of Meeting	Date	Day	Place of Meeting
1	257 th	10.05.2022	Tuesday	CMPDIL, Ranchi
2	258 th	17.06.2022	Friday	CMPDIL, Ranchi
3	259 th	08.07.2022	Friday	New Delhi
4	260 th	28.07.2022	Thursday	CMPDIL, Ranchi
5	261 st	22.09.2022	Thursday	CMPDIL, Ranchi
6	262 nd	15.10.2022	Saturday	New Delhi
7	263 rd	04.11.2022	Friday	CMPDIL, Ranchi
8	264 th	29.11.2022	Tuesday	CMPDIL, Ranchi
9	265 th	24.01.2023	Tuesday	CMPDIL, Ranchi
10	266 th	17.03.2023	Friday	CMPDIL, Ranchi

2. A. AUDIT COMMITTEE:

The primary function of the Audit Committee is to assist the Board of Directors in fulfilling its oversight responsibilities by reviewing the financial report; the Company's system of internal control regarding finance, Accounting and the Company's auditing, accounting and financial reporting process generally.

The Audit Committee reviews reports of the Internal Auditors, meets Statutory Auditors and discusses their findings, suggestions and other related matters and reviews major accounting policies followed by the Company.

B. TERMS OF REFERENCE:

The terms of reference of the Audit Committee are in accordance with Section 177 of the Companies Act, 2013 and in accordance with the guidelines on Corporate Governance of CPSEs issued by the Ministry of Heavy Industries and Public Enterprises, Department of Public Enterprises.

The Terms of reference of Audit Committee will cover all commercial aspects of the organization inter-alia:

- Review of financial statement before submission to the Board.
- Periodical review of internal control system.
- Review of Government audit and Statutory Auditor's report.



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COMPANY SECRETARIES

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iv. Review of operational performance vis-à-vis standard parameters. www.mehita-mehita.com

v. Review of projects and other capital scheme.

vi. Review of internal audit findings/ observations.

vii. Development of a commensurate and effective Internal Audit function.

viii. Special studies/investigation of any matter including issues referred by the Board.

C. SCOPE OF AUDIT COMMITTEE:

The Scope / Role of Audit Committee are as follows:

1. Overseeing of the company's financial reporting process and the disclosure of its financial information to ensure that the financial statement is correct, sufficient and credible.
2. Recommending to the Board the fixation of audit fees.
3. Approval of payment to Statutory Auditors for any other services rendered by the Statutory Auditors.
4. Reviewing, with the Management, the Annual Financial Statements before submission to the Board for approval, with particular reference to:
 - a. Matters required being included in the Directors' Responsibility Statement to be included in Boards report in terms of Section 134(3) and 134(5) of the Companies Act, 2013.
 - b. Changes, if any, in accounting policies and practices and reasons for the same;
 - c. Major accounting entries involving estimates based on the exercise of judgment by management;
 - d. Significant adjustments made in the financial statement arising out of audit findings;
 - e. Compliance with legal requirements (applicable laws, regulation and Company policies) relating to Financial Statements;
 - f. Disclosure of any related party transactions; and
 - g. Qualifications in the draft audit report.
5. Reviewing with the Management, the Quarterly Financial Statements before submission to the Board for approval.
6. Reviewing with the Management, performance of Internal Auditors and adequacy of the internal control systems.



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COMPANY SECRETARIES

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7. Reviewing the adequacy of internal audit function, if any including the structure of the internal audit department, staffing and seniority of the official heading the department, reporting structure coverage and frequency of internal audit.
8. Discussion with Internal Auditor and / or Auditors any significant findings and follow up thereon.
9. Reviewing the findings of any internal investigations by the Internal Auditors / Auditors / agencies into matters where there is suspected fraud or irregularity or a failure of internal control system of a material nature and reporting the matter to the Board.
10. Discussion with Statutory Auditors before the audit commences, about the nature and scope of audit as well as post-audit discussion to ascertain any area of concern.
11. Reviewing the functioning of the Whistle Blower Mechanism.
12. Reviewing the follow up action on the audit observations of the C&AG audit.
13. Providing an open avenue of communication between the Independent Auditor, Internal Auditor and the Board of Directors.
14. Reviewing and approving all related party transactions in the company. For this purpose, the Audit Committee may designate a member who shall be responsible for reviewing related party transactions as contained in the Accounting Standard 18 issued by the Institute of Chartered Accountants of India.
15. Reviewing with the Independent Auditor the co-ordination of audit efforts to assure completeness of coverage, reduction of redundant efforts, and the effective use of all audit resources.
16. Reviewing with the Independent Auditors the adequacy of internal controls including computerized Information System Controls and security, and related findings and recommendations of the Independent Auditor and Internal Auditor, together with the management responses.
17. Consider and review with the management, Internal Auditor and Independent Auditor, the significant findings during the year including the status of previous audit recommendations and any difficulties encountered during audit work including any restrictions on the scope of activities or access to required information.
18. To look into the reasons for substantial defaults in the payment to the depositors, debenture holders, shareholders (in case of non- payment of declared dividends) and creditors.
19. To review the follow up action taken on the recommendations of Committee on Public Undertakings (COPU) of the Parliament.
20. Carrying out any other function as mentioned in the terms of reference of the Audit Committee.

D. POWERS OF THE AUDIT COMMITTEE:

The Audit Committee shall have powers commensurate with its role including the following:



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1. To investigate any activity within its terms of reference. www.mamta.mehta.com • Visit Us: www.mamta.mehta.com

2. To seek information from any employee.
3. To obtain outside legal or other professional advice.
4. To secure attendance of outsiders with relevant expertise, if considered necessary.
5. To protect whistle blowers.
6. To mitigate conflicts of interest by strengthening Auditors independent.
7. To ensure the effectiveness of internal controls and risk management.

E. REVIEW OF INFORMATION BY AUDIT COMMITTEE:

The Audit Committee shall review the following information:

- i. Management discussion and analysis of financial condition and results of operations;
- ii. Statement of related party transactions submitted by management;
- iii. Management letters / letters of internal control weaknesses issued by the Statutory Auditors;
- iv. Internal Audit reports relating to internal control weaknesses;
- v. The appointment and removal of the Chief Internal Auditor shall be placed before the audit Committee; and
- vi. Certification / declaration of financial statements by the Chief Executive / Chief Finance Officer.

E. COMPOSITION:

The Board reconstituted the Audit Committee of CMPDIL in its 266th Board meeting held on 17.03.2023. As on 31st March, 2023 the Audit Committee consists of following members and is headed by Official part-time Director:

Sl No.	Name of Director	Status	Designation in Company
1	Dr. B. Veera Reddy	Chairman	Official part-time Director
2	Shri S.K Gomasta	Member	Functional Director
3	Shri Shankar Nagachari	Member	Functional Director
4	Shri Manoj Kumar Gupta	Member	Official part-time Director

*Shri Manoj Kumar Gupta was appointed as Member on 27th March, 2023

HoD (JAD) and Statutory Auditors are invited to the Audit Committee Meeting. CFO is the Permanent Invitee and Company Secretary is the Secretary to the Committee. Senior functional executives are also invited as and when required to provide necessary clarification to the Committee.



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COMPANY SECRETARIES

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Internal Audit Department provides necessary support for holding and conducting the Audit Committee Meeting.

G. DETAILS OF AUDIT COMMITTEE MEETINGS HELD IN F.Y. 2022-23:

7 (Seven) meetings were held during the financial year 2022-23 on:-

10.05.2022, 08.07.2022, 28.07.2022, 22.09.2022, 04.11.2022, 24.01.2023 and 17.03.2023

3. NOMINATION AND REMUNERATION COMMITTEE

The Board constituted the Nomination & Remuneration Committee of CMPDIL in its 191st Board Meeting held on 30.12.2015 in order to follow the best practice of Corporate Governance and to comply with the guidelines of Corporate Governance and the listing agreement entered into by Coal India Limited with Stock Exchanges.

A. COMPOSITION

The Board reconstituted the Nomination & Remuneration Committee of CMPDIL in its 234th Board meeting held on 09.06.2020 consists of following members and is headed by a Non-official part-time Director (Independent Director):

Sl No.	Name of Director	Status	Designation
1.	Smt. Alka Panda	Chairperson	Independent Director
2.	Dr. Krishna Chandra Pandey	Member	Independent Director
3.	Shri Pramod Singh Chasahan	Member	Independent Director
4.	Shri Mukesh Choudhary	Member	Official part-Time Director
5.	Shri S.K. Gomasta	Permanent Invitee	Functional Director

Company Secretary will act as Secretary to this Committee and HoD (P&A) would be the Nodal Officer of the Committee providing all services to the Committee. Among the above members all others ceased from directorship except Shri S.K. Gomasta, permanent invitee. No new member has been appointed till date.

B. DETAILS OF NOMINATION & REMUNERATION COMMITTEE MEETINGS HELD IN F.Y. 2022-23:

No meeting was held during the financial year 2022-23.

4. CSR COMMITTEE

Corporate Social Responsibility (CSR) and Sustainability is a company's commitment to its stakeholders to conduct business in an economically, socially and environmentally sustainable manner that is transparent and ethical. Stakeholders include employees, investors, shareholders, customers.



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COMPANY SECRETARIES

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business partner, clients, civil society groups, Government and non-governmental organizations, local communities, environment and society at large.

Each CPSEs is required to have a Board level committee headed by either the Chairman and/or Managing Director or an independent Director to oversee the implementation of the CSR and sustainability policies of the company and to assist the Board of Directors to formulate suitable policies and strategies to take these agenda of the company forward in the desired direction as per the guidelines issued by DPE w.e.f. 01.04.2013. In terms of the guidelines, CSR & sustainability has been included as a compulsory element under non-financial parameters in MoU.

In line with the guidelines, the Board constituted the CSR Committee in its 172nd meeting held on 10.05.2013.

A. COMPOSITION:

As on 31st March, 2023 the CSR Committee consists of following members and is headed by Functional Director:

1. Shri R.N. Jha Chairman, Functional Director
2. Shri Ajay Kumar Member Functional Director
3. Shri Shankar Nagachari Member Functional Director

Company Secretary will act as Secretary to this Committee and General Manager (HRD/CSR) is the Nodal Officer of the Committee providing all services to the CSR Committee.

B. DETAILS OF CSR COMMITTEE MEETINGS HELD IN F.Y. 2022-23:

5 (Five) meetings were held during the financial year 2022-23 on 17.06.2022, 14.09.2022, 15.10.2022, 23.01.2023 and 17.03.2023

5. RISK MANAGEMENT COMMITTEE

Risk Management Committee was constituted by CMPDIL Board of Directors in its 192nd Board Meeting held on 02.02.2016 and reconstituted by the Board in its 266th Board Meeting held on 17.03.2023.

A. Composition:

The Risk Management committee consists of following members and is headed by a Functional Director:

1. Shri S.K. Gomasta- Chairman, Functional Director
2. Shri Ajay Kumar- Member, Functional Director
3. Shri Shankar Nagachari- Member, Functional Director



Company Secretary will act as Secretary to this Committee and General Manager (E&M) would be the Nodal Officer of the Committee providing all services to the Committee.

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COMPANY SECRETARIES

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B. DETAILS OF RISK MANAGEMENT COMMITTEE MEETING HELD IN F.Y. 2022-23:

1 (One) meeting was held during the financial year 2022-23 on 27.03.2023.

6. INDEPENDENT DIRECTORS MEETING:

A. Composition:

The Independent Director meeting consists of following members and is headed by a Non-official parttime Director:

1. Smt. Alka Panda, Chairperson Independent Director
2. Dr. Krishna Chandra Pandey, Member Independent Director
3. Shri Pramod Singh Chauhan, Member Independent Director

B. AS PER THE COMPANIES ACT, 2013, INDEPENDENT DIRECTORS ARE REQUIRED TO HOLD AT LEAST ONE MEETING IN A YEAR TO DISCUSS THE FOLLOWING:

- a. Review the performance of non-independent directors and the Board as a whole.
- b. Review the performance of the Chairperson of the company taking into account the views of Executive Directors and Non-executive Directors.
- c. Assess the quality, quantity and timeliness of flow of information between the company management and the Board that is necessary for the Board to effectively and reasonably perform their duties.

C. DETAILS OF INDEPENDENT DIRECTOR MEETING HELD IN F.Y. 2022-23:

1 meeting of Independent Directors was held during the financial year 2022-23 on 08.07.2022

For Mehta and Mehta

Company Secretary



Raveena Dugar Agarwal

ACS No.: A51836

C.P.No.: 26055



Independent Auditor's Report

To
The Members
Central Mine Planning & Design Institute Limited

Report on the Audit of Ind AS Financial Statements

Opinion

We have audited the accompanying Ind AS financial statements of **Central Mine Planning & Design Institute Limited** ("the Company"), which comprise the balance sheet as at 31st March 2023, and the statement of Profit and Loss (including Other Comprehensive Income), statement of changes in equity and statement of cash flows for the year then ended, and notes to the Ind AS financial statements, including a summary of significant accounting policies and other explanatory information (hereinafter referred to as "Ind AS financial statements")

In our opinion and to the best of our information and according to the explanations given to us, and based on the consideration of reports of the other auditors, the aforesaid Ind AS financial statements give the information required by the Act in the manner so required and give true and fair view in conformity with the accounting principles generally accepted in India, including the Ind AS, of the financial position of the company as at 31st March, 2023 and its financial performance including other comprehensive income, its cash flow and the statement of changes in equity for the year ended on that date.

Basis for Opinion

We conducted our audit of the IND AS financial statements in accordance with the Standards on Auditing (SAs) specified under section 143(10) of the Companies Act, 2013. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Ind AS Financial Statements section of our report. We are independent of the Company in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India together with the ethical requirements that are relevant to our audit of the Ind AS financial statements under the provisions of the Companies Act, 2013 and the Rules thereunder, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on the Ind AS financial statements.

Emphasis of Matters

We draw attention to the following matters:



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- a) Balances of Loans (Note No 8), other financial assets (Note No 9), other current assets (Note No 11), other non-current assets (Note No 10), trade payables (Note No 19), trade receivables (Note No 13), other financial liabilities (Note No 20) and other current liabilities (Note No 23) have not been confirmed in most of the cases. They also include old balances lying since last several years pending for final adjustment/square-up in the books of accounts. Consequential impact on confirmation / reconciliation/ adjustment of such balances, if any, are not currently ascertainable.

Our opinion is not modified in respect of this matter.

Key Audit Matters

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the Ind AS financial statements of the current period. These matters were addressed in the context of our audit of the Ind AS financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters. We have determined the matters described below to be the key audit matters to be communicated in our report.

S. No	Key Audit Matters	Auditor's Response
1	<p>Assessment of contingent liabilities & its provisions in respect of certain litigations including direct and indirect taxes, various claims filed by other parties not acknowledged as debt.</p> <p>A high level of judgment is required in estimating the level of provisioning. The company's assessment is supported by the facts of matter, their own judgment, past experience, and advice from legal and independent tax consultant wherever considered necessary. Accordingly, unexpected adverse outcomes may significantly impact the company's reported profit and net assets. Associated uncertainty relating to the outcome requires application of judgment in interpretation of law.</p>	<p>Principal Audit Procedures:</p> <p>Our audit was focused on analyzing the facts of subject matter under consideration and judgments/ interpretation of relevant law.</p> <ul style="list-style-type: none"> • Obtaining List of contingent liabilities including direct tax/indirect tax/various claims filed by other parties. • Examining on test check basis, the recent orders and/or communication received from various Tax authorities/ judicial forums and follow up action thereon. • Understanding the current status of the litigation/ assessments





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	<p>Refer Note 38 para 4(a) to the Ind AS Financial Statements.</p>	<ul style="list-style-type: none"> • Evaluating the merit of the subject matter under consideration with reference to the grounds presented therein and available independent legal / tax advice • Review and analysis of the contentions of the company through discussion, collection of details of the subject matter under consideration, the likely outcome and consequent potential outflows on those issues. <p>Audit Conclusion:</p> <p>Our procedures did not identify any material exceptions.</p>
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Information Other than the Ind AS Financial Statements and Auditor’s Report Thereon

The Company’s management and Board of Directors are responsible for the other information. The other information comprises the information included in the Management Discussion and Analysis, Board’s Report including Annexure to Board’s Report, Business Responsibility Report, Corporate Governance and Shareholder’s Information, but does not include the Ind AS financial statements and our auditor’s report thereon.

Our opinion on the Ind AS financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the Ind AS financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the Ind AS financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated.

If, based on the work we have performed, we conclude that there is a material misstatement of this other information; we are required to report that fact. As the Other Information has not been provided to us, we have nothing to report in this regard.

When we read the Annual report, which is expected to be made available to us after the date of this auditors’ report, if we conclude that there is a material misstatement therein, we are required to communicate the matter to those charged with governance.



Responsibility of Management for the Ind AS financial statements

The Company's Board of Directors is responsible for the matters stated in section 134(5) of the Companies Act, 2013 ("the Act") with respect to the preparation of these Ind AS financial statements that give a true and fair view of the financial position, financial performance, including other comprehensive income and cash flows and changes in equity of the Company in accordance with the accounting principles generally accepted in India, including the Indian Accounting Standards (Ind AS) specified under section 133 of the Act, read with relevant rules issued thereunder. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding of the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate implementation and maintenance of accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the Ind AS financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the Ind AS financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

The Board of Directors are also responsible for overseeing the company's financial reporting process.

Auditor's Responsibility for the Audit of the Ind AS Financial Statements

Our objectives are to obtain reasonable assurance about whether the Ind AS financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these Ind AS financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the Ind AS financial statements whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our



The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal financial controls relevant to the audit in order to design audit procedures that are appropriate in the circumstances. Under section 143(3)(i) of the Act, we are also responsible for expressing our opinion on whether the Company has adequate internal financial controls system in place and the operating effectiveness of such controls.

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the Ind AS financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.

Evaluate the overall presentation, structure and content of the Ind AS financial statements, including the disclosures, and whether the Ind AS financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

Materiality is the magnitude of misstatements in the Ind AS financial statements that, individually or in aggregate, makes it probable that the economic decisions of a reasonably knowledgeable user of the Ind AS financial statements may be influenced. We consider quantitative materiality and qualitative factors in (i) planning the scope of our audit work and in evaluating the results of our work; and (ii) to evaluate the effect of any identified misstatements in the Ind AS financial statements.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine the matters that were of most significance in the audit of the Ind AS financial statements current period and are therefore the key audit matters. We describe these matters



auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

Other Matter

- a) Contingent liability of Rs. 202.39 Crores (P.Y. Rs. 173.74 Crores) includes disputed demands raised by various departments of the Central Government (Income Tax, Service Tax etc.). This amount consists of principal, interest and penalty as raised up to the date of the latest demand order. The interest and penalty for the period from the latest date of demand order to date of Balance Sheet has neither been calculated nor included in contingent liability. Consequential impact over total amount of contingent liability is currently not ascertainable (Note No 38 refer para 4(a) to the Ind AS financial statements.)

Further, it also includes legal cases against the company pending before various judicial forums (Supreme court, High court, arbitrators etc.) against which claims has been raised by various third parties. In the absence of details of amount of claims, as raised by the third parties, made available by the management, consequential impact over the total amount of contingent liability if those cases are decided not in favor of the Company is currently not ascertainable (Note No 38 refer para 4(a) to the Ind AS financial statements.

- b) It was observed that debtors include old outstanding balances of Rs. 82.86 Cr. (P. Y. Rs. 67.11 Cr.) against CIL subsidiaries, pending for realization for more than 1 year. As per circular no CIL/DT/2021/3093 issued by CIL; i) Payment of 70% of basic amount of bill value and 18% GST (i.e., total 75% of total bill value) thereon to be paid by subsidiaries to CMPDI within 15 days of receipt of bill; ii) Bill reconciliation in future shall be through a portal and CMPDI shall intimate the action on portal and communicate with subsidiaries; iii) Outstanding bills for more than one year shall be reviewed jointly by the CMPDI and the concerned subsidiary. However, during the course of our audit it was observed that the bills raised to subsidiaries are not being recovered as per the above-mentioned circular issued by CIL. Consequential impact on confirmation / reconciliation/ adjustment of such balances, if any, are not currently ascertainable.

Our Opinion is not modified with regard to above

Report on Other Legal and Regulatory Requirements

1. As required under section 143(5) of the Companies Act 2013, we give in the "Annexure A", a statement on the Directions/Additional Directions issued by the Comptroller and Auditor General of India after complying the suggested methodology of Audit



action taken thereon and its impact on the accounts and the Ind AS financial statements of the Company.

2. As required by the Companies (Auditor's Report) Order, 2020 ("the Order") issued by the Central Government of India in terms of Section 143(11) of the Act, we give in "Annexure B" a statement on the matters specified in paragraphs 3 and 4 of the Order to the extent applicable.
3. As required by Section 143(3) of the Act, we report that:
 - a. We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit of the aforesaid Ind AS financial statements read with as reported in clause (a) of the "Emphasis of Matters" paragraph above.
 - b. In our opinion proper books of account as required by law relating to preparation of the aforesaid Ind AS financial statements have been kept by the Company so far as appears from our examination of those books.
 - c. The Balance Sheet, the Statement of Profit and Loss including Other Comprehensive Income, the Cash Flow Statement and the Statement of Change in Equity dealt with by this Report are in agreement with the books of accounts.
 - d. In our opinion, we don't have any observation which has an adverse impact on functioning of the Company.
 - e. In our opinion, the aforesaid Ind AS financial statements comply with the Ind AS specified under section 133 of the Act read with relevant Rule issued thereunder.;
 - f. In pursuance of the Notification No. G.S.R.463(E) dated 05.06.2015 issued by the Ministry of Corporate affairs, section 164(2) of the Act, pertaining to disqualification of Directors is not applicable to the Government company.
 - g. We don't have any qualification, reservation or adverse remark relating to the maintenance of accounts and the matters connected therewith.
 - h. With respect to the adequacy of the internal financial controls over financial reporting of the Company and the operating effectiveness of such controls, we refer to our separate Report in "Annexure C". Our report expresses



unmodified opinion on the adequacy and operating effectiveness of the Company's internal financial controls over financial reporting.

- i. With respect to the other matters to be included in the Auditor's Report in accordance with Rule 11 of the Companies (Audit and Auditors) Rules, 2014, as amended, in our opinion and to the best of our information and according to the explanations given to us:

- i. The company has disclosed its pending litigations under Additional Note 38 of the Ind AS financial statement. The impact, if any, of these litigations will be given effect to as and when the same are determined/settled.
- ii. The Company has made provisions as required under the applicable law or accounting standards, for material foreseeable losses if any, on long term contracts and the company did not have any derivative contracts.
- iii. As per the written representation received from the management, there were no amounts which were required to be transferred to the Investor Education and Protection Fund by the Company.

- iv. (a) The management has represented that, to the best of its knowledge and belief no funds have been advanced or loaned or invested (either from borrowed funds or share premium or any other sources or kind of funds) by the company to or in any other person or entity, including foreign entity ("intermediaries"), with the understanding, whether recorded in writing or otherwise, that the Intermediary shall, whether, directly or indirectly lend or invest in other persons or entities identified in any manner whatsoever by or on behalf of the company ("Ultimate Beneficiaries") or provide any guarantee, security or the like on behalf of the Ultimate Beneficiaries;

(b) The management has represented, that, to the best of its knowledge and belief no funds have been received by the company from any person or entity, including foreign entity ("Funding Parties"), with the understanding, whether recorded in writing or otherwise, the company shall, whether, directly or indirectly, lend or invest in other persons or entities identified in any manner whatsoever by or on behalf of the Funding Party ("Ultimate Beneficiaries") or provide any guarantee, security or the like on behalf of the Ultimate Beneficiaries;

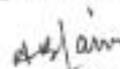
(c) Based on such audit procedures that have been considered reasonable and appropriate in the circumstances, nothing has come to our notice that has caused to believe that representations under sub-clause (i) and (ii) of Rule 11(e), as provided under (a) and (b) above contain any material misstatement.





- v. The dividend declared and paid during the year by the company is in compliance with section 123 of Companies Act 2013.

For K C Tak & Co.
Chartered Accountants
Firm's registration number: 000216C


CA Anil Jain
Partner

M No.: 079005

UDIN: 23079005BGYQBK2530



Place: Ranchi
Date: 02/05/2023



K C TAK & Co.
Chartered Accountants

Annexure "A" referred to in paragraph 1 of "Report on Other Legal and Regulatory Requirements" of Independent Auditor's Report on the Ind AS financial statements for the for the year ended March 31, 2023, we report that;

Part-I

S. No	Directions	Auditor's reply
1.	<p>Whether the company has system in place to process all the accounting transactions through IT systems?</p> <p>If yes, the implication of processing of accounting transactions outside IT systems on integrity of the accounts along with the financial implications, if any may be stated.</p>	<p>There is a system in place to process all the material accounting transaction and recording of all underlying business transactions is done in its SAP-ERP Software. Accordingly, there are no implications on the integrity of the accounts. The information/Data is flowing from various modules and captured in the financials through automation under SAP for the processes like Financial Accounting and Controlling (FICO), Sales and Distribution (S&D), Material Management (MM), Human Capital Management (HCM), Production Planning (PP), Project System (PS) and Plant Maintenance (PM).</p> <p>As per information and explanations given to us, Post completion of stabilization phase on 31st March 2022, the system is under AMC phase.</p> <p>During the course of our audit, it was observed that, following activities are performed, outside SAP:</p> <p>As explained to us, SAP integration of Biometric attendance is available but due to integration issue with NIC, presently the attendance is either being maintained manually or through Biometric system serving as source data which is finally captured in SAP.</p> <p>In respect of the activities performed outside SAP, as above, in our opinion there is no material financial implications.</p>
2.	<p>Whether there is any restructuring of an existing loan or cases of waiver / write-off of debts / loans / interest etc. made by a lender to the company due to the company's inability to repay the loan? If yes, the financial impact may be stated. Whether such cases are properly accounted for? (In case, lender is a government company,</p>	<p>As per information and explanations given to us, there is no case of any restructuring of an existing loan or cases of waiver / write-off of debts / loans / interest etc. made by a lender to the company due to the company's inability to repay the loan.</p>



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	<i>then this direction is also applicable for statutory auditor of lender company)</i>	
3.	<i>Whether funds received/receivable for specific schemes from central/state agencies were properly accounted for/utilized as per its terms and conditions? List the cases of deviation.</i>	<i>As per information and explanations given to us, the company has not received/no receivable any funds/grants except against detailed & promotional drilling, R&D & S&T and NMET as mentioned in clause 2 & 3 of Part-II - Additional directions (Annexure - 'A').</i>

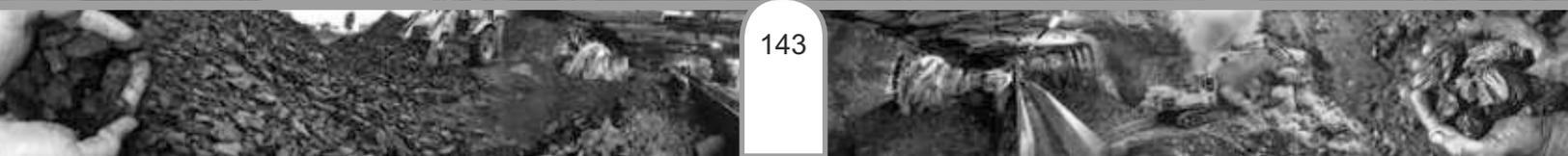
Part-II - Additional directions

S. No	Directions	Action taken & Auditor's reply
1.	<i>Whether any independent assessment and certification of migration process of data from Coalnet portal to SAP had been done.</i>	<i>As per information and explanations given to us, independent assessment and certification of migration process of data from Coalnet portal to SAP had not been done. As informed to us, the matter is taken up at CIL level.</i>
2.	<i>Whether exploration of blocks was completed in compliance of MOU and grant received for detailed and promotional drilling utilized and accounted properly. List the Cases of deviation.</i>	<i>As per information and explanations given to us, there is no MOU between CMPDI and MOC/CIL/NMET. CMPDI is the nodal agency for all information related to exploration of coal and lignite in the country. CMPDI undertake the activities of detailed and promotional drilling as per the project/blocks sanctioned/approved by MOC/CIL/NMET either by itself or through MECL and private parties through MOU and tenders. On the basis of our examination of the samples on test check basis, it was observed that exploration of blocks was completed in compliance of MOU and grant received for detailed and promotional drilling are being utilized and accounted for properly.</i>
3.	<i>Whether fund received for R&D and S&T were properly</i>	<i>As per the information and explanation provided to us, R&D and S&T projects are approved/sanctioned by the T</i>





<p>accounted for/utilized as per terms and condition? List the cases of deviations.</p>	<p><i>committee of MOC/CIL with certain terms and condition based on the proposal submitted by the implementing agency/institute to CMPDI. CMPDI makes an estimate of fund requirement for all the ongoing or new R&D/S&T projects and make a consolidated requisition from MOC/CIL. Once the fund is received, CMPDI disburse the fund to implementing agency/institute in various installments based on the progress of the projects. Once the project is complete and Project completion report is approved by the technical committee, implementing agency/institute submit the utilization certificate to CMPDI and refund the unspent amount of the fund received on such projects to CMPDI along with the interest earned on those funds.</i></p> <p><i>On the basis of our examination of the samples on test check basis, it was observed that the fund received for R&D and S&T were properly accounted for/utilized as per terms and condition.</i></p>
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Annexure – "B" referred to in paragraph 2 of "Report on Other Legal and Regulatory Requirements" of Independent Auditor's Report on the Ind AS financial statements for the for the year ended March 31, 2023, we report that;

- (i) a) (A) During the course of our audit, it was observed that the Company has generally maintained proper records of showing full particulars of Property plant and Equipment.
- (B) The company has maintained proper records showing full particulars of Intangible Assets.
- b) According to the information as given to us, the management has conducted the Physical verification of Fixed Assets as per CIL policy, at reasonable intervals by its duly constituted team for this purpose. As informed to us, no material discrepancies have been noticed on such verification.
- (c) According to the information and explanation given to us, the title deeds of all immovable properties (other than properties where the company is lessee and lease agreements are duly executed in favor of lease) disclosed in the financial statements are held in the name of the company.
- However, during the course of our audit, title deed of land holdings in respect of CMPDI RII (Asansol), could not be produced before us for our verification. Further, leasehold land at Kudumkela valued at Rs. 0.46 cr. shown under other land (Note No. 3) pending to be renewed from 1.2.2023. Although, the same has been approved in COFD meeting dated 20.03.2023 for renewal.*
- (d) According to the information & explanations as provided to us and as observed by us, no revaluation of Property, Plant and Equipment (including right to use assets) or intangible assets of both during the year has been carried out by the company.
- (e) According to the information & explanations as provided to us, no proceeding has been initiated or pending against the company for holding any benami property under the benami transactions (prohibition) act, 1988 (45 of 1988) and rules made thereunder.
- (ii) a) As per the policy of the company, physical verification of stores and spares is done at reasonable intervals by an external agency duly appointed by the company and a report for position of stock as on 31st Dec 2022 has been obtained by the company. In our opinion, the coverage and procedure of such verification by the management is appropriate; no discrepancies of 10% or more in the aggregate for each class of inventory were noticed on such verification.



(b) No working capital limit has been sanctioned to the Company during any point of time of the year from any Banks/ Financial Institutions.

- (iii) According to the information and explanations given to us, the Company has not made investment provided any guarantee or security or granted any loans or advances in the nature of loan, secured or unsecured, to companies, firms, Limited liability partnership or any other parties during the year.
- (iv) According to the information and explanations given to us, the Company has not granted loans, made investments, provided guarantees or security as defined in section 185 and 186 of Companies Act.
- (v) The Company has not accepted any deposit, in terms of the directives issued by the Reserve Bank of India and the provisions of Sections 73 to 76 or any other relevant provisions of the Companies Act and the rules framed there under. However, balances in respect of amount received in the course of, or for the purpose of the business of the Company as Earnest Money Deposits, Security Deposits and Advance Deposits from Customers / Others, the Company is of the view that these deposits do not come under the purview of the Companies (Acceptance of Deposits) Rules 2014.
- (vi) We have broadly reviewed the cost records maintained by the company as prescribed by the Central Government under section 148 (1) of the Companies Act, 2013 and are of the opinion that prima facie the prescribed accounts and records have been made and maintained. However, we have not made a detailed examination of the cost records with the view to determine whether they are accurate or complete.
- (vii) (a) According to the information and explanations given to us and on the basis of our examination of the records of the Company, amounts deducted/ accrued in the books of account in respect of undisputed statutory dues including Goods & Service Tax, provident fund, Employees State Insurance, income-tax, service tax, pension fund, professional tax and other material statutory dues generally have been regularly deposited during the year by the Company with the appropriate authorities.

According to the information and explanations given to us, no undisputed amounts payable in respect of Goods & Service Tax, provident fund, Employees State Insurance, income-tax, service tax pension fund, professional tax and other material statutory dues were in arrears as at 31 March 2023 for a period of more than six months from the date they became payable.



- (b) Statutory dues referred to in sub-clause (a) which have **not been deposited on account of any dispute**, the amounts involved and the forum where such dispute is pending is mentioned "**Appendix-1**".
- (viii) According to the information & explanations as provided to us, no transaction has been identified or reported by the tax authorities under tax assessments under the Income Tax Act, 1961 (43 of 1961) which requires to be surrendered or disclosed as income during the year.
- (ix) (a) The Company has not defaulted in repayment of any loans or other borrowings or in the payment of interest thereon.
- (b) According to the information & explanations as provided to us, the company has not been declared as wilful defaulter by any bank or financial institution or other lender.
- (c) According to the information & explanations as provided to us, no term loans were applied for the purpose for which the loans were obtained during the year.
- (d) According to the information & explanations as provided to us the company has not raised any fund on short term basis which have been utilized as long-term basis.
- (e) According to the information & explanations as provided to us, the Company has not taken any funds from any entity or person on account of or to meet the obligations of its subsidiaries, associates or joint ventures.
- (f) According to the information & explanations as provided to us, the company has not raised any loans during the year on the pledge of securities held in its subsidiaries, joint ventures or associate company.
- (x) (a) According to the information and explanations given to us and on the basis of books and records examined by us, the Company did not raise any money by way of initial public offer or further public offer (including debt instruments) during the year. Accordingly, paragraph 3 (x) para (a) of the Order is not applicable.
- (b) According to the information and explanations given to us and on the basis of books and records examined by us, the Company has not made any preferential allotment or private placement of shares or convertible debentures (Fully, partially or optionally convertible) during the year. Accordingly, paragraph 3 (x) para (b) of the Order is not applicable.
- (xi) (a) According to the information and explanations given to us, no material fraud by the Company and any fraud on the Company by its officers and employees has been noticed or reported during the year.



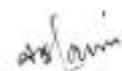
- (b) According to the information & explanations as provided to us, no report under sub-section (12) of section 143 of the Companies act has been filed by the auditors in form ADT-4 as prescribed under rule 13 of companies (audit and auditors) rules, 2014 with the central government.
- (c) As per the information & explanation provided to us, the company has not received any whistle- blower complaints.
- (xii) (a) In our opinion and according to the information and explanations given to us, the Company is not a Nidhi company. Accordingly, paragraph 3(xii) of the Order is not applicable.
- (b) In our opinion and according to the information and explanations given to us, the Company is not a Nidhi company. Accordingly, paragraph 3(xii) of the Order is not applicable.
- (c) In our opinion and according to the information and explanations given to us, the Company is not a Nidhi company. Accordingly, paragraph 3(xii) of the Order is not applicable.
- (xiii) According to the information and explanations given to us and based on our examination of the records of the company, transactions with the related parties are in compliance with Section 177 and Section 188 of the Companies Act, 2013 where applicable and details of such transactions have been disclosed in the financial statements as required by applicable accounting standards.
- (xiv) (a) In our opinion, and according to information and explanations given to us, the company has an internal audit system commensurate with the size and nature of its business;
- (b) Yes, the reports of the internal auditors for the period under audit were considered by us;
- (xv) According to the information and explanations given to us, the Company has not entered into non-cash transactions with directors or persons connected with him. Accordingly, paragraph 3(xv) of the Order is not applicable.
- (xvi) (a) The Company is not required to be registered under section 45-IA of the Reserve Bank of India Act 1934. Accordingly, Clause 3(xvi) of the order is not applicable.



- (b) According to the information & explanations as provided to us, the Company has not conducted any non-banking or housing finance activities.
- (c) The company is not a Core investment Company (CIC) as defined in the regulations made by the Reserve Bank of India.
- (d) The company is not a Core investment Company (CIC) as defined in the regulations made by the Reserve Bank of India neither it has more than one CIC.
- (xvii) According to the information & explanations as provided to us, the Company has not incurred any cash losses in the financial year and in the immediately preceding financial year.
- (xviii) According to the information & explanations as provided to us, there is no resignation of the statutory auditors during the year.
- (xix) In our opinion, and according to information and explanations given to us, and on the basis of the financial ratios, ageing and expected dates of realization of financial assets and payment of financial liabilities, other information accompanying the financial statements, no material uncertainty exist as on the date of the audit report that company is not capable of meeting its liabilities existing at the date of balance sheet as and when they fall due within a period of one year from the balance sheet date;
- (xx) (a) In respect of ongoing project or other than ongoing projects, the company did not have any balance of unspent amount required to be transferred to a fund specified in schedule VII to the Companies Act, 2013 within a period of six months of the expiry of the financial year in compliance with second proviso to sub-section (5) of section 135 of the said act;
- (xxi) This clause is not applicable.

For K C Tak & Co.
Chartered Accountants
Firm's registration number: 000216C

Place: Ranchi
Date: 02/05/2023


CA Anil Jain
Partner
M No.: 079005
UDIN: 230790058GYQBN



Annexure – "C" referred to in paragraph 3(h) of "Report on Other Legal and Regulatory Requirements" of Independent Auditor's Report on the Ind AS financial statements for the for the year ended March 31, 2023, we report that;

Report on the Internal Financial Controls Over Financial Reporting under Clause (i) of Subsection 3 of Section 143 of the Companies Act, 2013 ("the Act")

We have audited the internal financial controls over financial reporting of 'Central Mine Planning & Design Institute Limited' ("the Company") as of 31 March 2023 in conjunction with our audit of the Ind AS financial statements of the Company for the year ended on that date.

Management's Responsibility for Internal Financial Controls

The Company's management is responsible for establishing and maintaining internal financial controls based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting issued by the Institute of Chartered Accountants of India ('ICAI'). These responsibilities include the design, implementation and maintenance of adequate internal financial controls that were operating effectively for ensuring the orderly and efficient conduct of its business, including adherence to company's policies, the safeguarding of its assets, the prevention and detection of frauds and errors, the accuracy and completeness of the accounting records, and the timely preparation of reliable financial information, as required under the Companies Act, 2013.

Auditors' Responsibility

Our responsibility is to express an opinion on the Company's internal financial controls over financial reporting based on our audit. We conducted our audit in accordance with the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting (the "Guidance Note") and the Standards on Auditing, issued by ICAI and deemed to be prescribed under section 143(10) of the Companies Act, 2013, to the extent applicable to an audit of internal financial controls, both applicable to an audit of Internal Financial Controls and, both issued by the Institute of Chartered Accountants of India. Those Standards and the Guidance Note require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether adequate internal financial controls over financial reporting was established and maintained and if such controls operated effectively in all material respects.

Our audit involves performing procedures to obtain audit evidence about the adequacy of the internal financial controls system over financial reporting and their operating effectiveness. Our audit of internal financial controls over financial reporting included obtaining an understanding of internal financial controls over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. The procedures selected depend on



auditor's judgment, including the assessment of the risks of material misstatement of the Ind AS financial statements, whether due to fraud or error.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the Company's internal financial controls system over financial reporting.

Meaning of Internal Financial Controls Over Financial Reporting

A company's internal financial control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of Ind AS financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal financial control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of Ind AS financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the Ind AS financial statements.

Inherent Limitations of Internal Financial Controls Over Financial Reporting

Because of the inherent limitations of internal financial controls over financial reporting, including the possibility of collusion or improper management override of controls, material misstatements due to error or fraud may occur and not be detected. Also, projections of any evaluation of the internal financial controls over financial reporting to future periods are subject to the risk that the internal financial control over financial reporting may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Opinion

In our opinion, to the best of our information and according to the explanations given to us, the Company has, in all material respects, an adequate internal financial controls system over financial reporting and such internal financial controls over financial reporting were operating effectively as at 31st March 2023, based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control as stated in the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting issued by the Institute of Chartered Accountants of India.



K C TAK & Co.
CHARTERED ACCOUNTANTS

However, further improvement is required in i) the documentation of Internal Financial Controls of the Company in respect of its risk assessment process, risk analysis of different functional areas and incorporating the process flows at departmental levels including risk mitigation in respect of insurance coverage, ii) strengthening of the monitoring of controls in respect of misc. expenses, iii) confirmation/ reconciliation/adjustment of other financial assets, other current & non-current assets, trade payables & receivables, other financial liabilities and other current and non-current liabilities. iv) Control over capturing & recording of attendance of employees.

Our opinion is not qualified in respect of the above matters.

For K C Tak & Co.
Chartered Accountants
Firm's registration number: 000216C

Place: Ranchi
Date: 02/05/2023

Anil Jain
CA Anil Jain
Partner
M No.: 079005
UDIN: 23079005BGYQBK2530



Appendix- "1" referred to in clause vii to Annexure - "B" referred to in paragraph 2 of "Report on Other Legal and Regulatory Requirements" of independent Auditor's Report on the Ind AS financial statements for the for the year ended March 31, 2023.

DETAILS OF DISPUTED STATUTORY LIABILITIES AS ON 31.03.2023

Nature of the Statute	Nature of Dues	Forum where dispute is pending	Pending period to which the amount relates	Amount (Rs. in Crores)	Amount Paid under protest (Rs. in Crores)
Income Tax Act, 1961	Disallowances of prior period expenses	CIT(A)	A.Y. 2010-2011	1.05	0.59
Income Tax Act, 1961	Disallowances of CSR, Medical Expenses and profit from sale of asset	CIT(A)	A.Y. 2012-2013	0.33	-
Income Tax Act, 1961	Disallowances of Medical expenses grants to School & Institutions, Sports & Recreation and Environment & Tree Plantation	CIT(A)	A.Y. 2016-2017	1.19	0.76
Income Tax Act, 1961	Disallowance of CSR, Provision for NCWA, Medical expenses, grants, canteen, creche and other employee benefits	CIT(A)	A.Y. 2017-2018	31.67	25.11
Income Tax Act, 1961	Disallowances of employee benefits expenses like NCWA, Executive pay revision, Medical Expenses, grants to school & institutions, sports & recreation.	CIT(A)	A.Y. 2018-2019	55.02	16.01
Income Tax Act, 1961	Disallowances of subscription to club, funds and provision for gratuity.	CIT(A)	A.Y. 2019-2020	0.02	-
Income Tax Act, 1961	Disallowances of contingent, funds and provision for gratuity.	CIT(A)	A.Y. 2020-2021	25.69	19.13
Income Tax Act, 1961	Disallowances of Bonus or commission, leave encashment, gratuity, expense u/s 43b contribution to PF & depreciation.	CIT(A)	A.Y. 2021-2022	7.38	5.73
Service Tax Act	Demand of arrears of service tax interest and penalty	Jharkhand High Court	A.Y. 1990-2005	5.05	5.05
Service Tax Act	Demand of Service Tax	Jharkhand High Court	A.Y. 1998-1999	3.82	-
Service Tax Act	Demand of Service Tax and penalty	CESTAT	A.Y. 2013-14 to 2017-18	60.16	2.26





Management Reply to The Independent Auditors Report for the year ended 31st March, 2023

EMPHASIS OF MATTER	MANAGEMENT COMMENT
<p>a) Balances of Loans (Note No 8), other financial assets (Note No 9), other current assets (Note No 11), other non-current assets (Note No 10), trade payables (Note No 19), trade receivables (Note No 13), other financial liabilities (Note No 20) and other current liabilities (Note No 23) have not been confirmed in most of the cases. They also include old balances lying since last several years pending for final adjustment/square-up in the books of accounts. Consequential impact on confirmation / reconciliation/ adjustment of such balances, if any, are not currently ascertainable</p>	<p>In case of Note 8, the amount of Rs 6 lakh represent interest on HBA/car loan given to two employees for which recovery is already going on. The principal amount has already been recovered. There is no objection from any of the employee against recovery of interest as above</p> <p>In note 9 – Out of total balance of 91.51 crores, Rs 57.85 crore represents current account transaction with CIL. This amount has already been reconciled and agreed by CIL. Further the balance amount of Rs 33.66 crore represent security deposit paid/ claims receivable etc. There has not been any practice to obtain confirmation for such amount.</p> <p>In case of note 10, the amount of Rs 7 lakh represents the security money deposited by CMPDI with MP Government for allotment of 4.5 hectare land on lease for establishment of new drilling camp in the main basin of Ghoghra halka, Sarai Tahsil, Singrauli</p> <p>Note 13-Letters were sent to all the debtors for confirmation of balance. All the subsidiaries of CIL have confirmed the balance as on 31.03.2023 except CCL . CCL has confirmed the balance upto 30.09.2022. Reconciliation is going on with CCL as regard dues as on</p>

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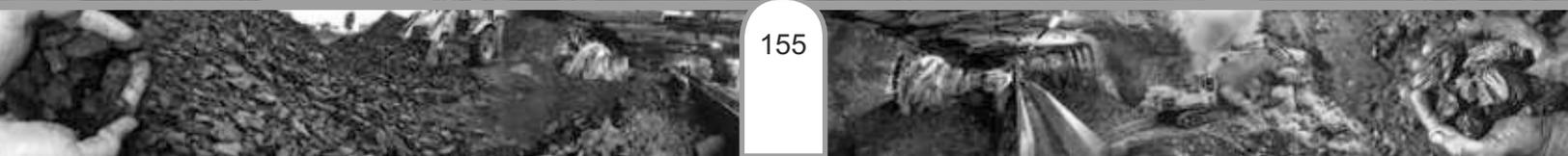
	31.03.2023. In general Letters/ mails have already been sent to the concerned Domestic vendor/creditors/Debtors for the confirmation of balances. The reply has been received from few parties.
OTHER MATTER	MANAGEMENT COMMENT
<p>a) Contingent liability of Rs. 202.39 Crores (P.Y. Rs. 173.74 Crores) includes disputed demands raised by various departments of the Central Government (Income Tax, Service Tax etc.). This amount consists of principal, interest and penalty as raised up to the date of the latest demand order. The interest and penalty for the period from the latest date of demand order to date of Balance Sheet has neither been calculated nor included in contingent liability. Consequential impact over total amount of contingent liability is currently not ascertainable (Note No 38 refer para 4(a) to the Ind AS financial statements.)</p> <p>Further, it also includes legal cases against the company pending before various judicial forums (Supreme court, High court, arbitrators etc.) against which claims has been raised by various third parties. In the absence of details of amount of claims, as raised by the third parties, made available by the management, consequential impact over the total amount of contingent liability if those cases are decided not in favor of the Company is currently not</p>	<p>As the department has already adjusted Rs 68.03 Cr against the disputed demand of Rs 191.39 Cr. So there is no question of interest on the amount already adjusted by the department.</p> <p>As regard to rest unadjusted disputed demand, this is to submit that in previous financial years, the judgements were made in our favour. So there is no need to include the interest amount in contingent liability. Furthermore, the interest is contingent on outcome of disputed cases and as our legal consultant has stated in their legal opinion that all of the cases are expected to be settled in favour of CMPDI therefore the liability on account of interest has remote possibility.</p> <p>Further, as decided during meeting with CAG in relation to audit for FY 2020-21, the interest up to the date of appeal only has to be considered in contingent liability. The same has already been followed.</p>

Signature



<p>ascertainable (Note No 38 refer para 4(a) to the Ind AS financial statements.</p>	
<p>b) It was observed that debtors include old outstanding balances of Rs. 82.86 Cr.(P. Y. Rs. 67.11 Cr.) against CIL subsidiaries, pending for realization for more than 1 year. As per circular no CIL/DT/2021/3093 issued by CIL; i) Payment of 70% of basic amount of bill value and 18% GST (i.e., total 75% of total bill value) thereon to be paid by subsidiaries to CMPDI within 15 days of receipt of bill; ii) Bill reconciliation in future shall be through a portal and CMPDI shall intimate the action on portal and communicate with subsidiaries; iii) Outstanding bills for more than one year shall be reviewed jointly by the CMPDI and the concerned subsidiary. However, during the course of our audit it was observed that the bills raised to subsidiaries are not being recovered as per the above-mentioned circular issued by CIL. Consequential impact on confirmation / reconciliation/ adjustment of such balances, if any, are not currently ascertainable.</p>	<p>CMPDIL HQ is regularly following up for the recovery of the dues at the highest level of Coal India Ltd. and its Subsidiaries.</p> <p>GM (Finance) has written letters to GM (P&P) of ECL, BCCL, CCL, WCL, SECL, NCL, MCL and CIL on 15.09.2021, 24.08.2022 and 13.12.2022 respectively for 75% payment in advance against bills of CMPDIL.</p> <p>GM (Finance), CMPDIL has personally visited ECL, BCCL, SECL and WCL and requested the concerned authorities for payment of 75% advance on regular basis.</p> <p>CMD, CMPDIL has communicated with CMD of all sister concerns and Director (Technical), CIL vide E-office dated 14.07.2022/25.07.2022 for payment of 75% advance of the total bill Value.</p> <p>Further, the debtors balance are reconciled time to time and balance confirmation is obtained from concerned subsidiaries.</p>

Signature



Management Comment to Annexure “A” referred to in Paragraph 1 of “Report on Other Legal and Regulatory Requirements of Independent Auditors Report for the Year Ended 31st March, 2023.

Directions	Audit Reply	Management Reply
<p>1) Whether the company has system in place to process all the accounting transactions through IT systems? If yes, the implication of processing of accounting transactions outside IT systems on integrity of the accounts along with the financial implications, if any may be stated</p>	<p><i>There is a system in place to process all the material accounting transaction and recording of all underlying business transactions is done in its SAP-ERP Software. Accordingly, there are no implications on the integrity of the accounts. The information/Data is flowing from various modules and captured in the financials through automation under SAP for the processes like Financial Accounting and Controlling (FICO), Sales and Distribution (S&D), Material Management (MM), Human Capital Management (HCM), Production Planning (PP), Project System (PS) and Plant Maintenance (PM). As per information and explanations given to us, Post completion of stabilization phase on 31st March 2022, the system is under AMC phase. During the course of our audit, it was observed that, following activities are performed, outside SAP: As explained to us, SAP integration of Biometric attendance is available but due to integration issue with NIC, presently the attendance is either being maintained manually or through Biometric system serving as source data which is finally captured in SAP. In respect of the activities performed outside SAP, as</i></p>	<p>No comments.</p>

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	<i>above, in our opinion there is no material financial implications.</i>	
2) Whether there is any restructuring of an existing loan or cases of waiver / write-off of debts / loans / interest etc. made by a lender to the company due to the company's inability to repay the loan? If yes, the financial impact may be stated. Whether such cases are properly accounted for? (In case, lender is a government company, then this direction is also applicable for statutory auditor of lender company)	<i>As per information and explanations given to us, there is no case of any restructuring of an existing loan or cases of waiver / write-off of debts / loans / interest etc. made by a lender to the company due to the company's inability to repay the loan.</i>	No Comments.
3) Whether funds received/receivable for specific schemes from central/state agencies were properly accounted for/used as per its terms and conditions? List the cases of deviation.	<i>As per information and explanations given to us, the company has not received/no receivable any funds/grants except against detailed & promotional drilling, R&D & S&T and NMET as mentioned in clause 2 & 3 of Part-II - Additional directions (Annexure - 'A').</i>	No Comments.
Part-II Additional Directions of C&AG		
1) Whether any independent assessment and certification of migration process of data from Coalnet portal to SAP had been done	<i>As per information and explanations given to us, independent assessment and certification of migration process of data from Coalnet portal to SAP had not been done. As informed to us, the matter is taken up at CIL level</i>	No Comments.
2) Whether exploration of blocks was completed in compliance of MOU and grant received for detailed and promotional drilling	<i>As per information and explanations given to us, there is no MOU between CMPDI and MOC/CIL/NMET. CMPDI is the nodal agency for all</i>	No Comments.

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<p>utilized and accounted properly. List the Cases of deviation.</p>	<p><i>information related to exploration of coal and lignite in the country. CMPDI undertake the activities of detailed and promotional drilling as per the project/blocks sanctioned/approved by MOC/CIL/NMET either by itself or through MECL and private parties through MOU and tenders. On the basis of our examination of the samples on test check basis, it was observed that exploration of blocks was completed in compliance of MOU and grant received for detailed and promotional drilling are being utilized and accounted for properly.</i></p>	
<p>3) Whether fund received for R&D and S&T were properly accounted for/used as per terms and condition? List the cases of deviations.</p>	<p><i>As per the information and explanation provided to us, R&D and S&T projects are approved/sanctioned by the Technical committee of MOC/CIL with certain terms and condition based on the proposal submitted by the implementing agency/institute to CMPDI. CMPDI makes an estimate of fund requirement for all the ongoing or new R&D/S&T projects and make a consolidated requisition from MOC/CIL. Once the fund is received, CMPDI disburse the fund to implementing agency/institute in various installments based on the progress of the projects. Once the project is complete and Project completion report is approved by the technical committee, implementing agency/institute submit the utilization certificate to</i></p>	<p>No Comments.</p>

Dubnao



Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



	<p><i>CMPDI and refund the unspent amount of the fund received on such projects to CMPDI along with the interest earned on those funds.</i></p> <p><i>On the basis of our examination of the samples on test check basis, it was observed that the fund received for R&D and S&T were properly accounted for/utilized as per terms and condition.</i></p>	
--	---	--

Management Comment to Annexure “B” referred to in Paragraph 2 of “Report on Other Legal and Regulatory Requirements of Independent Auditors Report for the Year Ended 31st March, 2023.

Point No (i) (c) of Annexure “B”	Management Reply
<p>According to the information and explanation given to us, the title deeds of all immovable properties (other than properties where the company is lessee and lease agreements are duly executed in favor of lease) disclosed in the financial statements are held in the name of the company.</p> <p><i>However, during the course of our audit, title deed of land holdings in respect of CMPDI RI1 (Asansol), could not be produced before us for our verification. Further, leasehold land at Kudumkela valued at Rs. 0.46 cr. shown under other land (Note No. 3) pending to be renewed from 1.2.2023. Although, the same has been approved in COFD meeting dated 20.03.2023 for renewal.</i></p>	<p>No Comments.</p>

Management Comment to Annexure “C” referred to in Paragraph 3(h) of “Report on Other Legal and Regulatory Requirements of Independent Auditors Report for the Year Ended 31st March, 2023.

Management Comment to Annexure “C” referred to in Paragraph 3(h) of “Report on Other Legal and Regulatory Requirements of Independent Auditors Report for the Year Ended 31st March, 2023.

Opinion of Auditor	Management Reply
<p>In our opinion, to the best of our information and according to the explanations given to us, the Company has, in all material respects, an adequate internal financial controls system over financial reporting and such internal financial controls over financial reporting were operating effectively as at 31st March 2023, based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting issued by the Institute of Chartered Accountants of India.</p> <p><i>However, further improvement is required in i) the documentation of Internal Financial Controls of the Company in respect of its risk assessment process, risk analysis of different functional areas and incorporating the process flows at departmental levels including risk mitigation in respect of insurance coverage, ii) strengthening of the monitoring of controls in respect of misc. expenses, iii) confirmation/ reconciliation/adjustment of other financial assets, other current & non-current assets, trade payables & receivables, other financial liabilities and other current and non-current liabilities. iv) Control over capturing & recording of attendance of employees.</i></p>	<p>The Internal Financial control system presently available in relation to risk assessment is also robust and adequate.</p> <p>Our internal auditor regularly makes a report on risk assessment covering all the aspects. The same is deliberated regularly before COFDs and audit committee at frequent interval.</p>

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Addendum - V

Mehta & Mehta

COMPANY SECRETARIES

INFINITY BENCHMARK, 18TH FLOOR, ROOM NO. 105, STREET NO 25. GP BLOCK, SECTOR-5
BIDHANNAGAR, KOLKATA - 700091.

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FORM MR-3

SECRETARIAL AUDIT REPORT

FOR THE FINANCIAL YEAR ENDED 31st MARCH, 2023

{Pursuant to Section 204(1) of the Companies Act, 2013 and rule 9 of the Companies
(Appointment and Remuneration of Managerial Personnel) Rules, 2014}

To,
The Members,
CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED
Gondwana Place, Kanke Road
Ranchi, Jharkhand- 834008

We have conducted the secretarial audit of the compliance of applicable statutory provisions and the adherence to good corporate practices by **Central Mine Planning & Design Institute Limited** (hereinafter called "the Company"). Secretarial audit was conducted in a manner that provided us a reasonable basis for evaluating the corporate conduct / statutory compliance and expressing our opinion thereon.

Based on our verification of the Company's books, papers, minutes books, forms and returns filed and other records maintained by the Company and also the information provided by the Company, its officers, agents and authorized representatives during the conduct of secretarial audit, we hereby report that in our opinion, the Company has, during the audit period covering the financial year ended on March 31, 2023, complied with the statutory provisions listed here under and also that the Company has proper Board processes and compliance mechanism in place to the extent, in the manner and subject to the reporting made hereinafter:

We have examined the books, papers, minute books, forms and returns filed and other records maintained by the Company for the financial year ended on March 31, 2023, according to the provisions of:

- (i) The Companies Act, 2013 ('the Act') and the rules made thereunder;
- (ii) The Securities Contracts (Regulation) Act, 1956 ('SCRA') and the rules made there under **(during the period under review not applicable to the company);**
- (iii) The Depositories Act, 1996 and the Regulations and Bye-laws Framed there under **(during the period under review not applicable to the company);**



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- (iv) Foreign Exchange Management Act, 1999 and the rules and regulations made thereunder to the extent of Foreign Direct Investment, Overseas Direct Investment and External Commercial Borrowings; **(during the period under review not applicable to the company);**
- (v) The following Regulations and Guidelines prescribed under the Securities and Exchange Board of India Act, 1992 ('SEBI Act'):-
- (a) The Securities and Exchange Board of India (Substantial Acquisition of Shares and Takeovers) Regulations, 2011 **(during the period under review not applicable to the company);**
- (b) The Securities and Exchange Board of India (Prohibition of Insider Trading) Regulations, 2015;
- (c) The Securities and Exchange Board of India (Issue of Capital and Disclosure Requirements) Regulations, 2018 **(during the period under review not applicable to the company);**
- (d) The Securities and Exchange Board of India (Issue and Listing of Non-Convertible Securities) Regulations, 2021 **(during the period under review not applicable to the company);**
- (e) The Securities and Exchange Board of India (Share Based Employee Benefits and Sweat Equity) Regulations, 2021 **(during the period under review not applicable to the company);**
- (f) The Securities and Exchange Board of India (Registrars to an Issue and Share Transfer Agents) Regulations, 1993 regarding the Companies Act and dealing with client **(during the period under review not applicable to the Company);**
- (g) The Securities and Exchange Board of India (Delisting of Equity Shares) Regulations, 2021 **(during the period under review not applicable to the Company);**
- (h) The Securities and Exchange Board of India (Buyback of Securities) Regulations, 2018 **(during the period under review not applicable to the Company);**



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We have examined compliance with the applicable clauses of the following:

- (i) Secretarial Standards issued by the Institute of Company Secretaries of India;
- (ii) Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015 (**during the period under review not applicable to the Company**);
- (iii) Other laws specifically applicable to the Company namely :
 - a) The Coal Mines Act, 1952
 - b) Indian Explosives Act, 1884
 - c) Colliery Control Order, 2000 and Colliery Control Rules, 2004
 - d) The Coal Mines Regulations, 2017
 - e) The Payment of Wages (Mines) Rules, 1956
 - f) Coal Mines Pension Scheme, 1998
 - g) Coal Mines Conservation and Development Act, 1974
 - h) The Mines Vocational Training Rules, 1966
 - i) The Mines Creche Rules, 1961
 - j) The Mines Rescue Rules, 1985
 - k) Coal Mines Pithead Bath Rules, 1946
 - l) Maternity Benefit (Mines and Circus) Rules, 1963
 - m) The Explosives Rules, 2008
 - n) Mineral Concession Rules, 1960
 - o) Coal Mines Provident Fund and Miscellaneous Provisions Act, 1948
 - p) Mines and Minerals (Development and Regulation) Act, 1957
 - q) The Payment of Undisbursed Wages (Mines) Rules, 1989
 - r) Indian Electricity Act, 2003 and the Indian Electricity Rules, 1956
 - s) Environment Protection Act, 1986 and Environment Protection Rules, 1986
 - t) The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016
 - u) The Water (Prevention & Control of Pollution) Act, 1974 and Rules made thereunder
 - v) The Air (Prevention & Control of Pollution) Act, 1981
 - w) Public Liability Insurance Act, 1991 and Rules made thereunder.

During the period under review the Company has complied with the provisions of Act, Rules, Regulations, Guidelines etc.

We further report that:

During the Audit Period, the Company has complied with the provisions of the Act, Rules, Regulations, Guidelines, etc. mentioned above *except* to the extent as mentioned below:



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1. Composition of the Board of Directors of the Company

The requisite number of Independent Directors were not on the Board of the Company as contemplated in Section 149(4) of the Act and the Clause 3.1.2 of DPE Guidelines on Corporate Governance for Central Public Sector Enterprise (CPSE) issued by the Department of Public Enterprises (DPE) during the period under review. Further, as per the provisions of Section 149 of the Act, the Company did not have a Woman Independent Director on its Board from 10th July, 2022 to 31st March, 2023 for which requisite letters were sent for appointment of both Independent Directors including Women Director by the management from time to time to Ministry of Coal and copy to its Holding Company.

2. Composition of the Audit Committee of the Board of Directors of the Company

As per the provisions of the Section 177 of the Act and Clause 4.1.1 of the DPE Guidelines for Corporate Governance on CPSE, during the period under review, the Audit Committee was constituted without Independent Directors for a period from 16th October, 2022 to 31st March, 2023 for which requisite letters has been submitted by the management from time to time.

3. *In view of exemption provided to Government Companies, vide notification dated June 5, 2015 issued by Ministry of Corporate Affairs, from complying with the provision of section 134(3)(p) of the Companies Act 2013, the Company is not required to comply which requires performance evaluation of Independent Directors by the entire Board of Directors and review of performance of Non-Independent Directors, the Board of Directors as a whole and the Chairperson of the Company by the Independent Directors.*

We further report that all the changes in the composition of the Board of Directors during the Audit Period, except the aforesaid, were made in due compliance of the various provisions of the Act and DPE Guidelines on Corporate Governance for CPSE.

Adequate notices are given to all Directors to schedule the Board / Committee Meetings, agenda and detailed notes on agenda were sent at least seven days in advance and a system exists for seeking and obtaining further information and clarifications on the agenda items before the meeting and for meaningful participation at the meeting.





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We further report that there are adequate systems and processes in the company commensurate with the size and operations of the company to monitor and ensure compliance with applicable laws, rules, regulations and guidelines.

We further report that during the year 2022-23.

- 1) The Company at its Annual General Meeting held on July 21, 2022 declared final dividend of 16.842% i.e. Rs. 168.42 per equity share of face value of Rs. 1000/- each i.e. Rs. 24.05 crores for the Financial Year 2021-2022.
- 2) The Board of Directors of the Company at its meeting held on March 17, 2023 declared interim dividend at 49.02% i.e. Rs. 490.20 per equity share of face value of Rs. 1000/- each aggregating to Rs. 70 crores for F.Y. 2022-23

For **Mehta & Mehta,**
Company Secretaries
(ICSI Unique Code P1996MH007500)


Nayan Handa

Partner

FCS No: 11993

CP No.: 18686

UDIN: F011993E000662335

Place: Delhi

Date: 22.06.2023

Note: This report is to be read with our letter of even date which is annexed as 'ANNEXURE A' and forms an integral part of this report.

Mehita & Mehita

COMPANY SECRETARIES

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Annexure A

To,
The Members,
CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED
Gondwana Place, Kanke Road
Ranchi, Jharkhand- 834008

Our report of even date is to be read along with this letter.

- 1) Maintenance of secretarial record is the responsibility of the management of the Company. Our responsibility is to express an opinion on these secretarial records based on our audit.
- 2) We have followed the audit practices and processes as were appropriate to obtain reasonable assurance about the correctness of the contents of the secretarial records. The verification was done on test basis to ensure that correct facts are reflected in secretarial records. We believe that the processes and practices we followed provide a reasonable basis for our opinion.
- 3) We have not verified the correctness and appropriateness of financial records and Books of Accounts of the Company.
- 4) Wherever required, we have obtained the Management representation about the compliance of laws, rules and regulations and happening of events etc.
- 5) The compliance of the provisions of corporate laws, rules, regulations, standards is the responsibility of management. Our examination was limited to the verification of procedures on test basis.
- 6) As regard the books, papers, forms, reports and returns filed by the Company under the provisions referred to in our Secretarial Audit Report in Form MR-3 the adherence and compliance to the requirements of the said regulations is the responsibility of management. Our examination was limited to checking the execution and timeliness of the filing of various forms, reports, returns and documents that need to be filed by the Company with various authorities under the said regulations. We have not verified the correctness and coverage of the contents of such forms, reports, returns and documents.





Mehta & Mehta

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- 7) The secretarial audit report is neither an assurance as to the future viability of the Company nor of the efficacy or effectiveness with which the management has conducted the affairs of the Company.

For **Mehta & Mehta,**
Company Secretaries
(ICSI Unique Code P1996MH007500)



Nayan Handa

Nayan Handa
Partner
FCS No: 11993
CP No.: 18686
UDIN: F011993E000662335

Place: Delhi
Date: 22.06.2023

Addendum - VI**Contracts or Arrangements with related parties U/s 188 (1).****Form No. AOC-2**

(Pursuant to clause (h) of sub-section (3) of section 134 of the Act and Rule 8(2) of the Companies (Accounts) Rules, 2014)

Form for disclosure of particulars of contracts/arrangements entered into by the company with related parties referred to in sub-section (1) of section 188 of the Companies Act, 2013 including certain arm's length transactions under third proviso thereto.

S.No.	Particulars	Details
1.	Details of contracts or arrangement or transactions not at arm's length basis	NIL
a	Name(s) of the related party and nature of relationship	
b	Nature of contracts/arrangements/transactions	
c	Duration of the contracts/arrangements/transactions	
d	Salient terms of the contracts or arrangements or transactions including the value, if any	
e	Justification for entering into such contracts or arrangements or transactions	
f	Date(s) of approval by the Board	
g	Amount paid as advances, if any:	
h	Date on which the special resolution was passed in general meeting as required under first proviso to section 188	
2.	Details of material contracts or arrangement or transactions at arm's length basis	As per Annexure -A
a	Name (s) of the related party and nature of relationship	
b	Nature of contracts/arrangements/transactions	
c	Duration of the contracts/arrangements/transactions	
d	Salient terms of the contracts or arrangements or transactions including the value, if any:	
e	Date(s) of approval by the Board if any:	
f	Amount paid as advances, if any	



Annexure -A

Related Party Transactions within Group as on 31.03.2023.

The Company being a Government related entity is exempt from the general disclosure requirements in relation to related party transactions and outstanding balances with the controlling Governments and another entity under same Government.

As per Ind AS 24, following are the disclosures regarding nature and amount of significant transactions under same management.

(₹ in Crore)

Name of the Company	Amount of transactions during the year	Nature of Transactions
Eastern Coalfields Limited	94.62	Sales
Bharat Coking Coal Limited	53.02	Sales
Central Coalfields Limited	192.87	Sales
Western Coalfields Limited	175.13	Sales
South Eastern Coalfields Limited	380.01	Sales
Northern Coalfields Limited	126.57	Sales
Mahanadi Coalfields Limited	110.80	Sales
Coal India Limited (CIL) (100% Holding Company)	13.07	Sales
Grand Total	1146.09	

Addendum - VII

ANNEXURE FORMING PART OF DIRECTORS' REPORT FOR THE YEAR ENDED 31.03.2023-INFORMATION AS PER RULES 5(2) OF THE COMPANIES ACT, 2013 READ WITH COMPANIES (Appointment and Remuneration of Managerial Personnel) , Rules 2014.

Sl. No	Name	Designati-on/nature of work	Remuneration During the year (Rs.)	Nature of employment Permanent / temporary	Qualification	Experience (yrs.)	Date of commencement	Age on 31st Mar 2017 (Yrs)	Last employment held	% of eq. Shares held	whether related to Dir./ Manager
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
(a)	Employed throughout the financial year under review and were in receipt of remuneration for that financial year in the aggregate of not less than Rs.1, 02, 00,000/-.										
-----Nil-----											
(b)	Employed for the part of the financial year under review and were in receipt of remuneration for any part of that financial year at a rate which in the aggregate was not less than Rs. 8,50,000/- per month.										
-----Nil-----											
(c)	Employed throughout the year or part and was in receipt of remuneration in excess of that drawn by MD/WTD/Manager and holds not less than two percent of equity shares of the company.										
-----Nil-----											

ADDENDUM - VIII

Comments of the Comptroller and Auditor General of India



भारतसरकार
GOVERNMENT OF INDIA
भारतीय लेखापरीक्षा एवं लेखाविभाग
INDIAN AUDIT AND ACCOUNTS DEPARTMENT
कार्यालय निदेशक लेखापरीक्षा (कोयला), कोलकाता
OFFICE OF THE PRINCIPAL DIRECTOR OF AUDIT (COAL)
पुराना निजाम महल, 234/4 आचार्य जगदीशचन्द्र बोस रोड,
कोलकाता - 700 020
OLD NIZAM PALACE, 234/4, A. J. C. BOSE ROAD,
KOLKATA-700020



No. CAR/CCL/A/c Audit/CMPDIL/2022-23/237

Date: 28 June 2023

To
The Chairman-cum-Managing Director
Central Mine Planning & Design Institute Limited
Ranchi

Subject: Comments of the Comptroller and Auditor General of India under Section 143(6)(b) of the Companies Act, 2013 on the Financial Statements of Central Mine Planning & Design Institute Limited for the year ended 31 March 2023.

Sir,

I forward herewith the Comments of the Comptroller and Auditor General of India under Section 143(6)(b) of the Companies Act, 2013 on the financial statements of **Central Mine Planning & Design Institute Limited** for the year ended 31 March 2023.

The receipt of this letter may please be acknowledged.

Yours faithfully,

Encl: As stated.



(Atul Prakash)
Principal Director of Audit (Coal)
Kolkata

पुराना निजाम महल, 234/4 आचार्य जगदीश चन्द्र बोस रोड, कोलकाता। - 700 020, 234/4, A. J. C.
BOSE ROAD, KOLKATA-700020

दु. भा. Phone: 91-33-22875380/ 033-22815784, 033-22877165, 033-22900314
ईमेल E-mail: dgacoalkol@cag.gov.in फ़ैक्स FAX: 300-22800062,

COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA UNDER SECTION 143(6) (B) OF THE COMPANIES ACT, 2013 ON THE FINANCIAL STATEMENTS OF CENTRAL MINE PLANNING & DESIGN INSTITUTE FOR THE YEAR ENDED 31 MARCH 2023.

The preparation of financial statements of Central Mine Planning & Design Institute Limited for the year ended 31 March 2023 in accordance with the financial reporting framework prescribed under the Companies Act, 2013 (Act) is the responsibility of the management of the company. The statutory auditor appointed by the Comptroller and Auditor General of India under section 139 (5) of the Act is responsible for expressing opinion on the financial statements under section 143 of the Act based on independent audit in accordance with the standards on auditing prescribed under section 143(10) of the Act. This is stated to have been done by them vide their Audit Report dated 02 May 2023.

I, on behalf of the Comptroller and Auditor General of India, have conducted a supplementary audit of the financial statements of Central Mine Planning & Design Institute Limited for the year ended 31 March 2023 under section 143(6)(a) of the Act. This supplementary audit has been carried out independently without access to the working papers of the statutory auditors and is limited primarily to inquiries of the statutory auditors and company personnel and a selective examination of some of the accounting records.

On the basis of my supplementary audit nothing significant has come to my knowledge which would give rise to any comment upon or supplement to statutory auditors' report under section 143(6)(b) of the Act.

For and on behalf of the
Comptroller and Auditor General of India



(Atul Prakash)
Principal Director of Audit (Coal)
Kolkata

Place: Kolkata
Date: 28 June 2023



Addendum - IX

REPORT ON CORPORATE SOCIAL RESPONSIBILITY (CSR) FOR FINANCIAL YEAR 2022-23

1. Brief outline on CSR policy of the Company.

Central Mine Planning & Design Institute Limited (CMPDIL) is undertaking different developmental activities under Corporate Social Responsibility (CSR) following the latest DPE guidelines and provisions of the Companies Act, 2013. The allocation of funds is done as per the CSR policy of CMPDIL under which the higher of the two amounts – 2% of the average net profit for the three immediately preceding financial years is allocated for a particular financial year. The CSR policy of CMPDIL is present for public view on its website www.cmpdi.co.in.

2. Composition of CSR committee:

Composition of CSR Committee from 01.04.2022 to 31.03.2023				
Sl. No.	Name of Director	Designation and nature of Directorship	Number of Meetings of CSR Committee held during the year	Number of Meetings of CSR Committee attended during the year
Attended the meetings as a Chairman of CSR Committee				
1	Shri Pramod Singh Chauhan	Chairman (ceased the office on 15.10.2022)	3	3
2	Shri R. N. Jha	Chairman (w.e.f 23.12.2022)	2	2
Attended the meetings as a Member of CSR Committee				
3	Smt. Alka Panda	Member (Ceased the office on 09.07.2022)	1	1
4	Dr. Krishna Chandra Pandey	Member (Ceased the office on 09.07.2022)	1	1
5	Shri R. N. Jha	Member (Attended the CSR Committee meetings as a member till 22.12.2022)	3	3
6	Shri S. K. Gomasta	Member (Member till 06.10.2022)	2	2
7	Shri Shankar Nagachari	Member (Member from 06.10.2022)	3	3
8	Shri Ajay Kumar	Member (Member from 23.12.2022)	2	2

3. Provide the web-link where Composition of CSR committee, CSR policy and CSR projects approved by the board are disclosed on the website of the company.

The details of Composition of CSR committee, CSR policy and CSR projects approved by the Board are disclosed on the website Composition of CSR committee, CSR policy and CSR projects approved by the Board are disclosed on the website at <https://www.cmpdi.co.in/csr.php>

4. Provide the details of Impact assessment of CSR projects carried out in pursuance of sub- rule 8 of the Companies (Corporate Social responsibility policy) Rules, 2014, if applicable (attach the report).

In pursuance of sub- rule 8 of the Companies (Corporate Social responsibility policy) Rules, 2014, no CSR project undertaken by CMPDIL fall under the purview of Impact Assessment.

5. Details of the amount available for set off in pursuance of sub-rule (3) of rule 7 of the Companies (Corporate Social responsibility policy) Rules, 2014 and amount required for set off for the financial year, if any

Sl. No.	Financial Year	Amount available for set-off from preceding financial years (in Rs.)	Amount required to be set-off for the financial year, if any (in Rs.)
1	2022-23	25,27,000.00	NIL
	TOTAL		

6. Average net profit of the company as per section 135(5):

Head	Amount (Rs. In Crores)
PBT for FY 2021-22	367.24
PBT for FY 2020-21	414.49
PBT for FY 2019-20	312.62
Total of the preceding three years	1094.35
Average of the preceding three years	364.7833

7. (a) Two percent of average net profit of the company as per section 135(5)

Two percent of the Average Net Profit of the preceding three years was Rs. 7.30 crores.

(b) Surplus arising out of the CSR projects or programmes or activities of the previous financial year.

No surplus has arisen out of the CSR projects or programmes or activities of the previous financial year.

(c) Amount required to be set off for the financial year, if any

No amount is to be set off for the financial year.

(d) Total CSR obligation for the financial year (7a+7b-7c).

The mandatory amount to be spent under CSR by CMPDIL for the financial year 2022-23 was Rs. 7.30 crores.

8. (a) CSR amount spent or unspent for the financial year:

Total Amount Spent for the Financial Year. (in Rs)	Amount Unspent (in Rs.)				
	Total Amount transferred to Unspent CSR Account as per section 135(6).		Amount transferred to any fund specified under Schedule VII as per second proviso to section 135(5).		
	Amount	Date of transfer.	Name of the Fund	Amount.	Date of transfer.
89203204.85	Nil	NA	NA	Nil	NA



(b) Detail of CSR amount spent against ongoing projects for the financial year :

1	2	3	4	5		6	7	8	9	10	11	
				Location of the project							Name	CSR Registration number.
Sl. No.	Name of the project	Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)	District	State	Project duration	Amount outlay (budget) projects or programs wise for FY 2022-23 (in Rs. Lakh)	Amount spent in the FY 2022-23 (in Rs. Lakh)	Amount transferred to Unspent CSR Account for the project as per section 135(6) (rs. In lakh)	Mode of Implementation Direct (Yes/No)		
1	Azadi ka Amrut Mahotsava(AKAM)	Point IV, Schedule VII: Environmental Sustainability	Yes	Ranchi	Jharkhand	1 year	4.00	1.29	Nil	Yes	NA	NA
2	Swachhta Action Plan (SAP)	Point I, Schedule VII: Promoting Sanitation	Yes	Ranchi	Jharkhand	1 year	1.00	0.68	Nil	Yes	NA	NA
3	Mutiyear: Development of Misirgonda village near CMPDIL HQ, Ranchi through the facility of toilet blocks and solar lighting Misirgonda, Behind CMPDIL office. (mutiyear project -FY 2021-24)	Point I, Schedule VII: Promoting Sanitation	Yes	Ranchi	Jharkhand	2 year	40.85	39.69	Nil	Yes	NA	NA
4	Mutiyear: Renovation of Birsa School, Hatiagonda, Ranchi (FY 2021-24)	Point II, Schedule VII: Promoting Education	Yes	Ranchi	Jharkhand	2 year	35.00	30.63	Nil	Yes	NA	NA

1	2	3	4	5		6	7	8	9	10	11	
				Local area (Yes/No)	Location of the project						Name	Mode of Implementation Through Implementing Agency
Sl. No.	Name of the project	Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)	District	State	Project duration	Amount outlay (budget) project or programs wise for FY 2022-23 (in Rs. Lakh)	Amount spent in the FY 2022-23 (in Rs. Lakh)	Amount transferred to Unspent CSR Account for the project as per section 135(6) (rs. In lakh)	Mode of Implementation Direct (Yes/No)	Name	CSR Registration number.
5	Multyear: Facility of toilets in Two Government High Schools, Kanke, Ranchi (multiyear project – FY 2021-24)	Point I, Schedule VII: Promoting Sanitation	Yes	Ranchi	Jharkhand	2 year	31.35	34.38	Nil	Yes	NA	NA
6	Spillover: Project Proposal for setting up Virtual Reality Labs in one Government High School, Kanke, Ranchi	Point II, Schedule VII: Promoting Education	Yes	Ranchi	Jharkhand	1 year	21.98	21.98	Nil	No	District Rural Development Agency, Ranchi	CSR 00020742
7	Spillover: Assisting in livelihood through providing vaccine boxes to 2000 Pashu Sakhis for effective vaccination in livestock in different districts of Jharkhand.	Point II, Schedule VII: Promoting Livelihood	Yes	Ranchi	Jharkhand	1 year	26.25	18.29	Nil	No	Jharkhand State Livelihood Mission, Ranchi	CSR 00033478
8	Spillover: Proposal for "Containment of COVID -19" in view of recent out-break of Pandemic COVID-19 (Omicron Variant)	Point I, Schedule VII: Promoting Healthcare	Yes	Ranchi	Jharkhand	1 year	2.00	1.63	Nil	No	District Rural Development Agency, Ranchi	CSR 00020742

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1	2	3	4	5		6	7	8	9	10	11	
				Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)						Location of the project	State
9	Spillover: Requirement of medical equipments for Covid diagnostic and medical surgery for District Hospital, Ranchi in preparation of future waves of Covid (considering the recent Omicron variant of Covid).	Point I, Schedule VII: Promoting Healthcare	Yes	Ranchi	Jharkhand	1 year	60.00	42.06	Nil	No	District Rural Development Agency, Ranchi	CSR 00020742
10	Sponsoring 20 youths for govt. recognized 2 years diploma course in Ophthalmic Assistant at Lok Nayak Jai Prakash Para Medical Institute, Chauparan, Hazaribag.	Point I, Schedule VII: Promoting Healthcare	Yes	Ranchi	Jharkhand	1 year	15.50	15.50	Nil	No	Nav Bharat Jagriti Kendra	CSR 00001693
11	Financial Support for Education and Skill Development for 25 blind girl students from Brajkishore Netraheen Balika Vidhyalaya, Ranchi	Point II, Schedule VII: Promoting special education among differently abled	Yes	Ranchi	Jharkhand	1 year	4.80	4.80	Nil	No	Brajkishore Netraheen Balika Vidyalaya, Ranchi	CSR 00017468
12	Providing a vehicle Eco-5 Seater AC(O)/CNG for the orphans at Karuna Orphanage, Ranchi.	Point III, Schedule VII: Measures for reducing inequalities	Yes	Ranchi	Jharkhand	1 year	7.43	6.59	Nil	No	Karuna NMO	CSR 00029838

1	2	3	4	5		6	7	8	9	10	11	
				District	State						Name	CSR Registration number.
13	Skill training on Driving to women for sustainable Livelihoods and self-reliance in Ranchi, Jharkhand	Point II, Schedule VII: Promoting Employment enhancing skills	Yes	Ranchi	Jharkhand	1 year	7.40	4.44	Nil	No	Ascensive Edu Skill Foundation	CSR 00009270
14	Skill training on General Duty Assistance (GDA) to 50 candidates from Jharkhand	Point I, Schedule VII: Promoting Healthcare	Yes	Ranchi	Jharkhand	1 year	10.98	10.98	Nil	No	Prayas Juvenile Aid Center	CSR 00001803
15	Potable Drinking water facility at nearby govt. schools (RO + Water Cooler (7 nos.) @Rs. 60,000/-	Point I, Schedule VII: Drinking Water	Yes	Ranchi	Jharkhand	1 year	4.20	4.05	Nil	Yes	NA	NA
16	Multiyear: To conduct job oriented six month skill development training to 80 underprivileged/ unemployed/ underemployed youths in Machine Operator, Jharkhand (multiyear project –FY 2022-24)	Point II, Schedule VII: Promoting Employment enhancing skills	Yes	Ranchi	Jharkhand	2 year	68.00	34.00	Nil	No	Central Institute of Petrochemicals Engineering & Technology (CIPET), Ranchi	CSR 00008481

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1	2	3	4	5		6	7	8	9	10	11	
				District	State						Name	CSR Registration number.
17	Multyear: To conduct job oriented six month skill development training to 80 underprivileged/ unemployed / underemployed youths in Machine Operator, Jharkhand (multiyear project –FY 2022-24)	Point II, Schedule VII: Promoting Employment enhancing skills	Yes	Ranchi	Jharkhand	2 year	68.00 (in Rs. Lakh)	6.80 (in Rs. Lakh)	Nil	No	Central Institute of Petrochemicals Engineering & Technology (CIPET), Ranchi	CSR 00008481
18	Azadi ka Amrut Mahotsava(AKAM)	Point IV, Schedule VII: Environmental Sustainability	Yes	Asansol	West Bengal	1 year	5.00	5.00	Nil	Yes	NA	NA
19	Swachhta Action Plan (SAP)	Point I, Schedule VII: Promoting Sanitation	Yes	Asansol	West Bengal	1 year	2.00	1.99	Nil	Yes	NA	NA
20	Sponsorship to 35 No. of Special Children of Asansol/Anandam	Point II, Schedule VII: Promoting special education among differently abled	Yes	Asansol	West Bengal	1 year	12.18	12.18	Nil	No	Asansol Anandam	CSR 00005956

1	2	3	4	5		6	7	8	9	10	11	
				Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)						District	State
21	Sponsorship to 50 No. of Special Children of Sreema Pratibandhi Kalyan Kendra (Society), Asansol	Point II, Schedule VII: Promoting special education among differently abled	Yes	Asansol	West Bengal	1 year	11.46	11.46	Nil	No	Sreema Pratibandhi Kalyan Kendra (Society), Asansol	CSR 00003769
22	Installation of 51 No. of Solar Street Lights in Hraderdanga Village of Paschim Bardhaman District	Point IV, Schedule VII: Environmental Sustainability	Yes	Asansol	West Bengal	1 year	9.10	7.70	Nil	Yes	NA	NA
23	Installation of 100 No. of Solar Street Lights in Jamgora Village of Paschim Bardhaman District	Point IV, Schedule VII: Environmental Sustainability	Yes	Asansol	West Bengal	1 year	17.85	15.10	Nil	Yes	NA	NA
24	Spillover: Facilitating Nabarun F.P. School, Asansol with 4 No. of Computers	Point II, Schedule VII: Promoting Education	Yes	Asansol	West Bengal	1 year	2.14	2.00	Nil	Yes	NA	NA
25	Spillover: Facilitating Gopalpur F.P. School, Asansol with 3 No. of Computers	Point II, Schedule VII: Promoting Education	Yes	Asansol	West Bengal	1 year	1.61	1.51	Nil	Yes	NA	NA

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1	2	3	4	5		6	7	8	9	10	11	
				District	State						Name	CSR Registration number.
26	Facilitating Govt. Primary Schools of Asansol with 5 No. of surveyed off Computers (Puranhat Govt. Sponsored Free Primary School, Hirapur Dakshinpara F.P. School, Ambagan F.P. School, Murgasol G.S.F.P. School and Aradanga-Jordanga F.P. School (Asansol)	Point II, Schedule VII: Promoting Education	Yes	Asansol	West Bengal	1 year	0.53	0.65	Nil	Yes	NA	NA
27	Azadi ka Amrut Mahotsava(AKAM)	Point IV, Schedule VII: Environmental Sustainability	Yes	Dhanbad	Jharkhand	1 year	3.00	2.72	Nil	Yes	NA	NA
28	Swachhita Action Plan (SAP)	Point I, Schedule VII: Promoting Sanitation	Yes	Dhanbad	Jharkhand	1 year	2.00	1.95	Nil	Yes	NA	NA
29	Identification and distribution of Aids and Assistive Devices to persons with disability, Dhanbad, Jharkhand	Point I, Schedule VII: Promoting Healthcare	Yes	Dhanbad	Jharkhand	1 year	20.00	19.93	Nil	No	Artificial Limbs Manufacturing Corporation of India (ALIMCO), Kanpur	CSR 00000532

1	2	3	4	5		6	7	8	9	10	11	
				Location of the project							Mode of Implementation Through Implementing Agency	Name
Sl. No.	Name of the project	Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)	District	State	Project duration	Amount outlay (budget) project or programs wise for FY 2022-23 (in Rs. Lakh)	Amount spent in the FY 2022-23 (in Rs. Lakh)	Amount transferred to Unspent CSR Account for the project as per section 135(6) (rs. In lakh)	Mode of Implementation Direct (Yes/No)		
30	One medical camp	Point I, Schedule VII: Promoting Healthcare	Yes	Dhanbad	Jharkhand	1 year	2.96	2.17	Nil	Yes	NA	NA
31	Providing 25 nos. of Semi Folding patient beds and mattress to Lal Mani Vridhha Seva Ashram, Dhanbad	Point I, Schedule VII: Promoting Healthcare	Yes	Dhanbad	Jharkhand	1 year	3.67	2.80	Nil	Yes	NA	NA
32	Providing Automatic 3 nos. Sanitary Pad Vending Machine and 3 nos. Incinerator units to a Govt. High School Karmatand, Swalambi Rojgar Society, Mukanda, Dhanbad and Women Shelter Home, Dhanbad, Jharkhand	Point I, Schedule VII: Promoting Healthcare	Yes	Dhanbad	Jharkhand	1 year	1.33	1.27	Nil	Yes	NA	NA
33	Azadi ka Amrut Mahotsava(AKAM)	Point IV, Schedule VII: Environmental Sustainability	Yes	Ranchi	Jharkhand	1 year	6.50	5.46	Nil	Yes	NA	NA
34	Swachhta Action Plan (SAP)	Point I, Schedule VII: Promoting Sanitation	Yes	Ranchi	Jharkhand	1 year	2.00	2.07	Nil	Yes	NA	NA



1	2	3	4	5		6	7	8	9	10	11	
				Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)						District	State
35	Spillover: 200 LPM PSA Oxygen plant Installation with manifold pipeline at CHC- Burmu, Burmu Block, Ranchi	Point I, Schedule VII: Promoting Healthcare	Yes	Ranchi	Jharkhand	1 year	80.00	76.61	Nil	No	District Rural Development Agency, Ranchi	CSR 00020742
36	Multiyear project: Installation of eight Solar Powered Deep Boring Pump in different govt. schools (multiyear project -FY 2022-24)	Point I, Schedule VII: Drinking Water	Yes	Latehar and Ranchi	Jharkhand	1 year	14.00	8.81	Nil	Yes	NA	NA
37	Three medical camps and three follow up camp	Point I, Schedule VII: Promoting Healthcare	Yes	Hazaribagh and Ranchi	Jharkhand	1 year	10.96	6.17	Nil	Yes	NA	NA
38	Mosquito net distribution to the villagers in command area of RI 3, Latehar	Point I, Schedule VII: Promoting Healthcare	Yes	Latehar	Jharkhand	1 year	0.50	0.34	Nil	Yes	NA	NA
39	Solar powered deep boring for drinking water at Rajkiya Madya Vidhyalaya, Balumath, Latehar	Point I, Schedule VII: Drinking Water	Yes	Latehar	Jharkhand	1 year	3.50	2.56	Nil	Yes	NA	NA

1	2	3	4	5		6	7	8	9	10	11	
				Local area (Yes/No)	Location of the project						Name	Mode of Implementation Through Implementing Agency
Sl. No.	Name of the project	Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)	District	State	Project duration	Amount outlay (budget) project or programs wise for FY 2022-23 (in Rs. Lakh)	Amount spent in the FY 2022-23 (in Rs. Lakh)	Amount transferred to Unspent CSR Account for the project as per section 135(6) (rs. In lakh)	Mode of Implementation Direct (Yes/No)	Name	CSR Registration number.
40	Distribution of 4 sets of 75 books to the govt. schools in command area of RI- 3	Point II, Schedule VII: Promoting Education	Yes	Latehar	Jharkhand	1 year	0.20	0.20	Nil	Yes	NA	NA
41	Azadi ka Amrut Mahotsava(AKAM)	Point IV, Schedule VII: Environmental Sustainability	Yes	Nagpur	maharashtra	1 year	6.50	6.50	Nil	Yes	NA	NA
42	Swachhta Action Plan (SAP)	Point I, Schedule VII: Promoting Sanitation	Yes	Nagpur	maharashtra	1 year	2.00	1.99	Nil	Yes	NA	NA
43	Spillover : Providing Covid related Items- Matress	Point I, Schedule VII: Promoting Healthcare	Yes	Nagpur	maharashtra	1 year	1.01	1.01	Nil	Yes	NA	NA
44	AMC of water filter plant at Boregaon.	Point I, Schedule VII: Drinking Water	Yes	Nagpur	maharashtra	1 year	0.38	0.38	Nil	Yes	NA	NA
45	AMC for 2 water plant at Shivapur (Bander) village, Warora, Chandrapur 2nd year of AMC.	Point I, Schedule VII: Drinking Water	Yes	Chandrapur	maharashtra	1 year	2.36	1.63	Nil	Yes	NA	NA

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1	2	3	4	5		6	7	8	9	10	11	
				Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)						District	State
46	Skill Develeopment Training Programme to 120 candidates in Plastics Technology for the benefit of youths from command areas of CMPDIL Regional Institute IV ,Chandrapur, Nagpur	Point II, Schedule VII: Promoting Employment enhancing skills	Yes	Chandra- pur, Nagpur	maharas- htra	1 year	84.00	84.00	Nil	No	Central Institute of Petroche- micals Engineering & Technology (CIPT), Ranchi	CSR 00008481
47	Distribution of Aids & Appliances to the Divyangjan. Nagpur and areas near drilling sites 175-200	Point I, Schedule VII: Promoting Healthcare	Yes	Chandra- pur, Nagpur	maharas- htra	1 year	40.00	39.97	Nil	No	Artificial Limbs Manufacturing Corporation of India (ALIMCO), Kanpur	CSR 00000532
48	Supply of 04 Nos. Of Electric Scooters for Donating, it to transit Treatment Centre (TTC) for Rescue and Transportation of Wild Birds and small animals at Nagpur	Point IV, Schedule VII: Promoting Animal Welfare	Yes	Nagpur	maharas- htra	1 year	2.92	2.92	Nil	Yes	NA	NA

1	2	3	4	5		6	7	8	9	10	11	
				Local area (Yes/No)	Location of the project						Name	Mode of Implementation Through Implementing Agency
Sl. No.	Name of the project	Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)	District	State	Project duration	Amount outlay (budget) project or programs wise for FY 2022-23 (in Rs. Lakh)	Amount spent in the FY 2022-23 (in Rs. Lakh)	Amount transferred to Unspent CSR Account for the project as per section 135(6) (rs. In lakh)	Mode of Implementation Direct (Yes/No)	Name	CSR Registration number.
49	Multyear: Conducting 4 months short term residential training program in Footwear Design & Production by FDDI for 100 beneficiaries (multiyear project – FY 2022-24)	Point II, Schedule VII: Promoting Employment enhancing skills	Yes	Nagpur	maharashtra	2 year	16.52	16.52	Nil	No	Footear Design & Development Institute	CSR 00042665
50	Providing 01 no. of Binocular Microscope for Rashtra Sant Tukdoji Charitable Cancer Hospital, Nagpur for increase the efficiency and quality of reporting for histopathological samples to cancer patients	Point I, Schedule VII: Promoting Healthcare	Yes	Nagpur	maharashtra	1 year	2.00	0.42	Nil	Yes	NA	NA
51	Azadi ka Amrut Mahotsava(AKAM)	Point IV, Schedule VII: Environmental Sustainability	Yes	Bilaspur	Chhattisgarh	1 year	6.00	4.12	Nil	Yes	NA	NA
52	Swachhta Action Plan (SAP)	Point I, Schedule VII: Promoting Sanitation	Yes	Bilaspur	Chhattisgarh	1 year	2.00	1.97	Nil	Yes	NA	NA

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1	2	3	4	5		6	7	8	9	10	11	
				Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)						District	State
53	Multiyear: construction of additional rooms in Secretary Dharmasala at Jan Swasthya Sahyog Hospital at Ganiyari for improving patient stay at Dharmasala (multiyear project -FY 2022-24)	Point I, Schedule VII: Promoting Healthcare	Yes	Bilaspur	Chhattisgarh	2 year	12.00	12.00	Nil	Yes	NA	NA
54	Procurement of 20 nos. water purifier and fixing of ACP Board for Hospitals, Schools, Colleges, Deaf & Dumb organizations in and around jurisdiction of R-I-V Drilling camps/labs/HQ	Point I, Schedule VII: Drinking Water	Yes	Bilaspur	Chhattisgarh	1 year	3.95	3.95	Nil	Yes	NA	NA
55	One medical camp and one follow up camp	Point I, Schedule VII: Promoting Healthcare	Yes	Bilaspur	Chhattisgarh	1 year	3.65	2.03	Nil	Yes	NA	NA
56	Procurement & distribution of 20 nos. Of 100 Liters Twin Bin Dustbin near camp areas and offices.	Point I, Schedule VII: Promoting Sanitation	Yes	Bilaspur	Chhattisgarh	1 year	0.78	0.78	Nil	Yes	NA	NA

1	2	3	4	5		6	7	8	9	10	11	
				District	State						Name	CSR Registration number.
57	Mosquito net distribution to the villagers in command area of RI V, Bilaspur	Point I, Schedule VII: Promoting Healthcare	Yes	Bilaspur	Chhattisgarh	1 year	1.04	1.04	Nil	Yes	NA	NA
58	Distribution of 194 Motorized Tricycle (with box) to Divyangjan beneficiaries of Masturi & Bilaspur block, Bilaspur District through ALIMCO	Point I, Schedule VII: Promoting Healthcare	Yes	Bilaspur	Chhattisgarh	1 year	91.10	91.09	Nil	No	Artificial Limbs Manufacturing Corporation of India (ALIMCO), Kanpur	CSR 00000532
59	Multiyear: Conducting job oriented residential skill development training to 110 underprivileged/ unemployed/ underemployed youths in the Machine Operator course for candidates of Chhattisgarh through CIPET, Raipur (multiyear project -FY 2022-24)	Point II, Schedule VII: Promoting Employment enhancing skills	Yes	Bilaspur	Chhattisgarh	2 year	9.35	9.35	Nil	No	Central Institute of Petrochemicals Engineering & Technology (CIPET)	CSR 00008481
60	Providing musical instruments to Blind and Handicapped Teaching-Training School, Amarkhera, Mahendragarh	Point II, Schedule VII: Promoting Education	Yes	Bilaspur	Chhattisgarh	1 year	0.37	0.37	Nil	Yes	NA	NA

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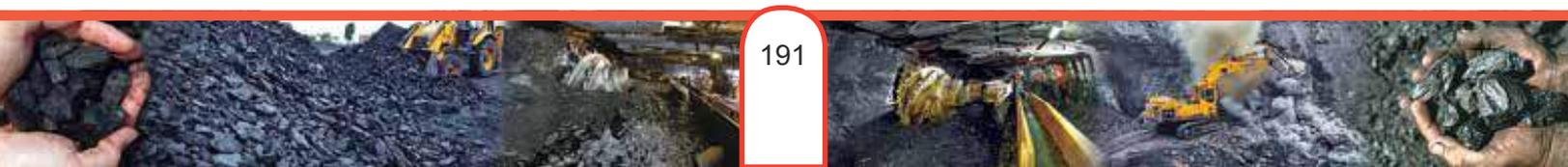


1	2	3	4	5		6	7	8	9	10	11	
				Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)						Location of the project	Project duration
61	Installation of Solar lighting at Jan Swasthya Sahayog ,Ganiyari, Bilaspur.	Point I, Schedule VII: Promoting Healthcare	Yes	Bilaspur	Chhattis garh	1 year	2.60	0.86	Nil	Yes	NA	NA
62	50 nos. of 240 litre dustbin installation in villages/schools	Point I, Schedule VII: Promoting Sanitation	Yes	Bilaspur	Chhattis garh	1 year	1.90	1.73	Nil	Yes	NA	NA
63	Azadi ka Amrut Mahotsava(AKAM)	Point IV, Schedule VII: Environmental Sustainability	Yes	Singrauli	Madya Pradesh	1 year	3.00	2.95	Nil	Yes	NA	NA
64	Swachhta Action Plan (SAP)	Point I, Schedule VII: Promoting Sanitation	Yes	Singrauli	Madya Pradesh	1 year	2.00	1.91	Nil	Yes	NA	NA
65	One medical camp and one follow up camp	Point I, Schedule VII: Promoting Healthcare	Yes	Singrauli	Madya Pradesh	1 year	3.65	2.13	Nil	Yes	NA	NA
66	Identification and distribution of Aids and Assitive Devices to 20 persons with disability in consultation with District Disability Rehabilitation Center- Singrauli District , M.P.	Point I, Schedule VII: Promoting Healthcare	Yes	Singrauli	Madya Pradesh	1 year	3.00	2.86	Nil	Yes	NA	NA

1	2	3	4	5		6	7	8	9	10	11	
				Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)						Location of the project	Project duration
67	Azadi ka Amrut Mahotsava(AKAM)	Point IV, Schedule VII: Environmental Sustainability	Yes	Bhubane swar	Odisha	1 year	6.00	5.99	Nil	Yes	NA	NA
68	Swachhta Action Plan (SAP)	Point I, Schedule VII: Promoting Sanitation	Yes	Bhubane swar	Odisha	1 year	2.00	1.99	Nil	Yes	NA	NA
69	Providing one new water purifier and water cooler at Jewels International, Chetana Institute for the Mentally Handicapped, Bhubaneswar	Point I, Schedule VII: Drinking water	Yes	Bhubane swar	Odisha	1 year	0.87	0.59	Nil	Yes	NA	NA
70	Skill Development of 40 candidates in Machine Operator, Bhubaneswar, Odisha.	Point II, Schedule VII: Promoting Employment enhancing skills	Yes	Bhubane swar	Odisha	1 year	41.74	41.74	Nil	No	Central Institute of Petrochemicals Enginering & Technology (CIPET)	CSR 00008481
71	One medical camp and one follow up camp	Point I, Schedule VII: Promoting Healthcare	Yes	Bhubane swar	Odisha	1 year	3.65	2.98	Nil	Yes	NA	NA



1	2	3	4	5		6	7	8	9	10	11	
				Item from the list of activities in Schedule VII in the Act	Local area (Yes/No)						District	State
72	Providing water purifier, water cooler (With platform and shade) and motorized wheel chair at Swami Vivekanand National Institute of Rehabilitation Training and Research in Olatpur, Bairoi, Cuttack (DoP of RD)	Point I, Schedule VII: Promoting Healthcare	Yes	Bhubane swar	Odisha	1 year	5.00	5.00	Nil	Yes	NA	NA
73	Infrastructure Augmentation of Nandan Kanan Zoo by procurement of laboratory equipment for healthcare of Zoo animals, List of equipments to be procured include Vertical Deep fridge -86C, Microscope with bright field, dark field, phase contrast and fluorescence compatible and RTPCR	Point IV, Schedule VII: Environmental Sustainability	Yes	Bhubane swar	Odisha	1 year	34.56	28.93	Nil	Yes	NA	NA



1	2	3	4	5		6	7	8	9	10	11	
				District	State						Name	CSR Registration number.
74	Supply, installation, commissioning, of 75 nos. solar street light at different locations in <ul style="list-style-type: none"> • Command area of CMPDI Gopalpur and Kosia Exploration Camp • Tehsil of Hemgir of Sundegarh , Lakhapur of Jharsuguda and Chendipada of Angul. 	Point IV, Schedule VII: Environmental Sustainability	Yes	Angul	Odisha	1 year	18:60	10:30	Nil	Yes	NA	NA
	Misc. Admin Overhead							33.83				
	Reversal of Liability by RI-III & RI-IV							2.24				
	Total						1042.69	892.03				

© Details of CSR amount spent against other than ongoing projects for the financial year 2022-23)

(1) Sl.No.	(2) Name of the project	(3) Item from the list of activities in schedule VII to the Act.	(4) Local area (Yes/No).	(5) Location of the project.		(6) Amount spent for the project (in Rs).	(7) Mode implementation Direct (Yes/No).	(8) Mode of implementation through implementing agency.	
				State.	District.			Name	CSR registration number.
1.	Nil	NA	NA	NA	NA	NA	NA	NA	NA
	TOTAL								

(d) Amount spent in Administrative Overheads:

Rs. 33.83 lakhs has been booked under Administrative Overheads.

(e) Amount spent in Impact Assessment, if applicable

No amount has been spent in Impact Assessment.

(f) Total amount spent for the Financial Year

(8b+8c+8d+8e)

Rs. 892.03 lakhs only.

(g) Excess amount for set off, if any

Sl. No.	Particular	Amount (in Rs.)
(I)	Two percent of average net profit of the company as per section 135(5)	7,30,00,000.00
(II)	Total amount spent for the Financial year	8,92,03,204.85
(III)	Excess amount spent for the financial year [(ii)-(i)]	1,62,03,005.23
(IV)	Surplus arising out of the CSR projects or programmes or activities of the previous financial year, if any	Nil
(V)	Amount available for set off succeeding financial years [(iii)-(iv)]	1,62,03,005.23

9. (a) Detail of Unspent CSR amount for the preceding three financial years:

Sl. No.	Preceding Financial Year	Amount transferred to Unspent CSR Account under section 135 (6) (₹ in Rs.)	Amount spent in the reporting financial year (₹ in Rs.)	Amount transferred to any fund specified under Schedule VII as per section 135(6), if any.		Amount remaining to be spent in succeeding financial year. (in Rs.)
				Name of the Fund	Date of transfer	
1.	2021-22	Nil	NA	NA	NA	NA
2.	2020-21	Nil	NA	NA	NA	NA
3.	2019-20	Nil	NA	NA	NA	NA
	TOTAL	Nil	NA	NA	NA	NA

(b) Details of CSR amount spent in the financial year for ongoing projects of the preceding financial year(s):

No Such Projects

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Sl. No.	Project ID	Name of the project	Financial Year in which the project was commenced.	Project duration.	Total amount allocated for the project (in Rs.)	Amount spent on the project in the reporting Financial year (in Rs.)	Cumulative amount spent at the end of reporting Financial Year. (in Rs.)	Status of the project Completed/ Ongoing.
	NIL	NIL	NA	NA	NA	NA	NA	NA

10. **In case of creation or acquisition of capital asset, furnish the details relating to the asset so created or acquired through CSR spent in the financial year (asset-wise details).**

No Such asset so created or acquired through CSR spent in the financial year 2022-23.

- (a) **Date of creation or acquisition of the capital asset(s).**

Not Applicable.

- (b) **Amount of CSR spent for creation or acquisition of capital asset.**

Not Applicable.

Details of the entry or public authority or beneficiary under whose Name such capital asset is registered, their address etc.

Not Applicable.

11. **Specify the reason(s), if the company has failed to spend two percent of the average net profit as per section 135(5).**

CMPDIL has spent Rs.892.03 lakhs in the financial year 2022-23 which is more than the statutory requirement of two percent of the average net profit (i.e. Rs. 730.00 Lakhs).

This is to certify that the implementation and monitoring of CSR activities is in compliance of CSR activities and Policy of CMPDIL.

Sd/-
(Manoj Kumar)
Chairman-cum-Managing
Director

Sd/-
(R.N. Jha)
Chairman CSR
Committee

Sd/-
(R.K. Mahapatro)
Nodal Officer (CSR)





ANNUAL ACCOUNTS 2022-23



Central Mine Planning & Design Institute Limited

BALANCE SHEET as at 31.03.2023

(₹ in Crore)

	Note No.	As at 31.03.2023	As at 31.03.2022
ASSETS			
Non-Current Assets :			
(a) Property, Plant & Equipments	3	229.46	194.45
(b) Capital Work in Progress	4	15.09	36.66
(c) Exploration and Evaluation Assets	5	-	-
(d) Intangible Assets	6.1	14.34	10.40
(e) Intangible Assets under Development	6.2	-	2.30
(f) Financial Assets :			
(i) Investments	7	-	-
(ii) Loans	8	0.06	0.08
(iii) Other Financial Assets	9	3.98	5.45
(g) Deferred Tax Assets (net)		57.89	66.97
(h) Other non-current assets	10	0.07	2.95
Total Non-Current Assets (A)		320.89	319.26
Current Assets :			
(a) Inventories	12	16.01	13.07
(b) Financial Assets :			
(i) Investments	7	-	-
(ii) Trade Receivables	13	822.40	815.90
(iii) Cash & Cash equivalents	14	379.97	160.97
(iv) Other Bank Balances	15	90.14	40.14
(v) Loans	8	-	-
(vi) Other Financial Assets	9	91.51	110.41
(c) Current Tax Assets (Net)		93.17	58.54
(d) Other Current Assets	11	105.44	174.53
Total Current Assets (B)		1,598.64	1,373.56
Total Assets (A+B)		1,919.53	1,692.82
EQUITY AND LIABILITIES			
Equity :			
(a) Equity Share Capital	16	142.80	142.80
(b) Other Equity	17	1094.98	871.72
Equity attributable to equity holders of the company		1237.78	1014.52
Non-Controlling Interests		-	-
Total Equity (A)		1237.78	1014.52

BALANCE SHEET as at 31.03.2023

(₹ in Crore)

	Note No.	As at 31.03.23	As at 31.03.22
Liabilities			
Non-Current Liabilities :			
(a) Financial Liabilities :			
(i) Borrowings	18	-	-
(ii) Lease Liabilities		0.86	1.02
(iii) Trade Payables (if any)		-	-
(iv) Other Financial Liabilities	20	71.67	78.30
(b) Provisions	21	10.01	88.76
(c) Deferred Tax Liabilities (net)		-	-
(d) Other Non-Current Liabilities	22	-	-
Total Non-Current Liabilities (B)		82.54	168.08
Current Liabilities :			
(a) Financial Liabilities :			
(i) Borrowings	18	-	-
(ii) Lease Liabilities		0.84	0.29
(iii) Trade payables :	19	-	-
Total outstanding dues of micro and small enterprises		-	-
Total outstanding dues of Creditors other than micro and small enterprises		145.33	150.94
(iv) Other Financial Liabilities	20	88.09	73.12
(b) Other Current Liabilities	23	130.23	140.99
(c) Provisions	21	234.72	144.88
(d) Current Tax Liabilities (net)		-	-
Total Current Liabilities (C)		599.21	510.22
Total Equity and Liabilities (A+B+C)		1919.53	1692.82

The Accompanying Notes & Note 1, 2 & 38 form an integral part of Financial Statements.


(A. Mundhra)
Company Secretary


(P. K. Prasad)
General Manager (F)


(S. K. Gomasta)
Director
DIN-08714820


(Manoj Kumar)
Chairman-Cum-
Managing Director
DIN-09225497

In terms of our report of even date attached

For K.C Tak & Co.
Chartered Accountants
Firm Registration No. : 000216C


(CA Anil Jain)

Partner

Membership No. : 079005
UDIN : 23079005BGYQBK2530

Date : 02nd May 2023

Place: Ranchi



Central Mine Planning & Design Institute Limited

STATEMENT OF PROFIT & LOSS For the Year Ended 31st March, 2023

(₹ in Crore)

	Note No.	For the Year ended 31.03.2023	For the Year ended 31.03.2022
Revenue from Operations			
A	24	1386.09	1208.43
B		-	-
(I)		1386.09	1208.43
(II)	25	12.69	29.83
(III)		1398.78	1238.26
(IV)		EXPENSES	
	26	33.09	33.62
	27	-	-
	28	698.33	570.82
	29	7.30	6.86
	30	31.33	21.26
	31	142.75	145.87
	32	0.09	0.07
		28.61	22.99
	33	0.04	-
	34	-	-
	35	86.59	68.15
		1031.83	872.22
(V)		366.95	366.04
(VI)		-	-
(VII)		366.95	366.04
(VIII)	36	70.29	83.92
(IX)		296.66	282.12
(X)		-	-
(XI)		-	-
(XII)		-	-
(XIII)		-	-
(XIV)		296.66	282.12
Other Comprehensive Income			
A	37	25.95	26.65
		6.53	6.71

STATEMENT OF PROFIT & LOSS For the Year Ended 31st March, 2023

(₹ in Crore)

	Note No.	For the Year ended 31.03.2023	For the Year ended 31.03.2022
B (i) Items that will be reclassified to profit or loss			
(ii) Income tax relating to items that will be reclassified to profit or loss		-	-
(XV) Total Other Comprehensive Income		19.42	19.94
(XVI) Total Comprehensive Income for the period (XIV+XV) (Comprising Profit (Loss) and Other Comprehensive Income for the period)		316.08	302.06
Profit attributable to:			
Owners of the company		296.66	282.12
Non-controlling interest			
		296.66	282.12
Other Comprehensive Income attributable to:			
Owners of the company		19.42	19.94
Non-controlling interest			
		19.42	19.94
Total Comprehensive Income attributable to:			
Owners of the company		316.08	302.06
Non-controlling interest			
		316.08	302.06
(XVII) Earnings per equity share (for continuing operation):			
(1) Basic		2,077.45	1,975.63
(2) Diluted		2,077.45	1,975.63

Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



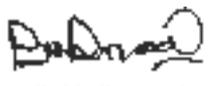
STATEMENT OF PROFIT & LOSS For the Year Ended 31st March, 2023

(₹ in Crore)

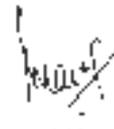
Note No.	For the Year ended 31.03.2023	For the Year ended 31.03.2022
(XVIII) Earnings per equity share (for discontinued operation):		
(1) Basic	-	-
(2) Diluted	-	-
(XIX) Earnings per equity share (for discontinued & continuing operation):		
(1) Basic	2,077.45	1,975.63
(2) Diluted	2,077.45	1,975.63

The Accompanying Notes form an integral part of Financial Statements.


(A. Mundhra)
Company Secretary

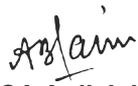

(P. K. Prasad)
General Manager (F)


(S. K. Gomasta)
Director
DIN-08714820


(Manoj Kumar)
Chairman-Cum-
Managing Director
DIN-09225497

In terms of our report of even date attached

For K.C Tak & Co.
Chartered Accountants
Firm Registration No. : 000216C


(CA Anil Jain)

Partner
Membership No. : 079005
UDIN : 23079005BGYQBK2530

Date : 02nd May 2023
Place: Ranchi

Central Mine Planning & Design Institute Limited

CASH FLOW STATEMENT (INDIRECT METHOD) For the Year Ended 31st March, 2023

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
A. CASH FLOWS FROM OPERATING ACTIVITIES:		
Profit before tax	366.95	366.04
Adjustment for:		
Depreciation & Impairment of Fixed Assets	28.61	22.99
Interest from Bank Deposits	(7.47)	(4.13)
Finance cost	0.09	0.07
Interest / Dividend from investments	-	-
Profit / Loss on sale of Fixed Assets	(0.02)	-
Other non-operating Income	(4.43)	(24.57)
Liability write back during the period	(0.77)	(1.13)
Advance Stripping Activity Adjustment	-	-
Operating profit before Current / Non Current Assets and Liabilities Adjustments for :	382.96	359.27
Trade Receivable	(6.50)	76.43
Inventories	(2.94)	(2.25)
Short/Long term Loans/Advances & Other Current Assets	19.69	49.36
Short/Long term Liabilities and Provisions	29.40	(200.35)
Cash generated from operations	422.61	282.46
Income Tax paid / refund	(76.82)	(90.63)
Interest paid	(0.09)	(0.07)
Net Cash Flow from Operating Activities (A)	345.70	191.76
B. CASH FLOWS FROM INVESTING ACTIVITIES		
Purchase of Fixed Assets	(46.57)	(41.65)
Proceeds from sale of Assets	0.02	-
Other Long Term Loans & Advances (Capital Advances)	-	-
Interest received on Fixed Deposit / Loan to Subsidiary	7.47	4.13
Other non-operating Income	5.20	25.70
Investment in Bank Deposit	-	-
Change in investments	-	-
Investment in joint venture	-	-
Interest pertaining to Investing Activities	-	-
Interest / Dividend from investments	-	-
Net cash flow from Investing Activities (B)	(33.88)	(11.82)

Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



C. CASH FLOWS FROM FINANCING ACTIVITIES

Proceed from short term Borrowings/Govt. Grant	1.23	1.12
Repayment of Borrowings	-	-
Interest & Finance cost pertaining to Financing Activities	-	-
Receipt of Shifting & Rehabilitation Fund	-	-
Dividend & Dividend Tax	(94.05)	(90.91)
Buyback of Equity Share Capital	-	-
Net cash used in Financing Activities (C)	(92.82)	(89.79)
Net increase/ decrease in Cash & Bank Balances (A+B+C)	219.00	90.15
Cash & cash equivalents as at the beginning of the year (Refer Note 14 for components of cash & cash equivalents)	160.97	70.82
Cash & cash equivalents as at the end of the year (Refer Note 14 for component of cash & cash equivalents)	379.97	160.97

(All figures in bracket represent outflow)

(A. Mundhra)
Company Secretary

(P. K. Prasad)
General Manager (F)

(S. K. Gomasta)
Director
DIN-08714820

(Manoj Kumar)
Chairman-Cum-
Managing Director
DIN-09225497

In terms of our report of even date attached

For K.C Tak & Co.

Chartered Accountants

Firm Registration No. : 000216C

(CA Anil Jain)

Partner

Membership No. : 079005

UDIN : 23079005BGYQBK2530

Date : 02nd May 2023

Place: Ranchi

Central Mine Planning & Design Institute Limited

STATEMENT OF CHANGES IN EQUITY FOR THE YEAR ENDED 31.03.2023

A. EQUITY SHARE CAPITAL

As at 31.03.2023

(₹ in Crore)

Particulars	Balance as at 01.04.2022	Changes In Equity Share Capital Due to Prior Period errors	Restated Balance as at 01.04.2022	Changes in Equity Share Capital During The Year	Balance as at 31.03.2023
14,28,000 Equity Shares of ₹1000/- each	142.8	-	142.80	-	142.80
As at 31.03.2022					
Particulars	Balance as at 01.04.2021	Changes In Equity Share Capital Due to Prior Period errors	Restated Balance as at 01.04.2021	Changes in Equity Share Capital During The Year	Balance as at 31.03.2022
14,28,000 Equity Shares of ₹1000/- each	142.8	-	142.80	-	142.80

B. OTHER EQUITY

As at 31.03.2022

(₹ in Crore)

	Other Reserves				Total
	Capital Redemption reserve	Capital reserve	General Reserve	Retained Earnings	
Balance as at 01.04.2021	-	17.78	15.85	607.14	659.45
Changes in accounting policy or Prior period errors	-	-	-	-	-
Restated balance as at 01.04.2021	-	17.78	15.85	607.14	659.45
Additions during the year		2.20	14.10		16.30
Adjustments during the year	-	(1.08)	-	(14.10)	(15.18)
Interim Dividend	-	-	-	(60.59)	(60.59)
Final Dividend	-	-	-	(30.32)	(30.32)
Profit for the year	-	-	-	282.12	302.06
Issue of Bonus shares				19.94	
Balance as at 31.03.2022	-	18.90	29.95	784.25	871.72

Central Mine Planning & Design Institute Limited

STATEMENT OF CHANGES IN EQUITY FOR THE YEAR ENDED 31.03.2023 (contd.)

B. OTHER EQUITY (contd.)

As at 31.03.2023

	Other Reserves				Remeasurement of Defined Benefits Plans (net of Tax) - (OCI)	Total
	Capital Redemption reserve	Capital reserve	General Reserve	Retained Earnings		
Balance as at 01.04.2022	-	18.90	29.95	784.25	38.62	871.72
Changes in accounting policy or prior period errors	-	-	-			-
Restated balance as at 01.04.2022	-	18.90	29.95	784.25	38.62	871.72
Additions during the year	-	2.63	14.83			17.46
Adjustments during the year	-	(1.40)	-	(14.83)	-	(16.23)
Interim Dividend	-	-	-	(70.00)	-	(70.00)
Final Dividend	-	-	-	(24.05)	-	(24.05)
Profit for the period				296.66	19.42	316.08
Issue of Bonus shares	-	-	-	-	-	-
Balance as at 31.03.2023	-	20.13	44.78	972.03	58.04	1,094.98

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 3 : PROPERTY, PLANT AND EQUIPMENTS

(₹ in Crore)

	Freehold Land	Other Land	Land Reclamation/ Site Restoration Costs	Building (including water supply, roads and culverts)	Plant and Equipments	Telecommunication	Railway Sidings	Furniture and Fixtures	Office Equipments	Vehicles	Aircraft	Other Mining Infrastructure	Surveyed Off Assets	Right of use	Total
Gross Carrying Amount:															
As at 1 April 2021	1.15	2.94	-	69.15	175.17	0.49	-	14.03	3.35	11.96	-	-	0.75	-	278.99
Additions	-	-	-	1.09	28.47	0.01	-	1.79	0.05	-	-	-	-	-	31.41
Deletions/Adjustments	-	-	-	0.09	(5.86)	(0.07)	-	3.69	0.13	(0.11)	-	-	0.02	-	(2.11)
As at 31st March 2022	1.15	2.94	-	70.33	197.78	0.43	-	19.51	3.53	11.85	-	-	0.77	-	308.29
As at 1 April 2022	1.15	2.94	-	70.33	197.78	0.43	-	19.51	3.53	11.85	-	-	0.77	-	308.29
Additions	-	0.46	-	16.80	33.39	0.60	-	5.99	1.73	1.09	-	-	0.06	-	60.12
Deletions/Adjustments	-	(0.26)	-	(0.07)	(3.00)	-	-	(0.75)	0.78	(0.12)	-	-	-	-	(3.42)
As at 31 st March 2023	1.15	3.14	-	87.06	228.17	1.03	-	24.75	6.04	12.82	-	-	0.83	-	364.99
Accumulated Depreciation and Impairment															
As at 1 April 2021	-	0.35	-	9.29	70.97	0.21	-	6.64	1.86	7.03	-	-	-	-	96.35
Charge for the year	-	0.20	-	1.74	16.13	0.06	-	1.52	0.43	1.24	-	-	-	-	21.32
Impairment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deletions/Adjustments	-	0.55	-	0.09	(4.95)	(0.06)	-	1.17	0.05	(0.13)	-	-	-	-	(3.83)
As at 31st March 2022	-	0.55	-	11.12	82.15	0.21	-	9.33	2.34	8.14	-	-	-	-	113.84
As at 1 April 2022	-	0.55	-	11.12	82.15	0.21	-	9.33	2.34	8.14	-	-	-	-	113.84
Charge for the year	-	0.22	-	3.20	17.29	0.09	-	2.07	0.45	1.04	-	-	-	-	24.36
Impairment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deletions/Adjustments	-	(0.26)	-	(0.03)	(2.24)	-	-	(0.49)	0.46	(0.11)	-	-	-	-	(2.67)
As at 31 st March 2023	-	0.51	-	14.29	97.20	0.30	-	10.91	3.25	9.07	-	-	-	-	135.53
Net Carrying Amount															
As at 31 st March 2023	1.15	2.63	-	72.77	130.97	0.73	-	13.84	2.79	3.75	-	-	0.83	-	229.46
As at 31st March 2022	1.15	2.39	-	59.21	115.63	0.22	-	10.18	1.19	3.71	-	-	0.77	-	194.45

Note :

- 1-Plant and Machinery above include Plant and machineries including Stand by Equipment and stores and spares which satisfies criteria for recognition as PPE but not yet issued from stores
- 2-Depreciation has been provided as per Company's accounting policy.(Refer to note No 2)
3. Other Land includes Right of use Asset amounting to Rs 1.71 cr and accumulated amortization on the same is Rs 0.35 crores upto 31.03.2023. Lease Hold land at Kudumkela was required to be renewed from 01.02.2023 the same has been approved by CoFD meeting dated 20.03.2023. The same is under process of final agreement.
4. Depreciation charged for the year ended is Rs 30.02 Crores (including intangible assets amortization). Out of this depreciation related to funded assets is Rs 1.41 crore
5. In pursuance of Ind AS, Gross value less accumulated depreciation as on 01.04.2015 was considered as carry value on transaction date.

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 4 : CAPITAL WIP

(₹ in Crore)

	Building (including water supply, roads and culverts)	Plant and Equipments	Railway Sidings	Other Mining infrastructure/ Development	Others (to be specified in note)	Total
Gross Carrying Amount:						
As at 1 April 2021	20.01	17.13	-	-	-	37.14
Additions	4.90	0.06	-	-	-	4.96
Capitalisation/ Deletions	(0.48)	(4.96)	-	-	-	(5.44)
As at 31st March 2022	24.43	12.23	-	-	-	36.66
As at 1 April 2022	24.43	12.23	-	-	-	36.66
Additions	1.66	0.76	-	-	-	2.42
Capitalisation/ Deletions	(24.11)	0.12	-	-	-	(23.99)
As at 31 st March 2023	1.98	13.11	-	-	-	15.09
Accumulated Depreciation and Impairment						
As at 1 April 2021	-	-	-	-	-	-
Charge for the year	-	-	-	-	-	-
Impairment	-	-	-	-	-	-
Deletions/Adjustments	-	-	-	-	-	-
As at 31st March 2022	-	-	-	-	-	-
As at 1 April 2022	-	-	-	-	-	-
Charge for the year	-	-	-	-	-	-
Impairment	-	-	-	-	-	-
Deletions/Adjustments	-	-	-	-	-	-
As at 31 st March 2023	-	-	-	-	-	-
Net Carrying Amount	-	-	-	-	-	-
As at 31 st March 2023	1.98	13.11	-	-	-	15.09
As at 31st March 2022	24.43	12.23	-	-	-	36.66

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 4 : CAPITAL WIP (contd.)

Capital-Work-in Progress (CWIP) as on 31.03.2023

(a) Ageing schedule for Capital-work-in Progress:

(₹ in Crore)

	Amount in CWIP for a period of			
	Less than 1 years	1-2 years	2-3 years	More than 3 years
Projects in progress:				
BUILDING				
Construction of Badminton court at CMPDI	-	0.74	-	-
Construction of Civil and Allied work	0.35	-	-	-
Construction of Storage room for keeping radiation	0.03	-	-	-
DRAIN COVERAGE	0.18	-	-	-
SHOPPING COMPLEX	0.22	-	-	-
2 SOURCE ROOMS	0.07	-	-	-
Construction of new boundary wall at CMPDI Colony RI-7	0.14	-	-	-
New water supply pipeline to CMPDI colony RI7	0.11	-	-	-
PLANT & EQUIPMENT				
WIP for Automatic Drum Composter	0.16	-	-	-
EFFLUENT TREATMENT PLAN (ETP)	0.07	-	-	-
SOLAR PLANT	0.49	-	-	-
Rewiring Of B1 B2 C D Block Quarters Cmpdi Colony	0.22	-	-	-
Projects temporarily suspended:				
BUILDING				
Lakhanpur Residential building for Gopalpur camp of RI-7	-	0.10	0.02	0.02
PLANT & EQUIPMENT				
CIL R&D WIP	-	-	-	12.17
GRAND TOTAL	2.04	0.84	0.02	12.19



NOTES TO THE FINANCIAL STATEMENTS

NOTE - 4 : CAPITAL WIP (contd.)

(b) Overdue capital-work-in progress

	To be completed in		
	Less than 1 year	1-2 years	2-3 years
Projects in progress:			
Building (including water supply, roads and culverts)			
Plant and Equipments			
Railway Sidings			
Total			

Capital-Work-in Progress (CWIP) as on 31.03.2022

(a) Ageing schedule for Capital-work-in Progress:

(₹ in Crore)

	Amount in CWIP for a period of			
	Less than 1 years	1-2 years	2-3 years	More than 3 years
Projects in progress:				
BUILDING				
Construction of Badminton court at CMPDI	0.40	-	-	-
Construction of Civil and Allied work	0.23	-	-	-
Office Building RI-4	0.07	-	-	23.21
CMPDI RI-7 Office building	0.15	0.22	-	-
BuildingLakhanpur Residential building for Gopalpur camp of RI-7	0.10	0.03	-	0.02
PLANT & EQUIPMENTS				
Capsule Lift by Deepak Kumar singh	0.03	-	-	-
DECORATIVE LIGHTING	0.03	-	-	-
Projects temporarily suspended:				
Plant and Equipments	-	-	-	-
CIL R&D WIP	-	-	-	12.17
GRAND TOTAL	1.01	0.25	-	35.40

(b) Overdue capital-work-in progress

	To be completed in		
	Less than 1 year	1-2 years	2-3 years
Projects in progress:			
Building (including water supply, roads and culverts)			
Plant and Equipments			
Railway Sidings			
Total			



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 5 : EXPLORATION AND EVALUATION ASSETS

(₹ in Crore)

	Exploration and Evaluation Costs
Gross Carrying Amount:	
As at 1 st April 2021	-
Additions	-
Deletions/Adjustments	-
As at 31st March 2022	-
As at 1 st April 2022	-
Additions	-
Deletions/Adjustments	-
As at 31st March 2023	-
Accumulated Provision and Impairment	
As at 1 st April 2021	-
Charge for the year	-
Impairment	-
Deletions/Adjustments	-
As at 31st March 2022	-
As at 1 st April 2022	-
Charge for the year	-
Impairment	-
Deletions/Adjustments	-
As at 31st March 2023	-
Net Carrying Amount	
As at 31st March 2023	-
As at 31st March 2022	-

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 6.1 : INTANGIBLE ASSETS

(₹ in Crore)

	Computer Software	Others (specify in note)	Total
Gross Carrying Amount:			
As at 1 April 2021	17.55	-	17.55
Additions	8.02	-	8.02
Deletions/Adjustments	0.14	-	0.14
As at 31st March 2022	25.71	-	25.71
As at 1 April 2022	25.71	-	25.71
Additions	9.60	-	9.60
Deletions/Adjustments	-	-	-
As at 31 st March 2023	35.31	-	35.31
Accumulated Amortisation and Impairment			
As at 1 April 2021	12.18	-	12.18
Charge for the year	3.13	-	3.13
Impairment	-	-	-
Deletions/Adjustments	-	-	-
As at 31st March 2022	15.31	-	15.31
As at 1 April 2022	15.31	-	15.31
Charge for the year	5.66	-	5.66
Impairment	-	-	-
Deletions/Adjustments	-	-	-
As at 31 st March 2023	20.97	-	20.97
Net Carrying Amont			
As at 31 st March 2023	14.34	-	14.34
As at 31st March 2022	10.40	-	10.40

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 6.2: INTANGIBLE ASSETS UNDER DEVELOPMENT

(₹ in Crore)

	ERP under Development
Gross Carrying Amount:	
As at 1 April 2021	-
Additions	2.30
Capitalisation/Deletions	-
As at 31st March 2022	2.30
As at 1 April 2022	2.30
Additions	1.06
Deletions/Adjustments	(3.36)
As at 31 st March 2023	-
Accumulated Impairment	-
As at 1 April 2021	-
Charge for the year	-
Impairment	-
Deletions/Adjustments	-
As at 31st March 2022	-
As at 1 April 2022	-
Charge for the year	-
Impairment	-
Deletions/Adjustments	-
As at 31 st March 2023	-
Net Carrying Amont	-
As at 31 st March 2023	-
As at 31st March 2022	2.30

Intangible Assets under Development 31.03.2022

(a) Ageing schedule for intangible assets under development

	Amount in intangible assets under development for a period of				
	Less than 1 year	1-2 years	2-3 years	More than 3 years	Total
Projects in Progress :					
ERP under development	2.30	-	-	-	2.30
Projects temporarily suspended :					
Total	2.30	-	-	-	2.30

(b) Overdue Intangible Assets under development

	To be completed in			
	Less then 1 years	1-2 years	2-3 years	More than 3 years
Total	-	-	-	-

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 7 : INVESTMENTS

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
Non Current		
Investment in Shares	-	-
Equity Shares in Joint Venture Companies	-	-
Other Investments	.	-
In Secured Bonds	-	-
In Co-operative Shares	-	.
Total	-	-
Aggregate amount of unquoted investments:	-	-
Aggregate amount of quoted investments:	-	-
Market value of quoted investments:	-	-
Aggregate amount of impairment in value of investments:	-	-

NOTE - 7 (contd.)

INVESTMENTS

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
Current		
Mutual Fund Investment		
UTI Mutual Fund	-	-
UTI Liquid Cash Plan	-	-
LIC Mutual Fund	-	-
SBI Mutual Fund	-	-
Canara Robeco Mutual Fund	-	-
Union KBC Mutual Fund	-	-
BOI AXA Mutual Fund	-	-
Total	-	-
Aggregate of Quoted Investment:	-	-
Aggregate of unquoted investments:	-	-
Market value of Quoted Investment:	-	-
Aggregate amount of impairment in value of investments:	-	-

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 8 : LOANS

(₹ in Crore)

	As at 31.03.2023	As at 31.03.2022
Non Current :		
Other Loans		
- Secured, considered good	0.06	0.08
- Unsecured, considered good	-	-
- Have significant increase in credit risk	-	-
- Credit impaired	-	-
	0.06	0.08
Less: Allowance for doubtful loans	-	-
	0.06	0.08
Total	0.06	0.08
Current		
Other Loans		
- Secured, considered good	-	-
- Unsecured, Considered good	-	-
- Have significant increase in credit risk	-	-
- Credit impaired	-	-
- Doubtful	-	-
	-	-
Less: Allowance for doubtful loans	-	-
	-	-
Total	-	-

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 9 : OTHER FINANCIAL ASSETS

(₹ in Crore)

	As at 31.03.2023	As at 31.03.2022
Non Current		
Bank Deposits with more than 12 months maturity	-	-
Deposits with bank under :		
- Mine Closure Plan	-	-
- Shifting & Rehabilitation Fund scheme	-	-
Security Deposit	4.02	5.49
Less : Allowance for doubtful Security deposits	0.04	0.04
Other Deposit and Receivables	-	-
Less : Allowance for doubtful deposits	-	-
	3.98	5.45
TOTAL	3.98	5.45
Current		
Current Account Balance with CIL	57.85	53.63
Balance with IICM	-	-
Less: Provision for Doubtful Advances	-	-
	4.92	0.94
Interest accrued	4.92	0.94
Claims & other receivables*	28.74	55.84
Less : Allowance for doubtful claims	-	-
	28.74	55.84
TOTAL	91.51	110.41
Claims & other receivables*	31.03.2023	31.03.2022
Receivable From Ind AS 115	26.29	49.80
Claims Receivable & Others	2.45	6.04
TOTAL	28.74	55.84



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 10 : OTHER NON-CURRENT ASSETS

(₹ in Crore)

	As at 31.03.2023	As at 31.03.2022
(i) Capital Advances	0.07	2.95
Less : Allowance for doubtful advances	-	-
	0.07	2.95
(ii) Advances other than capital advances		
(a) Others Deposits and Advance	-	-
Less : Allowance for doubtful advances	-	-
	-	-
(b) Advances to related parties	-	-
Total	0.07	2.95

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE -11 : OTHER CURRENT ASSETS

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
(a) Advance payment of statutory dues	0.04	0.04
Less : Allowance for doubtful Statutory dues	-	-
	0.04	0.04
(b) Advance to Related Parties	-	-
(c) Other Advances and Deposits *	84.52	146.41
Less : Allowance for doubtful other deposits and advances	0.25	0.25
	84.27	146.16
(d) Input Tax Credit Receivable	21.13	28.33
	21.13	28.33
Total	105.44	174.53

Note:

1-(c) Other Advances and Deposits *

	31.03.2023	31.03.2022
ADVANCE (XA)	0.36	0.28
T.A.	1.92	0.82
MEDICAL ADVANCE	0.83	0.24
INCOME TAX UNDER PROTEST **	68.03	38.31
OTHERS	13.38	106.76
Total	84.52	146.41

** Income tax paid under protest is Rs 68.03 crs. Out of this Rs 0.61 Cr relates to A.Y 2010-11, Rs 0.68 Cr relates to A.Y 2014-15, Rs.0.76 Cr related to A.Y 2016-17, Rs. 25.11 Cr relates to 2017-18, Rs.16.01 Cr relates to 2018-19, Rs. 19.13 Crore related AY 2020-21, Rs. 5.73 Crore relates to A.Y 2021-22.

2 . Other Deposit and advances above includes Excess CSR (Refer Annexure to Note - 29 CSR Expenses)



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 12 : INVENTORIES

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
(a) Stock of Coal		
Coal under Development	-	-
Stock of Coal (Net)	-	-
(b) Stock of Stores & Spares (net)	16.01	13.07
Add: Stores-in-transit	-	-
Net Stock of Stores & Spares	16.01	13.07
(c) Stock of Medicine at Central Hospital	-	-
(d) Workshop Jobs and Press jobs		
	16.01	13.07

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE- 13 : TRADE RECEIVABLES

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
Current		
Trade receivables		
- secured, considered good	-	-
- unsecured, considered good	822.40	815.90
Have significant increase in credit risk		
Credit impaired	2.58	3.35
	<u>824.98</u>	<u>819.25</u>
Less : Allowance for bad & doubtful debts	2.58	3.35
Total	<u>822.40</u>	<u>815.90</u>

As at 31.03.2023

(₹ in Crore)

Trade Receivables ageing schedule	Outstanding for following periods from transaction date					Total
	Less than 6 months	6 months 1 year	1-2 years	2-3 years	More than 3 years	
(i) Undisputed Trade receivables – considered good	598.96	96.71	51.32	19.32	58.67	824.98
(ii) Undisputed Trade Receivables - which have significant increase in credit risk						
(iii) Undisputed Trade Receivables – credit impaired						
(iv) Disputed Trade Receivables– considered good						
(v) Disputed Trade Receivables – which have significant increase in credit risk						
(iv) Disputed Trade Receivables – credit impaired						
Total						
Unbilled dues						
Allowance for bad & doubtful debts					2.58	2.58
Expected credit losses (Loss allowance provision) - %						0.31%

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE- 13 : TRADE RECEIVABLES

As at 31.03.2022

(₹ in Crore)

Trade Receivables ageing schedule	Outstanding for following periods from transaction date					Total
	Less than 6 months	6 months 1 year	1-2 years	2-3 years	More than 3 years	
(i) Undisputed Trade receivables – considered good	555.08	113.28	69.89	23.23	57.77	819.25
(ii) Undisputed Trade Receivables - which have significant increase in credit risk						
(iii) Undisputed Trade Receivables – credit impaired						
(iv) Disputed Trade Receivables– considered good						
(v) Disputed Trade Receivables – which have significant increase in credit risk						
(iv) Disputed Trade Receivables – credit impaired						
Total						
Unbilled dues						
Allowance for bad & doubtful debts					3.35	3.35
Expected credit losses (Loss allowance provision) - %						0.41%
<p>Trade Receivables includes dues from CIL and Subsidiaries within group ₹ 663.85 cr. (Previous Year ₹ 586.10 cr.) and allowances recognised thereon Nil (Previous Year Nil). Dues from outside group include ₹ 161.13 cr. (Previous Year ₹ 232.89 cr.) and allowances recognised thereon ₹ 2.58 cr. (Previous Year ₹ 3.35 cr.).</p>						

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 14 : CASH AND CASH EQUIVALENTS

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
(a) Balances with Banks		
- in Deposit Accounts		
- in Current Accounts		
Interest Bearing (CLTD)	342.40	146.00
Non Interest Bearing	37.55	14.94
- in Cash Credit Accounts		-
(b) Bank Balances outside India	-	-
(c) Cheques, Drafts and Stamps in hand	-	0.01
(d) Cash on hand	0.01	0.02
(e) Cash on hand outside India	-	-
(f) Imprest account	0.01	-
Total Cash and Cash Equivalents	<u>379.97</u>	<u>160.97</u>
(g) Bank Overdraft	-	-
Total Cash and Cash Equivalents(net of Bank Overdraft)	<u>379.97</u>	<u>160.97</u>

NOTE - 15 : OTHER BANK BALANCES

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
Balances with Banks		
- Deposit accounts	90.14	40.14
- CSR fund for Ongoing projects	-	-
- Mine Closure Plan	-	-
- Shifting and Rehabilitation Fund scheme	-	-
- Escrow Account for Buyback of Shares	-	-
- Unpaid dividend accounts	-	-
- Dividend accounts	-	-
Total	<u>90.14</u>	<u>40.14</u>



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 16 : EQUITY SHARE CAPITAL

(₹ in Crore)

	As at 31.03.2023	As at 31.03.2022
Authorised		
15,00,000 Equity Shares of ₹1000/- each	150.00	150.00
	150.00	150.00
Issued, Subscribed and Paid-up		
(Held by Coal India Ltd., the Holding Co. & its nominees)		
8 Equity Shares of ₹ 1,000/- each fully paid in Cash (Previous Year 8 Equity shares of ₹ 1,000/- each)	-	-
1322992 Equity Shares of ₹ 1,000/- each allotted as fully paid up for consideration received other than cash (Previous Year 275792 Equity Shares of ₹ 1,000/- each)	132.30	132.30
105000 Equity Shares of ₹ 1000/- each allotted as fully paid for Cash to Holding Company by converting loan in equity	10.50	10.50
Total	142.80	142.80

1 Shares in the company held by each shareholder holding more than 5% Shares

Name of Shareholder	No. of Shares held (Face value of ₹1000 each)	% of Total Shares
Coal India Limited	1,428,000	100%

2 Reconciliation of equity shares outstanding at the beginning and at the end of reporting period:-

Particular	Number of Share	Amount Rs. cr.
Balance as on 01.04.2021	1,428,000	142.80
Addition During the F.Y 2021-22		
Balance as on 01.04.2022	1,428,000	142.80
Change during the year	-	-
Balance as on 31.03.2023	1,428,000	142.80

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 17 : OTHER EQUITY

(₹ in Crore)

	Other Reserves				Retained Earnings	Other Comprehensive Income	Total
	Capital Redemption reserve	Capital reserve	General Reserve				
Balance as at 01.04.2021	-	17.78	15.85	607.14	18.68	659.45	
Additions during the year	-	2.20	14.10		-	16.30	
Adjustments during the year	-	(1.08)	-	(14.10)	-	(15.18)	
Profit for the year	-	-	-	282.12	19.94	302.06	
Interim Dividend	-	-	-	(60.59)	-	(60.59)	
Final Dividend	-	-	-	(30.32)	-	(30.32)	
Issue of Bonus Shares	-	-	-	-	-	-	
Balance as at 31.03.2022	-	18.90	29.95	784.25	38.62	871.72	
Additions during the year	-	2.63	14.83			17.46	
Adjustments during the year	-	(1.40)	-	(14.83)		(16.23)	
Profit for the year	-	-	-	296.66	19.42	316.08	
Interim Dividend	-	-	-	(70.00)	-	(70.00)	
Final Dividend	-	-	-	(24.05)	-	(24.05)	
Issue of Bonus Shares	-	-	-	-	-	-	
Balance as at 31.03.2023	-	20.13	44.78	972.03	58.04	1,094.98	



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 18: BORROWINGS

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
Non-Current		
Term Loans		
- From Banks	-	-
- From Other Parties	-	-
Loans from Related Parties	-	-
Other Loans	-	-
Total	<u>-</u>	<u>-</u>
CLASSIFICATION		
Secured	-	-
Unsecured	-	-
Current		
Loans repayable on demand		
- From Banks	-	-
- From Other Parties	-	-
Loans from Related Parties	-	-
Other Loans	-	-
Total	<u>-</u>	<u>-</u>
CLASSIFICATION		
Secured	-	-
Unsecured	-	-

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 19 :TRADE PAYABLES

(₹ in Crore)

	As at 31.03.2023	As at 31.03.2022
Current		
Micro, Small and Medium Enterprises	-	-
Other than Micro, Small and Medium Enterprises	145.33	150.94
Total	145.33	150.94

Trade payables - Total outstanding dues of Micro & Small enterprises

	31.03.2023	31.03.2022
a) Principal & Interest amount remaining unpaid but not due as at period end	Nil	Nil
b) Interest paid by the Company in terms of Section 16 of Micro , Small and Medium Enterprises Development Act, 2006, along with the amount of the payment made to the supplier beyond the appointed day during the period	Nil	Nil
c) Interest due and payable for the period of delay in making payment (which have been paid but beyond the appointed day during the year) but without adding the interest specified under Micro, Small and Medium Enterprises Development Act, 2006,	Nil	Nil
d) Interest accrued and remaining unpaid as at period end	Nil	Nil
e) Further interest remaining due and payable even in the succeeding years , until such date when the interest dues as above are actually paid to the small enterprise	Nil	Nil

As at 31.03.2023

Trade Payables aging schedule	Outstanding for following periods from transaction date					
	Particulars	Less than 1 year	1-2 Years	2-3 years	More than 3 years	Total
i) MSME						
ii) Others	133.14	12.05		0.14	145.33	
iii) Disputed dues -MSME						
iv) Disputed dues -Others						
v) Unbilled dues						



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 19 :TRADE PAYABLES

As at 31.03.2022

Trade Payables aging schedule Particulars	Outstanding for following periods from transaction date				
	Less than 1 year	1-2 Years	2-3 years	More than 3 years	Total
i) MSME					
ii) Others	150.81			0.13	150.94
iii) Disputed dues -MSME					
iv) Disputed dues -Others					
v) Unbilled dues					

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 20 : OTHER FINANCIAL LIABILITIES

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
Non Current		
Security Deposits	71.67	78.30
Others		
Total	<u>71.67</u>	<u>78.30</u>
Current		
Surplus fund from Subsidiaries	-	-
Current Account with	-	-
- Subsidiaries	-	-
- IICM	0.20	-
Current maturities of long-term debt	-	-
Unpaid dividends	-	-
Security Deposits	26.08	15.46
Earnest Money	2.91	2.29
Payable for Capital Expenditure	14.44	8.95
Liability for Employee Benefits	39.22	38.98
Others	5.24	7.44
Total	<u>88.09</u>	<u>73.12</u>



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 21 : PROVISIONS

(₹ in Crore)

	As at 31.03.2023	As at 31.03.2022
Non Current		
Employee Benefits		
- Gratuity *	-	44.77
- Leave Encashment **	0.72	0.26
- Post Retirement Medical Benefits ***	3.87	38.83
- Other Employee Benefits	5.41	4.89
Site Restoration/Mine Closure	-	-
Stripping Activity Adjustment	-	-
Others	0.01	0.01
Total	10.01	88.76
Current		
Employee Benefits		
- Gratuity *	4.17	21.74
- Leave Encashment **	8.55	8.01
- Post Retirement Medical Benefits ***	5.97	8.06
- Ex- Gratia	16.47	14.08
- Performance Related Pay	114.35	84.46
- Other Employee Benefits	85.21	8.53
	234.72	144.88
Site Restoration/Mine Closure	-	-
Excise Duty on Closing Stock of Coal	-	-
Others	-	-
Total	234.72	144.88

Note :

* Gratuity Liabilities is netted off to the extent Rs 150.83 Cr.

*** Post Retirement Medical Benefit Liability is netted off to the extent Rs 78.48 Cr

** Leave Encashment Liabilities is netted off of to the extent Rs 99.35 Cr.

Pending finalization of the National Coal wage agreement (NCWA-XI) for non Executives considering the total impact of the increase in all elements of salary & Wages an estimated provision of Rs 83.87/- crores @ Rs 19,100/- per employee (Non Executive) per month has been recognised for the period from 01.07.2021 to 31.03.2023.

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 22 : OTHER NON CURRENT LIABILITIES

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
Shifting & Rehabilitation Fund		
Deferred Income	-	-
Others		
Total	<u>-</u>	<u>-</u>

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 23: OTHER CURRENT LIABILITIES

(₹ in Crore)

	<u>As at 31.03.2023</u>	<u>As at 31.03.2022</u>
Statutory Dues:		
Statutory Dues	80.33	76.92
Advance for Coal Import	-	-
Advance from customers / others	3.23	1.83
Cess Equalization Account	-	-
*Others liabilities	46.67	62.24
Total	<u>130.23</u>	<u>140.99</u>

* Other Liabilities includes funds received from Ministry of Coal & Ministry of Mines. It includes bills passed but payments not made due to fund receivable is awaited from Ministry.



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE - 24 : REVENUE FROM OPERATIONS

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
A. Sales of Services	1,637.76	1,426.33
Less -.Statutory Levies	251.67	217.90
Net Sales (A) *	1,386.09	1,208.43
B.Other Operating Revenue		
Subsidy for Sand Stowing & Protective	-	-
Facilitation charges for coal import	-	-
Loading and additional transportation charges	-	-
Less: Statutory Levies (excluding Excise)	-	-
	-	-
Evacuation facilitating Charges	-	-
Less: Statutory Levies	-	-
	-	-
Revenue from services	-	-
Less: Statutory Levies	-	-
	-	-
Other Operating Revenue (B)	-	-
Revenue From Operations (A+B)	1,386.09	1,208.43

*Sales includes services to CIL and Subsidiaries within Group Gross amount Rs 1352.58 Crores (Previous year Rs 1145.94. crores) and levies thereon Rs 206.48 Crores (Previous Year Rs 174.80 crores); Services outside group includes Gross Rs.285.18 crores (Previous year Rs 280.39 crores) and levies thereon recognised Rs 45.19 Crores (Previous year Rs 43.10 crores).

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 25 : OTHER INCOME

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
Interest Income	7.47	4.13
Dividend Income	-	-
Others		
Apex charges	-	-
Profit on Sale of Assets	0.02	-
Gain on Foreign exchange Transactions	0.02	0.03
Lease Rent	-	-
Liability / Provision Write Backs	0.77	1.13
Misc. Income	4.41	24.54
Total	12.69	29.83

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 26 : COST OF MATERIALS CONSUMED

(₹ in Crore)

	For the Year ended	For the Year ended
	31.03.2023	31.03.2022
Explosives		0.02
Timber		-
Oil & Lubricants	16.60	18.14
HEMM Spares	0.30	-
Other Consumable Stores & Spares	16.19	15.46
Total	33.09	33.62

NOTE 27 : CHANGES IN INVENTORIES OF FINISHED GOODS, WORK IN PROGRESS AND STOCK IN TRADE

(₹ in Crore)

	For the Year ended	For the Year ended
	31.03.2023	31.03.2022
Opening Stock of Coal		
Add: Adjustment of opening stock	-	-
Less: Deterioration of Coal	-	-
	-	-
Closing Stock of Coal	-	-
Less: Deterioration of Coal	-	-
	-	-
A. Change in Inventory of Coal and WIP	-	-
Add: Adjustment of Opening Stock	-	-
Less: Provision	-	-
	-	-
and WIP	-	-
Less: Provision	-	-
	-	-
B. Change in Inventory of workshop	-	-
Press Opening Job		
i) Finished Goods	-	-
ii) Work in Progress	-	-
	-	-
Less: Press Closing Job		
i) Finished Goods	-	-
ii) Work in Progress	-	-
	-	-
C. Change in Inventory of Closing Stock of Press Job	-	-
Change in Inventory of Stock in trade (A+B+C) {Decretion / (Accretion)}	-	-

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 28 : EMPLOYEE BENEFITS EXPENSES

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
Salary and Wages (incl. Allowances and Bonus etc.)	554.48	434.05
Contribution to P.F. & Other Funds	122.87	119.03
Staff welfare Expenses	20.98	17.74
Total	698.33	570.82

Pending finalization of the National Coal wage agreement (NCWA-XI) for non Executives considering the total impact of the increase in all elements of salary & Wages an estimated provision of Rs 83.87/- crores @ Rs 19,100/- per employee (Non Executive) per month has been recognised for the period from 01.07.2021 to 31.03.2023.

NOTE 29 : CORPORATE SOCIAL RESPONSIBILITY EXPENSE

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
CSR Expenses	7.30	6.86
Total	7.30	6.86

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 29 (Contd.)

CORPORATE SOCIAL RESPONSIBILITY EXPENSE

Annexure To Note 29 : CSR Expenses

(₹ in Crore)

A. Activity wise break-up of CSR Expenses (including Excess Spent) :	For the year ended 31.03.2023	For the year ended 31.03.22
Eradicating hunger, poverty and malnutrition	4.51	4.93
Promoting education, including special education and employment enhancing vocation skills	3.01	0.80
Gender equality and measures for reducing inequalities faced by socially and economically backward groups	0.07	0.47
Environmental sustainability	0.99	0.62
Protection of national heritage, art and culture	-	-
Benefit of armed forces veterans, war widows and their dependents	-	-
Training to promote rural sports, nationally recognized sports, Paralympic sports and Olympic sports	-	-
Contribution to fund set up by the Central government for socio economic development	-	-
Contribution to incubators or research and development projects	-	-
Contributions to Universities and Research Institutes	-	-
Rural development projects	-	-
Slum area development	-	-
Admin Expenditure	0.34	0.04
Disaster management, including relief, rehabilitation and reconstruction activities	-	-
Total	8.92	6.86

B. CSR required to be spent and CSR Expenditure Break-up

(₹ in Crore)

(a) Amount Required to be spent during the year	7.30	6.61
(b) Amount approved by the Board to be spent during the year	10.00	7
(c) Amount spent during the year on:		
(i) Construction/Acquisition of any asset	Nil	Nil
(ii) on purposes other than (i) above	Nil	Nil
Total		

C. Reconciliation of CSR Expenses recognised and CSR Expenses spent

(₹ in Crore)

	2022-23	2021-22
CSR Expenses Spent	8.92	6.86
Less: Excess carried forward/(Utilised) during the year	1.62	-
Add: Unspent CSR expense on ongoing projects		
Add: Unspent CSR expense on other than ongoing		
Amount recognised in P&L	7.30	6.86

D. Unspent amount Other than ongoing Project [Section 135(5)]

	2022-23	2021-22
Opening Balance	-	-
Deposited in specific fund of sch. VII within 6 months	-	-
Amount required to be spent during the year	-	-
Amount Spent During the year	-	-

E. Excess amount spent [Section 135(5)]

(₹ in Crore)

Year wise Details	Opening Balance	Amount required to be spent during the year	Amount spent during the year	Closing Balance
2020-21	-	4.65	4.66	0.01
2021-22	-	6.61	6.86	0.25
2022-23	-	7.30	8.92	1.62
Total				

Refer footnote to Other Advances and Deposits under Note -11 : Other Current Assets

F. Unspent Ongoing Project [Section 135(6)] (year-wise)

Opening balance	With Company	2022-23	2021-22
	In Separate CSR Account		
Amount required to be spent during the year			
Amount spent during the year	from companies bank account		
	In Separate CSR Account		
Closing balance	With Company		
	In Separate CSR Account		



G. Provision for Liability of CSR Expenses

(₹ in Crore)

	2022-23
Opening Balance	0.90
Addition during the period	4.16
Adjustment during the year	1.90
Closing Balance	3.16

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 30 : REPAIRS

(₹ in Crore)

	For the Year ended	For the Year ended
	31.03.2023	31.03.2022
Building	14.96	8.51
Plant & Machinery	12.28	10.01
Others	4.09	2.74
Total	31.33	21.26



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 31 : CONTRACTUAL EXPENSES

(₹ in Crore)

	For the Year ended	For the Year ended
	31.03.2023	31.03.2022
Transportation Charges :	7.69	-
Hiring of Plant and Equipments	16.42	-
Other Contractual Work	118.64	145.87
CMPDI Contractual expenses	<u>142.75</u>	<u>145.87</u>
Total		

NOTE 32 : FINANCE COSTS

(₹ in Crore)

	For the Year ended	For the Year ended
	31.03.2023	31.03.2022
Interest Expenses		
Borrowings	-	-
Unwinding of discounts	0.09	0.07
Others	-	-
Total	<u>0.09</u>	<u>0.07</u>

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 33 : PROVISIONS

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
ALLOWANCE/PROVISION MADE FOR		
Doubtful debts	-	-
Doubtful Advances & Claims	-	-
Stores & Spares	0.04	-
Others	-	-
Total	0.04	-

NOTE 34 : WRITE OFF (Net of past provisions)

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
Doubtful debts	-	-
Less :- Provided earlier	-	-
Grade Variance	-	-
Doubtful advances	-	-
Less :- Provided earlier	-	-
Stock of Coal	-	-
Less :- Provided earlier	-	-
Others	-	-
Less :- Provided earlier	-	-
Total	-	-



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 35 : OTHER EXPENSES

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
Travelling expenses	22.24	13.93
Training Expenses	1.75	1.76
Telephone & Internet	3.99	4.76
Advertisement & Publicity	1.56	1.31
Freight Charges	-	-
Demurrage	-	-
Security Expenses	24.89	20.27
Service Charges of CIL	-	-
Legal Expenses	0.32	0.08
Consultancy Charges	1.28	0.81
Under Loading Charges	-	-
Loss on Sale/Discard/Surveyed of Assets	-	-
Auditor's Remuneration & Expenses		
- For Audit Fees	0.09	0.08
- For Taxation Matters	-	0.04
- For Other Services		
- For Reimbursement of Exps.	0.28	-
Internal & Other Audit Expenses	0.96	1.00
Rehabilitation Charges		-
Lease Rent & Hiring Charges	15.12	13.10
Rates & Taxes	1.24	1.34
Insurance	0.44	0.33
Loss on Exchange Rate Variance	0.05	0.06
Other Rescue/Safety Expenses		-
Siding Maintenance Charges	-	-
R & D expenses	0.04	-
Environmental & Tree Plantation Expenses	2.66	1.75
Donations, Rewards & Grant	0.01	
Miscellaneous expenses	9.67	7.53
Total	86.59	68.15

Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 36 : Tax Expense

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
Current Year	76.00	75.03
Deferred tax	9.07	8.89
Earlier Years	(14.78)	-
Total	70.29	83.92

Reconciliation of tax Expenses and the accounting profit	For the year ended 31.03.2023	For the year ended 31.03.2022
Profit Before Tax	366.95	366.04
At income tax rate of 25.168%	92.35	92.12
less Tax on allowable expenses	55.57	23.45
Add: Tax on non deductible expenses	39.22	6.36
Income Tax Expenses as per normal (A)	76.00	75.03
Income tax under MAT provision(Sec 115JB) (B)	-	-
Tax Payable higher of A/B	76.00	75.03
MAT credit entitlement	-	-
Deferred tax	9.07	8.89
Tax for earlier years	(14.78)	-
Income tax expenses reported in statement of profit & loss	70.29	83.92
Effective income tax rate:	19.16	22.93

Deferred tax liability relates to following:	31.03.2023	31.03.2022
A. Deferred Tax Assets:		
Provision for Doubtful Advances, Claims & Debts	0.65	0.85
Employee Benefits	68.05	75.75
Others (Includes taxable losses)	0.05	0.04
TOTAL OF (A)	68.75	76.64
B. Deferred Tax Liability:		
Related to Fixed Assets	10.86	9.67
Others	-	-
TOTAL OF (B)	10.86	9.67
C. Net Deferred Tax Assets (A-B)	57.89	66.97



Central Mine Planning & Design Institute Limited

NOTES TO THE FINANCIAL STATEMENTS

NOTE 37 : Other Comprehensive Income

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
(A)(i) Items that will not be reclassified to profit or loss		
Remeasurement of defined benefit plans	25.95	26.65
	<u>25.95</u>	<u>26.65</u>
(ii) Income tax relating to items that will not be reclassified to profit or loss		
Remeasurement of defined benefit plans	6.53	6.71
	<u>6.53</u>	<u>6.71</u>
Total (A)	<u>19.42</u>	<u>19.94</u>
(B)(i) Items that will be reclassified to profit or loss		
Share of OCI in Joint ventures	-	-
	<u>-</u>	<u>-</u>
(ii) Income tax relating to items that will be reclassified to profit or loss		
Share of OCI in Joint ventures	-	-
	<u>-</u>	<u>-</u>
Total (B)	<u>-</u>	<u>-</u>
Total (A+B)	<u>19.42</u>	<u>19.94</u>

Income tax on remeasurement of defined benefit plans includes current tax ₹ 6.53 crores for the period ended 31.03.2023 (for the year ended 31.03.2022 ₹ 6.71 crores)

Note 1 : CORPORATE INFORMATION

Central Mine Planning & Design Institute Limited (CMPDIL) was incorporated under the Indian Companies Act, 1956 to provide consultancy support in coal and mineral exploration including geological, geophysical, hydrological and environmental data generation to CIL and its Subsidiaries and to other outside companies. CMPDIL is a Schedule 'B' / Miniratna-Cat-I CPSE under the administrative control of Ministry of Coal. CMPDIL is a 100% subsidiary of Coal India Ltd. (CIL). Its Registered office is situated at Gondwana Place, Kanke Road, Ranchi - 834 031, Jharkhand, India. The authorized and paid up share capital of the Company is Rs. 150 crore and Rs. 142.80 crore respectively as on March 31, 2023.

Note 2 : SIGNIFICANT ACCOUNTING POLICIES

2.1 Basis of preparation

The financial statements of the Company have been prepared in accordance with Indian Accounting Standards (Ind AS) notified under the section 133 of Companies Act, 2013 ("The Act") (Indian Accounting Standards) Rules, 2015.

The financial statements have been prepared on historical cost basis of measurement, except for

- Certain financial assets and liabilities measured at fair value.
- Defined benefit plans- plan assets measured at fair value.
- Inventories at Cost or NRV whichever is lower.

2.1.1 Rounding of amounts

Amounts in these financial statements have, unless otherwise indicated, have been rounded off to the 'rupees in crore' up to two decimal points.

2.2 Current and Non-current Classification

The Company presents assets and liabilities in the Balance Sheet based on current/ non-current classification.

An asset is treated as current when:

- (a) It expects to realise the asset, or intends to sell or consume it, in its normal operating cycle;
- (b) It holds the asset primarily for the purpose of trading;
- (c) It expects to realise the asset within twelve months after the reporting period; or
- (d) The asset is cash or a cash equivalent (as defined in Ind AS 7) unless the asset is restricted from being exchanged or used to settle a liability for at least twelve months after the reporting period. All other assets are classified as non-current.

An entity shall classify a liability as current when:

- (a) It expects to settle the liability in its normal operating cycle;
- (b) It holds the liability primarily for the purpose of trading;
- (c) The liability is due to be settled within twelve months after the reporting period; or



- (d) It does not have an unconditional right to defer settlement of the liability for at least twelve months after the reporting period. Terms of a liability that could, at the option of the counterparty, result in its settlement by the issue of equity instruments do not affect its classification.

All other liabilities are classified as non-current.

2.3 Revenue recognition

Revenue from contracts with customers

Revenue from contracts with customers is recognized when control of the goods or services are transferred to the customer at an amount that reflects the consideration to which the Company expects to be entitled in exchange for those goods or services. The Company has generally concluded that it is the principal in its revenue arrangements because it typically controls the goods or services before transferring them to the customer.

The principles in Ind AS 115 are applied using the following five steps:

Step 1 : Identifying the contract:

The Company account for a contract with a customer only when all of the following criteria are met:

- The parties to the contract have approved the contract and are committed to perform their respective obligations;
- The Company can identify each party's rights regarding the goods or services to be transferred;
- The Company can identify the payment terms for the goods or services to be transferred;
- The contract has commercial substance (i.e. the risk, timing or amount of the Company's future cash flows is expected to change as a result of the contract); and
- it is probable that the Company will collect the consideration to which it will be entitled in exchange for the goods or services that will be transferred to the customer. The amount of consideration to which the Company will be entitled may be less than the price stated in the contract if the consideration is variable because the Company may offer the customer a price concession, discount, rebates, refunds, credits or be entitled to incentives, performance bonuses, or similar items.

Combination of contracts

The Company combines two or more contracts entered into at or near the same time with the same customer (or related parties of the customer) and account for the contracts as a single contract if one or more of the following criteria are met:

- The contracts are negotiated as a package with a single commercial objective;
- The amount of consideration to be paid in one contract depends on the price or performance of the other contract; or
- The goods or services promised in the contracts (or some goods or services promised in each of the contracts) are a single performance obligation.

Contract modification

The Company account for a contract modification as a separate contract if both of the following conditions are present:

- a) The scope of the contract increases because of the addition of promised goods or services that are distinct and
- b) The price of the contract increases by an amount of consideration that reflects the company's stand-alone selling prices of the additional promised goods or services and any appropriate adjustments to that price to reflect the circumstances of the particular contract.

Step 2 : Identifying performance obligations:

At contract inception, the Company assesses the goods or services promised in a contract with a customer and identify as a performance obligation each promise to transfer to the customer either:

- a) A good or service (or a bundle of goods or services) that is distinct; or
- b) A series of distinct goods or services that are substantially the same and that have the same pattern of transfer to the customer.

Step 3 : Determining the transaction price

The Company consider the terms of the contract and its customary business practices to determine the transaction price. The transaction price is the amount of consideration to which the Company expects to be entitled in exchange for transferring promised goods or services to a customer, excluding amounts collected on behalf of third parties. The consideration promised in a contract with a customer may include fixed amounts, variable amounts, or both.

When determining the transaction price, a Company consider the effects of all of the following:

- Variable consideration;
- Constraining estimates of variable consideration;
- The existence of significant financing component;
- Non – cash consideration;
- Consideration payable to a customer.

An amount of consideration can vary because of discounts, rebates, refunds, credits, price concessions, incentives, performance bonuses, or other similar items. The promised consideration can also vary if the Company's entitlement to the consideration is contingent on the occurrence or non-occurrence of a future event.

In some contracts, penalties are specified. In such cases, penalties are accounted for as per the substance of the contract. Where the penalty is inherent in determination of transaction price, it forms part of variable consideration.

The Company includes in the transaction price some or all of an amount of estimated variable consideration only to the extent that it is highly probable that a significant reversal in the amount of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is subsequently resolved.



The Company does not adjust the promised amount of consideration for the effects of a significant financing component if it expects, at contract inception, that the period between when it transfers a promised Goods or Service to a customer and when the customer pays for that good or service will be one year or less.

The Company recognizes a refund liability if the Company receives consideration from a customer and expects to refund some or all of that consideration to the customer. A refund liability is measured at the amount of consideration received (or receivable) for which the company does not expect to be entitled (i.e. amounts not included in the transaction price). The refund liability (and corresponding change in the transaction price and, therefore, the contract liability) is updated at the end of each reporting period for changes in circumstances.

After contract inception, the transaction price can change for various reasons, including the resolution of uncertain events or other changes in circumstances that change the amount of consideration to which the Company expects to be entitled in exchange for the promised goods or services.

Step 4 : Allocating the transaction price:

The objective when allocating the transaction price is for the Company to allocate the transaction price to each performance obligation (or distinct Good or Service) in an amount that depicts the amount of consideration to which the Company expects to be entitled in exchange for transferring the promised goods or services to the customer.

To allocate the transaction price to each performance obligation on a relative stand-alone selling price basis, the Company determines the stand-alone selling price at contract inception of the distinct Good or Service underlying each performance obligation in the contract and allocate the transaction price in proportion to those stand-alone selling prices..

Step 5 : Recognizing revenue:

The Company recognizes revenue when (or as) the Company satisfies a performance obligation by transferring a promised good or service to a customer. A Good or Service is transferred when (or as) the customer obtains control of that Good or Service.

The Company transfers control of a Good or Service over time and, therefore, satisfies a performance obligation and recognizes revenue over time, if one of the following criteria is met:

- a) The customer simultaneously receives and consumes the benefits provided by the company's performance as the Company performs;
- b) The Company's performance creates or enhances an asset that the customer controls as the asset is created or enhanced;
- c) The Company's performance does not create an asset with an alternative use to the Company and the Company has an enforceable right to payment for performance completed to date.

For each performance obligation satisfied over time, the Company recognizes revenue over time by measuring the progress towards complete satisfaction of that performance obligation.

The Company applies a single method of measuring progress for each performance obligation satisfied over time and the Company applies that method consistently to similar performance obligations and in similar circumstances. At the end of each reporting period, the Company

re-measure its progress towards complete satisfaction of a performance obligation satisfied over time.

Company apply output methods to recognize revenue on the basis of direct measurements of the value to the customer of the goods or services transferred to date relative to the remaining goods or services promised under the contract. Output methods include methods such as surveys of performance completed to date, appraisals of results achieved, milestones reached, time elapsed and units produced or units delivered.

As circumstances change over time, the Company update its measure of progress to reflect any changes in the outcome of the performance obligation. Such changes to the Company's measure of progress is accounted for as a change in accounting estimate in accordance with Ind AS 8, Accounting Policies, Changes in Accounting Estimates and Errors.

The Company recognizes revenue for a performance obligation satisfied over time only if the Company can reasonably measure its progress towards complete satisfaction of the performance obligation. When (or as) a performance obligation is satisfied, the company recognize as revenue the amount of the transaction price (which excludes estimates of variable consideration that are constrained that is allocated to that performance obligation.

If a performance obligation is not satisfied over time, the Company satisfies the performance obligation at a point in time. To determine the point in time at which a customer obtains control of a promised good or service and the Company satisfies a performance obligation, the Company consider indicators of the transfer of control, which include, but are not limited to, the following:

- a) The Company has a present right to payment for the good or service;
- b) The customer has legal title to the good or service;
- c) The Company has transferred physical possession of the good or service;
- d) The customer has the significant risks and rewards of ownership of the good or service;
- e) The customer has accepted the good or service.

When either party to a contract has performed, the Company present the contract in the balance sheet as a contract asset or a contract liability, depending on the relationship between the Company's performance and the customer's payment. The Company present any unconditional rights to consideration separately as a receivable.

Contract assets:

A contract asset is the right to consideration in exchange for goods or services transferred to the customer. If the Company performs by transferring goods or services to a customer before the customer pays consideration or before payment is due, a contract asset is recognized for the earned consideration that is conditional.

Trade receivables:

A receivable represents the Company's right to an amount of consideration that is unconditional (i.e., only the passage of time is required before payment of the consideration is due).

Contract liabilities:

A contract liability is the obligation to transfer Goods or Services to a customer for which the Company has received consideration (or an amount of consideration is due) from the



customer. If a customer pays consideration before the Company transfers Goods or Services to the customer, a contract liability is recognized when the payment made or due (whichever is earlier). Contract liabilities are recognized as revenue when the Company performs under the contract.

Interest

Interest income is recognised using the Effective Interest Method.

Dividend

Dividend income from investments is recognised when the rights to receive payment is established.

Other Claims

Other claims (including interest on delayed realization from customers) are accounted for, when there is certainty of realisation and can be measured reliably.

2.4 Grants from Government

Government Grants are not recognised until there is reasonable assurance that the Company will comply with the conditions attached to them and that the grants will be received.

Government grants are recognised in Statement of Profit & Loss on a systematic basis over the periods in which the Company recognises as expenses the related costs against which the grants are intended to compensate.

Government Grants related to assets are presented in the Balance Sheet by setting up the grant as deferred income.

Grants related to income (i.e. grant related to other than assets) are presented as part of Statement of Profit or Loss under the general heading 'Other Income'.

A government grant that becomes receivable as compensation for expenses or losses already incurred or for the purpose of giving immediate financial support to the entity with no future related costs, is recognised in profit or loss of the period in which it becomes receivable

2.5 Leases

A contract is, or contains, a lease if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration.

2.5.1 Company as a lessee

At the commencement date, a lessee shall recognise a right-of-use asset at cost and a lease liability at the present value of the lease payments that are not paid at that date for all leases unless the lease term is 12 months or less or the underlying asset is of low value.

Subsequently, right-of-use asset is measured using cost model whereas, the lease liability is measured by increasing the carrying amount to reflect interest on the lease liability, reducing the carrying amount to reflect the lease payments made and re-measuring the carrying amount to reflect any reassessment or lease modifications.

Finance charges are recognised in finance costs in the Statement of Profit and Loss, unless the costs are included in the carrying amount of another asset applying other applicable standards.

Right-of-use asset is depreciated over the useful life of the asset, if the lease transfers ownership of the asset to the lessee by the end of the lease term or if the cost of the right-to-use asset reflects that the lessee will exercise a purchase option. Otherwise, the lessee shall depreciate the right-to-use asset from the commencement date to the earlier of the end of the useful life of the right-of-use asset or the end of the lease term

2.5.2 Company as a lessor

All leases are either an operating lease or a finance lease.

A lease is classified as a finance lease if it transfers substantially all the risks and rewards incidental to ownership of an underlying asset. A lease is classified as an operating lease if it does not transfer substantially all the risks and rewards incidental to ownership of an underlying asset

Operating leases - lease payments from operating leases are recognised as income on either a straight-line basis unless another systematic basis is more representative of the pattern in which benefit from the use of the underlying asset is diminished.

Finance leases - assets held under a finance lease is initially recognised in its Balance Sheet and present them as a receivable at an amount equal to the net investment in the lease using the interest rate implicit in the lease to measure the net investment in the lease.

Subsequently, finance income is recognised over the lease term, based on a pattern reflecting a constant periodic rate of return on the lessor's net investment in the lease.

2.6 Property, Plant and Equipment (PPE)

Land is carried at historical cost. Historical cost includes expenditure which are directly attributable to the acquisition of the land like, rehabilitation expenses, resettlement cost and compensation in lieu of employment incurred for concerned displaced persons etc.

After recognition, an item of all other Property, Plant and Equipment are carried at its cost less any accumulated depreciation and any accumulated impairment losses under Cost. The cost of an item of Property, Plant and Equipment comprises:



- (a) Its purchase price, including import duties and non-refundable purchase taxes, after deducting trade discounts and rebates.
- (b) Any costs directly attributable to bringing the asset to the location and condition necessary for it to be capable of operating in the manner intended by management.
- (c) The initial estimate of the costs of dismantling and removing the item and restoring the site on which it is located, the obligation for which an entity incurs either when the item is acquired or as a consequence of having used the item during a particular period for purposes other than to produce inventories during that period.

Each part of an item of Property, Plant and Equipment with a cost that is significant in relation to the total cost of the item depreciated separately. However, significant part(s) of an item of PPE having same useful life and depreciation method are grouped together in determining the depreciation charge.

Costs of the day to-day servicing described as for the 'Repairs and Maintenance' are recognised in the statement of profit and loss in the period in which the same are incurred.

Subsequent cost of replacing parts of an item of Property, Plant and Equipment are recognised in the carrying amount of the item, if it is probable that future economic benefits associated with the item will flow to the group; and the cost of the item can be measured reliably. The carrying amount of those parts that are replaced is derecognised in accordance with the derecognition policy mentioned below.

When major inspection is performed, its cost is recognised in the carrying amount of the item of Property, Plant and Equipment as a replacement if it is probable that future economic benefits associated with the item will flow to the group; and the cost of the item can be measured reliably. Any remaining carrying amount of the cost of the previous inspection (as distinct from physical parts) is derecognised.

An item of Property, Plant or Equipment is derecognised upon disposal or when no future economic benefits are expected from the continued use of assets. Any gain or loss arising on such derecognition of an item of Property Plant and Equipment is recognised in Profit and Loss.

Depreciation on Property, Plant and Equipment, except freehold land, is provided as per cost model on straight line basis over the estimated useful lives of the asset as follows:

Other Land

(Incl. Leasehold Land)	:	Life of the project or lease term whichever is lower
Building	:	3-60 years
Roads	:	3-10 years
Telecommunication	:	3-9 years
Plant and Equipment	:	5-15 years
Computers and Laptops	:	3 Years
Office equipment	:	3-6 years

Furniture and Fixtures	:	10 years
Vehicles	:	8-10 years

Based on technical evaluation, the management believes that the useful lives given above best represents the period over which the management expects to use the asset. Hence the useful lives of the assets may be different from useful lives as prescribed under Part C of Schedule II of Companies Act, 2013.

The estimated useful life of the assets is reviewed at the end of each financial year.

The residual value of Property, Plant and Equipment is considered as 5% of the original cost of the asset.

Depreciation on the assets added / disposed of during the year is provided on pro-rata basis with reference to the month of addition / disposal.

Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement (RFCTLAAR) Act, 2013, Long term transfer of government land etc, which is amortised on the basis of the balance life of the project, and in case of Leasehold land such is amortisation is based on lease period or balance life of the project whichever is lower.

Fully depreciated assets, retired from active use are disclosed separately as surveyed off assets at its residual value under Property, Plant and Equipment are tested for impairment.

Capital Expenses incurred by the company on construction/development of certain assets which are essential for production, supply of goods or for the access to any existing Assets of the company are recognised as Enabling Assets under Property, Plant and Equipment.

Transition to Ind AS

The Company elected to continue with the carrying value as per cost model (for all of its Property, Plant and Equipment as recognised in the financial statements as at the date of transition to Ind ASs, measured as per the previous GAAP

2.7 Intangible Assets

Intangible assets acquired separately are measured on initial recognition at cost. The cost of intangible assets acquired in a business combination is their fair value at the date of acquisition. Following initial recognition, intangible assets are carried at cost less any accumulated amortisation (calculated on a straight-line basis over their useful lives) and accumulated impairment losses, if any.

Internally generated intangibles, excluding capitalised development costs, are not capitalised. Instead, the related expenditure is recognised in the statement of Profit or Loss and other comprehensive income in the period in which the expenditure is incurred. The useful lives of intangible assets are assessed as either finite or indefinite. Intangible assets with finite lives are amortised over their useful economic lives and assessed for impairment whenever there is an indication that the intangible asset may be impaired. The amortisation period and the amortisation method for an intangible asset with a finite useful life are reviewed at least at the end of each reporting period. Changes in the expected useful life or the expected pattern

of consumption of future economic benefits embodied in the asset are considered to modify the amortisation period or method, as appropriate, and are treated as changes in accounting estimates. The amortisation expense on intangible assets with finite lives is recognised in the statement of profit or loss.

An intangible asset with an indefinite useful life is not amortised but is tested for impairment at each reporting date.

Gains or losses arising from derecognition of an intangible asset are measured as the difference between the net disposal proceeds and the carrying amount of the asset and are recognised in the statement of profit or loss.

2.8 Impairment of Assets

The Company assesses at the end of each reporting period whether there is any indication that an asset may be impaired. If any such indication exists, the Company estimates the recoverable amount of the asset. An asset's recoverable amount is the higher of the asset's or cash-generating unit's value in use and its fair value less costs of disposal, and is determined for an individual asset, unless the asset does not generate cash inflows that are largely independent of those from other assets or groups of assets, in which case the recoverable amount is determined for the cash-generating unit to which the asset belongs. Company considers individual mines as separate cash generating units for the purpose of test of impairment.

If the recoverable amount of an asset is estimated to be less than its carrying amount, the carrying amount of the asset is reduced to its recoverable amount and the impairment loss is recognised in the Statement of Profit and Loss.

2.9 Financial Instruments

A financial instrument is any contract that gives rise to a financial asset of one entity and a financial liability or equity instrument of another entity.

2.9.1 Financial assets

2.9.1 Initial recognition and measurement

All financial assets are recognised initially at fair value, in the case of financial assets not recorded at fair value through profit or loss, plus transaction costs that are attributable to the acquisition of the financial asset. Purchases or sales of financial assets that require delivery of assets within a time frame established by regulation or convention in the market place (regular way trades) are recognised on the trade date, i.e., the date that the Company commits to purchase or sell the asset.

2.9.2 Subsequent measurement

For purposes of subsequent measurement, financial assets are classified in four categories:

- Debt instruments at amortised cost
- Debt instruments at fair value through other comprehensive income (FVTOCI)
- Debt instruments, derivatives and equity instruments at fair value through profit or loss (FVTPL)
- Equity instruments measured at fair value through other comprehensive income (FVTOCI)

2.9.2.1 Derecognition

A financial asset (or, where applicable, a part of a financial asset or part of a group of similar financial assets) is primarily derecognised (i.e. removed from the balance sheet) when:

- The rights to receive cash flows from the asset have expired, or
- The Company has transferred its rights to receive cash flows from the asset or has assumed an obligation to pay the received cash flows in full without material delay to a third party under a 'pass-through' arrangement; and either (a) the Company has transferred substantially all the risks and rewards of the asset, or (b) the Company has neither transferred nor retained substantially all the risks and rewards of the asset, but has transferred control of the asset.

When the Company has transferred its rights to receive cash flows from an asset or has entered into a pass-through arrangement, it evaluates if and to what extent it has retained the risks and rewards of ownership. When it has neither transferred nor retained substantially all of the risks and rewards of the asset, nor transferred control of the asset, the Company continues to recognise the transferred asset to the extent of the Company's continuing involvement. In that case, the Company also recognises an associated liability. The transferred asset and the associated liability are measured on a basis that reflects the rights and obligations that the Company has retained. Continuing involvement that takes the form of a guarantee over the transferred asset is measured at the lower of the original carrying amount of the asset and the maximum amount of consideration that the Company could be required to repay.

2.9.2.2 Impairment of financial assets (other than fair value)

In accordance with Ind AS 109, the Company applies expected credit loss (ECL) model for measurement and recognition of impairment loss on the following financial assets and credit risk exposure:

- a) Financial assets that are debt instruments, and are measured at amortised cost e.g., loans, debt securities, deposits, trade receivables and bank balance.
- b) Financial assets that are debt instruments and are measured as at FVTOCI.
- c) Lease receivables under Ind AS 17.
- d) Trade receivables or any contractual right to receive cash or another financial asset that result from transactions that are within the scope of Ind AS 11 and Ind AS 18.

The Company follows 'simplified approach' for recognition of impairment loss allowance on:

- Trade receivables or contract revenue receivables; and
- All lease receivables resulting from transactions within the scope of Ind AS 17

The application of simplified approach does not require the Company to track changes in credit risk. Rather, it recognises impairment loss allowance based on lifetime ECLs at each reporting date, right from its initial recognition.

2.9.3 Financial liabilities

2.9.3.1 Initial recognition and measurement

The Company financial liabilities include trade and other payables, loans and borrowings including bank overdrafts.

All financial liabilities are recognised initially at fair value and, in the case of loans and borrowings and payables, net of directly attributable transaction costs.

2.9.3.2 *Subsequent measurement*

The measurement of financial liabilities depends on their classification, as described below:

2.9.3.3 *Financial liabilities at fair value through profit or loss*

Financial liabilities at fair value through profit or loss include financial liabilities held for trading and financial liabilities designated upon initial recognition as at fair value through profit or loss. Financial liabilities are classified as held for trading if they are incurred for the purpose of repurchasing in the near term. This category also includes derivative financial instruments entered into by the Company that are not designated as hedging instruments in hedge relationships as defined by Ind AS 109. Separated embedded derivatives are also classified as held for trading unless they are designated as effective hedging instruments.

Gains or losses on liabilities held for trading are recognised in the profit or loss.

Financial liabilities designated upon initial recognition at fair value through profit or loss are designated as such at the initial date of recognition, and only if the criteria in Ind AS 109 are satisfied. For liabilities designated as FVTPL, fair value gains/ losses attributable to changes in own credit risk are recognized in OCI. These gains/ loss are not subsequently transferred to P&L. However, the Company may transfer the cumulative gain or loss within equity. All other changes in fair value of such liability are recognised in the statement of profit or loss. The Company has not designated any financial liability as at fair value through profit and loss.

2.9.3.4 *Financial liabilities at amortised cost*

After initial recognition, these are subsequently measured at amortised cost using the effective interest rate method. Gains and losses are recognised in profit or loss when the liabilities are derecognised as well as through the effective interest rate amortisation process. Amortised cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the effective interest rate. The effective interest rate amortisation is included as finance costs in the statement of profit and loss. This category generally applies to borrowings.

2.9.3.5 *Derecognition*

A financial liability is derecognised when the obligation under the liability is discharged or cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as the derecognition of the original liability and the recognition of a new liability. The difference between the carrying amount of a financial liability (or part of a financial liability) extinguished or transferred to another party and the consideration paid, including any non-cash assets transferred or liabilities assumed, shall be recognised in profit or loss.

2.9.4 *Reclassification of financial assets*

The Company determines classification of financial assets and liabilities on initial recognition. After initial recognition, no reclassification is made for financial assets which are equity

instruments and financial liabilities. For financial assets which are debt instruments, a reclassification is made only if there is a change in the business model for managing those assets. Changes to the business model are expected to be infrequent. The Company senior management determines change in the business model as a result of external or internal changes which are significant to the Company operations. Such changes are evident to external parties. A change in the business model occurs when the Company either begins or ceases to perform an activity that is significant to its operations. If the Company reclassifies financial assets, it applies the reclassification prospectively from the reclassification date which is the first day of the immediately next reporting period following the change in business model. The group does not restate any previously recognised gains, losses (including impairment gains or losses) or interest.

The following table shows various reclassification and how they are accounted for

Original classification	Revised classification	Accounting treatment
Amortised cost	FVTPL	Fair value is measured at reclassification date. Difference between previous amortized cost and fair value is recognised in P&L.
FVTPL	Amortised Cost	Fair value at reclassification date becomes its new gross carrying amount. EIR is calculated based on the new gross carrying amount.
Amortised cost	FVTOCI	Fair value is measured at reclassification date. Difference between previous amortised cost and fair value is recognised in OCI. No change in EIR due to reclassification.
FVTOCI	Amortised cost	Fair value at reclassification date becomes its new amortised cost carrying amount. However, cumulative gain or loss in OCI is adjusted against fair value. Consequently, the asset is measured as if it had always been measured at amortised cost.
FVTPL	FVTOCI	Fair value at reclassification date becomes its new carrying amount. No other adjustment is required.
FVTOCI	FVTPL	Assets continue to be measured at fair value. Cumulative gain or loss previously recognized in OCI is reclassified to P&L at the reclassification date.

2.9.5 Offsetting of financial instruments

Financial assets and financial liabilities are offset and the net amount is reported in the consolidated balance sheet if there is a currently enforceable legal right to offset the recognised amounts and there is an intention to settle on a net basis, to realise the assets and settle the liabilities simultaneously.

2.9.6 Cash & Cash equivalents

Cash and cash equivalent in the balance sheet comprise cash at banks and on hand and short-term deposits with an original maturity of three months or less, which are subject to an insignificant risk of changes in value. For the purpose of the consolidated statement of cash flows, cash and cash equivalents consist of cash and short-term deposits, as defined above, net of outstanding bank overdrafts as they are considered an integral part of the company's cash management.



2.10 Taxation

Income tax expense represents the sum of the tax currently payable and deferred tax.

Current tax is the amount of income taxes payable (recoverable) in respect of the taxable profit (tax loss) for a period. Taxable profit differs from “profit before income tax” as reported in the statement of profit or loss and other comprehensive income because it excludes items of income or expense that are taxable or deductible in other years and it further excludes items that are never taxable or deductible. The company’s liability for current tax is calculated using tax rates that have been enacted or substantively enacted by the end of the reporting period.

Deferred tax liabilities are generally recognised for all taxable temporary differences. Deferred tax assets are generally recognised for all deductible temporary difference to the extent that it is probable that taxable profits will be available against which those deductible temporary differences can be utilised. Such assets and liabilities are not recognised if the temporary difference arises from goodwill or from the initial recognition (other than in a business combination) of other assets and liabilities in a transaction that affects neither the taxable profit nor the accounting profit.

Deferred tax liabilities are recognised for taxable temporary differences associated with investments in subsidiaries and associates, except where the company is able to control the reversal of the temporary difference and it is probable that the temporary difference will not reverse in the foreseeable future. Deferred tax assets arising from deductible temporary differences associated with such investments and interests are only recognised to the extent that it is probable that there will be sufficient taxable profits against which to utilise the benefits of the temporary differences.

The carrying amount of deferred tax assets is reviewed at the end of each reporting period and reduced to the extent that it is no longer probable that sufficient taxable profits will be available to allow all or part of the asset to be recovered. Unrecognised deferred tax assets are reassessed at the end of each reporting year and are recognised to the extent that it has become probable that sufficient taxable profit will be available to allow all or part of the deferred tax asset to be recovered.

Deferred tax assets and liabilities are measured at the tax rates that are expected to apply in the period in which the liability is settled or the asset is realised, based on tax rate (and tax laws) that have been enacted or substantively enacted by the end of the reporting period.

The measurement of deferred tax liabilities and assets reflects the tax consequences that would follow from the manner in which the company expects, at the end of the reporting period, to recover or settle the carrying amount of its assets and liabilities.

Current and deferred tax are recognised in profit or loss, except when they relate to items that are recognised in other comprehensive income or directly in equity, in which case, the current and deferred tax are also recognised in other comprehensive income or directly in equity respectively. Where current tax or deferred tax arises from the initial accounting for a business combination, the tax effect is included in the accounting for the business combination.

2.11 Employee Benefits

2.11.1 Short-term Benefits

Short-term employee benefits are employee benefits (other than termination benefits) that are expected to be settled wholly before twelve months after the end of the annual reporting period in which the employees render the related service.

All short term employee benefits are recognized in the period in which the services are rendered by employees.

2.11.2 Post-employment benefits and other long term employee benefits

2.11.2.1 *Defined contributions plans*

A defined contribution plan is a post-employment benefit plan under which the company pays fixed contribution into fund maintained by a separate and the company will have no legal or constructive obligation to pay further amounts. Obligations for contributions to defined contribution plans are recognised as an employee benefit expense in the statement of profit and loss in the periods during which services are rendered by employees.

2.11.2.2 *Defined benefits plans*

A defined benefit plan is a post-employment benefit plan other than a defined contribution plan. Gratuity, leave encashment are defined benefit plans (with ceilings on benefits). The company's net obligation in respect of defined benefit plans is calculated by estimating the amount of future benefit that employees have earned in return of their service in the current and prior periods. The benefit is discounted to determine its present value and reduced by the fair value of plan assets, if any. The discount rate is based on the prevailing market yields of Indian Government securities as at the reporting date that have maturity dates approximating the terms of the company's obligations and that are denominated in the same currency in which the benefits are expected to be paid.

The application of actuarial valuation involves making assumptions about discount rate, expected rates of return on assets, future salary increases, mortality rates etc. Due to the long term nature of these plans, such estimates are subject to uncertainties. The calculation is performed at each balance sheet by an actuary using the projected unit credit method. When the calculation results in to the benefit to the company, the recognised asset is limited to the present value of the economic benefits available in the form of any future refunds from the plan or reduction in future contributions to the plan. An economic benefit is available to the company if it is realisable during the life of the plan, or on settlement of plan liabilities.

Re-measurement of the net defined benefit liability, which comprise actuarial gain and losses considering the return on plan assets (excluding interest) and the effects of the assets ceiling (if any, excluding interest) are recognised immediately in the other comprehensive income. The company determines the net interest expense (income) on the net defined benefit liability (asset) for the period by applying the discount rate used to measure the defined benefit obligation at the beginning of the annual period to the then net defined benefit liability (asset), taking into account any changes in the net defined benefit liability (asset) during the period as a result of contributions and benefit payments. Net interest expense and other expenses related to defined benefit plans are recognised in profit and loss.



When the benefits of the plan are improved, the portion of the increased benefit relating to past service by employees is recognised as expense immediately in the statement of profit and loss.

2.11.3 Other Long Terms Employee Benefits

Other long-term employee benefits are all employee benefits other than short-term employee benefits, post-employment benefits and termination benefits.

Other long-term employee benefits include items which are not expected to be settled wholly before twelve months after the end of the annual reporting period in which the employees render the related service.

For other long-term employee benefits, net total of the following amounts is recognized in the statement of profit or loss:

- (a) Service cost
- (b) Net interest on the net defined benefit liability (asset)
- (c) Re-measurements of the net defined benefit liability (asset)

2.12 Foreign Currency

The company's reported currency and the functional currency for majority of its operations is in Indian Rupees (INR) being the principal currency of the economic environment in which it operates.

Transactions in foreign currencies are converted into the reported currency of the company using the exchange rate prevailing at the transaction date. Monetary assets and liabilities denominated in foreign currencies outstanding at the end of the reporting period are translated at the exchange rates prevailing as at the end of reporting period. Exchange differences arising on the settlement of monetary assets and liabilities or on translating monetary assets and liabilities at rates different from those at which they were translated on initial recognition during the period or in previous financial statements are recognised in statement of profit and loss in the period in which they arise.

Non-monetary items denominated in foreign currency are valued at the exchange rates prevailing on the date of transactions.

2.13 Inventories

2.13.1 Stores & Spares

The Stock of stores & spare parts (which also includes loose tools) at central & area stores are considered as per balances appearing in priced stores ledger and are valued at cost calculated on the basis of weighted average method. The inventory of stores & spare parts lying at collieries / sub-stores / drilling camps/ consuming centres are considered at the year end only as per physically verified stores and are valued at cost.

Provisions are made at the rate of 100% for unserviceable, damaged and obsolete stores and spares and at the rate of 50% for stores & spares not moved for 5 years.

2.13.2 Other Inventories

However, Stock of stationery are not considered in inventory considering their value not being significant.

2.14 Provisions, Contingent Liabilities & Contingent Assets

Provisions are recognized when the company has a present obligation (legal or constructive) as a result of a past event, and it is probable that an outflow of economic benefits will be required to settle the obligation and a reliable estimate of the amount of the obligation can be made. Where the time value of money is material, provisions are stated at the present value of the expenditure expected to settle the obligation.

All provisions are reviewed at each balance sheet date and adjusted to reflect the current best estimate.

Where it is not probable that an outflow of economic benefits will be required, or the amount cannot be estimated reliably, the obligation is disclosed as a contingent liability, unless the probability of outflow of economic benefits is remote. Possible obligations, whose existence will only be confirmed by the occurrence or non-occurrence of one or more future uncertain events not wholly within the control of the company, are also disclosed as contingent liabilities unless the probability of outflow of economic benefits is remote.

Contingent Assets are not recognised in the financial statements. However, when the realisation of income is virtually certain, then the related asset is not a contingent asset and its recognition is appropriate.

2.15 Earnings per share

Basic earnings per share are computed by dividing the net profit after tax by the weighted average number of equity shares outstanding during the period. Diluted earnings per shares is computed by dividing the profit after tax by the weighted average number of equity shares considered for deriving basic earnings per shares and also the weighted average number of equity shares that could have been issued upon conversion of all dilutive potential equity shares.

2.16 Judgements, Estimates and Assumptions

The preparation of the financial statements in conformity with Ind AS requires management to make estimates, judgements and assumptions that affect the application of accounting policies and the reported amounts of assets and liabilities, the disclosures of contingent assets and liabilities at the date of financial statements and the amount of revenue and expenses during the reported period. Application of accounting policies involving complex and subjective judgements and the use of assumptions in these financial statements have been disclosed. Accounting estimates could change from period to period. Actual results could differ from those estimates. Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimate are recognised in the period in which the estimates are revised and, if material, their effects are disclosed in the notes to the financial statements.

2.16.1 Judgements

In the process of applying the Company accounting policies, management has made the following judgements, which have the most significant effect on the amounts recognised in the financial statements:

2.16.2 Formulation of Accounting Policies

Accounting policies are formulated in a manner that result in financial statements containing relevant and reliable information about the transactions, other events and conditions to which they apply. Those policies need not be applied when the effect of applying them is immaterial.

In the absence of an Ind AS that specifically applies to a transaction, other event or condition, management has used its judgement in developing and applying an accounting policy that results in information that is:

- a) Relevant to the economic decision-making needs of users and
- b) Reliable in that financial statements :
 - (i) Represent faithfully the financial position, financial performance and cash flows of the entity;
 - (ii) Reflect the economic substance of transactions, other events and conditions, and not merely the legal form;
 - (iii) Are neutral, i.e. free from bias;
 - (iv) Are prudent; and
 - (v) Are complete in all material respects on a consistent basis

In making the judgement management refers to, and considers the applicability of, the following sources in descending order:

- a) The requirements in Ind ASs dealing with similar and related issues; and
- b) The definitions, recognition criteria and measurement concepts for assets, liabilities, income and expenses in the Framework.

In making the judgement, management considers the most recent pronouncements of International Accounting Standards Board and in absence thereof those of the other standard-setting bodies that use a similar conceptual framework to develop accounting standards, other accounting literature and accepted industry practices, to the extent that these do not conflict with the sources in above paragraph.

The group operates in the mining sector (a sector where the exploration, evaluation, development production phases are based on the varied topographical and geomining terrain spread over the lease period running over decades and prone to constant changes), the accounting policies whereof have evolved based on specific industry practices supported by research committees and approved by the various regulators owing to its consistent application over the last several decades. In the absence of specific accounting literature, guidance and standards in certain specific areas which are in the process of evolution. The group continues to strive to develop accounting policies in line with the development of accounting literature

and any development therein shall be accounted for prospectively as per the procedure laid down above more particularly in Ind AS 8.

The financial statements are prepared on going concern basis using accrual basis of accounting

2.16.3 Materiality

Ind AS applies to items which are material. Management uses judgement in deciding whether individual items or groups of item are material in the financial statements. Materiality is judged by reference to the nature or magnitude or both of the item. The deciding factor is whether omitting or misstating or obscuring an information could individually or in combination with other information influence decisions that primary users make on the basis of the financial statements. Management also uses judgement of materiality for determining the compliance requirement of the Ind AS. Further, the Company may also be required to present separately immaterial items when required by law.

W.e.f 01.04.2019 Errors/omissions discovered in the current year relating to prior periods are treated as immaterial and adjusted during the current year, if all such errors and omissions in aggregate does not exceed 1% of total revenue from Operation (net of statutory levies) as per the last audited financial statement of the company.

2.16.3.1 Estimates and assumptions

The key assumptions concerning the future and other key sources of estimation uncertainty at the reporting date, that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year, are described below. The Group based its assumptions and estimates on parameters available when the financial statements were prepared. Existing circumstances and assumptions about future developments, however, may change due to market changes or circumstances arising that are beyond the control of the Group. Such changes are reflected in the assumptions when they occur.

2.16.3.2 Impairment of non-financial assets

There is an indication of impairment if, the carrying value of an asset or cash generating unit exceeds its recoverable amount, which is the higher of its fair value less costs of disposal and its value in use. Group considers individual mines as separate cash generating units for the purpose of test of impairment. The value in use calculation is based on a DCF model. The cash flows are derived from the budget for the next five years and do not include restructuring activities that the Group is not yet committed to or significant future investments that will enhance the asset's performance of the CGU being tested. The recoverable amount is sensitive to the discount rate used for the DCF model as well as the expected future cash-inflows and the growth rate used for extrapolation purposes. These estimates are most relevant to other mining infrastructures. The key assumptions used to determine the recoverable amount for the different CGUs, are disclosed and further explained in respective notes.

2.16.3.3 Taxes

Deferred tax assets are recognised for unused tax losses to the extent that it is probable that taxable profit will be available against which the losses can be utilised. Significant management judgement is required to determine the amount of deferred tax assets that can

be recognised, based upon the likely timing and the level of future taxable profits together with future tax planning strategies. Further details on taxes are disclosed in Note 38.

2.16.3.4 Defined benefit plans

The cost of the defined benefit plan and other post-employment medical benefits and the present value of the obligations are determined using actuarial valuations. An actuarial valuation involves making various assumptions that may differ from actual developments in the future. These include the determination of the discount rate, future salary increases and mortality rates.

Due to the complexities involved in the valuation and its long-term nature, a defined benefit obligation is highly sensitive to changes in these assumptions. All assumptions are reviewed at each reporting date. The parameter most subject to change is the discount rate. In determining the appropriate discount rate for plans operated in India, the management considers the interest rates of government bonds in currencies consistent with the currencies of the post-employment benefit obligation.

The mortality rate is based on publicly available mortality tables of the country. Those mortality tables tend to change only at interval in response to demographic changes.

2.16.3.5 Fair value measurement of financial instruments

When the fair values of financial assets and financial liabilities recorded in the balance sheet cannot be measured based on quoted prices in active markets, their fair value is measured using valuation techniques including the DCF model. The inputs to these models are taken from observable markets where possible, but where this is not feasible, a degree of judgement is required in establishing fair values. Judgements include considerations of inputs such as liquidity risk, credit risk and volatility. Changes in assumptions about these factors could affect the reported fair value of financial instruments.

NOTE – 38 ADDITIONAL NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31st March, 2023.

1. Fair Value Measurement

(a) **Financial Instruments by Category**

(₹ in Crore)

	31 st March 2023		31 st March 2022	
	FVTPL	Amortised cost	FVTPL	Amortised cost
Financial Assets				
Investments :		-		-
Preference Share in Subsidiary - Equity Component - Debt Component		-		-
Mutual Fund/ICD		-		-
Loans		0.06		0.08
Deposits & receivable		95.49		115.86
Trade receivables		822.40		815.90
Cash & cash equivalents		379.97		160.97
Other Bank Balances		90.14		40.14
		-		-
Financial Liabilities		-		-
Borrowings		-		-
Trade payables		145.33		150.94
Security Deposit and Earnest money		100.66		96.05
Other Liabilities		60.80		56.68

(b) **Fair value hierarchy**

Table below shows Judgements and estimates made in determining the fair values of the financial instruments that are (a) recognized and measured at fair value and (b) measured at amortised cost and for which fair values are disclosed in the financial statements. To provide an indication about the reliability of the inputs used in determining fair value, the group has classified its financial instruments into the three levels prescribed under the accounting standard. An explanation of each level follows underneath the table.

Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



(₹ in Crore)

Financial assets and liabilities measured at fair value	31 st March 2023			31 st March 2022		
	Level I	Level II	Level III	Level I	Level II	Level III
Financial Assets at FVTPL						
Investments :	-	-	-	-	-	-
Mutual Fund/ICD	-	-	-	-	-	-
Financial Liabilities						
If any item	-	-	-	-	-	-

(₹ in Crore)

Financial assets and liabilities measured at amortised cost for which fair values are disclosed.	31 st March 2023			31 st March 2022		
	Level I	Level II	Level III	Level I	Level II	Level III
Financial Assets at FVTPL						
Investments :			-			-
Preference Shares						
- Equity Component						
- Debt Component						
- Other Investments			-			-
Loans			0.06			0.08
Deposits, receivable			95.49			115.86
Trade receivables			822.40			815.90
Cash & cash equivalents			379.97			160.97
Other Bank Balances			90.14			40.14
			-			-
Financial Liabilities			-			-
Borrowings			-			-
Trade payables			145.33			150.94
Security Deposit and Earnest money			100.66			96.05
Other Liabilities			60.80			56.68

Level 1: Level 1 hierarchy includes financial instruments measured using quoted prices. This includes mutual funds that have quoted price and are valued using the closing NAV.

Level 2: The fair value of financial instruments that are not traded in an active market is determined using valuation techniques which maximize the use of observable market data and rely as little as possible on entity-specific estimates. If all significant inputs required to fair value an instrument are observable, the instrument is included in level 2.

Level 3: If one or more of the significant inputs is not based on observable market data, the instrument is included in level 3. This is the case for unlisted equity securities, preference shares borrowings, security deposits, loans, trade receivables, cash and cash equivalents and other liabilities/assets taken included in level 3.

(c) Valuation technique used in determining fair value

Valuation techniques used to value financial instruments include:

- The use of quoted market prices (NAV) of instruments in respect of investment in Mutual Funds

(d) Fair value measurements using significant unobservable inputs

At present there are no fair value measurements using significant unobservable inputs.

(e) Fair values of financial assets and liabilities measured at amortised cost

- The carrying amounts of trade receivables, short term deposits, cash and cash equivalents, trade payables are considered to be the same as their fair values, due to their short-term nature.
- The Company considers that the Security Deposits does not include a significant financing component. The security deposits coincide with the company's performance and the contract requires amounts to be retained for reasons other than the provision of finance. The withholding of a specified percentage of each milestone payment is intended to protect the interest of the company, from the contractor failing to adequately complete its obligations under the contract. Accordingly, transaction cost of Security deposit is considered as fair value at initial recognition and subsequently measured at amortised cost.

Significant estimates:The fair value of financial instruments that are not traded in an active market is determined using valuation techniques. The Company uses its judgment to select a method and makes suitable assumptions at the end of each reporting period.

2. FINANCIAL RISK MANAGEMENT

Financial risk management objectives and policies

The Company principal financial liabilities, comprise trade and other payables. The main purpose of these financial liabilities is to finance the Company operations and to provide guarantees to support its operations. The Company principal financial assets include loans, trade and other receivables, and cash and cash equivalents that is derived directly from its operations.

The Company is exposed to market risk, credit risk and liquidity risk. The Company senior management oversees the management of these risks. The Company senior management is supported by a risk committee that advises, inter alia, on financial risks and the appropriate financial risk governance framework for the Company. The risk committee provides assurance to the Board of Directors that the Company financial risk activities are governed by appropriate policies and procedures and that financial risks are identified, measured and managed in accordance with the Company policies and risk objectives. The Board of Directors reviews and agrees policies for managing each of these risks, which are summarized below.

This note explains the sources of risk which the entity is exposed to and how the entity manages the risk and the impact of hedge accounting in the financial statements



Risk	Exposure arising from	Measurement	Management
Credit Risk	Cash and Cash equivalents, trade receivables financial asset measured at amortised cost	Ageing analysis/ Credit Analysis	Department of public enterprises (DPE guidelines), diversification of bank deposits credit limits and other securities
Liquidity Risk	Borrowings and other liabilities	Periodic cash flows	Availability of committed credit lines and borrowing facilities
Market Risk-foreign exchange	Future commercial transactions, recognized financial assets and liabilities not denominated in INR	Cash flow forecast sensitivity analysis	Regular watch and review by senior management and Audit Committee.
Market Risk-interest rate	Cash and Cash equivalents, Bank deposits and mutual funds	Cash flow forecast sensitivity analysis	Department of public enterprises (DPE guidelines), Regular watch and review by senior management and audit committee.

The Company risk management is carried out by the board of directors as per DPE guidelines issued by Government of India. The board provides written principals for overall risk management as well as policies covering investment of excess liquidity.

A. Credit Risk: Credit risk arises when a counterparty defaults on contractual obligations resulting in financial loss to the company.

Provision for Expected credit loss: Company provides for expected credit risk loss for doubtful/ credit impaired assets, by lifetime expected credit losses (Simplified approach). Refer Note - 13, Trade Receivables.

Significant estimates and judgments Impairment of financial assets

The impairment provisions for financial assets disclosed above are based on assumptions about risk of default and expected loss rates. The Company uses judgement in making these assumptions and selecting the inputs to the impairment calculation, based on the Company past history, existing market conditions as well as forward looking estimates at the end of each reporting period.

B. Liquidity Risk

Prudent liquidity risk management implies maintaining sufficient cash and marketable securities and the availability of funding through an adequate amount of committed credit facilities to meet obligations when due. Due to the dynamic nature of the underlying businesses, group treasury maintains flexibility in funding by maintaining availability under committed credit lines.

Management monitors forecasts of the Company liquidity position (comprising the undrawn borrowing facilities) and cash and cash equivalents on the basis of expected cash flows. This is generally carried out at local level in the operating companies of the group in accordance with practice and limits set by the Company.

C. Market risk

a) Foreign currency risk

Foreign currency risk arises from future commercial transactions and recognised assets or liabilities denominated in a currency that is not the Company's functional currency (INR). The Company is exposed to foreign exchange risk arising from foreign currency transactions. Foreign exchange risk in respect of foreign operation is considered to be insignificant. The Company also imports and risk is managed by regular follow up. Company has a policy which is implemented when foreign currency risk becomes significant.

(b) Cash flow and fair value interest rate risk.

The Company main interest rate risk arises from bank deposits with change in interest rate exposes the Company to cash flow interest rate risk. Company policy is to maintain most of its deposits at fixed rate.

Company manages the risk using guidelines from Department of public enterprises (DPE), diversification of bank deposits credit limits and other securities.

Capital management

The company being a government entity manages its capital as per the guidelines of Department of investment and public asset management under ministry of finance.

Capital Structure of the company is as follows:

(₹ in Crore)

	31.03.2023	31.03.2022
Equity Share capital	142.80	142.80
Preference share capital	NIL	NIL
Long term debt	NIL	NIL

3. Employee Benefits: Recognition and Measurement (Ind AS-19)

Defined Benefit Plans:

a) Gratuity

The Company provides for gratuity, a post-employment defined benefit plan ("the Gratuity Scheme") covering the eligible employees. The Gratuity Scheme is fully funded through trust maintained with Life Insurance Corporation of India, wherein employer contribution is 2.01% of basic salary and Dearness allowances. Gratuity payment is made as per policy of the company subject to maximum of Rs 0.20 Crores at the time of separation from the company considering the provisions of the Payment of Gratuity Act 1972 as amended. The liability or asset recognized in the balance sheet in respect of the Gratuity Scheme is the present value of the defined benefit obligation at the end of the reporting period less the fair value of plan assets. The defined benefit obligation is calculated at each reporting date by actuary using the projected unit credit method. Re-measurement gains and losses arising from experience adjustments and changes in actuarial assumptions are recognized in the year in which they occur, directly in other comprehensive income (OCI).



b) Post-Retirement Medical Benefit – Executive (CPRMSE)

Company has post-retirement medical benefit scheme known as Contributory Post Retirement Medicare Scheme for Executive of CIL and its Subsidiaries (CPRMSE), to provide Medicare to the executives and their spouses in Company hospital/empaneled hospitals or outpatient/Domiciliary only in India subject to ceiling limit, on account of retirement on attaining the age of superannuation or are separated by the Company on medical ground or retirement under Voluntary Retirement Scheme under common coal cadre or Voluntary Retirement Scheme formulated and made applicable from time to time. Membership is not extended to the executives who resigns from the services of the CIL and its subsidiaries. The maximum amount reimbursable during the entire life for the retired executives and spouse taken together jointly or severally is Rs 25 lakhs except for specified diseases with no upper limit. The Scheme is funded through trust maintained by the CIL at group level solely for this purpose. The liability for the scheme is recognised based on actuarial valuation done at each reporting date.

c) Post-Retirement Medical Benefit – Non Executive (CPRMS -NE)

As a part of social security scheme under wage agreement, Company is providing Contributory Post-Retirement Medicare Scheme for non-executives (CPRMSE-NE) to provide medical care to the non-executives and their spouses and Divyang Child(ren) in Company hospital/empaneled hospitals or outpatient/Domiciliary only in India subject to ceiling limit, on account of retirement on attaining the age of superannuation or are separated by the Company on medical ground or retirement under Voluntary Retirement Scheme formulated and made applicable from time to time or resigns from the company at the age of 57 Years or above or on death to the spouse and Divyang Child(ren). The maximum amount reimbursable during the entire life for the retired non-executives, spouse and Divyang Child(ren) taken together jointly or severally is Rs 8 lakhs except for specified diseases with no upper limit. The Scheme is funded through trust maintained by the CIL at group level solely for this purpose. The liability for the scheme is recognised based on actuarial valuation done at each reporting date.

Defined Contribution Plans:

a) Provident Fund and Pension

Company pays fixed contribution towards Provident Fund and Pension Fund at pre-determined rates based on a fixed percentage of the eligible employee's salary i.e. 12% and 7% of Basic salary and Dearness Allowance towards Provident Fund and Pension Fund respectively. These funds are governed by a separate statutory body under the control of Ministry of Coal, Government of India, named Coal Mines Provident Fund Organisation (CMPFO). The contribution towards the fund for the period is recognized in the Statement of Profit & Loss

b) CIL Executive Defined Contribution Pension Scheme (NPS)

The company provides a post-employment contributory pension scheme to the executives of the Company known as "CIL Executive Defined Contribution Pension Scheme -2007" (NPS). NPS is being administered through separate trust at group level solely formed for the purpose. The obligation of the Company is to contribute to the trust to the extent of amount not exceeding 30% of basic pay and dearness allowance less employer's contribution towards provident fund, gratuity, post-retirement medical benefits -Executive i.e. CPRMSE or any other retirement benefits. The current employer contribution of 6.99% of basic and Dearness Allowance is being charged to statement of profit and loss.

Other Long Term Employee Benefits

a) Leave encashment

The company provides benefit of total Earned Leave (EL) of 30 days and Half Paid Leave (HPL) of 20 days to the executives of the company, accrued and credited proportionately on half yearly basis on the first day of January and July of every year. During the service, 75% EL credited balance is one time encashable in each calendar year subject to ceiling of maximum 60 days EL encashment. Accumulated HPL is not permitted for encashment during the period of service. On superannuation, EL and HPL together is considered for encashment subject to the overall limit of 300 days without commutation of HPL. In case of non-executives, Leave encashment is governed by the National Coal Wage Agreement (NCWA) and at present the workmen are entitled to get encashment of earned leave at the rate of 15 days per year and on discontinuation of service due to death, retirement, superannuation and VRS, the balance leave or 150 days whichever is less, is allowed for encashment. Therefore, the liabilities for earned leave are expected to be settled during the service as well as after the retirement of employee. They are therefore measured as the present value of expected future payments to be made in respect of services provided by employees up to the end of the reporting period using the projected unit credit method. The benefits are discounted using the market yields at the end of the reporting period that have terms approximating to the terms of the related obligation. The liability under the scheme is borne by the Company as per actuarial valuation at each reporting date.

b) Life Cover Scheme (LCS)

As a part of social security scheme under wage agreement, the Company has Life Cover Scheme under Deposit Linked Insurance Scheme, 1976 notified by the Ministry of Labour, Government of India, known as "Life Cover Scheme of Coal India Limited" (LCS). An amount of Rs 1,25,000 is paid under the scheme w.e.f 01.10.2017. The expected cost of the benefits is recognised when an event occurs that causes the benefit payable under the scheme.

c) Settlement Allowances

As a part of wage agreement, a lump sum amount of Rs 12000/- is paid to all the non-executive cadre employees governed under NCWA on their superannuation on or after 31.10.2010 as settling-in allowance. The liability under the scheme is borne by the Company as per actuarial valuation at each reporting date.

d) Group Personal Accident Insurance (GPAIS)

Company has taken group insurance scheme from United India Insurance Company Limited to cover the executives of the company against personal accident known as "Coal India Executives Group Personal Accident Insurance Scheme" (GPAIS). GPAIS covers all types of accident on 24 hour basis worldwide. Premium for the scheme is borne by the Company.

e) Leave Travel Concession (LTC)

As a part of wage agreement, Non-executive employees are entitled to travel assistance for visiting their home town and for "Bharat Bhraman" once in a block of 4 years. A lump sum amount of Rs 8000/- and Rs 12000/- is paid for visiting Home town and "Bharat Bhraman", respectively. The liability for the scheme is recognised based on actuarial valuation at each reporting date.



Funding status of defined benefit plans and other long term employee benefits plans are as under:

(i) Funded-

- Gratuity
- Leave Encashment
- Post-Retirement Medical Benefit - Executive (CPRMSE)
- Post-Retirement Medical Benefit - Non Executive (CPRMSE-NE)

(ii) Unfunded

- Life Cover Scheme
- Settlement Allowance
- Group Personal Accident Insurance
- Leave Travel Concession

Total liability as on 31.03.2023 based on valuation made by the Actuary, details of which are mentioned below.

(₹ in Crore)

Head	Opening Actuarial Liability as on 01.04.2022	Incremental Liability during the Year	Closing Actuarial Liability as on 31.03.2023
Gratuity	162.86	(7.86)	155.00
Leave Executive	81.02	3.60	84.62
Leave Non-Executive	20.00	4.00	24.00
Settlement Allowance Executives	3.95	(0.10)	3.85
Settlement Allowance Non-executives	0.50	(0.06)	0.44
Leave Travel Concession	1.78	0.68	2.46
Medical Benefits Executives	88.09	(25.97)	62.12
Medical Benefits Non-Executives	26.66	(0.46)	26.20
Total	384.86	(26.17)	358.69

(iii) Disclosure as per Actuary's Certificate

**ACTUARIAL VALUATION OF GRATUITY LIABILITY AS AT 31.03.2023
CERTIFICATES AS PER IND AS 19 (2015)**

Table 1 :

(₹ In Crores)

31.03.2022	A.Profit&Loss(P&L)	31.03.2023
14.87	Current service cost	4.90
-	Past service cost - plan amendments	-
-	Curtailement cost / (credit)	-
-	Settlement cost / (credit)	-
14.87	Service cost	4.90
5.64	Net interest on net defined benefit liability / (asset)	2.07
-	Immediate recognition of (gains)/losses – other long term employee benefit plans	-
20.51	Cost recognised in P&L	6.97

(₹ In Crores)

31.03.2022	B: Other Comprehensive Income (OCI)	31.03.2023
(11.37)	Actuarial (gain)/loss due to DBO experience	11.00
0.72	Actuarial (gain)/loss due to DBO assumption changes	(7.44)
(10.65)	Actuarial (gain)/loss arising during period	3.56
(0.18)	Return on plan assets (greater)/less than discount rate	(0.70)
(10.83)	Actuarial (gains)/ losses recognized in OCI	2.86

(₹ in Crores)

31.03.2022	C:DefinedBenefitCost	31.03.2023
14.87	Service cost	4.90
5.64	Net interest on net defined benefit liability / (asset)	2.07
(10.83)	Actuarial (gains)/ losses recognized in OCI	2.86
-	Immediate recognition of (gains)/losses – other long term employee benefit plans	-
9.67	Defined Benefit Cost	9.83

(₹ in Crores)

31.03.2022	D: Assumptions as at	31.03.2023
6.85%	Discount Rate	7.30%
Executive: 9% Non-Executive: 6.25%	Rate of salary increase	Executive: 9% Non-Executive: 6.25%

Table 2:

(₹ in Crores)

31.03.2022	A: Development of Net Balance Sheet Position	31.03.2023
(162.86)	Defined benefit obligation (DBO)	(155.00)
96.35	Fair value of plan assets (FVA)	150.83
(66.51)	Funded status [surplus/(deficit)]	(4.17)
-	Effect of Asset ceiling	-
(66.51)	Net defined benefit asset/ (liability)	(4.17)

(₹ in Crores)

31.03.2022	B: Reconciliation of Net Balance Sheet Position	31.03.2023
(107.82)	Net defined benefit asset/ (liability) at end of prior period	(66.51)
(14.87)	Service cost	(4.90)
(5.64)	Net interest on net defined benefit liability/ (asset)	(2.07)
10.83	Amount recognised in OCI	(2.86)
50.00	Employer contributions	72.17
0.99	Benefit paid directly by the Company	-
-	Acquisitions credit/ (cost)	-
-	Divestitures	-
-	Cost of termination benefits	-
(66.51)	Net defined benefit asset/ (liability) at end of current period	(4.17)

(₹ in Crores)

31.03.2022	C: Assumptions as at:	31.03.2023
6.80%	Discount Rate	7.30%
Executive: 9%	Rate of salary increase	Executive: 9%
Non Executive : 6.25%		Non Executive:6.25%

Table 3:

(₹ In Crores)

31.03.2022	A:Change in Defined Benefit Obligation DBO)	31.03.2023
177.85	DBO at end of prior period	162.86
14.87	Current service cost	4.90
11.14	Interest cost on the DBO	10.17
-	Curtailment (credit)/ cost	-
-	Settlement (credit)/ cost	-
-	Past service cost - plan amendments	-

-	Acquisitions (credit)/ cost	-
(11.36)	Actuarial (gain)/loss - experience	11.00
-	Actuarial (gain)/loss - demographic assumptions	-
0.72	Actuarial (gain)/loss - financial assumptions	(7.44)
(0.99)	Benefits paid directly by the Company	-
(29.37)	Benefits paid from plan assets	(26.49)
162.86	DBO at end of period	155.00

(₹ In Crores)

31.03.2022	B: Change in Fair Value of Assets	31.03.2023
70.03	Fair value of assets at end of prior period	96.35
-	Acquisition adjustment	-
5.50	Interest income on plan assets	8.10
50	Employer contributions	72.17
0.19	Return on plan assets greater/(lesser) than discount rate	0.70
(29.37)	Benefits paid	(26.49)
96.35	Fair Value of assets at the end of current period	150.83

Table 4: Additional Disclosure Information

(₹ in Crores)

A. Expected benefit payments for the year ending	
March 31, 2024	19.05
March 31, 2025	22.93
March 31, 2026	17.50
March 31, 2027	13.07
March 31, 2028	11.62
March 31, 2029 to March 31, 2033	43.44
Beyond 10 years	278.28
B. Expected employer contributions for the period ending 31 March 2024	
	4.89
C. Weighted average duration of defined benefit obligation	
	10 Years
D. Accrued Benefit Obligation at 31 March 2023	
	113.56
E. Plan Asset Information as at 31 March 2023	
	Percentage
Government of India Securities (Central and State)	0.00%
High quality corporate bonds (including Public Sector Bonds)	0.00%
Equity shares of listed companies	0.00%
Property	0.00%



Cash (including Special Deposits)	0.00%
Schemes of insurance - conventional products	100.00%
Schemes of insurance - ULIP products	0.00%
Other	0.00%
F. Current and Non-Current Liability Breakup as at 31 March 2023	
Current Liability	18.39
Non-Current Liability	136.61
Liability as at 31 March 2023	155.00

Table 5: Disclosure Item

Sensitivity Analysis	31.03.2023
Discount Rate	Increase
Discount Rate as at 31 March 2023	7.30%
Effect on DBO due to 0.5% increase in discount rate	(6.76)
Percentage Impact	(4)%
Effect on DBO due to 0.5% decrease in discount rate	7.44
Percentage Impact	5%

Salary Escalation Rate	Increase
Salary Escalation Rate as at 31st March 2023	Executive: 9% Non-Executive : 6.25%
Effect on DBO due to 0.5% increase in salary escalation rate	3.46
Percentage Impact	2%
Effect on DBO due to 0.5% decrease in salary escalation rate	(3.37)
Percentage Impact	(2)%

**ACTUARIAL VALUATION OF LEAVE BENEFIT SCHEME AS AT 31.03.2023
CERTIFICATES AS PER IND AS 19 (2015)**

Table 1 :

(₹ In Crores)

31.03.2022	A. Profit & Loss (P&L)	31.03.2023
15.18	Current service cost	16.41
-	Past service cost - plan amendments	-
-	Curtailment cost / (credit)	-
-	Settlement cost / (credit)	-
15.18	Service cost	16.41
2.81	Net interest on net defined benefit liability / (asset)	(0.14)
(4.21)	Immediate recognition of (gains)/losses – other long term employee benefit plans	5.39
13.78	Cost recognised in P&L	21.67

(₹ In Crores)

31.03.2022	B: Other Comprehensive Income (OCI)	31.03.2023
(4.71)	Actuarial (gain)/loss due to DBO experience	12.18
0.59	Actuarial (gain)/loss due to DBO assumption changes	(6.50)
(4.13)	Actuarial (gain)/loss arising during period	5.68
(0.08)	Return on plan assets (greater)/less than discount rate	(0.29)
-	Actuarial (gains)/ losses recognized in OCI	-

(₹ In Crores)

31.03.2022	C: Defined Benefit Cost	31.03.2023
15.18	Service cost	16.41
2.81	Net interest on net defined benefit liability / (asset)	(0.14)
-	Actuarial (gains)/ losses recognized in OCI	-
(4.21)	Immediate recognition of (gains)/losses – other long term employee benefit plans	5.39
13.78	Defined Benefit Cost	21.67

31.03.2022	D: Assumptions as at	31.03.2023
6.85%	Discount Rate	7.30%
Executive: 9% Non-Executive: 6.25%	Rate of salary increase	Executive: 9% Non-Executive: 6.25%

Table 2:

(₹ In Crores)

31.03.2022	A: Development of Net Balance Sheet Position	31.03.2023
(101.02)	Defined benefit obligation (DBO)	(108.63)
92.75	Fair value of plan assets (FVA)	99.35
(8.27)	Funded status [surplus/(deficit)]	(9.27)
-	Effect of Asset ceiling	-
(8.27)	Net defined benefit asset/ (liability)	(9.27)

(₹ In Crores)

31.03.2022	B: Reconciliation of Net Balance Sheet Position	31.03.2023
(87.47)	Net defined benefit asset/ (liability) at end of prior period	(8.27)
(15.19)	Service cost	(16.41)
(2.81)	Net interest on net defined benefit liability/ (asset)	0.14
4.21	Actuarial (losses)/ gains	(5.39)
72.00	Employer contributions	20.66
20.97	Benefit paid directly by the Company	-
-	Acquisitions credit/ (cost)	-
-	Divestitures	-
-	Cost of termination benefits	-
(8.27)	Net defined benefit asset/ (liability) at end of current period	(9.27)

31.03.2022	C: Assumptions as at:	31.03.2023
6.80%	Discount Rate	7.30%
Executive: 9% Non Executive: 6.25%	Rate of salary increase	Executive: 9% Non Executive: 6.25%

Table 3:

(₹ In Crores)

31.03.2022	A: Change in Defined Benefit Obligation (DBO)	31.03.2023
104.50	DBO at end of prior period	101.02
15.18	Current service cost	16.42
6.44	Interest cost on the DBO	6.17
-	Curtailement (credit)/ cost	-
-	Settlement (credit)/ cost	-
-	Past service cost - plan amendments	-

-	Acquisitions (credit)/ cost	-
(4.72)	Actuarial (gain)/loss - experience	12.18
-	Actuarial (gain)/loss - demographic assumptions	-
0.59	Actuarial (gain)/loss - financial assumptions	(6.50)
(20.97)	Benefits paid directly by the Company	-
-	Benefits paid from plan assets	(20.66)
101.02	DBO at end of period	108.63

(₹ In Crores)

31.03.2022	B:Change in Fair Value of Assets	31.03.2023
17.04	Fair value of assets at end of prior period	92.75
-	Acquisition adjustment	-
3.63	Interest income on plan assets	6.31
72	Employer contributions	20.66
0.08	Return on plan assets greater/(lesser) than discount rate	0.29
-	Benefits paid	(20.66)
92.75	Fair Value of assets at the end of current period	99.35

Table 4: Additional Disclosure Information

(₹ in Crores)

A. Expected benefit payments for the year ending	
March 31, 2024	8.86
March 31, 2025	12.58
March 31, 2026	12.08
March 31, 2027	6.72
March 31, 2028	9.44
March 31, 2029 to March 31, 2033	31.45
Beyond 10 years	262.21
B. Expected employer contributions for the period ending 31 March 2023	
	17.77
C. Weighted average duration of defined benefit obligation	
	12 Years
D. Accrued Benefit Obligation at 31 March 2023	
	54.91
E. Plan Asset Information as at 31 March 2023	
	Percentage
Government of India Securities (Central and State)	0.00%
High quality corporate bonds (including Public Sector Bonds)	0.00%
Equity shares of listed companies	0.00%
Property	0.00%

Cash (including Special Deposits)	0.00%
Schemes of insurance - conventional products	100.00%
Schemes of insurance - ULIP products	0.00%
Other	0.00%
F. Current and Non-Current Liability Breakup as at 31 March 2023	
Current Liability	8.55
Non-Current Liability	100.08
Liability as at 31 March 2023	108.63

Table 5 : Disclosure Item

(₹ in Crores)

Sensitivity Analysis	31.03.2023
Discount Rate	Increase
Discount Rate as at 31 March 2023	7.30%
Effect on DBO due to 0.5% increase in discount rate	(5.86)
Percentage Impact	(5)%
Effect on DBO due to 0.5% decrease in discount rate	6.50
Percentage Impact	6%

Salary Escalation Rate	Increase
Salary Escalation Rate as at 31st March 2023	Executive: 9% Non - Executive : 6.25%
Effect on DBO due to 0.5% increase in salary escalation rate	6.40
Percentage Impact	6%
Effect on DBO due to 0.5% decrease in salary escalation rate	(5.83)
Percentage Impact	(5)%

ACTUARIAL VALUATION OF POST RETIREMENT MEDICAL BENEFIT AS AT 31.03.2023

CERTIFICATES AS PER IND AS 19 (2015)

Table 1:

(₹ In Crores)

31.03.2022	A. Profit & Loss (P&L)	31.03.2023
1.28	Current service cost	1.37
13.51	Past service cost - plan amendments	-
-	Curtailement cost / (credit)	-
-	Settlement cost / (credit)	-

14.80	Service cost	1.37
4.33	Net interest on net defined benefit liability / (asset)	2.77
-	Immediate recognition of (gains)/losses – other long term employee benefit plans	-
19.12	Cost recognised in P&L	4.14

(₹ In Crores)

31.03.2022	B: Other Comprehensive Income (OCI)	31.03.2023
(15.12)	Actuarial (gain)/loss due to DBO experience	(24.26)
7.19	Actuarial (gain)/loss due to DBO assumption changes	(4.70)
(7.93)	Actuarial (gain)/loss arising during period	(28.96)
(7.89)	Return on plan assets (greater)/less than discount rate	0.14
(15.82)	Actuarial (gains)/ losses recognized in OCI	(28.82)

(₹ In Crores)

31.03.2022	C: Defined Benefit Cost	31.03.2023
14.80	Service cost	1.37
4.33	Net interest on net defined benefit liability / (asset)	2.77
(15.82)	Actuarial (gains)/ losses recognized in OCI	(28.82)
-	Immediate recognition of (gains)/losses – other long term employee benefit plans	-
3.30	Defined Benefit Cost	(24.68)

31.03.2022	D: Assumptions as at:	31.03.2023
6.80%	Discount Rate	7.30%
0.00%	Medical Inflation Rate	0.00%

Table 2:

(₹ In Crores)

31.03.2022	A: Development of Net Balance Sheet Position	31.03.2023
(114.75)	Defined benefit obligation (DBO)	(88.32)
67.86	Fair value of plan assets (FVA)	78.48
(46.89)	Funded status [surplus/(deficit)]	(9.84)
-	Effect of Asset ceiling	-
(46.89)	Net defined benefit asset/ (liability)	(9.84)

Central Mine Planning & Design Institute Limited

(A subsidiary of Coal India Limited)



(₹ In Crores)

31.03.2022	B: Reconciliation of Net Balance Sheet Position	31.03.2023
(62.42)	Net defined benefit asset/ (liability) at end of prior period	(46.89)
(14.80)	Service cost	(1.37)
(4.33)	Net interest on net defined benefit liability/ (asset)	(2.77)
15.82	Amount recognised in OCI	28.82
18.83	Employer contributions	12.37
-	Benefit paid directly by the Company	-
-	Acquisitions credit/ (cost)	-
-	Divestitures	-
-	Cost of termination benefits	-
(46.89)	Net defined benefit asset/ (liability) at end of current period	(9.84)

31.03.2022	C: Assumptions as at:	31.03.2023
6.80%	Discount Rate	7.30%
0.00%	Medical Inflation Rate	0.00%

Table 3:

(₹ In Crores)

31.03.2022	A: Change in Defined Benefit Obligation (DBO)	31.03.2023
104.13	DBO at end of prior period	114.75
1.29	Current service cost	1.37
7.69	Interest cost on the DBO	7.58
-	Curtailment (credit)/ cost	-
-	Settlement (credit)/ cost	-
13.51	Past service cost - plan amendments	-
-	Acquisitions (credit)/ cost	-
(15.12)	Actuarial (gain)/loss - experience	(24.26)
6.63	Actuarial (gain)/loss - demographic assumptions	-
0.56	Actuarial (gain)/loss - financial assumptions	(4.70)
-	Benefits paid directly by the Company	-
(3.94)	Benefits paid from plan assets	(6.42)
114.75	DBO at end of current period	88.32

(₹ In Crores)

31.03.2022	B: Change in Fair Value of Assets	31.03.2023
41.71	Fair value of assets at end of prior period	67.86
-	Acquisition adjustment	-
3.37	Interest income on plan assets	4.81
18.83	Employer contributions	12.37
7.89	Return on plan assets greater/(lesser) than discount rate	(0.14)
(3.94)	Benefits paid	(6.42)
67.86	Fair Value of assets at the end of current period	78.48

Table 4: Additional Disclosure Information

(₹ in Crores)

A. Expected benefit payments for the year ending	
March 31, 2024	6.19
March 31, 2025	6.49
March 31, 2026	6.85
March 31, 2027	7.06
March 31, 2028	7.16
March 31, 2029 to March 31, 2033	36.59
Beyond 10 years	156.35
Weighted average duration of defined benefit obligation	11 years
Accrued Benefit Obligation at 31 March 2023	88.32

Table 5: Disclosure Item

Sensitivity Analysis	31.03.2023
Discount Rate	Increase
Discount Rate as at 31 March 2023	7.30%
Effect on DBO due to 0.5% increase in discount rate	(4.28)
Percentage Impact	(5)%
Effect on DBO due to 0.5% decrease in discount rate	4.70
Percentage Impact	5%



4. Unrecognised Items:

a) Contingent Liabilities (Ind AS-37)

Claims against the Company not acknowledged as debts (including interest, wherever applicable)

(₹ in Crore)

SI No.	Particulars	Central Government	State Government and other localities	CPSE	Others	Total
1	Opening as on 01.04.2022	169.50			4.24	173.74
2	Addition during the period	33.42			8.24	41.66
3	Claims settled during the period	11.53			1.48	13.01
	a. From opening balance	11.53			1.01	12.54
	b. Out of addition during the period ended	0			0.47	0.47
	c. Total claims settled during the period ended (a+b)	11.53			1.48	13.01
4	Closing as on 31.03.2023	191.39			11.00	202.39

Contingent Liability

(₹ in Crore)

SI No.	Particulars	Amount as on 31.03.2023	Amount as on 31.03.2022
1	Central Government		
	Income Tax	122.36	100.47
	Central Excise		
	Clean Energy Cess		
	Central Sales Tax	69.03	69.03
	Service Tax		
	Others(Please Specify)		
	Sub-Total	191.39	169.50
2	State Government and Local Authorities		
	Royalty		
	Environment Clearance		
	Sales Tax/VAT		
	Entry Tax		
	Electricity Duty		
	MADA		
	Others(Please Specify)		
	Sub-Total		

3	Central Public Sector Enterprises Arbitration Proceedings Suit against the company under litigation Others(Please Specify) Sub-Total		
4	Others: (If any) Miscellaneous Sub-Total	11.00 11.00	4.24 4.24
	Grand Total	202.39	173.74

b) Commitments (Ind AS-37)

Estimated amount of contracts remaining to be executed on capital account not provided for others is ₹ 6.77 Crores (₹ 6.58 Crores).

Other Commitments amounts to ₹ 167.49 Crores (₹ 152.18 Crores).

c) Guarantee

The Company has given Bank Guarantees of ₹ 0.14 Crore (₹ 0.14 Crore) for which there is a floating charge on Current Assets of the Company.

5. Other Information

(a) Provisions

The position and movement of various provisions except those relating to employee benefits which are valued actuarially, as on 31.03.2023 are given below:

(₹ in Crore)

Provisions	Opening Balance as on 1.04.2022	Addition for the period ended 31.03.2023	Write back/ Adj. For the period ended 31.03.2023	Unwinding of discounts	Closing Balance as on 31.03.2023
Note 1:-Property, Plan and Equipment: Impairment of Assets :					
Note 2:- Capital Work in Progress : Against CWIP :					
Note 3:- Exploration And Evaluation Assets : Provision and Impairment:					
Note 1:- Non Current Assets Held For Sale: Provision :					
Note 8:- Loans : Other Loans :					
Note 9:- Other Financial Assets: Current Account with Subsidiaries : Claim receivables : Other Receivables :	0.04				0.04

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(₹ in Crore)

Note 10:- Other Non-Current Assets : Exploratory Drilling Work : Against Security Deposit for Utilities:					
Note 11:- Other Current Assets : Advances for Revenue : Advance Payment Against Statutory Dues: Other Deposits: Other Receivables:	0.20 0.05				0.20 0.05
Note 12:-Inventories : Stock of Coal : Stock of Stores & Spares :	0.16	0.04			0.20
Note 13:-Trade Receivables : Provision for bad & doubtful debts :	3.35		(0.77)		2.58
Note 21 :- Non-Current & Current Provision: Performance related pay : NCWA: Executive Pay Revision: Mine Closure: NPS:	84.46 7.20 4.21	65.67 76.67 39.46	(35.78) 0.00 (43.67)		114.35 83.87 -

b) Authorised Share Capital

(₹ in Crore)

Particulars	As on 31.03.23	As on 31.03.22
15,00,000 Equity Shares of ₹1000/- each	150.00	150.00

c) Earnings per share (Ins AS-33)

(₹ in Crore)

Sl. No.	Particulars	For the year ended 31.03.2023	For the year ended 31.03.2022
i)	Net profit after tax in Rupees (Crores) attributable to Equity Share Holders	296.66	282.12
ii)	Weighted Average no. of Equity Shares Outstanding	1428000	1428000
iii)	Basic and Diluted Earnings per Share in Rupees (Face value ₹ 1000- per share)	2077.45	1975.63

d) Related Party Disclosure (Ins AS-24)

List of Related Parties

i) Sister Companies

- 1) Eastern Coalfields Limited (ECL)
- 2) Bharat Coking Coal Limited (BCCL)
- 3) Central Coalfields Limited (CCL)
- 4) Western Coalfields Limited (WCL)

- 5) South Eastern Coalfields Limited (SECL)
- 6) Northern Coalfields Limited (NCL)
- 7) Mahanadi Coalfields Limited (MCL)
- 8) Coal India Limited (CIL)Holding Company

ii) Post Employment Benefit Fund and others:

- 1) Coal India Employees Gratuity Fund
- 2) Coal Mines Provident Fund (CMPF)
- 3) Coal India Superannuation Benefit Fund Trust
- 4) Contributory Post Retirement Medicare Scheme for Non- Executives Modified
- 5) CIL Executive Defined Contribution Pension Trust

iii) Key Managerial Personnel

Name	Designation	W.e.f
Manoj Kumar	Chairman-Cum-Managing Director	04.10.2021
B. Veera Reddy	Part Time Official Director	24.02.2022
Mukesh Choudhary	Part Time Official Director	26.05.2020 to 07.12.2022
R N Jha	Director Technical	30.01.2019
Satendra Kumar Gomasta	Director Technical	25.02.2020
Shankar Nagachari	Director Technical	02.09.2022
Ajay Kumar	Director Technical	26.10.2022
Dr. Krishna Chandra Pandey	Independent Director	10.07.2019 to 09.07.2022
Alka Panda	Independent Director	10.07.2019 to 09.07.2022
Pramod Singh Chauhan	Independent Director	16.10.2019 to 15.10.2022
P.K Prasad	Chief Financial Officer	01.04.2021
Abhishek Mundhra	Company Secretary	18.02.2016

iv) Remuneration of Key Managerial Personnel

(₹ in Crore)

Sl No.	Remuneration to CMD, Whole Time Directors, CFO and Company Secretary	For the year ended 31.03.2023	For the year ended 31.03.2022
i)	Short Term Employee Benefits	2.85	2.86
ii)	Post-Employment Benefits	0.56	0.39
iii)	Other Long Term Benefits	2.43	2.39
iv)	Termination Benefits	-	-
v)	Share Based Payments	-	-
	TOTAL	5.84	5.64



Note:

- (i) Besides above, whole time Directors have been allowed to use of cars for private journey upto a ceiling of 1000 KMs on payment of ₹2000 per month as per service conditions.

(₹ in Crore)

Sl. No.	Payment to Independent Directors	For the year ended 31.03.2023	For the year ended 31.03.2022
i)	Sitting Fees	0.05	0.19

Balances Outstanding of Sitting Fees.

(₹ in Crore)

Sl. No.	Particulars	As on 31.03.2023	As on 31.03.2022
i)	Amount Payable	Nil	Nil
ii)	Amount Receivable	Nil	Nil

- No Trade or other receivables are due from directors or other officers of the company either severally or jointly with any other person. Nor any trade or other receivable are due from firms or private companies respectively in which any director is a partner, a director or member.

Related Party Transactions within Group

The Company being a Government related entity is exempt from the general disclosure requirements in relation to related party transactions and outstanding balances with the controlling Government and another entity under same Government.

As per Ind AS 24, following are the disclosures regarding nature and amount of significant transactions.

Transactions with Related Parties for the Year Ended 31.03.2023

(₹ in Crore)

Name of Related Parties	Loan to Related Parties	Loan from Related Parties	Apex Charges	Rehabilitation Charges	Lease Rent Income	Interest on Funds parked by subsidiaries	IICM charges	Any Other (Sales)	Current Account Balances (Payable/ Receivable)	Outstanding Balances (Payable/ Receivable)
Eastern Coalfields Limited (ECL)								94.62		94.81
Bharat Coking Coal Limited (BCCL)								53.02		35.28
Central Coalfields Limited (CCL)								192.87		146.43
Western Coalfields Limited (WCL)								175.13		41.79
South Eastern Coalfields Limited (SECL)								380.01		259.37
Northern Coalfields Limited (NCL)								126.57		18.55
Mahanadi Coalfields Limited (MCL)								110.80		49.17
Coal India Limited (CIL)								13.07	57.85	18.45

*This includes CIL R&D Fund

All the Intersubsidiary Balances has been confirmed up to 31.03.2023.However receivable from Central Coalfields Ltd.is confirmed upto 30.09.2022.

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Transactions with Related Parties for the Year Ended 31.03.2022

(₹ in Crore)

Name of Related Parties	Loan to Related Parties	Loan from Related Parties	Apex Charges	Rehabilitation Charges	Lease Rent Income	Interest on Funds parked by subsidiaries	IICM charges	Any Other (Sales)	Current Account Balances (Payable/Receivable)	Outstanding Balances (Payable/Receivable)
Eastern Coalfields Limited (ECL)								92.13		106.92
Bharat Coking Coal Limited (BCCL)								56.83		43.05
Central Coalfields Limited (CCL)								135.18		76.52
Western Coalfields Limited (WCL)								154.68		32.77
South Eastern Coalfields Limited (SECL)								322.83		230.09
Northern Coalfields Limited (NCL)								112.31		45.91
Mahanadi Coalfields Limited (MCL)								89.76		33.01
Coal India Limited (CIL)								7.40	53.62	17.46

e) Taxation (Ind AS-12)

(₹ in Crore)

I) Details of Current Tax Assets	As at 31.03.2023	As at 31.03.2022
Tax Deducted at Source & Advance Tax	175.71	312.34
Provision for Income Tax	(82.54)	(253.80)
Current Tax Assets (Net)	93.17	58.54

(f) Provisions made in the Accounts

Provisions made in the accounts against slow moving/non-moving/obsolete stores, claims receivable, advances, doubtful debts etc. are considered adequate to cover possible losses.

(g) Current Assets, Loans and Advances etc.

In the opinion of the Management, assets other than fixed assets and non-current investments have a value on realisation in the ordinary course of business at least equal to the amount at which they are stated.

(h) Current Liabilities

Estimated liability has been provided where actual liability could not be measured.

(i) Balance Confirmations

Balance confirmation/reconciliation is carried out for cash & bank balances, certain loans & advances, long term liabilities and current liabilities. Provision is taken against all doubtful unconfirmed balances.

(j) Value of imports on CIF basis

(₹ in Crore)

Particulars	For the year ended 31.03.2023	For the year ended 31.03.2022
(i) Raw Material	NIL	NIL
(ii) Capital Goods	2.18	6.10
(iii) Stores, Spares & Components & Others	0.05	0.23

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(K) Expenditure incurred in Foreign Currency

(₹ in Crore)

Particulars	For the year ended 31.03.2023	For the year ended 31.03.2022
Travelling Expenses	0.05	NIL
Training Expenses	NIL	NIL
Consultancy Charges	NIL	NIL
Interest	NIL	NIL
Stores and Spares	NIL	NIL
Capital Goods	2.18	6.10
Others	0.05	0.23

(l) Earning in Foreign Exchange:

(₹ in Crore)

Particulars	For the year ended 31.03.2023	For the year ended 31.03.2022
Travelling Expenses	NIL	NIL
Training Expenses	NIL	NIL
Consultancy Charges	NIL	NIL
Others	0.02	0.03

m) Total Consumption of Stores and Spares (Refer Note No. 26)

(₹ in Crore)

Particulars	For the year ended 31.03.2023		For the year ended 31.03.2022	
	Amount	% of total consumption	Amount	% of total consumption
(i) Imported Materials	0.00	0.00	0.00	0.00
(ii) Indigenous	33.09	100	33.62	100

(n) Disaggregated revenue information :

(₹ in Crore)

	For the Year ended 31.03.2023	For the Year ended 31.03.2022
Types of goods or service		
- Coal		
- Others	1386.09	1208.43
Total revenue from contracts with customers	1386.09	1208.43

Types of customers		
- Power sector	43.53	14.11
- Non-Power Sector	1342.56	1194.32
- Others or services (CMPDIL)		
Total revenue from contracts with customers	1386.09	1208.43
Types of contract		
- FSA		
- E Auction		
- Others	1386.09	1208.43
Total revenue from contracts with customers	1386.09	1208.43
Total Revenue	1386.09	1208.43
CIL Groups	1146.10	971.13
Outsider	239.99	237.30
Timing of goods or service		
- Goods transferred at a point in time		
- Goods transferred over time		
- Service transferred at a point in time	394.14	450.31
- Service transferred over time	991.95	758.12
Total revenue from contracts with customers	1386.09	1208.43

(o) Ratios

a) Current Ratio

For the year ended 31.03.2023	For the year ended 31.03.2022	Variance
2.67	2.69	(0.02)

The current ratio is a liquidity ratio that measures the current resources to meet its short-term obligations. Current ratio has been calculated as Current Assets divided by Current liabilities.

b) Return on Equity ratio

For the year ended 31.03.2023	For the year ended 31.03.2022	Variance
26.81%	31.70%	(4.89)%

Return on equity (ROE) is a measure of financial performance calculated by dividing PAT by Average shareholders' equity. Where average shareholders' equity = (Opening Equity + Closing Equity)/2. Other Equity excludes Capital Reserve.

c) Trade Receivables Turnover Ratio

For the year ended 31.03.2023	For the year ended 31.03.2022	Variance
1.69	1.41	0.28

The receivables turnover ratio is an accounting measure used to quantify a company's effectiveness in collecting its accounts receivable, or the money owed by customers. Account receivables Turnover = Net Credit Sales/Average trade receivables.

d) Net Capital Turnover ratio

For the year ended 31.03.2023	For the year ended 31.03.2022	Variance
1.39	1.40	(0.01)

Net Capital turnover is the measure that indicates organization's efficiency in relation to the utilization of capital employed in the business and it has been calculated as a ratio of net sales divided by the average amount of working capital during the same period. Net capital turnover ratio = Net Sales / Working Capital

Net sales shall be calculated as total sales minus sales returns.

Working capital shall be calculated as current assets minus current liabilities.

e) Net Profit Ratio

For the year ended 31.03.2023	For the year ended 31.03.2022	Variance
21.40%	23.35%	(1.95)%

It measures the relationship between net profit and sales of the business.

Net Profit Ratio = Net Profit / Net Sales

Net profit shall be after tax.

Net sales shall be calculated as total sales minus sales returns

f) Return on capital Employed

For The year ended 31.03.2023	For the year ended 31.03.2022	Variance
29.61%	36.38%	(6.77)%

Return on capital employed indicates the ability of a company's management to generate returns for both the debt holders and the equity holders. Higher the ratio, more efficiently is the capital being employed by the company to generate returns.

ROCE = Earnings before interest and taxes / Capital Employed

Capital Employed = Tangible Net Worth + Total Debt + Deferred Tax Liability

(p) Lease

Vide Notification of Ministry of Corporate Affairs dated 30th March, 2019 Indian Accounting Standard (Ind AS) 116, Leases has become effective for the company from 01.04.2019 replacing Ind AS 17, Leases. The accounting policy on leases has been changed as per Ind AS 116. The principal change of Ind AS 116, Leases is change in the accounting treatment by lessees of

leases currently classified as operating leases. Lease agreements has given rise to the recognition of a right-of-use asset and a lease liability for future lease payments in case of company being lessee.

For calculation of the lease liability recognised in the balance sheet 7.30 % has been used as lessee's incremental borrowing rate.

Lease liability commitment regarding operating lease as on 31.03.2023, discounted using above lessee's incremental borrowing rate were ₹1.38 Crore whereas lease liability as on 31.03.2023 recognised in the Balance sheet is ₹1.70 Crore.

(q) (A) Misc. Information

i) Significant Accounting Policy

Significant accounting policy (Note-2) has been drafted to elucidate the accounting policies adopted by the Company in accordance with Indian Accounting Standards (Ind ASs) notified by Ministry of Corporate Affairs (MCA) under the Companies (Indian Accounting Standards) Rules, 2015.

ii) Recent Pronouncements:

Ministry of Corporate Affairs ("MCA") notifies new standards or amendments to the existing standards under Companies (Indian Accounting Standards) Rules as issued from time to time. On March 31, 2023, MCA amended the Companies (Indian Accounting Standards) Amendment Rules, 2023. The effective date for adoption of this amendment is annual periods beginning on or after April 1, 2023. The amendments are as below:

- 1) **Ind AS 1 - Presentation of Financial Statements** - This amendment requires the entities to disclose their material accounting policies rather than their significant accounting policies. The Company does not expect this amendment to have any significant impact in its financial statements.
- 2) **Ind AS 8 - Accounting Policies, Changes in Accounting Estimates and Errors** - This amendment has introduced a definition of 'accounting estimates' and included amendments to Ind AS 8 to help entities distinguish changes in accounting policies from changes in accounting estimates. The Company has evaluated the amendment and there is no impact on its financial statements.
- 3) **Ind AS 12 - Income Taxes** - This amendment has narrowed the scope of the initial recognition exemption so that it does not apply to transactions that give rise to equal and offsetting temporary differences. The Company does not expect this amendment to have any significant impact in its financial statements.

iii) The Company had booked a revenue (Excl. GST) to the tune of Rs.89.51 lakh along with margin- Rs. 6.25 Lakh and Expenditure- Rs.83.27 lakh in FY 2017-18. The said amount was related to a drilling work carried out by Central Drilling Associate in FY 2017-18. The Payment made in this regard was considered as excess payment made to the contractor and matter is being pursued for recovery of the same. The Company has now filed money suit against the contractor before the appropriate court for its realization.

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(B) Others

- i) Previous year/period's figures have been restated, regrouped and rearranged wherever considered necessary.
- ii) Note-1 and 2 represents Corporate information and Significant Accounting Policies respectively, Note 3 to 23 form part of the Balance Sheet as at 31st March ,2023 and 24 to 37 form part of Statement of Profit & Loss for the period ended on that date. Note – 38 represents Additional Notes to the Financial Statements.

Signature to Note 1 to 37.

(A. Mundhra)
Company Secretary

(P. K. Prasad)
General Manager (F)

(S. K. Gomasta)
Director
DIN-08714820

(Manoj Kumar)
Chairman-Cum-
Managing Director
DIN-09225497

In terms of our report of even date attached

For K.C Tak & Co.
Chartered Accountants
Firm Registration No. : 000216C

(CA Anil Jain)

Partner

Membership No. : 079005

UDIN : 23079005BGYQBK2530

Date : 02nd May 2023

Place: Ranchi



CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

(A Subsidiary of Coal India Limited)

A Mini Ratna Company (Cat-I)

AN ISO 9001:2015 Certified

Gondwana Place, Kanke Road, Ranchi - 834 031

