



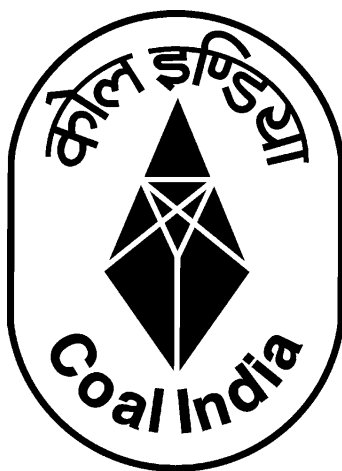
**CENTRAL MINE PLANNING &  
DESIGN INSTITUTE LIMITED**  
(A Subsidiary of Coal India Limited)  
A Mini Ratna Company (Cat-I)

# **ANNUAL REPORT & ACCOUNTS**

## **2019-20**

# Annual Report & Accounts

2019-20



## **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](http://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 31.03.2020

## EXECUTIVE DIRECTORS



Shri Shekhar Saran

## FUNCTIONAL DIRECTORS



Shri K.K. Mishra



Shri R.N. Jha



Shri A.K. Rana



Shri S.K. Gomasta

## OFFICIAL PART-TIME DIRECTORS



Shri Binay Dayal



Dr. Anindya Sinha

## INDEPENDENT DIRECTORS



Dr. K.C. Pandey



Smt. Alka Panda



Shri Pramod Singh Chouhan

## PERMANENT INVITEE



Shri Ajitesh Kumar

## COMPANY SECRETARY



Shri Abhishek Mundhra

## MANAGEMENT DURING 2019-2020

### Functional Directors

Shri Shekhar Saran	:	Chairman-cum-Managing Director (From 01.01.2016)
Shri Kaushlendra Kumar Mishra	:	Director (Technical) (From 11.10.2018)
Shri Rabindra Nath Jha	:	Director (Technical) (From 30.01.2019)
Shri Anil Kumar Rana	:	Director (Technical) (From 01.08.2019)
Shri Satendra Kumar Gomasta	:	Director (Technical) (From 25.02.2020)
Shri Bhola Nath Shukla	:	Director (Technical) (From 17.08.2017 to 14.06.2019)
Shri Ashim Kumar Chakraborty	:	Director (Technical) (From 03.08.2016 to 31.07.2019)

### Part – Time Official Director

Shri Binay Dayal	:	Director (Technical), Coal India Ltd (From 09.11.2017)
Dr. Anindya Sinha	:	Project Adviser, Ministry of Coal, (From 05.02.2018 to 01.05.2020)

### Independent Directors / Part -Time Non-Official Director

Dr. Krishna Chandra Pandey	:	Independent Director (From 10.07.2019)
Smt. Alka Panda	:	Independent Director (From 10.07.2019)
Shri Pramod Singh Chauhan	:	Independent Director (From 16.10.2019)
Dr. Debasish Gupta	:	Independent Director (From 17.11.2015 to 16.11.2019)
Shri Rajender Parshad	:	Independent Director (From 17.11.2015 to 16.11.2019)

### Permanent Invitee

Shri Ajitesh Kumar	:	Deputy Secretary, Ministry of Coal, New Delhi (From 13.01.2020)
Shri Peeyush Kumar	:	Director (Technical), Ministry of Coal, New Delhi (From 06.05.2016 to 12.01.2020)

### Company Secretary

Shri Abhishek Mundhra	:	Manager (F)/Company Secretary (From 18.02.2016)
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## **MEMBERS OF THE BOARD AS ON 27.07.2020**

### **Functional Directors**

Shri Shekhar Saran	:	Chairman-cum-Managing Director
Shri Kaushlendra Kumar Mishra	:	Director (Technical)
Shri Rabindra Nath Jha	:	Director (Technical)
Shri Anil Kumar Rana	:	Director (Technical)
Shri Satendra Kumar Gomasta	:	Director (Technical)

### **Official Part-Time Directors**

Shri Binay Dayal	:	Director (Technical), Coal India Ltd., Kolkata
Shri Mukesh Choudhary	:	Director, Ministry of Coal, (From 26.05.2020)

### **Non Official Part-Time Directors**

Dr. Krishna Chandra Pandey	:	Independent Director
Smt. Alka Panda	:	Independent Director
Shri Pramod Singh Chauhan	:	Independent Director

### **Permanent Invitee**

Shri Ajitesh Kumar	:	Deputy Secretary, 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](http://www.cmpdi.co.in)

## **Bankers**

State Bank of India,  
Canara Bank  
Union Bank of India,  
IDBI Bank  
Axis Bank Limited  
HDFC Bank

## **Auditors**

### **STATUTORY AUDITOR**

M/s LODHA PATEL, WADHWA & Co., Ranchi

### **SECRETARIAL AUDITOR**

M/s Satish Kumar & Associates, Ranchi

### **TAX AUDITOR**

M/s LODHA PATEL, WADHWA & Co., Ranchi

### **DEPOSITORY**

M/s. National Security Depository Limited

### **REGISTAR & SHARE TRANSFER AGENT**

M/s. NSDL Database Management Limited

### **ISIN**

INE 05HV01019



## NOTICE FOR THE 45<sup>TH</sup> ANNUAL GENERAL MEETING

Notice is hereby given to all the share holders of Central Mine Planning & Design Institute Limited that the **45<sup>th</sup> Annual General Meeting** of the Company will be held on **Monday, 27<sup>th</sup> July, 2020 at 10.30 A.M. at Registered Office, Ranchi** through Video Conference/OAVM to transact the following business: -

### A. ORDINARY BUSINESS:

1. To consider and adopt the Audited Balance Sheet as on 31<sup>st</sup> March 2020, 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. 27.11 Crores i.e Rs.712.00 per share (Dividend per Share) paid on 3,80,800 equity shares of the Company in February 2020 and approve payment of Final Dividend proposed of Rs.30.91 Crores i.e.Rs. 811.72 per Share (Dividend per Share) in July 2020 on 3,80,800 equity shares thus totaling to Rs.58.02 Crores as dividend for the Financial Year 2019-20.
3. To appoint a Director in place of Shri Shekhar Saran (DIN: 06607551), 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 Binay Dayal (DIN:07367625), Official Part-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 for the Financial Year 2019-20 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 227<sup>th</sup> Board meeting, held on 18.09.2019 to the Cost Auditors, M/s DGM & Associates, Kolkata for the financial year 2019-20 at Rs. 1,47,650/- per annum plus applicable taxes for audit and out of pocket expenses limited to 50% of the cost audit fee 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.

- N.B** 1. In view of the current extraordinary circumstances due to the pandemic caused by Covid 19 prevailing in the Country, in accordance of the provisions of section 108 of the Companies Act, 2013 read with rule 18 of the Companies (Management and Administration) Rules, 2014 and with General Circular No. 14/2020, dated 8<sup>th</sup> April, 2020 General Circular No. 17/2020 dated 13<sup>th</sup> April, 2020 and General Circular No. 17/2020 dated 5<sup>th</sup> May'2020



respectively issued by Ministry of Corporate Affairs, Govt. of India (including any statutory modification or re-enactment thereof for the time being in force) and other applicable laws and regulations, Shareholders, Directors and Auditors including Secretarial Auditor of Central Mine Planning and Design Institute Limited (CMPDIL) are entitled to attend and/or vote at the meeting 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](mailto:cosecretary.cmpdi@coalindia.in). The facility of appointment of proxies by members will not be available. However, in 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.

2. 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



(Abhishek Mundhra)  
Company Secretary

Date : 21.07.2020

Place : Ranchi

## **DISTRIBUTION:**

All the Shareholders

All the Directors of the company

The Chairperson of the Audit Committee

The Chairperson of the Nomination & Remuneration Committee

The Statutory Auditor of the Company

The Secretarial Auditor of the company

The Cost Auditor of the Company

The General Manager (Finance)/CFO



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

### **Item No. B (1): Ratification of Remuneration of Cost Auditors for the Financial Year 2019-20 fixed by the Board of Directors.**

The Board of Directors of CMPDIL in its 227<sup>th</sup> meeting held on 18.09.2019 approved the appointment of M/s DGM & Associates post recommendation of the Audit committee for undertaking the cost Audit of the Financial Year 2019-20 at a fees of Rs. 1,47,650/- per annum plus applicable taxes and out of pocket expenses limited to 50% of the cost audit fee. 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



(Abhishek Mundhra)  
Company Secretary



## CHAIRMAN'S STATEMENT

**Shri Shekhar Saran**

Chairman-cum-Managing Director

Dear Shareholders,

I have great pleasure in extending very warm welcome to all of you to the 45<sup>th</sup> Annual General Meeting of CMPDIL and present to you the Annual Report of your Company for the financial year 2019-20. The Report of Directors and the Audited Accounts of your Company for the period ended 31<sup>st</sup> March, 2020 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 Polish experts as a comprehensive planning set-up under one roof for entire Indian mining industry. Subsequently, CMPDIL was established on 1<sup>st</sup> 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, environment engineering, coal beneficiation & utilization, allied engineering services, Informational 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. CBM, UCG and Shale Gas, 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 of 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 arrangement 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 fuelled 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 04-05 to 2.09 lakh meter in 07-08) and sales was also around Rs.150 crore to Rs.200 crore (Rs.151 crore in 2004-05 and Rs.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. MoC 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 metre of drilling in 2016-17 with a growth of 13% over previous year, 13.66 lakh metre of drilling in 2017-18 with a growth of 21% over previous year & achieved 13.60 lakh metre of drilling in 2018-19.

For 2019-20, the MoU target for 2019-20 was kept as 14.00 lakh metre. Your company came true in accepting the challenges and the total drilling carried out during 2019-20 was about 12.94 lakh metre including about 4.88 lakh metre through departmental resources. It was expected that the departmental drilling would be well over the achievement of 5.00 lakh meter achieved during 2018-19 through the various initiatives like deployment of new higher capacity drills and high performance bits, adopting latest mud technology, etc. However, the target achievement got adversely affected to a large extent due to the reason that no progress could be made from 22<sup>nd</sup> March to 31<sup>st</sup> March'2020 due to spread of COVID-19 pandemic and resulting nationwide lockdown. However, the achievement of 12.94 lakh meter in 2019-20 has been with a CAGR (Cumulative Annualized Growth Rate) in drilling of about 15% over the achievement of 2.06 lakh meter in 2006-07 (end of X Plan period).

The necessity to relook on the Business dynamics resulted in the formulation of Strategic Business Plan. CMPDIL after analysing the potential risks has formulated Enterprise Risk Management Plan outlining the series of activities and their enablers that we expect an organization to utilize in assessing, identifying, prioritizing, mitigating and monitoring of the organization's risks.

Parallely, 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 2019-20, your company has achieved highest turnover of Rs. 1381.31 crore, with a profit before tax of Rs. 312.62 crore (post considering other comprehensive income of Rs. 8.60 crore). The net worth of your company has risen to Rs. 544.51 crore as on 31.03.2020 from Rs. 415.71 crore as on 31.03.2019. During the financial year, the earning per share has gone up to Rs. 5078.52 (computed on 3,80,800 shares) from Rs. 4550.16 (computed on 3,80,800 shares) a year back.

## **3.0 Drilling Performance:**

During 2019-20, 12.94 lakh meter of drilling was carried out against the MoU target of 14.00 lakh meter which included drilling of about 4.88 lakh metre through departmental drills with productivity of 602 metre/drill/month. The drilling performance was impacted mainly on account of nationwide lockdown due to COVID-19 pandemic. The target for 2020-21 has been proposed at 11.00 lakh meter of drilling with 500 Line Km of 2D seismic survey and 100 Sq.Km of 3D Seismic survey for covering more area and to enhance the pace of drilling.

About 7.77 Billion Tonnes of additional coal resources have been added to the 'Proved category', through Detailed Exploration covering an area of about 292 Sq. Km and preparation of 25 Geological Reports, which is the highest ever coal resource proved by CMPDIL in a year since its inception.

CMPDIL had entered into a long term MOU with MECL on 6<sup>th</sup> January, 2009 for offering up to one lakh meter of exploratory drilling per annum to MECL in different coal blocks which has been enhanced to 4.0 lakh meter per annum. Through National / Global tendering, work orders have been placed for 101 blocks to outsourced agencies involving about 40 lakh meters of drilling since 2007-08.

## **4.0 Project Reports:**

During the year under review, a total of 32 Project Reports (PRs) have been prepared with capacity addition of about 178 Million tonnes per year. Out of these 32 PRs, 22 PRs are of Opencast Mines, including 9 PRs for mega projects (capacity of 10 Mty or more) and 10 PRs of Underground (UG) projects. Underground PRs include 2 nos. of mega UG projects [viz. Borda UG (6 Mty) and Jhanjra Expansion (5 Mty)] with Powered Support Longwall Technology and 8 nos. UG projects with Continuous Miner Technology. 3 PRs were also prepared for non-CIL mines.

For the first time in the history of coal mining in the country, two Opencast Project Reports, viz. Mandar Parvat (15 Mty) and Pirpainti Barahat (30 Mty), were planned with Bucket Wheel Excavator technology.

## **5.0 Upgradation of Laboratories:**

Capacities of all the laboratories in CMPDIL have been upgraded. Chemical and Petrography laboratories have been upgraded with sophisticated imported equipment and the capacities have been enhanced.

The Geo-Chemical Laboratory has been upgraded with addition of sample preparation units and other equipment like Swelling Index, LTGK, Crossing point & Ignition, Bomb Calorimeter and



capacity of Labs have also been enhanced. With increase in capacity, the revenue of Chemical Lab has increased by about 70% over the previous year. 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. New chemical analytical lab has also been setup at CMPDIL, RI-VII, Bhubaneshwar. The Chemical Lab of CMPDIL has entered into an MOU with IIT, Kharagpur for analysis of coal cores for two years, which is in addition to the existing MoU with CSIR Labs.

Coal & Mineral Preparation (CMP) Laboratory has been granted NABL accreditation in May, 2019 in accordance with ISO/IEC 17025:2017. Accreditation by such recognised body is considered as the first essential step for facilitating mutual acceptance of test results. NDT Cell of CMPDIL HQ has also been accredited with NABL certification which is in accordance with the standard ISO/IEC 17025:2017 for its facilities in the field of 'Testing' in Non-destructive testing (NDT).

The existing Environment Laboratories have been strengthened with state of the art equipment. Environment labs of CMPDIL (HQ), RI-IV, RI-V and RI-VII are accredited by NABL. Efforts are underway for getting NABL accreditation for environmental laboratories of CMPDIL at RI-I, RI-II and RI-VI. CPCB recognition of Environment Lab of CMPDIL (HQ) was obtained during the year 2016-17, which is valid for 5 years.

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, S&T funded project is under implementation by CMPDIL and CSIRO, Australia.

### **6.0 Manpower Induction:**

Manpower requirement of Exploration, Planning and Design as well as allied engineering services have been partially addressed. During 2019-20, 26 nos. of executives have been posted in CMPDIL through recruitment (by CIL) and transfer. Similarly, 24 nos. of non-executive manpower have been added by recruitment / compassionate employment / transfer from other subsidiaries and process of addition of more manpower is going on.

### **7.0 Land Reclamation Monitoring and Land use/vegetation cover mapping:**

Satellite surveillance for land reclamation monitoring of opencast coal mines of CIL having production more than 5 million m<sup>3</sup> (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 less than 5 million m<sup>3</sup> (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 87 opencast projects and 08 clusters of different subsidiaries of CIL coming under different categories has been done during the year 2019-20. Vegetation cover mapping of six coalfields viz. Kamptee and Wardha Valley Coalfields (WCL), Talcher Coalfield (MCL), Jharia Coalfield (BCCL), Bishrampur Coalfield (SECL) and Makum Coalfield (NEC) was also carried out during the year 2019-20. Land Use / Cover Mapping of Core and Buffer Zone of 31 OC/UG Mines was carried out during 2019-20 based on satellite data. Land Use / Cover Mapping for the leasehold area of 15 UG projects of SECL was also completed during 2019-20 for compliance with requirement of MoEF&CC.

## 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 and thereafter, scrutiny of drawings and Modification/ Modernization of existing washeries. These services encompass exhaustive laboratory studies, techno economics feasibility report (TEFR), conceptual report (CR), bid process management, contract document preparation and assistance in award of works followed by scrutiny of drawings during project execution.

CMPDIL has submitted all the NITs for 18 Nos. of Washeries to the respective Subsidiary Companies of CIL. Out of these 18 Washeries, on request of BCCL, a fresh NIT for Moonidih Washery (2.5 Mtpa) to wash coal at 14% ash level of clean coal has been prepared and submitted to BCCL.

A technical committee was constituted under the Chairmanship of CMD, CMPDIL, vide OM dated 04.04.18 of Ministry of Coal, for "Defining Throwaway Coal Washery Rejects in terms of its Calorific Value, framing Standard Operating Procedure for disposal of throwaway rejects in environmentally sustainable manner in the mine voids and/or other low lying areas and for devising a monitoring mechanism for disposal of throwaway rejects". After detailed deliberations and series of meetings, the report was submitted to MoC in June, 2019. The recommendations of this committee report will facilitate in adoption of a uniform policy for utilization/disposal of rejects generated from washeries in an environmentally friendly manner.

A Workshop on "Coal Beneficiation: Optimization of Clean Coal Yield at Lower Ash%" was organised by CMPDIL on 22<sup>nd</sup> Feb.'2020 at CMPDIL, Ranchi with participation of connoisseurs from different facets concerned, viz. coal producers, washery operators, prospective bidders, academic institutions, research institutes, metallurgical sector, etc. Final recommendation of outcome has been sent to MoC for approval.

## 9.0 Environmental Services:

During 2019-20, 52 nos. of EIA/EMPs (Environment Management Plans), including 31 Form-I, were prepared and Environmental Monitoring (air, water and noise) of 314 projects/clusters/ establishments of CIL were carried out through nine environmental laboratories located at Asansol, Dhanbad, Nagpur, Bilaspur, Kusmunda, Hasdeo, Jayant, Bhubaneswar and Ranchi. Quick comments on 11 nos. of Mine Closure plans were also prepared and sent to MoC. Some new studies, viz. carrying capacity of coal mining areas, study of riverine eco-system, scientific sand replenishment studies and design of vertical greenery system/wind barrier were successfully completed.

Further, CMPDIL is continuing its accreditation as Environmental Impact Assessment (EIA) consulting organization by Quality Council of India (QCI) (a MoEF&CC's designated agency), New Delhi for mining of minerals including opencast/underground Mining, thermal, CBM and coal washing sectors to render its services to CIL and other organization spread across India..

## 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 Areas.





The CBM development in India gained momentum with the announcement of Coal Bed Methane (CBM) Policy in 1997, which laid the foundation of commercial exploitation of CBM in India. Ministry of Petroleum & Natural Gas (MoP&NG) is the administrative Ministry for Govt. of India and Directorate General of Hydrocarbons (DGH) has been made the Nodal Agency for the development of CBM in the country.

Government of India has granted permission to Coal India Ltd. (CIL) and its subsidiaries to explore and exploit Coal Bed Methane (CBM) from coal bearing areas, for which, they possess mining lease for coal. Accordingly, MoP&NG, vide notification dated, 8<sup>th</sup> May, 2018, has made partial modification in CBM Policy, 1997 for Coal India Ltd. and its subsidiaries. Therefore, Mining Lease granted to CIL is also deemed as possession of Petroleum Mining Lease (PML) subject to compliance of certain obligations/ formalities. Therefore, vide this notification, the right vested/mining lease with CIL and its subsidiaries for extraction of coal under various Act(s) would be deemed to be a mining lease granted under PNG Rules for exploration and exploitation of CBM.

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.

Project Feasibility Report (PFR) of Jharia CBM-I Block (BCCL Area) and Raniganj CBM Block (ECL Area) have been approved in-principle by respective Subsidiary Board for commercial extraction of CBM for its lease hold areas through MDO mode. Accordingly, CBM Developer (CBMD) will be selected through global bidding under Revenue Sharing Model (RSC). It is proposed that CMPDIL will be the Principal Implementing agency (PIA) under Memorandum of Agreement (MoA) with respective Subsidiary/Lessee. Memorandum of Agreement (MoA) with CMPDIL on operationalization of projects has been agreed in-principle by respective subsidiary of CIL. Steps have also been taken up by CMPDIL/CIL for identification of additional CBM blocks in BCCL and CCL command areas within CIL leasehold.

Production of CBM from CIL areas may have a marginal commercial proposition, however, it will help in enhancing future coal mining of gassy seams safer due to extraction of CBM prior to coal mining. It has been envisaged that CBM production from CIL areas may be maximum of around two million cubic meters per day (2MMSCMD). A demonstration project on Coal Mine Methane drainage at Moonidih UG mine (BCCL) in Jharia Coalfield has been approved by BCCL Board. Global Bid has been floated by BCCL for selection of suitable Technology Provider to execute the project under concept to commissioning and operation mode.

MoC has made CMPDIL as Nodal Agency for the development of Underground Coal Gasification (UCG) in India. MoC has constituted an Inter Ministerial Committee (IMC) for identification of areas for UCG on the lines broadly similar to the existing policy of CBM development in order to identify areas to be offered, deciding about blocks to be put to bidding or awarding to PSUs on nomination basis, proposing the mechanism for bidding process and other related matters. In the 2<sup>nd</sup> IMC meeting, seven coal and seven lignite blocks have been identified for the purpose. Model Contract Document & Model Bid Documents have been prepared and recommended by IMC in October, 2019 for approval of the GoI to further facilitate UCG development in India. Policy on UCG Development has also been notified by MoC.



It is also envisaged to develop surface coal gasification project by CIL and its subsidiaries to produce around 50 MTPA by 2030 through coal to liquid technology. CMPDIL will extend its services to examine suitability of coal mines for "Coal Gasification Project" and facilitate preparation of Project Feasibility Report (PFR) for coal mines identified by concerned subsidiary.

### 11.0 S&T projects and R&D projects:

Your company is the Nodal Agency to coordinate research activities funded under S&T Grant of Ministry of Coal (MoC) and R&D Board of CIL. Besides coordination of R&D works by various academic and research institutes, CMPDIL, with its well established laboratories, is also undertaking research in key areas of mining, coal exploration, development of coal based non-conventional energy resources like Coal Bed Methane (CBM), Coal Mine Methane (CMM), Gasification (Surface and Underground), Shale gas assessment, Coal Beneficiation & Utilisation and Mine Environment related issues.

Over the years, many of completed projects have yielded considerable benefits resulting in operational improvement, safer working conditions, better resource recovery and protection of environment. While few research projects have produced tangible impact on the industry directly, some have strengthened mine planning, design and technical services required by both, operating mines and future mining projects. Different design/methodology/procedure have been developed specifically for Indian geo-mining conditions to cater problems like underground coal pillar design, analysis of roof cavability, optimum blast design for various rock conditions, opencast slope stability, on-line coal washability analyser, sustainable livelihood activities on reclaimed opencast coal mines, Self-Advancing (mobile) Goaf Edge Supports (SAGES) for depillaring operations, etc.

During 2019-20, 7 nos. of research projects have been completed. The completed projects pertain to 'Shale gas potentiality evaluation of Damodar Basin of India', 'Studies of techno-commercial efficacy of ANFO with low density porous prilled Ammonium Nitrate for blasting overburden in Coal mines', 'An integrated geo-physical approach for tectonic study in main coal basin of Singrauli coalfield using 3D inverse modelling of Gravity, Magnetic and AMT data', 'Dry Beneficiation of High Ash Indian Thermal Coal', 'Seismic data processing, interpretation and identification of thin coal seams using Inverse Continuous Wavelet Transform Deconvolution (ICWT-Decon) for resource estimation', 'Hybrid PRESRIX process for simultaneous remediation of acid mine drainage and recovery of individual metal sulphides' and 'Assessment of applicability and performance of Ground based Interferometry Synthetic Aperture Radar (GbInSAR) in safety zoning of surface mining slopes'.

All out efforts are continuing by CMPDIL to involve more and more research & academic institutions in India and abroad, coal/lignite producing companies for need based research work beneficial to coal/lignite industry. At present, 29 research projects are under implementation. Major projects are related to 'Design and stability of pillars/arrays of pillars for different mining methods in coal mine workings', 'Reclamation of coal mined land of North Eastern Coalfields, Assam through soil amendment and revegetation with native plant species using integrated biological approach', 'Development of guidelines for increasing the height of overburden dumps at opencast coal mines in India', 'Optical fiber based solar illumination of pit bottom and underground mine roadways and working face', 'Development of Virtual Reality Mine Simulator (VRMS) for improving safety and productivity in coal mines', 'Development of suitable Paste Fill material from Fly Ash (Power Plant Reject) and its transportation system to underground coal mines for stabilization of working as an

alternative of sand stowing', 'Multiple layer trial blasting for better recovery with less diluted coal' 'Development of guideline for prevention & mitigation of explosion hazard by risk assessment and determination of explosibility of Indian coal incorporating risk based mine emergency evacuation and re-entry protocol', 'Capacity building for extraction of Coal Mine Methane (CMM) resource within CIL command areas' and 'Development of a methodology for regional air quality monitoring in coalfield area using satellite data and ground observations', etc. which are being executed in association with reputed organizations like IIT-ISM, Dhanbad; IIT, Kharagpur; IIT, Roorkee; CIMFR, Dhanbad; RFRI, Jorhat; CSIRO, Australia, NRSC, Hyderabad; etc.

## **12.0 Corporate Social Responsibility and Sustainability:**

CMPDIL has built strong partnership with the communities around its drilling camps, Regional Institutes & HQ as well as with the wider society through a well-conceived basket of CSR interventions for the betterment of lives of the people. Under CSR, activities of sustainable development for communities in and around our drilling sites were carried out by CMPDIL.

Major activities carried out during the year 2019-20 include infrastructure development in schools/ villages; educational support to poor and needy school children; financial assistance for treatment and care of leprosy patients; sponsorship to Physically/Mentally Challenged & Blind Students; skill development of unskilled and unemployed youths; distribution of masks & hand sanitizer for containment of COVID-19; organization of medical camps at different locations in Ranchi, Nagpur, Bilaspur, Dhanbad, Asansol & Bhubaneswar; Installation of 5 KW solar Plant at Zila Parishad Prathamik Shala, Chandrapur Distt., Maharashtra; construction of room with provision of fixture and furniture for Heat Stress patients at Kosala Community Health Centre, Odisha and providing provision of drinking water by drilling and installation of bore wells and installation of hand pumps in villages of Jharkhand, Madhya Pradesh, Chhattisgarh and Odisha along with other rural development works near drilling camps.

## **13.0 Consultancy Services in Management System standards:**

CMPDIL is the nodal agency for implementation of Management System standards in all subsidiaries of Coal India Limited, providing consultancy services for application of different Management System standards, like ISO 9001, ISO 14001, ISO 50001, OHSAS 18001, etc. We provide guidance and support in establishment, documentation, awareness training, internal auditors training, auditing supports, implementation, certification support as well as post certification support for these standards.

CMPDIL, with all its Regional Institutes, has been licensed by Bureau of Indian Standards for fulfilment of the requirements of the new revised ISO 9001:2015 standard. CMPDIL has also updated its Strategic Business Plan with a perspective to enhance revenue by leveraging its in-house consultancy services for the next ten years. The present IMS Manual of CMPDIL covers ISO 9001:2015, ISO 14001:2015, ISO 27001:2013 and ISO 50001:2011.

Under our guidance & support, CIL (HQ) has got certification against ISO 9001:2015, ISO 14001:2015 and ISO 50001:2011 (Quality Management System, Environment Management System and Energy Management System) from Bureau of Indian Standards. Further, the documentation of upgradation from ISO 50001:2011 to ISO 50001:2018 has been completed. The certification work of ISO 50001:2018 is under process.



As on 31<sup>st</sup> March 2020, three of CIL subsidiaries, namely ECL, NCL and CCL, have been certified for their companywide Integrated Management System (ISO 9001, ISO 14001 and OHSAS 18001). MCL & ECL have completed the documentation work for upgradation from OHSAS 2007 to ISO 45001:2018 under CMPDIL's support and guidance. Certification of the upgraded standard is under process. The documentation Work of Upgraded IMS has been completed by BCCL under the guidance of CMPDIL. The certification work is under process.

The Job of documentation and implementation of ISO 45001:2018 in place of OHSAS 18001 (Occupational Health and Safety Management System) for MCL, ECL and NCL are under process at our end. The Job of implementation of companywide Integrated Management System (ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018) for BCCL is under progress. Further, BCCL HQ is in process of implementing ISO 37001 with the consultancy services of CMPDIL. CMPDIL is also providing support and guidance to BCCL, SECL and WCL who are next in line for implementing and getting certified for a companywide Integrated Management System (ISO 9001, ISO 14001 and OHSAS 18001/ISO 45001) in the next financial year.

Under outside consultancy services, implementation of Integrated Management System (ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018) for Pakri Barwadi OC Coal Mine Project of M/s NTPC has been successfully completed and delivered to the client during the year 2019-20.

#### **14.0 Consultancy-other than CIL**

During the year 2019-20, 29 outside-CIL consultancy jobs were successfully completed by CMPDIL for 21 organisations outside CIL. Some of the major clients/organizations are Ultratech Industries Ltd., NTPC Ltd., Odisha Coal & Power Ltd. (OCPL), Gujarat Industries Power Company Ltd. (GIPCL), NLC India Ltd., etc.

Presently, 29 outside-CIL consultancy jobs are being executed by CMPDIL for 18 organisations like NTPC Ltd., SAIL, THDC India Ltd., MOIL Ltd., Singareni Collieries Company Ltd. (SCCL), JSW Steel Ltd., Talcher Fertilizers Ltd., NLC India Ltd., HINDALCO Industries Ltd., etc.

During the year 2019-20, 27 outside-CIL consultancy jobs worth Rs.27.20 crore were procured by CMPDIL from 21 organizations which include consultancy jobs from Ministry of Coal, PSUs/Govt. Organizations and Private Companies.

#### **15.0 Information and Communication Technology services**

Mine Data Management System Portal (MDMS) was developed which depicts salient features of projects being monitoring by CIL. The main features of the portal is to monitor the progress of coal projects which encompasses Environmental Clearance (EC), Forest Clearance (FC), Land Acquisition, Rehabilitation & Resettlement (R&R), financial parameters, HEMM procurement, production and other major infrastructure such as Coal Handling Plant (CHP), silo and railway sidings. Mine Data Management System Portal (MDMS) Software has been extended to State Nominated Authorities and Private Block Allottees to monitor Non-CIL Coal Blocks.

Online Recruitment Portals for Non-executives for different Subsidiaries of CIL viz NCL, CCL and CMPDIL have been developed and implemented during the year 2019-20.

CMPDIL has established MS Project Server through which CIL Projects are being monitored online by CIL & MoC.

CMPDIL has also been entrusted with the task of the implementation of e-Office for entire Coal India Limited. The centralized infrastructure and MPLS connectivity has been established at all Subsidiary HQ locations; CIL, New Delhi; CIL HQ, Kolkata; IICM and NEC. E-office is running in all the locations.

## 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 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 from DPE consistently since 2007-08 (barring 2010-11). MoU for 2018-19 is under evaluation 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

Place : Ranchi

Date : 09.06.2020

**(Shekhar Saran)**

Chairman-cum-Managing Director

## CMPDI LTD

### PERFORMANCE AT A GLANCE

Rs in crores

FINANCIAL YEAR	2019-20 (Audited)	2018-19 (Audited)	2017-18 (Audited)
<b>PARTICULARS</b>			
Sale of Services (Net Sales)	1381.31	1274.56	1154.75
Other Income	21.7	13.01	15.09
Total Income	1403.01	1287.57	1169.84
Total expenses	1090.39	1023.75	1049.02
PBT	312.62	263.82	120.82
PAT	193.39	173.27	80.83
Net Block	182.5	180.39	147.23
Current Assets	1057.35	959.84	1165.69
Current Liabilities	424.63	541.86	857.55
Working Capital	632.72	417.98	308.14
Capital Employed *	815.22	598.37	455.37
Equity Capital	38.08	38.08	38.08
Reserve & Surplus	550.8	428.74	277.25
Net Worth**	570.31	447.95	315.33
Return on Capital Employed	38.37	44.11	26.59
EPS	5078.52	4550.16	2122.64

\* Capital employed= Net Block + Working Capital

\*\* Net Worth= Equity Share capital + Reserve & surplus (Excluding Capita Reserve)

Rs in crores

Financial Year	2019-20 (Audited)	2018-19 (Audited)	2017-18 (Audited)
PBT	312.62	263.82	120.82

Rs in crores

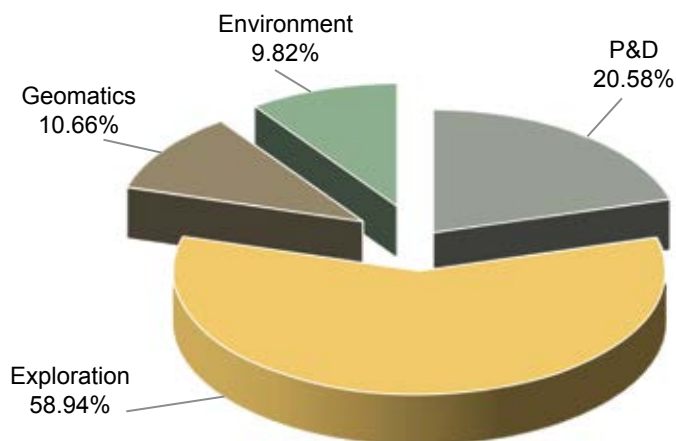
Financial Year	2019-20 (Audited)	2018-19 (Audited)	2017-18 (Audited)
Sale of Services (Net Sales)	1381.31	1274.56	1154.75



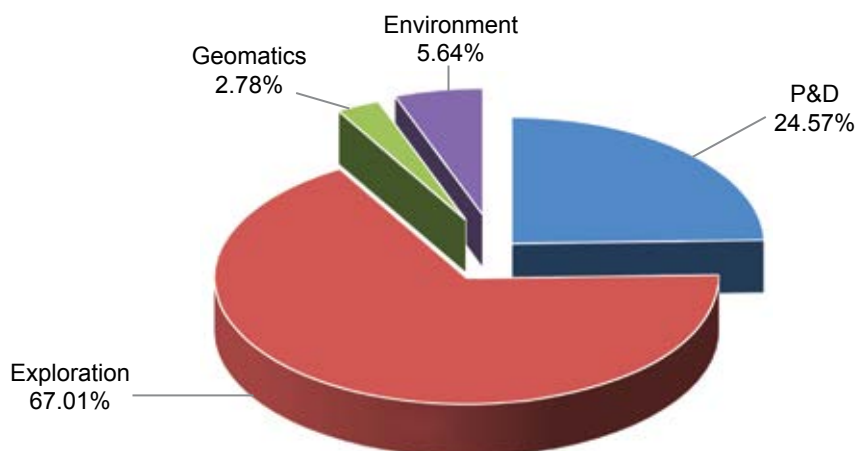


## FINANCIAL OVERVIEW OF CMPDIL

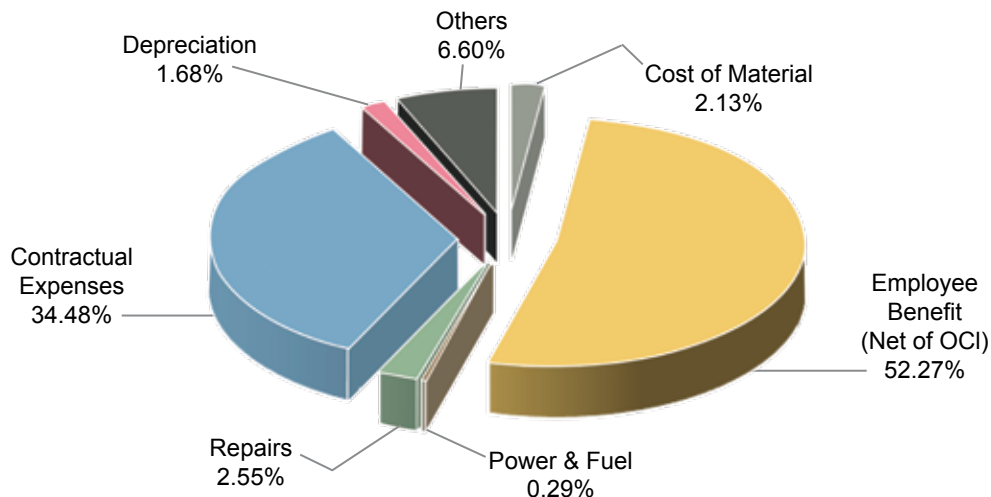
### Sales Breakup (2019-20)



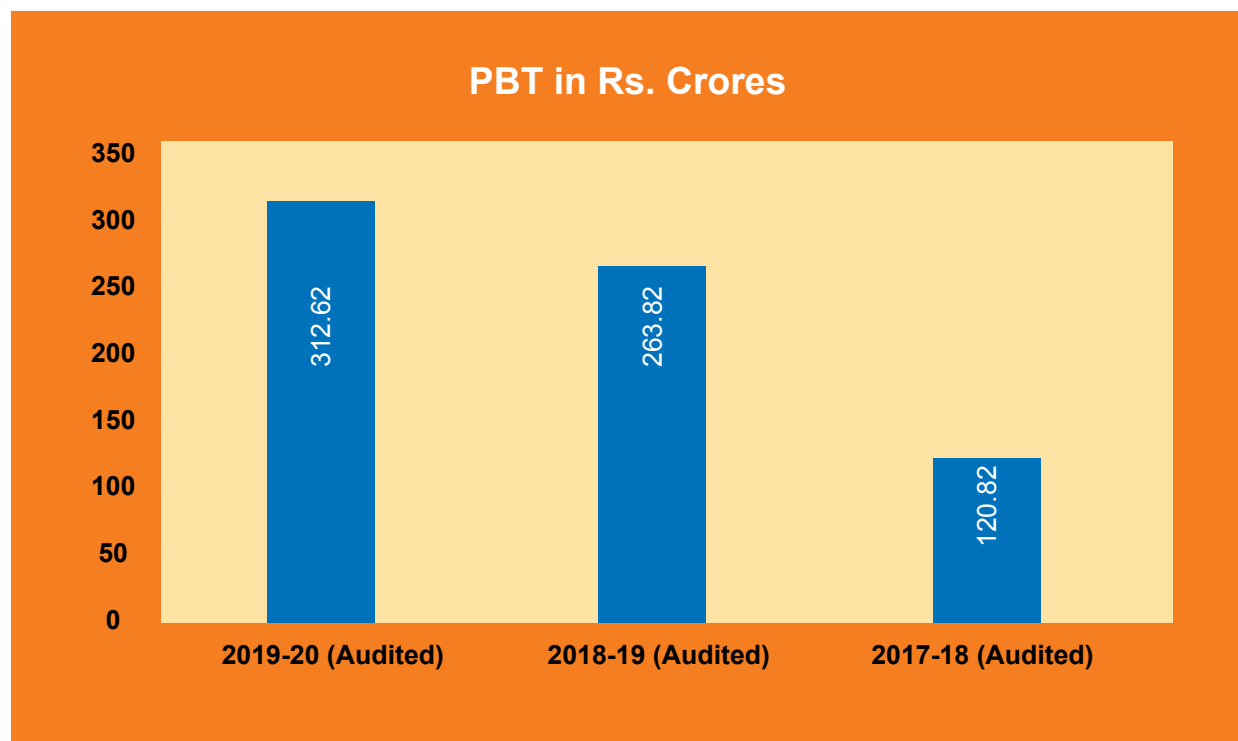
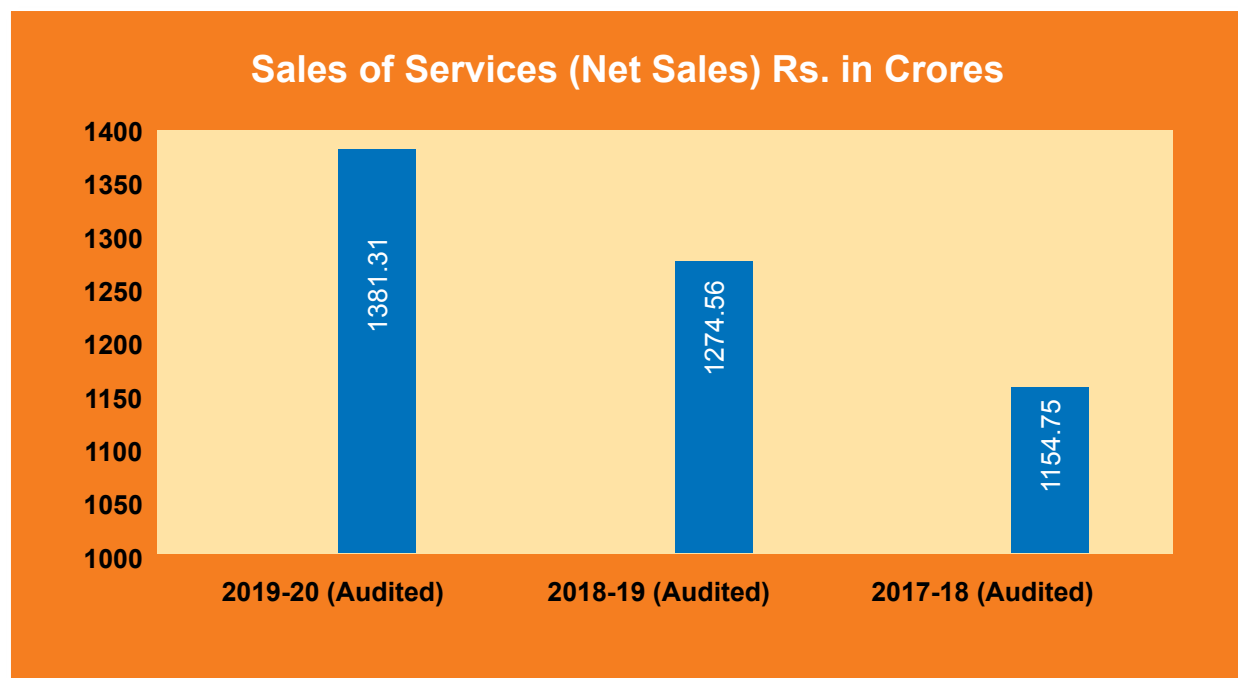
### Expenditure Breakup (2019-20)



### Expenditure Breakup (2019-20)



## FINANCIAL OVERVIEW OF CMPDIL





## DIRECTORS' REPORT

To  
The Shareholders  
Gentlemen,

On behalf of the Board of Directors, I have great pleasure in presenting the 45<sup>th</sup> Annual Report on the working of your Company along with the Accounts for the year ended 31<sup>st</sup> March, 2020 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.

Presently, 29 outside-CIL consultancy jobs are being executed by CMPDIL for 18 organisations like NTPC Ltd., SAIL, THDC India Ltd., MOIL Ltd., Singareni Collieries Company Ltd. (SCCL), JSW Steel Ltd., Talcher Fertilizers Ltd., NLC India Ltd., HINDALCO Industries Ltd., etc.

During the year 2019-20, 27 outside-CIL consultancy jobs worth Rs.27.20 crore were procured by CMPDIL from 21 organizations.

#### 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 ₹ 193.39 Crores. The working results of the company are given below:

(₹ In Crores)

Particulars	Year ending 31.03.2020	Year ending 31.03.2019
Net Sales	1381.31	1274.56
Other Income	21.70	13.01
Total expenses	1090.39	1023.75
Profit Before Tax	312.62	263.82
Tax Expenses	119.23	90.55
Profit After Tax (A)	193.39	173.27
Other Comprehensive Income (OCI)*	(8.60)	(6.39)
Income Tax that will be reclassified to Profit or Loss	(2.16)	(2.23)
Total Other Comprehensive Income (B)	(6.44)	(4.16)
<b>Total Comprehensive Income (A) + (B)</b>	<b>186.95</b>	<b>169.11</b>

## 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 are as follows:

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. Land reclamation monitoring of opencast mines producing more than 5 million cubic meter (Coal+OB) per annum are being carried out by satellite surveillance on yearly basis, whereas, in respect of opencast mines producing less than 5 million cubic meter (coal+OB) per annum, it is being carried out at three years' interval.

**d. 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 (Quality Management System), ISO 14001 (Environmental Management System), OHSAS 18001 (Occupational Health and Safety Management), SA 8000 (Social Accountability Management), ISO 50001 (Energy Management System), ISO 27001 (Information Security Management System) and ISO 37001 (Anti Bribery Management System). CMPDIL, with all its Regional Institutes, have been licensed by Bureau of Indian Standards for fulfillment of the requirements of the new revised ISO 9001:2015 standard.

- 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. **Specialised Services** - Expert consultancy services are also offered in the field of 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, OBR Check Measurement, etc.

### 1.3.3 Industry Structure and Development

The pre-COVID-19 period of the year 2019 was a difficult year for the global economy with world output growth estimated to grow at its slowest pace of 2.9 percent since the global financial crisis of 2009, declining from a subdued 3.6 percent in 2018 and 3.8 percent in 2017. The reasons assigned was protectionist tendencies of China and USA, and rising USA-Iran geo-political tensions. Nonetheless, the COVID-19 pandemic is inflicting high and rising human cost worldwide. As a result, the global economy is projected to contract sharply by -3% in 2020, much worse than

during the 2008-09 financial crisis. There is extreme uncertainty around the global growth forecast. The economic fallout depends on factors that interact in ways that are hard to predict, including the pathway of the pandemic, the intensity and efficacy of containment efforts, the extent of supply disruptions, shift in spending patterns, etc. Many countries are facing a multi-layered crisis and risks of a worse outcome, the dimensions of which are still not defined clearly. India, at large, is also fighting the COVID-19 pandemic by tooth and nail and its repercussions cannot be ruled out.

Mining in India is a major economic activity which contributes significantly to the economy of the country. The coal mining and coal-fired thermal power generation sector are two of the core industries and together contribute about 10% 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, as on date depend on India's domestic coal industry. Economic activities in three eastern states (Jharkhand, Odisha and Chhattisgarh) are significantly dependent on coal. The sector employs about 5,00,000 people directly and, possibly, the same number indirectly. 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.

Coal demand in India has increased by more than one-fourth in the last five years and increase in demand has been driven by both, power sector and non-regulated sector. Power sector remains the key consumer segment as coal-fired plants generate 72% of India's electricity. Even in the most pessimistic scenario, it appears that the demand for coal in India, as a source of primary energy, shall expand until 2030 and perhaps beyond. Overall coal demand is estimated to be about



1049 Mt by 2021 (Estimate by Ministry of Coal) and about 1300 to 1900 Mt by 2030 as per Coal Vision 2030 document prepared by KPMG. 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. However, adverse impact on coal demand is being apparent in the country due to the post COVID-19 lockdown impact in the consuming units leading to an effort from the government to curtail the import of coal which has been draining out the foreign exchanges and go for the import substitution to the extent possible. Moreover, with the end of the lockdown and opening of the consuming points, the pace of coal demand will increase greatly.

Out of about 19400 sq km of prognosticated coal bearing area in the country, about 16558 Sq. Km has been covered through Regional Exploration, about 7620 sq km has been covered 2781 sq km area is under Detailed Exploration (as on 01.04.2020). The Government has further directed CMPDIL to expedite the Regional and Detailed Exploration with emphasis on 2D/3D Seismic Survey in the country so as 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 sharp as possible to exploit the available coal resources of the country to the extent possible. Considering the same, the administrative ministry is trying for putting up the Non-CIL coal blocks with G2 level of resources (explored with about 2 boreholes per sq km of drilling with 2D/3D seismic surveys) for auction in place of previous practice of exploration with more than 6 boreholes per sq km.

The target of 11.00 lakh metre drilling along with data acquisition through 2D Seismic Survey of 500 Line km and 3D seismic survey of 100 sq km have

been proposed for 2020-21 with an aim to have priority on 2D / 3D seismic surveys in exploration in combination with the physical drilling with reduced borehole density, prolonged COVID-19 lockdown, difficult geological conditions like increase in average borehole depth beyond 500 metre, non-accessibility of drill sites due to forest land, adverse law & order conditions in some areas and non-availability of suitable outsourced agencies with modern infrastructure.

Moreover, exploration and planning support would be required by CIL 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 Ultratech Industries Ltd., NTPC Ltd., Odisha Coal & Power Ltd. (OCPL), Gujarat Industries Power Company Ltd. (GIPCL), NLC India Ltd., 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 Mine Methane, Underground Coal Gasification (UCG), etc., is likely to be the sources of consultancy work for CMPDIL. CMPDIL, has acted proactively and proposed itself as the Principal Implementing agency for execution of the CBM projects in CIL areas, including Jharia and Raniganj blocks of CBM. 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 years. However, the changing scenario in the country and the world, particularly which would be during and after the Post-COVID-19, certainly necessitate a relook on the business dynamics of CMPDIL, as well. This also entails a proper study of future market scenario in the coal sector and possible opportunities for foray in other areas in a major way.

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, some doubts had been raised over India's reducing appetite for thermal coal and sustenance of the coal demand on a longer time horizon. Nevertheless, the Government's commitment to exploit the renewable sources of energy in a big way, parallely, is likely to impact the future expansion programme of the coal sector. India's post-2020 'climate action plan' has promised to reduce emission intensity by 33-35% by 2030 over the 2005 levels apart from boosting the share of clean energy in electricity generation and adding carbon sinks with tree and forest cover to remove carbon dioxide from the atmosphere. 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. Reduction in the demand of coal will undermine the requirement of exploration in coal, as well. Exploration, being the major contributor to the turnover of CMPDIL, would have to be diversified for non-coal sector, including metal sector, to continue its dominance.

Considering the above and to infuse dynamism in business domain of CMPDIL, it will be realistic to ensure enhancement in the exploration capacity though further productivity improvement and particularly, through 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 and vision:**

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 with addition of 2D/3D seismic survey, etc.
- (ii) Diversification in newer areas of mineral, mining and allied engineering sectors other than coal,
- (iii) Increasing market share for outside clients,
- (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) Development of Coal based alternative source of energy.

### 1.3.5 Strength and weakness

#### Strength

- CMPDIL is truly 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 more than 1400 multidisciplinary skilled and experienced manpower.
- Has rich experience of executing over 1300 integrated coal exploration projects, planning of over 1000 mining Project Reports with individual project capacity up to 70 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

- 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 operation cost and fixed cost i.e. employee compensation in comparison to peers in the industry.
- High rate of superannuation of skilled and experienced executive, workforce and attrition of new recruits after being trained.
- Non diversification i.e. mainly restricted to coal industry
- Shortage of skilled and qualified personnel in executive and non-executive cadre.

### 1.3.6 Opportunities and Threats

#### Opportunities

- The demand for coal is likely to continue at least up to 10 to 12 years providing scope for CMPDIL services
- Auction/allotment of coal blocks to captive users - both to public & private companies by the Government have created more market opportunities for CMPDIL outside CIL
- Develop as an agency acting as a service platform providing complete exploration and mining solution
- Need to enhance the application of IT in coal sector

- Diversification in non-coal sector
- Expansion of services in the field of specialized services related to CBM/CMM/UCG/Other non-conventional energy resources.

### Threats

- The government has set in motion plans to bring sweeping changes to the sector. It has liberalised the coal sector by allowing 100 per cent FDI. This move may result in market competition from other domestic or international consultancy service providers.
- In absence of commensurate growth in the regional exploration, sustenance of the present detailed drilling capacity seems difficult in near future.
- 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. There may be a downward trend in coal mining leading to decrease in the consultancy assignments to 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. The services rendered to Holding Company (CIL) and its other subsidiaries are priced uniformly at cost plus service charges of 10% for P&D service, 7.5% for Departmental drilling services and for drilling services performed by outsourced agencies service charges range from 7.5% to 20%. Environment monitoring jobs are carried out at 90% of Central Pollution Control Board (CPCB) rate of 2017. A separate cost centre (Geomatics) introduced w.e.f. 01.04.2018, previously it was included in P&D jobs (internal consultancy).

### 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 could be carried out in 2019-20 against the achievement of 13.60 lakh meter in 2018-19 mainly due to nationwide lockdown arising out of COVID-19 pandemic. CMPDIL could carry out 42.08 lakh meter of drilling during the XII Plan period (2012-17) in comparison to about 19.41 lakh meter of drilling during the XI Plan period (2007-12) and 10 lakh meter of total drilling carried out during the X





Plan period (2002-07). 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. Furthermore, with the achievement of 12.94 lakh metre in 2019-20, a CAGR (Cumulative Annualized Growth Rate) in drilling of about 15% over the achievement of 2.06 lakh meter in 2006-07 (end of X Plan period) could be achieved.

About 7.77 Billion Tonnes of additional coal resources have been added to the 'Proved category', through Detailed Exploration covering an area of about 292 sq km and preparation of 25 Geological Reports, which is the highest ever coal resource proved by CMPDIL in a year since its inception.

CMPDIL has taken up 2D seismic survey on large scale and data acquisition with depth range of about 1000 metre by Vibroseis imported from M/S SERCEL, France. Data acquisition for North of Piparwar PH-II block (20.68 sq km), NKCF with Paradigm Software (High speed seismic data processing) has been completed and Interim Report submitted. In addition to this, data acquisition in two blocks i.e. Northern Part of North of Arkhapal, Talcher CF & Nigwani-Bakeli-A, Sohagpur CF was taken up during 2019-20.

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.

Government of India has put coal exploration on the fast track. It is envisaged to expedite Regional Exploration of the country and to identify more potential areas

for Detailed Exploration. This could be possible only through adoption of modern technologies which will reduce quantum of drilling and make the Geological Models more reliable. The Seismic Survey, widely used in Oil Sector, can be extended to Coal Sector also subject to increased precision in derived results. Apart from it, the aerial geophysical survey would lead to identification of concealed coal bearing sedimentary basin in extension areas of the coal belts. CMPDIL is already in the process of capacity building of exploratory drilling with the involvement of modern improved techniques in drilling. It has already 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 11.00 lakh metre drilling along with data acquisition in respect of 2D Seismic Survey of 500 Line Km and 3D Seismic survey of 100 sq km has been proposed for 2020-21, against the achievement of 12.94 lakh metre in 2019-20. Pace of exploration during the last three years has stagnated mainly due to uncertainty in funding for exploration in Non-CIL blocks, adverse law & order condition prevailing in some of the coal block areas, non-receipt of permission for detailed drilling in respect of 105 coal blocks applications pending for forestry permission, etc. CMPDIL had entered into a long term MOU with MECL on 6th January, 2009 for offering up to one lakh metre of exploratory drilling per annum to MECL in different coal blocks which has been enhanced to 4.0 lakh metre per annum. Through National / Global tendering, work orders have been placed



for 101 blocks to outsourced agencies involving about 40 lakh meters of drilling since 2007-08. Moreover, hindrances in drilling due to adverse law & order and non-receipt of clearance for drilling of forest areas are being vigorously followed up with MoEF&CC and concerned states by CMPDIL, CIL and MoC.

Out of 32 PRs submitted during the year under review, 22 PRs were of Opencast Mines, including 9 for mega projects (capacity 10 Mty or more), and 10 PRs were of UG projects, including 2 nos. of mega UG projects with Powered Support Longwall Technology and 8 nos. UG projects with Continuous Miner Technology.

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. New chemical analysis lab has been setup at CMPDIL, RI-VII, Bhubaneswar. The Geo-Chemical Laboratory has been upgraded with sophisticated imported equipment and the capacities have been enhanced. Coal & Mineral Preparation (CMP) Laboratory has been granted NABL accreditation in May, 2019 in accordance with ISO/IEC 17025:2017. NDT Cell of CMPDIL HQ has also been accredited with NABL certification during the year which is in accordance with the standard ISO/IEC 17025:2017 for its facilities in the field of 'Testing' in Non-destructive testing (NDT). The existing Environment Laboratories have been strengthened with state of the art equipment, too. Environment labs of CMPDIL (HQ), RI-IV, RI-V and RI-VII are accredited by NABL. Efforts are underway for getting NABL accreditation for environmental laboratories of CMPDIL at RI-I, RI-II and RI-VI. CPCB recognition of Environment Lab of CMPDIL (HQ) was obtained

during the year 2016-17, which is valid for 5 years.

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, S&T funded project is under implementation by CMPDIL and CSIRO, Australia.

Satellite surveillance for land reclamation monitoring of opencast coal mines of CIL having production more than 5 million m<sup>3</sup> (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 less than 5 million m<sup>3</sup> (Coal+OB) per annum was also taken up from the year 2011 in phased manner at an interval of three years.

Technical services are provided to the subsidiary companies of CIL for Greenfield Coal washeries, right from preparation of conceptual reports to award of works and thereafter scrutiny of drawings and Modification/ Modernization of existing washeries. CMPDIL has submitted all the NITs for 18 Nos. of Washeries to the respective Subsidiary Companies of CIL. Out of these 18 Washeries, on request of BCCL, a fresh NIT for Moonidih Washery (2.5 Mtpa) to wash coal at 14% ash level of clean coal has been prepared and sent to BCCL.

A committee report on "Defining Throwaway Coal Washery Rejects in terms of its Calorific Value, framing Standard Operating Procedure for disposal of throwaway rejects in environmentally sustainable manner in the mine voids and/ or other low lying areas and for devising a monitoring mechanism for disposal of throwaway rejects" was prepared



and submitted to MoC in June, 2019. The recommendations of this report will facilitate in adoption of a uniform policy for utilization/disposal of rejects generated from washeries in an environmentally friendly manner. A Workshop on "Coal Beneficiation: Optimization of Clean Coal Yield at Lower Ash%" was organised by CMPDIL on 22<sup>nd</sup> Feb.'2020 at CMPDIL, Ranchi with participation of connoisseurs from different facets concerned.

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 Areas. 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. Project Feasibility Reports of Jharia CBM-I Block (BCCL Area) and Raniganj CBM Block (ECL Area) have been approved in-principle by respective Subsidiary Board for commercial extraction of CBM for its lease hold areas through MDO mode. It is proposed that CMPDIL will be the Principal Implementing agency (PIA) under Memorandum of Agreement (MoA) with respective Subsidiary/Lessee. Production of CBM from CIL areas may have a marginal commercial proposition. However, it will help in enhancing future coal mining of gassy seams safer due to extraction of CBM prior to coal mining. A demonstration project on Coal Mine Methane drainage at Moonidih UG mine (BCCL) in Jharia Coalfield has been approved by BCCL Board.

MoC has made CMPDIL as Nodal Agency for the development of Underground

Coal Gasification (UCG) in India. In the 2<sup>nd</sup> IMC meeting, seven coal and seven lignite blocks have been identified for the purpose. Model Contract Document & Model Bid Documents have been prepared and recommended by IMC in October, 2019 for approval of the Govt. of India to further facilitate UCG development in India. Policy on UCG Development has also been notified by MoC.

It is also envisaged to develop surface coal gasification project by CIL and its subsidiaries to produce around 50 MTPA by 2030 through coal to liquid technology. CMPDIL will extend its services to examine suitability of coal mines for "Coal Gasification Project" and facilitate preparation of Project Feasibility Report (PFR) for coal mines identified by concerned subsidiary.

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. Different design/methodology/procedure have been developed specifically for Indian geo-mining conditions to cater problems like underground coal pillar design, analysis of roof cavability, optimum blast design for various rock conditions, opencast slope stability, on-line coal washability analyser, sustainable livelihood activities on reclaimed opencast coal mines, Self-Advancing (mobile) Goaf Edge Supports (SAGES) for depillaring operations, etc.



Efforts are continuing by CMPDIL to involve more and more research & academic institutions, coal/lignite producing companies for need based research work beneficial to coal/lignite industry. At present, 29 projects are under implementation.

CMPDIL is also providing consultancy services for application of different Management System standards in all subsidiaries of Coal India Limited, like ISO 9001, ISO 14001, ISO 50001, ISO 27001, OHSAS 18001, etc. CMPDIL with all its Regional Institutes have been licensed by Bureau of Indian Standards for fulfillment of the requirements of the new revised ISO 9001:2015 standard. The present IMS Manual of CMPDIL covers ISO 9001:2015, ISO 14001:2015, ISO 27001:2013 and ISO 50001:2011.

CMPDIL has established MS Project Server through which CIL Projects are being monitored online by CIL & MoC. CMPDIL has also been entrusted with the task of the implementation of e-Office for entire Coal India Limited. The centralized infrastructure and MPLS connectivity has been established at all Subsidiary HQ locations; CIL, New Delhi; CIL HQ, Kolkata; IICM and NEC. E-office is running in all the locations..

### 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. 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 2014-2015, CMPDIL 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 the FY 2015-16 onwards, system of grading was

changed from 5-point scale to percentage system. For the FY 2017-18, CMPDIL was awarded with 'Excellent' rating whereas, performance evaluation of MoU for FY 2018-19 is under process.

### 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 liberalisation of coal sector.
- 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 Government of India and are fixed once in 5 years for coal workers 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 from fiscal year 2018-19 is Rs.1403.01 crores as against Rs.1287.57 crores in the previous year, thus registering an increase of 8.97%. The total expenditure is Rs.1090.39 Crores (Net of OCI).

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. 312.62 crores (Excluding OCI) as against Rs. 263.82 crores (Excluding OCI) in the previous year, increased by Rs. 48.80 crores. The profit after tax is Rs. 193.39 crores (Excluding OCI) as against Rs. 173.27 crores (Excluding OCI) for the previous year, increased by Rs.20.12 crores.

## 1.4 Financial Overview of CMPDIL

During the year the company made a profit after tax of Rs. 193.39 Crore. The summary of the working results for the last three years is as follows:

(₹ In Crores)

Particulars		Performance of CMPDIL		
		F.Y. 2017-18	F.Y. 2018-19	F.Y. 2019-20
1.	Profit before Taxes (₹ in Crore)	120.82	263.82	312.62
2.	Profit after Taxes (₹ in Crore)	80.83	173.27	193.39
3.	Turnover (₹ in Crore)	1154.75	1274.56	1381.31
4.	Profit before tax to Turnover (%)	10.46	20.69	22.63
5.	Earning per share (₹)	2122.64	4550.16	5078.52



#### 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. 38.08 crores against the authorized capital of Rs. 150 crores. The capital Reserve stands at Rs. 18.57 crores, general reserve stands at Rs. 22.37 crores and the surplus in P/L account stands at Rs. 484.06 crores and totally constituting to the shareholders fund Rs. 550.80 crores. Non-current liability Rs. 329.55 crores and current liabilities Rs. 424.63 crores.

The company owns net fixed assets of Rs. 174.12 Crores, Deferred tax assets

(net) 78.25 crores, other non-current assets 285.71 crores and current assets 1057.35 crores.

The total revenue from operations and other incomes stands at Rs. 1403.01 crores and after meeting all expenditure and taxes, the net profit stands at Rs. 193.39 crores. The earning per share (face value Rs. 1000 per share) works out Rs. 5078.52.

#### 1.4.4 Capital Expenditure till 31<sup>st</sup> March, 2020

(₹ in Crores)

	2018-19	2019-20
Land & Building	2.03	7.18
Plant & Machine	10.77	13.17
Office equipment	0.14	1.28
Furniture	1.90	1.91
Telecom	0.14	0.03
Vehicle	0.44	1.43
Software	2.94	6.95
<b>Total</b>	<b>18.36</b>	<b>31.95</b>

#### 1.4.5 Declaration of Interim dividend

The Board approved Interim Dividend for the Financial Year 2019-20, based on the working results for the period up to December, 2019, Rs. 27.11 Crore i.e. Rs. 712.00 per share (Dividend per share) be paid on 3,80,800 Equity shares of Rs. 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 31.12.2019 for the FY 2019-20. In addition, payment of Corporate Dividend Tax (including Surcharge & Cess) accordingly as per provision of the Income Tax Act, 1961 was paid by the company.

#### 1.4.6 Material changes after 31.03.2020

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 condition of 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 31<sup>st</sup> March, 2020, the Board of Directors of CMPDIL comprises of 10 (Ten) Directors out of which Five are Whole-time Directors including the Chairman-cum-Managing Director, Two part-time official Directors and Three part-time non-official Directors. The Board is headed by an Executive Chairman, Shri Shekhar Saran. Three Independent Directors are on the Board of the company including one Woman Director. The remaining two Independent Directors is 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 31<sup>st</sup> March, 2020 is as follows:



**I. Whole-Time Directors****a. Chairman-cum-Managing Director**

1. Shri Shekhar Saran

**b. Functional Directors**

1. Shri Kaushlendra Kumar Mishra
2. Shri Rabindra Nath Jha
3. Shri Anil Kumar Rana
4. Shri Satendra Kumar Gomasta

**II. Part-Time Official Directors**

1. Shri Binay Dayal
2. Dr. Anindya Sinha

**III. Part-Time Non-Official Directors**

1. Dr. Krishna Chandra Pandey
2. Smt. Alka Panda
3. Shri Pramod Singh Chauhan

**IV. 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 2019-20.

Sl. No.	Number of Meeting	Dates	Day	Place
1.	223 <sup>rd</sup>	21.05.2019	Tuesday	CIL, New Delhi
2.	224 <sup>th</sup>	29.05.2019	Wednesday	CIL, New Delhi
3.	225 <sup>th</sup>	29.06.2019	Saturday	Darjeeling
4.	226 <sup>th</sup>	29.07.2019	Monday	CIL, New Delhi
5.	227 <sup>th</sup>	18.09.2019	Wednesday	CMPDIL, Ranchi
6.	228 <sup>th</sup>	29.10.2019	Tuesday	CMPDIL, Ranchi
7.	229 <sup>th</sup>	09.11.2019	Saturday	CMPDIL, Ranchi
8.	230 <sup>th</sup>	28.12.2019	Saturday	CMPDIL, Ranchi
9.	231 <sup>st</sup>	27.01.2020	Monday	CMPDIL, Ranchi
10.	232 <sup>nd</sup>	17.03.2020	Tuesday	CMPDIL, Ranchi



## D (i) 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
<b>Functional Directors</b>				
1.	Shri Shekhar Saran	10	10	Yes
2.	Shri K.K. Mishra	10	9	Yes
3.	Shri R.N. Jha	10	10	Yes
4.	Shri A.K. Rana	6	4	-
5.	Shri Satendra Kumar Gomasta	1	1	-
6.	Shri B.N. Shukla	2	2	-
7.	Shri A.K. Chakraborty	4	2	-
<b>Part-time official Directors</b>				
8.	Shri Binay Dayal	10	7	Yes
9.	Dr. Anindya Sinha	10	10	-
<b>Part-time Non-official Directors</b>				
10.	Dr. Krishna Chandra Pandey	7	7	-
11.	Smt. Alka Panda	7	6	-
12.	Shri Pramod Singh Chauhan	5	5	-
13.	Shri Rajender Parshad	7	7	Yes
14.	Dr. Debasish Gupta	7	7	Yes

Sl. NSI. No.8 was appointed as Nominee Director from Coal India Limited w.e.f. 09.11.2017.

Sl. No.9 was appointed as Govt.Nominee Director from Ministry of Coal w.e.f. 05.02.2018.

## E (ii) Disclosure of interest as on 31<sup>st</sup> March, 2020.

Sl. No.	Name of the Directors	Company in which interested	Nature of Interest i.e Chairman, Director, Manager & Secretary
<b>Functional Directors</b>			
1.	Shri Shekhar Saran	NIL	-
2.	Shri K. K. Mishra	Mahanadi Coalfields Limited	Director
3.	Shri R. N. Jha	NIL	-
4.	Shri A. K. Rana	NIL	-
5.	Shri S.K. Gomasta	NIL	-
<b>Part-time official Directors</b>			
6.	Shri Binay Dayal	1. Coal India Limited 2. Coal Indian Africana Limited 3. Talcher Fertilizers Limited 4. Bharat Coking Coal Limited 5. Hindustan Urvarak & Rasayan Limited	1. Director 2. Chairman Managing Director 3. Director 4. Director 5. Director
7.	Dr. Anindya Sinha	NIL	-
<b>Part-time Non-official Directors</b>			
8.	Dr. Krishna Chandra Pandey	NIL	-
9.	Smt. Alka Panda	NIL	-
	Shri Pramod Singh Chauhan	1. Ashtvinayak Relators Pvt. Ltd. 2. Prince Shelters Pvt. Limited	1. Director 2. Shareholder

## 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 Shekhar Saran**  
(DIN 06607551)

Shri Shekhar Saran (DIN 06607551) is the Chairman of the Board of Central Mine Planning & Design

Institute Limited, one of the largest Coal and Mineral Exploration and Consultancy Company across the country. He has also been entrusted with the additional

charge of Director (Technical) of Coal India Limited from 31.10.2016 to 09.11.2017 and is a Board member of CIL & BCCL also. Shri Saran is widely recognized for his path breaking and visionary contributions to the industry as Mechanized Mine Developer and transformed the landscape of the Mines by setting new standards in production and productivity.

He joined CMPDIL as Director (Technical) in June, 2013 and looked after Coal Resource Development and then Planning & Design till December, 2015. On 1<sup>st</sup> January, 2016, he took over as Chairman-cum-Managing Director of CMPDIL.

Shri Saran graduated from 1981 batch from the Deptt. Of Mining Engineering, Institute of technology, Banaras Hindu University (BHU), now IIT (BHU). Being the topper of his batch he is the recipient of BHU Gold Medal as well as Robertson Medal from MGMI. Subsequently, during 2013-15, he has added to his credit Post-Graduate Programme in Management for Executives (PGEXP) from IIM, Ranchi.

Prior to joining CMPDIL, he worked at Sohagpur, Hasdeo and Bistrampur areas of SECL as JET to Sub area Manager, at Kunustoria, Satgram and Sodepur areas of ECL as Agent to CGM and lastly as CGM (P&P) at Eastern Coalfields Limited, Headquarter. He is having a rich experience of managing large opencast & underground Mines in different subsidiary companies. While working at SECL, he converted many manual UG mines into mechanized mines with introduction of roof bolting/ steel support. He presented number of technical papers in different seminars/ workshops. He had also been a rescue trained member for more than 26 years and had attended a number of rescue and recovery operations in underground mines.

He has visited a number of foreign countries like U.K, Germany, France, Netherlands, USA, Canada & Switzerland etc. He is an NCC Certificate holder & a good sportsman. He is widely credited with conceptualizing a unique and innovative techniques in Coal Mining Production. He has been a firm believer in corporate life and its superiority in the development of human resources. He is interested in Coal India Limited to the extent that he attends the Meeting of the Board of Director of Coal India Limited as a Permanent Invitee.

He is Chairman-cum-Managing Director, CMPDIL w.e.f. 01.01.2016 and also entrusted with the additional charge of Chairman-cum-Managing Director, BCCL from 18.04.2019 to 02.08.2019.



**Shri Binay Dayal (DIN 07367625)** is Director (Technical), Coal India Limited. Shri Dayal graduated in Mining Engineering in 1983 from Indian School of

Mines (ISM), Dhanbad. He also obtained 1<sup>st</sup> Class Mine Manager's Certificate of Competency from DGMS, Dhanbad.

He joined as Junior Executive (Trainee) in Coal India and was posted at Central Saunda Colliery, Barkakana Area of Central Coalfields Limited in the year 1983. He worked in various capacities such as Head of Technical Services and Public Relations in CMPDIL (HQ), Regional Director, CMPDIL, Regional Institute – V, Bilaspur, General Manager (Projects & Planning Services) in South Eastern Coalfields Limited. He took over the charge of Director Technical (Engineering Services), CMPDIL on 1.12.2015. He was Director (Technical), (Planning & Design), CMPDIL w.e.f. 1.12.2015 to 11.10.2017

Shri Dayal has vast experience in Corporate Planning and Public Relations activities. He has to his credit the Planning, Approval and Implementation of Mega Projects of South Eastern Coalfields Limited and enhancement of productivity of hi-tech drills deployed for detailed exploration in Korba and Mand Raigarh coalfields. As General Manager (Project & Planning Services), South Eastern Coalfields Limited, he prepared the road map for coal production in respect of South Eastern Coalfields Limited as a part of 1 Billion tonne coal production exercise carried out by Coal India Limited.

He was nominated as Nodal Officer on behalf of South Eastern Coalfields Limited for Rail Corridors for evacuation of coal from Mand Raigarh, Korba Coalfields and represented South Eastern Coalfields Limited in the Board of Joint Venture Cos. viz. Chhattisgarh East Railway Limited and Chhattisgarh East-West Railway Limited (comprising of SECL, IRCON and Chhattisgarh State Government).

Shri Dayal attended as the member of Indian Contingent in the 5<sup>th</sup> Meeting of 'India-Australia Joint Working Group on Energy and Minerals' organized in Australia during the year 2007. Visited Chinese Coal Industry as participant of Advanced Management Training Programme in September 2010. He was Administrative Head on behalf of CMPDIL for EU Research Project on Green House Gas Recovery from mines of abandoned coal seam to conversion to energy (GHG2E) in 2011 & 2012. He participated in 22<sup>nd</sup> World Mining Congress & Expo 2011 organised in Istanbul, Turkey in 2011 and contributed technical paper. He has presented numerous technical papers related to coal industry. He is Life Member of MGMI & Computer Society of India (CSI).

He has been appointed as Official part-time Director in CMPDIL w.e.f. 09.11.2017.



**Dr. Anindya Sinha,**  
(DIN 08069992) a Graduate Mining Engineer and holder of First Class Mine Manager's Certificate of Competency to manage

coal mines and doctorate from Poland, has put in more than 33 (thirty three) years of overall experience in the Coal sector of India and abroad. His experience includes around 10 years of operation and management of both UG (Underground) & OC (Opencast) coal mines of BCCL & MCL in CIL, 3 years of academic research and development, 20 years in mine planning & design at CMPDIL and about 4 months in Development Policy Planning for Energy fuels Coal & Lignite in Ministry of Coal, Govt. of India.

Dr. Sinha is presently deputed as Project Adviser (a Joint Secretary level post) in the Ministry of Coal, Govt. of India. His experience encompasses development of coal mining projects; techno-economic appraisals of coal mining projects for investment decisions; capital budgeting; exploration for coal and lignite, CBM, CMM etc.; appraisal of environmental impact assessment; issues related to climate change; development of perspective plans for coal & lignite; development of clean coal technologies including coal washing, coal gasification, UCG, CTL; development of infrastructure for coal evacuation etc.

Dr. Sinha graduated in Mining Engineering in 1984 and completed his master's in 1986 both from Indian School of Mines (ISM), now IIT (ISM), Dhanbad. Being the topper of the batch, apart from being the recipient of a number of prizes/scholarships at ISM, he was awarded with Pickering Medal of MGMI and Gold Medal of ISM. Later, during 1993-96,

Sri Sinha pursued his doctoral studies under Polish Government Fellowship (selected through UPSC, Ministry of Education, Govt. of India) in University of Science and Technology (AGH), Cracow, Poland. His research was in mine ventilation and air conditioning of underground coalmines, during which he visited and conducted studies in some of the best longwall mines of Poland. During that period, apart from publishing a number of research papers, he was a co-developer of a mine-ventilation software package under the aegis of Polish Academy of Science (PAN), Poland. Subsequently, in 2008, he has attended Project Planning, Development & Management (PPDM) Course at Asian Institute of Management (AIM), Manila, Philippines.

Dr. Sinha is a Recognised Qualified Person (RQP) of Ministry of Coal for preparation of Mining Plan/Mine Closure Plan and a QCI-NABET accredited EIA Coordinator for preparation of EIA/EMPs. For his contribution to the mining sector, the Institution of Engineers (India) conferred Dr. Sinha with "Eminent Engineer Award" in the field of Mining in 2017.

Dr. Sinha represented Coal India Limited & Ministry of Coal on various Committees/ working groups related to coal development and visited a number of countries including Poland, Spain etc. in relation to professional work. He has contributed a number of technical papers on policy and issues in coal sector in various National & International Forums. He is a life member of professional bodies like Institution of Engineers (India), Mining, Geological and Metallurgical Institute of India (MGMI) etc.

Dr. Anindya Sinha is an Official part-time Director in CMPDIL w.e.f. 05.02.2018.



**Shri Kaushlendra Kumar Mishra (DIN 08256429)**

graduated with B. Tech in Mining Engineering from ISM (now IIT), Dhanbad in 1985 and was the

2<sup>nd</sup> topper in the final year of his batch. He obtained 1<sup>st</sup> class Mine Manager's Certificate of Competency, under the Indian Mines Act in 1989 from DGMS, Dhanbad. He did MBA in 2012 from Punjab Technical University. He is trained in Mines Rescue and Recovery Operation. He is a member of MGMI and fellow of Institution of Engineers.

He joined CIL in 1985 at Sohagpur Area of SECL at Amlai colliery and worked in various capacities from Junior Executive Trainee (JET), under manager & safety officer at Amlai colliery till 1993. He worked as Mine Manager of Burhar No. 1 UG Mine, Amlai OCP as well as New Amlai UG Mine till March 2000. After his transfer to Johilla Area, he worked as Manager of Mechanised Pinoura UG Mine till Nov' 2002. As Mine Manager of New Amlai UG Mine from 1995 to 2000, production increased from 0.90 lakh te/annum to 2.50 lakh te/annum. As Manager of Pinoura UG Mine from 2000 to 2002, production increased from 2.60 lakh te/annum to 3.10 lakh te/annum.

After his transfer to MCL in November, 2002, he worked as Project Officer of Belpahar OCP, Basundhara OCP, Hingula OCP as well as additional GM of Bharatpur Area till June, 2010. Due to his able managerial and leadership skills, there was consistent growth in production and dispatch in all projects in general and the same was increased to more than two folds at Belpahar and Basundhara OCP in particular.

After his transfer to CCL in June, 2010, he worked as Project Officer of Ashoka OCP

till July, 2012 and achievement of 8.00 M.te. of coal during 2010-11 was ever highest in the history of Ashoka OCP.

He worked as GM of Kathara Area (CCL) from July, 2012 to September, 2014 and during his tenure, area was turned around and production increased from 1.92 MTY to 3.00 MTY which was the highest ever production in the history of Kathara Area. He worked as GM of North Karanpura Area from October, 2014 to April, 2018 and during his tenure, area was turned around and production increased from 3.89 MTY to 7.03 MTY during 2017-18 which was the highest ever production in the history of N.K. Area. Mass Production Technology (Continuous Miner) on hiring basis was introduced in Churi UG Mine. He worked as GM of Piparwar Area from 27.04.2018 to 10.10.2018.

He has rich knowledge and experience in the fields of Production, Marketing & Sales, Washery, Planning, Management & Operation of Mines including field activities, Technical Functions, Safety, Manpower Management, Finance, Environment, Quality Management, Land acquisition, Rehabilitation & Settlement etc. He successfully shifted villages and houses at Belpahar OCP, Basundhara OCP, Hingula OCP, Ashoka OCP (Thena & Bijain village) and at N.K. Area (Jehlitand, Kutki, Henjda and Dembua villages).

He received National Safety Award for Swang & Govindpur UG Mines of Kathara Area in 2013 from Hon'ble President of India. He was felicitated with the award of Best Area GM by Secretary (Coal) on 1<sup>st</sup> Nov' 2017 (CIL Foundation Day). He has actively conducted and participated in different Social Activities, Cultural & Sports Activities, Village Welfare programmes etc.

He attended 03 weeks training programme on "Clean Coal Technology Transfer Project" in Tokyo (Japan) in 2006 and also



attended Mine Expo-2012 at Las Vegas (USA) and visited manufacturing facilities of Caterpillar at Peoria (Chicago) and Open Cast Coal Mine (Black Thunder) at Zillette in Wyoming State of USA in September, 2012. Attended Advance Management Programme conducted by IIM, Kolkata consisting of Domestic Module as well as Overseas Module in May, 2014 and accordingly attended training at "Stockholm School of Economics" in Sweden and "Frankfurt School of Finance & Management" in Germany. He visited Far East Region (FER), Vladivostok, Russia in Aug'19 as a member of Indian delegation to explore the investment potential for Indian investors and potential for increase in co-operation of Coal, Mining and Power Sector.

Presently, he is working as Director (Technical) in CMPDIL w.e.f. 11.10.18. He visited Brisbane (Australia) in November, 2018 and signed MOU on behalf of CMPDIL with CSIRO for a period of 10 years for technical co-operation in mining, geology & allied fields. He was also entrusted with additional charge of Director (Technical), BCCL from 21.02.2019 to 07.05.2019 and additional charge of Director (Technical), MCL from 24.06.19 to 29.04.2020.

He has been appointed as Director (Technical) (Engineering Services) in CMPDIL w.e.f. 11.10.2018.



**Shri Rabindra Nath Jha (DIN 05195902)**

graduated in Mining Engineering in 1985 from Indian School of Mines, Dhanbad. He obtained 1<sup>st</sup> 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 3<sup>rd</sup> Pay Revision in March, 2018.
- MECL got 1<sup>st</sup> 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 Anil Kumar Rana (DIN 08531295)**

graduated in 1985 from I.T. BHU and is the holder of 1<sup>st</sup> Class Certificate of Competency under

Indian Mines Act. He also possesses a degree in Law and Diploma in Business Finance.

He joined CMPDIL in 1985. In his initial years of career he worked in Durgapur Rayatwari mine of WCL and Sudamdih incline mine of BCCL. He has been involved in:

- Preparation of Mining Plans and Project Reports for subsidiaries of CIL as well as for other organizations.
- Consultancy for underground metal mines.
- Preparation of bid process document for OC and UG mines through MDO.
- Formulation of policy related reports like "Coal Vision 2025", "Action Plan for Enhancing Coal Production from Underground Mines of CIL" and "Report on Status of Coal blocks".

He has made significant contribution in assistance to MoC/Nominated Authority for coal block auction. He has also been project coordinator for three CIL R&D projects.

He visited underground and opencast coal mines of USA, People's Republic of China, Republic of South Africa. He has also visited Switzerland, Poland

and Australia in the teams on various technology missions.

He was General Manager (CBM) before assuming the office of Director (Technical) where he initialized the process of operationalization of CBM blocks of CIL.

He has been awarded as the best General Manager of CMPDIL by CIL on the occasion of Coal India Foundation Day Awards, 2018.

He was appointed as Director (Technical) (Planning & Design) on the Board of CMPDIL w.e.f. 01.08.2019.



**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.



**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.



**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.



**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.



**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 deputation under Central Staffing Scheme of Govt. of India as Deputy Secretary at Ministry of Coal and is responsible for allocation matters of coal / lignite blocks under Mine & Mineral (Development and Regulation) Act, 1957.

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 2019-20.

## 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;
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 a Non-official part-time Director (Independent Director):

S.N.	Name of Director	Status	
1	Smt. Alka Panda	Chairperson (w.e.f. 17.11.2019)	Independent Director
2	Shri Binay Dayal	Member (w.e.f. 09.11.2017)	Official part-time Director
3	Dr. Anindya Sinha	Member (w.e.f. 09.03.2018)	Official part-time Director
4	Dr. Krishna Chandra Pandey	Member (w.e.f. 10.07.2019)	Independent Director
5	Shri Pramod Singh Chauhan	Member (w.e.f. 17.11.2019)	Independent Director
6	Shri K.K. Mishra	Member (w.e.f. 29.05.2019 )	Functional Director

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.

### G. Meeting and Attendance:

8 (Eight) meetings were held during the financial year 2019-20 on 21.05.2019, 29.05.2019, 28.06.2019, 29.07.2019, 18.09.2019, 29.10.2019, 27.01.2020 and 17.03.2020 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
<b>Functional Directors</b>			
1.	<b>Shri B.N. Shukla</b>	2	2
2.	Shri K.K. Mishra	6	6
<b>Part-time official Directors</b>			
3.	Shri Binay Dayal	8	7
4.	Dr. Anindya Sinha	8	7
<b>Part-time Non-official Directors</b>			
5.	Shri Rajender Parshad	6	6
6.	Dr. Debasish Gupta	6	6
7.	Smt. Alka Panda	4	3
8.	Dr. Krishna Chandra Pandey	4	4
9.	Shri Pramod Singh Chauhan	2	2



### 1.12 Nomination and Remuneration Committee

The Board constituted the Nomination & Remuneration Committee of CMPDIL in its 191<sup>st</sup> 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 229th Board meeting held on 09.11.2019 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 (w.e.f. 17.11.2019)	Independent Director
2	Dr. Krishna Chandra Pandey	Member (w.e.f. 17.11.2019)	Independent Director
3	Shri Pramod Singh Chauhan	Member (w.e.f. 17.11.2019)	Independent Director
4	Dr. Anindya Sinha	Member (w.e.f. 12.05.2018)	Official part-time Director
5	Shri K.K. Mishra	Permanent Invitee (w.e.f. 17.11.2019)	Functional Director

Company Secretary will act as Secretary to this Committee and General Manager (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 2019-20.

### 1.13 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, 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 172<sup>nd</sup> meeting held on 10.05.2013.

**Composition:**

The CSR Committee consists of following members and is headed by a non-official part-time Director (Independent Director):

S.N.	Name of Director	Status	
1	Shri Pramod Singh Chauhan	Chairman (w.e.f. 17.11.2019)	Independent Director
2	Dr. Krishna Chandra Pandey	Member (w.e.f. 17.11.2019)	Independent Director
3	Smt. Alka Panda	Member (w.e.f. 17.11.2019)	Functional Director
4	Shri K.K. Mishra	Member (w.e.f. 21.05.2019)	Functional Director
5	Shri R.N. Jha	Member (w.e.f. 17.11.2019)	Functional Director

General Manager (HRD) is the Nodal Officer of the Committee providing all services to the CSR Committee.

**Meeting and Attendance:**

5 (Five) meetings were held during the financial year 2019-20 on 29.05.2019, 29.07.2019, 17.09.2019, 27.01.2020 and 17.03.2020. The details of the CSR Committee meetings attended by members are as under:

S.N.	Name of Director	Status	Number of meetings attended
1	Shri Pramod Singh Chauhan	Chairman (w.e.f. 17.11.2019)	2
2	Dr. Krishna Chandra Pandey	Member (w.e.f. 17.11.2019 )	3
3	Smt. Alka Panda	Member (w.e.f. 17.11.2019 )	3
4	Shri K.K. Mishra	Member (w.e.f. 21.05.2019)	5
5	Shri R.N. Jha	Member (w.e.f. 17.11.2019 )	3
6	Dr. Debasish Gupta	Chairman (w.e.f.11.12.2018 upto 16.11.2019)	3
7	Shri Rajender Parshad	Member (w.e.f. 11.12.2018 upto 16.11.2019)	3
8	Shri A.K. Chakraborty	Member (w.e.f. 21.05.2019 upto 31.07.2019)	1

**1.14 Remuneration of Directors from April, 2019 to March, 2020**

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.

### (A) Functional Directors

The details of the remuneration of the Functional Directors of the Company are as under:

(Figure in Rs)

Name	Designation	Gross Salary and Allowances	Perks ()	HRA	CMPF Employer's Contribution (PF+PENSION & CIL EDCPS)	Leave Encashment	PRP Advance / PRP	Medical expenses	TOTAL
Shri Shekhar Saran	Chairman-cum-Managing Director	30,18,840.00	12,37,806.00		10,49,941.00	5,29,954.96	4,49,748.00	89,595.00	63,75,884.96
Shri K.K. Mishra	Director (Tech)	28,74,424.00	11,67,852.33		10,00,782.00	4,43,014.20	5,16,201.18	64,410.00	60,66,683.71
Shri R.N. Jha	Director (Tech)	28,27,686.70	10,26,601.20	16,436.00	7,57,355.00	4,03,746.60		20,896.00	50,52,721.50
Shri A. K. Rana	Director (Tech)	28,03,543.00	8,72,115.00	3,97,276.00	9,80,965.00		6,24,211.00	2,99,063.00	59,77,173.00
Shri S.K. Gomasta	Director (Tech)								
Shri B. N. Shukla	Director (Tech)	8,81,330.00	3,46,628.00		1,25,931.00			8,647.00	13,62,536.00
Shri A.K. Chakraborty	Director (Tech)	11,07,085.00	4,77,028.00		4,91,615.00		7,70,374.00	2,47,515.00	30,93,617.00

### (B) Part-Time Official Directors

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

1. Dr. Anindya Sinha, Project Adviser 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. Shri Binay Dayal, Director (Technical) is the Nominee Director from Coal India Limited, Kolkata and his remuneration is being paid by the Coal India Limited.

### (C) Part-Time (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. 2019-20 are given as under:

Sl. No.	Name	Sitting Fees paid for attending		Total (₹)
		Board Meetings (₹)	Committee Meetings (₹)	
1.	Shri Rajender Parshad	1,40,000	2,20,000	3,60,000
2.	Dr. Debasish Gupta	1,40,000	2,20,000	3,60,000
3.	Dr. Krishna Chandra Pandey	1,40,000	1,80,000	3,20,000
4.	Smt. Alka Panda	1,20,000	1,60,000	2,80,000
5.	Shri Pramod Singh Chauhan	1,00,000	80,000	1,80,000
	<b>Grand Total</b>	6,40,000	8,60,000	15,00,000



### 1.15 (i) Annual General Meetings:-

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

Details	2017-18 43 <sup>rd</sup> AGM	2018-19 44 <sup>th</sup> AGM	2019-20 45 <sup>th</sup> AGM
Date	13.07.2018	28.06.2019	27.07.2020
Time	10:30 A.M.	4:00 P.M.	10:30 A.M.
Venue	At the Registered office of the company, Gondwana Place, Kanke Road, Ranchi, Jharkhand-834031	Hotel Mayfair, Darjeeling	At the Registered office of the company, Gondwana Place, Kanke Road, Ranchi, Jharkhand-834031
Special Resolution	Nil	Nil	Nil

### (ii) Extra Ordinary General Meeting

Details	2017-18, 10 <sup>th</sup> AGM	2018-19	2019-20
Date	17.03.2018	NIL	NIL
Time	9:30 A.M.		
Venue	At the Registered office of the company, Gondwana Place, Kanke Road, Ranchi, Jharkhand-834031		
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 during the financial year 2019-20 on 17.09.2019.

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. Debasish Gupta	1
2	Shri Rajender Parshad	1
3	Dr. Krishna Chandra Pandey	1
4	Smt. Alka Panda	1
5	Shri Pramod Singh Chauhan	-



### 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 31<sup>st</sup> March, 2020 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 2019-20 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 and the General Manager (Finance)/CFO of the Company have furnished the “CEO/CFO Certification” for the Financial Year 2019-20 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 31<sup>st</sup> March, 2020.

- **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 2019-20.

#### 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](http://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 31<sup>st</sup> March, 2020 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 163<sup>rd</sup> 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 4<sup>th</sup> 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 System

Risk Management Committee was constituted by CMPDIL Board of Directors in its 192<sup>nd</sup> Board Meeting held on 02.02.2016 and reconstituted by the Board in its 229<sup>th</sup> Board Meeting held on 09.11.2019.

#### A. Composition:

The Risk Management committee consists of following members and is headed by a Non-official part-time Director:

S.N.	Name of Director	Status	
1	Dr. Krishna Chandra Pandey	Chairman	Independent Director
2	Smt. Alka Panda	Member	Independent Director
3	Shri Pramod Singh Chauhan	Member	Independent Director
4	Shri K.K. Mishra	Member	Functional Director
5	Shri R.N. Jha	Member	Functional Director

#### B. Meeting and Attendance:

1 (One) meeting was held during the financial year 2019-20 on 17.09.2019. 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.	Dr. Debasish Gupta	Chairman (w.e.f. 28.06.2016 upto 16.11.2019)	1
2.	Shri Rajender Parshad	Member (w.e.f. 28.06.2016 upto 16.11.2019)	1
3.	Dr. Krishna Chandra Pandey	Chairman (w.e.f. 17.11.2019) Member (w.e.f. 10.07.2019 upto 16.11.2019)	1
4.	Smt. Alka Panda	Member (w.e.f. 10.07.2019)	1
5.	Shri Pramod Singh Chauhan	Member (w.e.f. 17.11.2019)	-
6.	Shri B.N. Shukla	Member (w.e.f. 18.09.2017 upto 14.06.2019)	-
7.	Shri K.K. Mishra	Member (w.e.f. 10.07.2019)	1
8.	Shri R.N. Jha	Member (w.e.f. 10.07.2019)	1

**C. The Risk Management Committee formed Risk Sub-committee and the composition of the Sub- Committee as on 31<sup>st</sup> March, 2020 is as under:-**

S.N.	Name of Director	Status
1.	Sri Dibyadarshan Tripathy	CRO
2.	Sri Rajneesh Kumar	Member
3.	Sri U.Chatterjee	Member
4.	Sri Rajib Dutta	Member
5.	Smt. Mamta Toppo	Member

RSC meeting was held at CMPDIL (HQ), Ranchi. The committee discussed the Risk Management Policy. It was deliberated to put up revised Risk Management Policy post incorporating the monitoring mechanism before the RMC.

In line with RSC, revised Risk Management Policy post incorporating monitoring mechanism has been formulated.

### **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 are:

Shri Shekhar Saran	: CEO
Shri K.K. Mishra	: Director

Shri R.N. Jha	: Director
Shri A.K. Rana	: Director
Shri S.K. Gomasta	: Director
Shri Binod Kumar Pandey	: CFO
Shri Abhishek Mundhra	: Company Secretary

### 1.27 CSR initiative at CMPDI

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 2019-



20 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. 38.08 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 2019-20 also, mainly in CIL and Non-CIL/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.

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) & 12.94 lakh m in 2019-20 through departmental resources and outsourcing.

For capacity expansion of departmental drilling, 7 new hydrostatic drills have been received and deployed as additional drills since January'18, enhancing the capacity of drills to 71. Out of 71 drills 26 drills are hydrostatic and 45 are mechanical.

1.0.3 Under outsourcing, the work of **101 blocks** involving **40.00 lakh metre** of drilling was awarded through tendering since 2008-09, out of which drilling has been concluded in **61 blocks**.

In 2019-20 a total of about **8.05 lakh m.** is drilled through outsourcing, out of which **3.08 lakh m.** is through tendering, **4.94 lakh m.** through MoU with MECL and **0.03 lakh m.** through State Govts.

**1.1 Drilling Performance in 2019-20:**

1.1.1 CMPDIL deployed its departmental

resources for detailed exploration of CIL/ Non-CIL blocks whereas State Govt. of Odisha deployed resources in CIL blocks only. Besides, eleven other contractual agencies have also deployed resources for detailed drilling/exploration in CIL/ Non-CIL blocks. A total of 160 to 180 drills were deployed in 2019-20 out of which 71 were departmental drills.

CMPDIL continued the technical supervision of Promotional/NMET Exploration work undertaken by MECL in Coal Sector (CIL Areas) in **7 blocks**. Apart from it, DGM (Nagaland) has also undertaken Promotional Exploration in **1 block & CMPDIL in 3 blocks** in Coal Sector on behalf of MoC. Promotional/ NMET Exploration work undertaken by MECL in Lignite Sector in 5 blocks. A total of **1.16 lakh m.** of Promotional (Regional) drilling was carried out in **Coal (0.82 lakh m.) & Lignite (0.34 lakh m.)** during 2019-20 through CMPDIL.

1.1.2 In 2019-20, CMPDIL and its contractual agencies took up exploratory drilling in **132 blocks/mines** of **22 coalfields** situated in **9 States**. Out of 132 blocks/mines, **62 were Non-CIL/Consultancy** blocks and **70 CIL** blocks/mines. These coalfields are Raniganj (11 blocks), Rajmahal (2 blocks), Jharia (3 block), Auranga (1 block), E. Bokaro (1 block), North Karanpura (8 blocks), Ramgarh (1 block), South Karanpura (4 blocks), Wardha Valley ( 9 blocks), Pench-Kanhan ( 3 blocks), Kamptee (2 blocks) , Bander (1 block), (Sohagpur (13 blocks), Mand Raigarh ( 29 blocks), Korba ( 3 blocks), Sonhat ( 3 blocks), Tatapani-Ramkola- (6 blocks), Singrauli ( 9 blocks), Talcher (12 blocks), Ib Valley (8 blocks) & Godavary Valley (2 blocks), Makum (1 block). Departmental drills of CMPDIL took up exploratory drilling in **69 blocks/mines** whereas contractual agencies drilled in **63 blocks/mines**.

1.1.3 Under Promotional/NMET (Regional) Exploration Programme, MECL has undertaken Regional drilling in **7 coal blocks** (Mand Raigarh = 2, Singrauli = 1, Ib Valley = 1, Hasdeo Arand = 1, Sohagpur = 1 & Godavary Valley = 1). DGM (Nagaland)

has also undertaken 1 block for regional drilling in Coal Sector. CMPDIL has undertaken Promotional Exploration in 3 blocks, 1 in Singrimari CF, 1 in Singrauli CF and 1 in Ib Valley CF.

The overall performance of exploratory drilling in 2019-20 is given below:

(Figures in Lakh meter)

Agency	Target 2019-20	Performance of Exploratory Drilling in 2019-20			Achieved Prev. Year: 2018-19	Growth %
		Achieved	Achieved (%)	+/-		
A. Detailed Drilling Undertaken by CMPDIL :						
I. Departmental	5.05	4.885	97%	- 0.18	4.99	- 2%
II. OUTSOURCING						
State Govts.	0.01	0.027	272%	0.02	0.02	36%
MECL (MOU)	4.00	4.936	123%	0.94	4.61	7%
Tendering	4.94	3.088	63%	- 1.89	3.97	- 23%
Total Outsourcing	8.95	8.052	90%	- 0.93	8.60	- 6%
Grand Total A*	14.00	12.937	92%	- 1.06	13.60	- 5%
B. Promotional/NMET Drilling by MECL, GSI, CMPDIL, DGM(Nagaland) & DGM(Assam):						
I. COAL SECTOR						
MECL	1.00	0.67	67%	-0.33	0.814	- 18%
DGM, Nagaland	0.02	0.01	70%	-0.01	0.0108	-3%
DGM, Assam	0.04		0%	-0.04	0.00	
CMPDI	0.13	0.14	114%	0.01	0.135	6%
Total Coal:	1.18	0.82	70%	- 0.36	0.959	-14%
II. LIGNITE SECTOR						
MECL	0.35	0.34	96%	-0.02	0.43	-22%
Total Lignite	0.35	0.34	96%	-0.02	0.43	-22%
Grand Total B	1.53	1.16	70%	-0.37	1.39	-17%

\* In 2019-20, out of total detailed drilling of about 12.94 lakh m., 6.72 lakh m. drilled in Non-CIL blocks.

In 2019-20, CMPDIL achieved its departmental and overall drilling targets by 97% and 92% respectively. The performance of departmental drilling is less to previous year with a negative growth of 2% and recording average operational drills productivity of 602 m/drill/month. COVID-19 lockdown (Nil progress from 22<sup>nd</sup> March to 31<sup>st</sup> March' 2020), non-availability of permission to explore in forest areas & local problems (law & order) has affected the performance of departmental & outsourced drilling.

### 1.1.4 Drilling in Non-CIL/Captive Mining Blocks:

In 2019-20, a total of **8.16 lakh m.** of drilling was targeted in Non-CIL blocks (departmental = 2.02 lakh m., outsourcing = 6.14 lakh m). As against this, a total of **6.72 lakh m.** has been achieved, out of which the departmental drills of CMPDIL have carried out **2.08 lakh m.** of exploratory drilling whereas **4.64 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.

## 1.2 Hydrogeology

1.2.1 Hydro geological studies of a number of mining projects/mines were taken up for preparation of 'Groundwater Clearance Application' for CGWA approval and EIA/EMP preparation. Hydrogeological studies for 21 mining projects of ECL (3 Projects) BCCL (1 Project), CCL (5 Projects), WCL (7 Projects), SECL (4 Projects), and MCL (1 Project) and were completed during 2019-20. Hydro geological studies for 5 mining projects of BCCL, CCL and MCL are in progress.

1.2.2 Preparation of Piezometers Location and Design for Gorbi Mine voids, NCL at Singrauli for Fly Ash Study for NTPC is in progress

1.2.3 Total 94 nos. of Hydrogeological studies on GR/PR/Piezometers/Damage Assessment Report (DAR) and others have been completed during this period, including ECL (4 Projects), BCCL (2 Projects), CCL (5 Projects), WCL (33 Projects), SECL (44 Projects), NCL (4 Projects) and MCL (2 Projects).

1.2.4 Total 25 nos. of Hydrogeological studies on GR/PR/Piezometers and others are in progress during this period, including BCCL (1 Project), CCL (3 Projects), WCL (18 Projects), SECL (1 Project), and MCL (3 Projects).

1.2.5 Hydrogeological studies in 5 projects of WCL and SECL have been carried out for water supply arrangement to mines, project colony and nearby villages. (1 project completed and 4 projects are in progress).

1.2.6 CMPDIL is carrying out groundwater monitoring of MOEF cleared projects 74 nos. of mines of WCL area and 15 nos. Cluster of mines in BCCL area (Groundwater Monitoring Report submitted). Water level monitoring in other areas of ECL, CCL, SECL, NCL and MCL were also carried out.

## 1.3 Geological Reports:

1.3.1 In 2019-20, **25** Geological Reports are prepared on the basis of detailed exploration conducted in previous years. The prepared Geological Reports, have upgraded about **7.8 Billion Tonnes** of additional coal resources to 'Proved' category.

1.3.2 Under Promotional Exploration Programme, GSI and MECL have submitted 6 Geological Reports on coal blocks, established about **9.7 Billion Tonnes** of coal resources, in 'Indicated' & Inferred categories, above specified thickness.



## 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 2019-20, a total of **6,45,922.61** 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, **2,16,845.38** depth meters of logging was done by 8 departmental geophysical logging units and **4,29,077.23** 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 **279.86 line km** of Resistivity profiling, **158** Vertical Electrical Sounding (VES), **267 gravity stations** in Gravity survey and **151.86 line km** of Magnetic survey have been carried out in 2019-20 for such purpose. With the 48-Channel signal enhancement Seismographs and Vibroseis, a total of **28.262 line km** of 2D Seismic Survey has been carried out in Nigwani Barkeli "A" block, Sohagpur Coalfield, Northern part of North of Arkhapal block, Talcher Coalfield and North of Piparwar Phase II, North Karanpura Coalfield.

### 1.4.3 Reports:

A total of **16** Geophysical reports have been submitted during the year 2019-20. It includes four reports on geophysical logging, seven on resistivity survey, four on Integrated Geophysical survey and one geophysical chapter for DGR.

## 1.5 Geosystem:

MA Report on Exploration Status of Coal Bearing Area as on 01.04.2019 prepared & submitted using ArcGIS software. The report covers the summary account of exploration status & blockings in the GSI reported potential coal bearing area of 19400 sq.km. as on 01.04.2019.

Submitted the list of State-wise, District-wise & Coalfield-wise 927 coal blocks with information like area, grade, resource, forest cover etc. for the use of MoC.

The unique identification code for all the identified 927 coal blocks in India have been assigned based on the category of the block, the state and coalfield to which it belongs to.

Support to MoC to address different issues related to block boundaries, forest cover etc., Support in preparation of data for the web portal, OCBIS, creation in association with ICT.

Vetting of GRs and 28 Minex Models (Includes Minex Models for GRs & GR for PRs) and assistance rendered in preparation of Minex Models by outsourced agencies.

Modification/Updation exercise of GIS database in respect of block boundaries of different coalfields being carried out on regular basis to address requirement related to different categories of blocks. GSI data Compilation/Validation/Correction jobs in GIS Platform for updation of coalfield maps to incorporate geological features and other information's as and when required.

Coal Bearing/ Non-Coal bearing area certification related jobs are being carried out as outside consultancy works.

Updation & maintenance of HW/SW records of Exploration Department, support to other departments e.g. Clean



Energy, Geomatics, Mining and other units of Exploration Division with preparation of various reports and data to resolve various issues with the help of ArcGIS software. Maintenance, cataloging of various data received from different RIs in respect of GIS map data, GRs and Minex models.

In addition to the above, Geosystem unit delivers their support to RIs and HQ for using the in-house developed software, ArcGIS and Minex as and when required.

### 1.6 MoU 2019-20:

1. As per MoU 2019-20 of CMPDIL, under the head 'Drilling (in Lakh Meters), Sl. No. 1, Part-B', the target for attaining 'Excellent' rating was 14.00 lakh metres of drilling. Against this target, 12.94 lakh metres of drilling was carried out during 2019-20.
2. As per MoU 2019-20 of CMPDIL, under the head 'Preparation & Submission of Geological Reports (Nos.), Sl. No. 3a, Part-B', the target for attaining 'Excellent' rating was preparation & submission of 25 nos. Geological Reports. Against this target, 25 nos. Geological Reports were prepared and submitted during 2019-20.
3. As per MoU 2019-20 of CMPDIL, under the head 'Timely submission of 25 nos. Geological Reports (Date), Sl. No. 3b, Part-B', the target for attaining 'Excellent' rating was submission of 25 nos. Geological Reports by 29.02.20. Against this target, 25 nos. Geological Reports were submitted by 29.02.20.

## 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 viz. Raniganj North CBM Block in Raniganj coalfield and Jharia CBM Block in Jharia coalfield to the consortium of ONGC-CIL on nomination basis for commercial development of CBM. CMPDIL is implementing the projects on behalf of CIL. ONGC is the Operator for both CBM blocks and carrying out jobs as per contractual agreement with the Govt. of India. On completion of CIL part of work programme by CMPDIL and supplemented by appraisal activity by ONGC has resulted in formulation of Field Development Plan (FDP) by the Operator i.e.; ONGC.

The FDPs for both the CBM blocks were approved by the Government of India in July, 2013. 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.

Petroleum Mining Lease for Coalbed Methane Gas 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 no. 81-CI/O/MIN/MJM-CBM/001/2014 dated 10<sup>th</sup> February, 2020. ONGC is presently reworking to update and modify the techno-economic viability of Raniganj North CBM Block considering two options (1) Excluding the entire BAPL overlap area (considering 67 wells) and (2) Considering 8 deviated and 2 vertical wells in the overlap area apart from the 67 vertical wells. Revised Feasibility Report submitted by ONGC for consideration at their competent approval.

On Directorate General of Mine Safety (DGMS) communication vide letter dated 22<sup>nd</sup> Feb, 2018 that Directorate does not have any objections regarding resumptions





of CBM activities at the overlapping area between Parbatpur coal block of SAIL and Jharia coal block of ONGC provided no underground working shall be made at the west side of Fault F5-F5 after starting the CBM drilling operations. Accordingly, ONGC has initiated activities excluding overlap areas.

CBM is likely to extract through proposed 51 CBM wells in the block of 61.5 Sq. Km after discounting SAIL and CIL Coal Blocks Overlap. ONGC finalized well placement in consultation with CMPDIL considering mining plans to prevent any hindrance in future mining.

In the Joint Review Meeting held at MoC on 25<sup>th</sup> June, 2019 it has been directed that CIL and ONGC will work out the commercial viability for sequential extraction of CBM followed by Coal if overlap coal blocks will be allotted to JV.

In the 35<sup>th</sup> meeting of Operating Committee (OC) of Jharia CBM Block held on 10<sup>th</sup> Dec'2019 where OC approved Implementing Stage- I of Revised Data Package of Jharia CBM Block (36 development locations in Stage-1 covering Parbatpur, Aluara and Mahal Sectors); recommended by the Operating Committee it has been approved by CIL Board on 10<sup>th</sup> Jan'2020. In the 37<sup>th</sup> meeting of Operating Committee (OC) of Jharia CBM Block held on 6<sup>th</sup> Jan, 2020 at ONGC CBM, OC decided to make application for extension of development phase accordingly request has been submitted to DGH.

## **2.2 CBM and Shale gas related studies under Promotional Exploration during 2019-2020**

### **2.3 CBM related studies:**

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 2019-20 target has been achieved by completing the studies in eight boreholes. This study creates the data base for assessment of CBM potentiality and facilitate delineation of more blocks for CBM development.

A report based on CBM related studies on "Rajura Manikgarh & Bahmini Palasgaon" Coal Blocks, Wardha Valley Coalfield (Maharashtra) has been prepared.

### **2.4 Shale Gas related studies:**

CMPDIL is carrying out studies related to "Assessment of Shale Gas-in-Place Resource of Indian Coalfields/Lignite fields" through boreholes drilled during exploration. This study creates the data base for assessment of shale gas potentiality and facilitate delineation of more blocks for Shale Gas development. During the year 2019-20 target has been achieved by completing the studies in five boreholes.

### **2.5 Commercial development of Coalbed Methane (CBM) / Coal Mine Methane (CMM)**

#### **1. Jharia CBM Block-I (BCCL Area):**

A block of about 24.32Sq. 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. Project feasibility report titled "Jharia CBM/CMM Block, Jharia Cf (under coal mining leasehold of BCCL)" prepared based on Reservoir Modeling & Techno-Economic studies submitted to BCCL.

BCCL board in its meeting held on 3<sup>rd</sup> August, 2018 has approved the Project Feasibility Report (PFR) in principle for exploitation of CBM



through Mine Developer & Operator (MDO) mode. BCCL board has further advised that CMPDIL should be engaged as Project Management Consultant (PMC) of the project from the stage of conception, tendering, award, commissioning to completion. Updated RCE of PFR submitted to BCCL for further needful. It is proposed to develop the block through CBM Developer (CBMD) where CMPDIL will be Principal Implementing Agency (PIA).

### **2. Pre-drainage of methane at Moonidih mine (BCCL), Jharia Coalfield**

Pre-drainage of methane at Moonidih mine (BCCL) in working Seam XVI has been proposed for recovery of methane to enhance production and safety and the recovered gas may also be gainfully utilized. In this regard, a Pre-feasibility report and Global Bid Document were prepared in association with BCCL for “**Pre-drainage of Coal Mine Methane (CMM) from Moonidih UG Mine**”.

BCCL, in its board meeting, held on 26<sup>th</sup> May, 2018, has approved the Pre-feasibility report and Tender Specification Document to invite Global e-Tender for selection of the suitable experienced developer for Pre-drainage of methane from UG mine under concept to commissioning basis including operation and maintenance.

BCCL published the Global Tender twice in Nov’2018 and in July, 2019 but no offers received. Pre-NIT Meet held on 27<sup>th</sup> Nov’19 at BCCL (H.Q) to obtain views of potential bidders on global bid document. Potential bidders from abroad and India

participated in good numbers and submitted their suggestions/inputs to BCCL by 21<sup>st</sup> Dec’19. Modified Global Bid Document has been prepared based on inputs received in Pre-NIT and further suggestions given by BCCL. Modified Global Bid Document has been approved by BCCL Board in its 361<sup>st</sup> meeting held 6<sup>th</sup> Mar, 2020. NIT has been published by BCCL to receive offers by due date 6<sup>th</sup> June’2020 to undertake the job under concept to commissioning basis.

It is proposed to produce 0.3MMSCMD CBM from CIL areas in 2022-23 which will further ramp up to 1MMSCMD by 2023-24 under 5 Years Vision Plan of MoC. Further initiatives have also been taken up by CMPDI/CIL& its subsidiaries for identification of additional CBM/CMM blocks within CIL mining leasehold, in the Damodar Valley Cfs (BCCL, CCL command areas), which appears to hold comparatively better potentiality for CBM.

### **3. Raniganj CBM Block (ECL Area):**

An area of 57 Sq. Km under mining leaseholds of Sripur, Satgram and Kunustoria Areas of ECL in Raniganj Coalfield has been delineated for commercial development of CMM. Project feasibility report has been prepared based on Reservoir Modeling & Techno-Economic studies and submitted to ECL for further perusal.

Considering constraints like Mining lease below Damodar River, limited access of free land & high cost of land required for acquisition, overlapping with GEECL and extensive old workings above potential coal seam for CBM etc., it appears that the identified area may



be technologically challenging for CBM/CMM extraction.

ECL board in its meeting held on 22<sup>nd</sup> September approved in principle the PFR for Raniganj CBM block to be developed under MDO mode. It is proposed to develop the block through CBM Developer (CBMD) where CMPDIL will be Principal Implementing Agency (PIA).

#### 4. Sohagpur CBM Block (SECL Area):

An area of 60 Sq. Km having resource of 1.07 BCM under command areas of SECL in Sohagpur coalfield has been delineated for CBM development. Project Feasibility Report is under preparation. It is likely to be submitted by August, 2020. It is proposed to develop the block through CBM Developer (CBMD) where CMPDIL will be Principal Implementing Agency (PIA).

### 2.6 CMM/CBM Clearinghouse in India

A CMM/CBM clearinghouse was established at CMPDIL, Ranchi under the aegis of Ministry of Coal and USEPA on 17<sup>th</sup> November, 2008. The clearing house is functioning as the nodal agency for collection and sharing of information on CMM/CBM related data of the country and help in the commercial development of CMM Projects in India by public/private participation, technological collaboration and bringing financial investment opportunities.

The clearinghouse has been established with financial support from Coal India Ltd. on behalf of Ministry of Coal and US EPA. The website of India Clearinghouse, <http://www.cmmclearinghouse.cmpdi.co.in>, encompasses all the important information viz. EoI notifications, newsletters in addition to information regarding opportunities existing for development of

CMM, VAM, etc. After completion of initial three years term it was extended twice for three years terms. Further extension has been renewed by US EPA for additional three years i.e; 2018-21.

An International Workshop on Optimum Utilization of CBM/CMM in India was successfully organized on 24<sup>th</sup> – 25<sup>th</sup> April, 2019 at Ranchi, jointly by CIL-CMPDIL, GMI-US EPA, UNECE under aegis of GoI-MoC.

Consul General of the United States of America for the Kolkata Consular District Ms. Patricia L. Hoffman visited India CMM/CBM Clearinghouse on 31<sup>st</sup> Jan, 2020.

### 2.7 Commercial development of Underground Coal Gasification (UCG)

MoC has constituted Inter Ministerial Committee (IMC) for identification of areas for UCG on the line broadly similar to the existing policy of CBM development. Potential blocks in coal and lignite were identified and considered in the IMC for the commercial development of UCG preferably by PSUs. Identified Coal blocks for UCG development are in Wardha Valley Coalfield (Jogapur–Sirsi), Sohagpur Cf (Maiki (North)–Maiki-Merkhi, Pathora, Chainpa), Tatapani-Ramkola Cf (Reonti-West), and Singrauli Coalfield (Bandha) and Godavari Valley (Yelendu – SCCL).

M/s Crisil Risk & Infrastructure Solutions Limited, Mumbai was engaged for "Formulation of Bid Document & Model Contract Document for Development of UCG". Model Contract Document & Bid Documents have been prepared and recommended by IMC in October, 2019 for approval of the GoI. MoC will also take opinion of the stake-holders on the model documents.



A workshop on “Prospects of Underground Coal Gasification (UCG) in India” organized on 13<sup>th</sup> Nov’19 at New Delhi. Dr. V K Saraswat, Member – NITI Aayog, Sri Anil Kr Jain, IAS, Secretary (Coal), Sri Vinod Kr Tiwari, IFoS, Additional Secretary (Coal), Dr. Anindya Sinha, Projects Adviser, MoC, other senior officials from Ministry of Coal & former Projects Adviser, MoC and Officials and representatives from Industries (coal & lignite), Scientific organizations and International UCG Experts from **Skochinsky’s Institute of Mining (SIM)**, Moscow and **Ergo Exergy Technologies Inc.** Canada were participated actively.

A coal block i.e Kasta (West) block in Raniganj Cf under ECL area has been identified to undertake pilot scale UCG project under R&D model in association with ECL/CMPDIL/CIL. The project proposal has been agreed in-principle in the Apex Committee of CIL R&D Board. The project proponents first to identify the technical service provider through global tendering for taking up Pilot Scale UCG development accordingly a proposal for the project will be placed for approval of R&D Board of CIL. Global Bid document for selection of Technology Service Provider (TSP) is under finalization incorporating legal and financial vetting comments.

It is also proposed that Global Bid Document (GBD) may be finalized on receipt of input based on proposed Study Tour of MoC to Angren (Uzbekistan). Thereafter Pre NIT meet may be convened.

## 2.8 S&T and R&D Projects on Coalbed Methane

### S&T Project on “CBM Reserve Estimation for Indian coalfields”

A S&T project regarding “CBM Reserve estimation for Indian coalfields (Project

Code# CE(Eol)/31)” at a cost of Rs. 2069.91 Lakhs (IEST/BESU, Shibpur – Rs. 763.21 Lakh, NGRI, Hyderabad – Rs. 457.06 Lakh, CMPDIL – Rs. 592.73 Lakh and TCE, Kolkata – Rs. 257 Lakh) has been approved under Eol of Coal S&T project vide MoC letter no. 34012/1/2014-CRC-I dated 25<sup>th</sup> Feb, 2014. The project is of 3 years duration, the completion schedule was March, 2017. Revised completion schedule is 23<sup>rd</sup> Sept, 2020.

In pursuance to 53<sup>rd</sup> SSRC Meeting a joint meeting to discuss the status of project was held on 27<sup>th</sup> March, 2018 at IEST, Kolkata where revised work plan was drawn. Revised timeline for completion schedule to January, 2021 was submitted for consideration and approval considering constraints in availability of Vibrosis which was engaged in other S&T project.

2D & 3D Seismic survey conducted by NGRI in study area of 5 Sq. Km. Report on Seismic interpretation from NGRI is awaited. NGRI has provided 5 Bhs location for deep drilling and samples collection on joint review by NGRI, IEST and TCS considering adjoining explored block data. LoA to Drilling agency has been issued by CMPDIL. Due to Lockdown drilling could not commence.

## 2.9 S&T Project on “Capacity Building for Extraction of CMM Resource within CIL Command Areas”

A S&T project on “Capacity Building for Extraction of CMM Resource within CIL Command Areas (Project Code# CE-32)” has been approved under Coal S&T project and fund sanctioned vide MoC letter no. 34012/4/2016-CRC-I dated 21<sup>st</sup> March, 2016 accordingly approval conveyed vide letter no. CMPDI/S&T/022/339-41/E-9001 dated 22<sup>nd</sup> March, 2016. Sanction of grant was conveyed vide letter no. CMPDI/S&T/022& CE-32/367-70/E-9043 dated 22<sup>nd</sup> /23<sup>rd</sup> March, 2016. Approved





Project cost is Rs. 2392.79 Lakh in which equipment cost is Rs. 934.32 Lakh. (CMPDIL: Rs. 1492.72 Lakh and CSIRO, Australia: Rs. 900.07 Lakh). CMPDIL is the implementing agency and CSIRO, Australia is Sub implementing agency. The project is of 3 years duration. Revised project schedule is 22<sup>nd</sup> Sept, 2020.

The Collaborative Understanding for execution of the Project has been signed between CSIRO and CMPDIL on 22<sup>nd</sup> December, 2016 and is valid up to December, 2021. Most of the equipment has been ordered/procured, further activities of Phase 3 & 4 is being undertaken in association with CSIRO. CSIRO could not join in project activities due to Lockdown.

## 2.10 Project on Shale Gas

### **S&T Project titled “Shale Gas Potentiality of Damodar Valley Basins of India”.**

A S&T project regarding “Shale gas potentiality of Damodar basin of India (Project code–CE (Eol/30)” with the project cost of Rs.1686.84 Lakhs under S&T plan of Ministry of Coal (MoC) vide letter no. 34012/3/2012-CRC-1, dated 30<sup>th</sup> Oct, 2012 and 12<sup>th</sup> Dec, 2012 thereafter SSRC approved the additional S&T Grant of Rs. 351.25 Lakh vide CMPDI/S&T/022 & CE (Eol)–30/ 499-504 dated 20<sup>th</sup> March, 2015. The revised project completion schedule was December, 2019.

The project has implemented with the objective to evaluate Damodar basin for their shale gas potentiality through integrated geophysical, geological, geo-chemical and petro-physical investigations in study areas jointly selected i.e; Rangamati B block (Tumni & Kanchanpur Sector) in Raniganj Cf and Radhanagar block, Jharia Cf. 3D seismic survey in these blocks completed by NGRI. Thereafter, Drilling (round the clock) in

Rangamati B Block (Raniganj Cf) and Radhanagar Pipratand Block (Jharia Cf) have been completed in August, 2019 and September, 2019 respectively to validate with 3D interpretation. NGRI and CMPDIL has shared their input and interpretation to CIMFR. Report is under finalization at CIMFR considering lab results of CIMFR & CMPDIL. NGRI will be submitting the final report as it has been delayed due to Lockdown.

## 2.11 R&D Project on Gasification (Coal to Chemicals, CTC)

An CIL R&D Project titled “**High Ash Coal Gasification and Associated Upstream and Downstream Processes (Coal to Chemicals, CTC)**”, Project Code CIL/R&D/03/03/2017 is under implementation by Indian Institute of Technology - Indian School of Mines, Dhanbad as Principal Implementing agency in association with Indian Institute of Technology, Roorkee, Central Mine Planning & Design Institute Ltd. (CMPDIL), ECL, CCL and MCL. CIL approved this R&D Project vide letter no. CIL/PMD/81/272 dated 08.07.2017. The Project has commenced w.e.f. 20.07.2017 vide letter no. CMPDI/CIL/R&D/03-03/2017/1451-68 dated 17.07.2017. Total approved cost of the Project is Rs. 2160.721 Lakhs with three years project duration. Schedule of completion is 19<sup>th</sup> July, 2020.

This project aims to Gasify the coal of ash content up to 35% using Entrained Bed, Fluidized Bed and Chemical Looping Gasification Technology at lab scale with 05 Kg/hr feed rate. In this regard coal samples from ECL coal mines had been collected and megascopic and microscopic analysis were jointly done by CMPDIL and IIT-ISM, Dhanbad at IIT-ISM Dhanbad. Subsequently, Coal Samples from CCL mines were collected and are being analyzed at IIT-ISM Dhanbad jointly



with CMPDIL officials. IIT-ISM to furnish further progress report.

## 2.12 MoU 2019-20:

As per MoU 2019-20 of CMPDIL, under the head 'Preparation and submission of "Preliminary Assessment Report on Prospects of CBM in NEC Area" to CIL (Date), Sl. No. 5, Part-B', the target for attaining 'Excellent' rating was preparation & submission of the aforesaid Report to CIL by 29.02.20. Against this target, "Preliminary Assessment Report on Prospects of CBM in NEC Area" was prepared and submitted to CIL on 14.02.2020.

## 3.0 PROJECT PLANNING & DESIGN

As prioritized by subsidiary companies of Coal India Limited, preparation of Project Reports (PR) for new/expansion/re-organisation mines was carried out during the year 2019-20 for building additional coal production capacity to the tune of 178 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 Documents, Contract Documents, Evaluation of Bids, etc. for new/existing coal washeries
- Operational plans for OC mines
- Environment Management Plan (EMP)
- 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.
- Preparation of DPR for development of mini smart colonies.
- Detailed design and drawings, NIT, tender scrutiny, etc.

During the year 2019-20, expert consultancy services were also provided to subsidiary companies of Coal India Limited in the field of Environmental Management and Monitoring, Remote Sensing, Energy Audit (Diesel & Electrical) and Benchmarking of Opencast mines, 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, Study of riverine ecosystem and carrying capacity of coal mining areas, Design of Wind Break (WB) and Vertical Greenery Systems (VGS), Slope Stability Study, Effluent/Sewerage Treatment Plants, Mine Closure Auditing, etc.

During the year 2019-20, a total of 276 reports have been prepared. The break-up of reports prepared has been given below:

REPORTS	Nos.
Geological Reports	25
Project Reports	32
Draft EMPs (including 31 Form-I)	52
Other Studies	167
<b>TOTAL</b>	<b>276</b>

Detail of GR, PR & EMP reports prepared during the period 2019-20 are given below:

### ANNEXURE - I

#### LIST OF COMPLETED REPORTS DURING 2019-20

Regional Institute/HQ	Name of the Reports
<b>Geological Reports</b>	
<b>RI-I</b>	1. Madukunda East
	2. Salbhadra Gomarpahari (Non CIL)
<b>RI-III</b>	1. Ramgarh Block-I (Sector-II, new patch)
	2. West of Ashoka
	3. Piparwar Mangardah UG
<b>RI-IV</b>	1. Western Extn. of NW of Takli Jena Bellora
<b>RI-V</b>	1. Bagra
	2. Koteya
	3. Manpur
<b>RI-VI</b>	1. Morwa
<b>RI-VII</b>	1. Ghogarpalli & its Dip Extn. (Non CIL)
	2. Integrated GR Mandakini-B (Non CIL/ Captive)
<b>Contractual</b>	1. West of Basin Phatehpur A
	2. Dhirauli (Non-CIL)
	3. Kalinga East
	4. Basin Patehpur South Extension (Non-CIL)
	5. West of Basin Phatehpur B
	6. Barul Bagdiha
	7. Bhalu Kasba Surni Phase-I
	8. Dolesera (Non-CIL)
	9. Tedi Imli
	10. Reonti Eastern Sector (Non-CIL)
	11. Duba
	12. Barapali Karmitikara (Non-CIL)
	13. Kalinga West
<b>Project Reports</b>	
<b>RI-I</b>	1. Dhangajore UG
	2. Sonapur Bazari Expn. OC
	3. Khandra UG
	4. Itapara OC Recast
	5. Pandaveswar Dalurband (UG & OC) Recast
<b>RI-II</b>	1. Pirpainti Barahat OC
<b>RI-III</b>	1. Chainpur OC RPR
	2. Pundi Expn OC
	3. Jharkand Laiyo OC
	4. Amlo-Dhori OC
	5. Parej West Recast OC

Regional Institute/HQ		Name of the Reports
RI-IV	1.	Borda UG
	2.	Bicharpur UG Mine, M/s Ultratech Cement
	3.	Dhankasa UG Recast
	4.	Ballarpur NW OC
	5.	Sasti OC Extn
	6.	Jamunia UG Recast
	7.	Gauri-Pauni Extn. OC
RI-V	1.	Rehar Expn. UG
	2.	Gare Pelma IV/7 UG
	3.	Dipka Expn. OC
	4.	Batura West OC
	5.	Badauli UG
RI-VI	1.	RPR of Bina-Kakri Amalgamation OC
	2.	Nigahi Expn. OC (15 to 25 Mty)
RI-VII	1.	Lajkura Orient OC Recast
	2.	Subhadra OC (Utkal A + Gopalprasad West)
	3.	Manoharpur OC, M/s OCPL
HQ	1.	Mandar Parvat OC
	2.	Jhanjra Expn. UG
	3.	Mandakini-B Block of M/s NTPC
	4.	Chuperbhita OC RPR
Environment Management Plan		
Form-I		
RI-II	1.	Cluster VII (EC Amendment)
RI-III	1.	Giddi A OCP
	2.	Kabribad OC
	3.	Giridih OCP (Violation)
	4.	Pichri OCP (EC Modification)
RI-IV	1.	Vishnupuri UG to OC
	2.	Amalgamated Inder Kamptee OC
	3.	New Majri UG to OC Expn.
	4.	Makardhokra -I OC Expn.
	5.	Gandhigram UG
RI-V	1.	Amlai/New Amlai UG (Revalidation)
	2.	Rajendra UG (Revalidation)
	3.	Nawapara UG (Revalidation)
	4.	Rajnagar OCP (Revalidation)
	5.	Gayatri UG (Revalidation)
	6.	Singhali UG (Revalidation)
	7.	Mahan OC (Revalidation)
	8.	Jhiria UG (Revalidation)
	9.	Bijuri UG (Revalidation)
	10.	Umaria UG (Revalidation)
	11.	West Jhagrahand UG (Revalidation)
	12.	Kusmunda OCP (EC Amendment)

Regional Institute/HQ	Name of the Reports
	13. Batura Highwall
	14. Dipka OC Expn. (Extn. of EC Validity)
	15. Batura OCP (EC Reconsideration)
	16. Gevra OC Expn. (EC Amendment)
<b>RI-VI</b>	1. Krishnashila OCP
	2. Kulda OCP Expn.
<b>RI-VII</b>	1. Kulda OCP Expn.
	2. Kulda OCP Expn (Extn. of EC Validity)
	3. Lakhanpur OCP Expn. (Extn. of EC Validity)
<b>Draft EMP</b>	
<b>RI-I</b>	1. Rajmahal OCP (Regularisation) (Peak Capacity - 17 Mty)
	2. Cluster VII Mines (Group of 4 mines) (EC Amendment under 7(ii))
	3. Kalidaspur UG & OC
	4. Rajmahal Expn. OCP (Peak Capacity - 23.8 Mty)
	5. Cluster XII ( w.r.t. Jhanjra UG) (EC Amendment under 7(ii))
	6. Cluster I (EC Amendment under 7(ii))
	7. Mohanpur OC Expansion (Ph-II)
<b>RI-III</b>	1. North Urimari OC (Addnm/Modified EMP under 7(ii))
	2. Amrapali OC (Addnm/Modified EMP under 7(ii))
	3. Basantpur Tapin Washery
	4. New Kathara Washery
	5. Tarmi OC
<b>RI-IV</b>	1. Bhatadi OC Expn.
	2. Tawa-III UG
	3. New Majri UG to OC Expn.
	4. Makardhokra-I Expn. OC
	5. Niljai Expn. Deep OC (Addnm/ Modified EMP under 7(ii))
<b>RI-V</b>	1. Gayatri UG
<b>RI-VI</b>	1. Nigahi OCP (Addnm/Modified EMP under 7(ii))
<b>RI-VII</b>	1. Jagannath Expn. OC (Violation Case) (7.5 Mty) (Revised)
<b>HQ</b>	1. Kanchan OC

#### 4.0 COAL & MINERAL PREPARATION

COMPDIL offers technical consultancy services for Greenfield Coal washeries, Mineral beneficiation plant and Modification / Modernization of existing plants. These services encompass

exhaustive laboratory studies, techno economics feasibility report (TEFR), 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 National Accreditation Board for Testing and Calibration Laboratories (NABL) accreditation in May, 2019.

The following major jobs have been completed during the year 2019-2020:

#### A. REPORTS / STUDIES.

##### ➤ Conceptual Reports

- Deshaling Plant in Mungoli-Nirguda Area (3.5 Mty), WCL
- Ashok Washery (4.0 Mty) , CCL
- Basantpur-Tapin washery (4.0 Mty), CCL
- New Kathara washery (3.0 Mty), CCL
- Karo Washery (4.0 Mty), CCL
- Konar Washery (4.0 Mty), CCL
- Kusmunda Washery (10.0 Mty), SECL
- Baroud Washery (4.0 Mty), SECL
- Techno-Economic Comparative Report on feasibility of washing of coking coal at 14%, 15% & 19% ash for setting up of New Moonidih washery , BCCL

#### B. TENDER DOCUMENT

Eight (08) numbers of Tender documents were prepared for various washeries of different subsidiaries of CIL

#### C. EVALUATION OF TENDER DOCUMENT

- Baroud washery (5.0 Mty), SECL



- ii. Kusmunda washery (10.0 Mty), SECL
- iii. Dugda washery (2.5 Mty), BCCL

#### **D. CONTRACT DOCUMENTS**

Contract Document for Hingula (10.0 Mty), MCL was prepared.

#### **E. SCRUTINIZING OF CONSTRUCTION DRAWINGS ( including Civil)**

- Bhojudih washery, BCCL : 159 Nos.
- Madhuband washery, BCCL : 06 Nos.
- Ib-Vally Lakhanpur Washery, MCL : 458 Nos.

#### **F. OTHER JOBS**

- i. Design of water network to optimize consumption in coal washeries for removal of impurities from coal being executed by CMPDIL as sub-implementing agency with IIT Roorkee. S&T Department of CMPDIL is the Nodal Agency.
- ii. Preparation of Study Reports for existing washeries of CCL & BCCL for utilization of existing coal washeries for augmentation of coking coal.

##### **a. BCCL**

- Preliminary study was carried out for Dugda, Moonidih, Mahuda, Sudamdih, Bhojudih and Madhuband washeries.
- The report was prepared and submitted to BCCL on 12.07.2019.

##### **b. CCL**

- Preliminary study was carried out for Rajrappa, Kedla and kithara washeries.
- Subsequently, Detailed study was carried out for following washeries:
  - Rajrappa Washery (submitted on 18.10.2019)
  - Kedla Washery (submitted on 18.10.2019)

### **5.0 PROJECT APPRAISAL**

1. Scrutiny and appraisal of 30 nos. of draft PRs/RPRs/EPRs prepared by Regional Institutes and HQ Departments of CMPDIL during the year 2019-20.
2. Scrutiny and appraisal of 9 nos. of conceptual notes prepared by Regional Institutes during the year 2019-20, 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.
3. Updating of status of implementation of ongoing projects costing more than Rs. 500 crores, especially with respect to actions under CMPDIL's responsibility, for the Secretary (Coal)'s Quarterly Review Meetings.
4. Monitoring of formulation of PRs for projects identified under the 1 BT Program of CIL for 2023-24.

#### **5.1 MoU 2019-20:**

1. As per MoU 2019-20 of CMPDIL, under the head 'Preparation and submission of Project Reports (Nos.), Sl. No. 4a, Part-B', the target for attaining 'Excellent' rating was preparation & submission of 32 nos. Project Reports. Against this target, 32 nos. Project Reports were prepared and submitted during 2019-20.
2. As per MoU 2019-20 of CMPDIL, under the head 'Timely submission of all 32 nos. Project Reports (Date), Sl. No. 4b, Part-B', the target for attaining 'Excellent' rating was submission of all 32 nos. Project Reports by 31.12.19. Against this target, all 32 nos. Project Reports were submitted by 31.12.19.

## 6.0 OPENCAST MINING

Following major jobs were completed during 2019-20

### 6.1 Major Outside Consultancy jobs completed are:

- Feasibility Report for Mandakini-B Coal Block of M/s NTPC.
- Mining Plan and Mine Closure Plan for Gare Palma IV/4 Coal Block of M/s Hindalco.
- Mining Plan and Mine Closure Plan for Amelia Coal Block of M/s THDC India Ltd.

### 6.2 Major CIL Jobs completed are:

- Revised Project Report of Chuperbhita OCP, ECL
- Updated Cost Estimate of Balram Expansion OCP, MCL
- Viability Study of North Eastern Coalfield, CIL
- Economic Evaluation for Gare Palma IV/1 coal block, SECL
- Assessment of Capacity of opencast mines of CIL – Projection as on 01.04.2020.
- Assessment of capacity and capacity utilization for Opencast mines of CIL during 2018-19
- Performance analysis of HEMM during 2018-19 for all subsidiaries of CIL.
- Performance analysis of Dumpers & Excavators and Summary of CIL during 2018-19.
- Analysis of Specific consumption in opencast mines of CIL during 2018-19 for explosive, Diesel & Electric-power.
- Allocation of CIL plant number for newly commissioned HEMM and Updation of database.

- Technical and Financial appraisal of Project Reports.

### 6.3 Other jobs of Ministry of Coal includes:

- Technical appraisal of Mining Plans.

### 6.4 MoU 2019-20:

As per MoU 2019-20 of CMPDIL, under the head 'Viability Study of NEC and submission of Report (Date), Sl. No. 6, Part-B', the target for attaining 'Excellent' rating was preparation & submission of the Report on 'Viability Study of NEC' to CIL by 01.03.20. Against this target, Study Report on 'Viability Study of NEC' was prepared and submitted to CIL on 19.02.2020 (soft copy) and 25.02.2020 (hard copy).

## 7.0 UNDERGROUND MINING

### A. CIL JOBS

Following jobs were completed during 2019-20:

- Detailed study of Tech-Economic parameters and time bound action programme for phasing out worst of uneconomic mines with deployment of labour force elsewhere gainfully, CCL.
- Standard Price List for Mining Equipment.
- Capacity assessment for underground mines of CIL (2019-20) with company wise capacity utilization (2018-19) and growth analysis.
- PR for Jhanjra Colliery, ECL
- Project Report of Patrattu ABC UG (MDO Option)
- Complete Ventilation Study of Nandira Colliery, Talcher Area, MCL.





- Scientific Study for Stability of workings and preparation of Scheme for mining for Lower semana seam, Bhurkunda 'B' Colliery, CCL.
- Scientific Study related to stabilization of 06 zones in Handiduha Colliery, Talcher Area
- Preparation of scheme for introduction of Man riding system at Kalidaspur Project and J.K. Nagar colliery under Satgram Area of ECL
- Scientific study of panel G, H, I & J regarding partial extraction of pillars of 4/5/6 of Dhoru Khas, CCL.
- Study of 'Ventilation PQ Survey for improvement of ventilation at Rajur Incline Colliery (U/G mine), Wani Area, WCL
- Scientific study in order to ascertain stability of Giddi-Kedla road and buildings/structures where development working in seam II of 3C incline of Sarubera UG has already been done previously beneath and within 45m of Giddi-Kedla Road.
- Scientific study regarding void created due to depillaring in AB incline / 6ft seam at Jarangdih UG mine, Kathara Area, CCL
- Preparation of Survey off Norms for Universal Drilling Machine (UDM)
- MDO Document for development, operation and delivery of Coal for Opencast Mines of CIL
- Ventilation studies conducted at the following mines under R & D Project: Ventilation Requirement of air in mine for mass production technology, Project code no. CIL/

R&D/01/63/2016

- Jhanjra Project Colliery, ECL
- Shyamsundarpur Colliery, ECL
- Moonidih UG mine, BCCL
- Churcha RO, SECL

## B) CIL JOBS (IN PROGRESS)

Following jobs have been undertaken during the year:

- Capacity assessment of 154 underground mines of CIL for the year 2020-21 and Company-wise capacity utilization of 160 operating underground mines of CIL for 2019-20 & growth analysis
- Standard Price List for Mining Equipment.
- 3D Subsidence Prediction & Management for
  - Kedla UG mine of CCL;
  - Bhurkunda UG mine of CCL
  - Tawa UG mine of WCL
- MDO Document for development, operation and delivery of Coal for Underground Mines of CIL
- Preparation of MDO document for Reopening of Abandoned/Derelict Coal Mines of CIL
- Preparation of detail design and BOQ of shaft, fan drift, and evasee of Pure Benedih UG mine of Phularitand Colliery of Barora Area, BCCL
- Identification of Coal Blocks for NCL to achieve 170 MTY in 2023-24
- Preparation of Design, Drawing, Estimate and NIT for the widening and deepening of Pit No. 2 of Tilaboni Colliery, Bankola Area, ECL
- R&D on Ventilation Requirement on mines of air in mine for mass production technology, Project code



no. CIL/R&D/01/63/2016.

- Preparation of Project Report of Marki Barka West, Phase-II (Borka Saratola) UG, NCL.
- Preparation of Revised Project Report of Natraj UG Mine

## 8.0 CIVIL ENGINEERING SERVICES

Following major services were completed during the year under review:

### 8.1 Project Planning Jobs:

#### A. PR preparation/Cost Updation of civil part of

1. RPR of Pundi OC
2. RPR of Chainpur OCP
3. PR of Mandar Parbat, BCCL.
4. PR of Gare Palma IV/5 (1.1 MTY)
5. PR of Mandakini, NTPC.

#### B. Technical vetting of PR/RPR for various reports forwarded to this department for technical vetting by PAD throughout the year.

### 8.2 Civil & Architectural Detailed Design Jobs:

- a. Scheme for Upliftment, Modernisation and Beautification of Central Park (ROSE GARDEN) at Jayant, NCL.
- b. Preparation of architectural/structural and electrical design drawings for construction of 15 bedded Hospital at Bhallar Township under Wani North Area of WCL.
- c. Architectural & Structural consultancy of township for Kusmunda Area, SECL
- d. Consultancy work for construction of 100 bedded hostel at IICM, Kanke Road, Ranchi.
- e. Planning designing and drawing of GM/Project office and New executive hostel of Jayant Project.

### 8.3 Preparation of Tender Document:

- a. Preparation of Integrated e-tender (RFQ along with RFP) for setting up of 2.5 Mtpa Moonidih coking coal washery on BOM concept.
- b. Preparation of Draft LoI, LoA and Final Draft Contract Document for setting up of Jagannath Washery (10.0 Mtpa), MCL on BOM Concept.
- c. Preparation of NIT (Technical & Commercial) for 190T Dumper maintenance shop and washing station at Field Workshop and NIT (Technical & Commercial) for 190T Dumper repair Shop & boundary wall at Base workshop.
- d. NIT for Design Engineering Const. & Commissioning Of Workshop & Store at Gevra OCP, SECL.
- e. Preparation of scheme & turnkey tender document for workshop ETP at CRS, Barkakana
- f. Tender document of CHP of Magadh OCP, North Urimari, Amrapali OCP, CCL.
- g. Preparation of NIT/Tender Document (Commercial and Technical) of Block-B CHP (incremental 4.5 Mtpa), NCL

### 8.4 Preparation of Scheme/Report:

- a. Preparation of DPR for the development of colonies of NCL, MCL, WCL & SECL into Mini smart cities/colonies.
- b. Scheme for construction of 2x330m long track hopper for BOBR wagon unloading system for 5Mtpa Patherdih NLW Washery, BCCL
- c. Scientific study for the diversion of four nalas namely Kotre, Jhummr, Pachmo and Baghraiya nala as per the PR &



- Design of embankment against chutua nala along south boundary for CCL
- d. Preparation of DPR for the work of Plotting, Development of Roads, Drains and other infrastructure as per LARR Act, 2013 for Sarangijharia R&R site under Basundhara Area, MCL
- e. Preparation of detailed Conceptual Report and Integrated Bid Document for setting up of 3 Mt New Kathara Coking Coal Washery of CCL.
- f. Preparation of detailed Conceptual Report and Integrated Bid document for setting up of 4 Mty Basantpur-Tapin Coking Coal washery, Hazaribagh, CCL.
- g. Preparation of detailed Conceptual Report and Integrated Bid Document for Ashoka Non-Coking Coal Washery, CCL.
- h. Report on Scheme for up gradation of CWS Jayant of NCL
- i. Preparation of Scheme for STP of New Kenda Colony,
- j. Preparation of Revised Conceptual Reports & Bid Document for setting up of Kusmunda Coal Washery (10.0 Mty), SECL on BOM Concept
- k. Construction of fly over bridge and two nos. of bridge over adjacent small nalla at Makrdhokra-1 OC mine of Umrer Area

#### 8.5 Structural Adequacy Study:

- a. Structural Adequacy study of various structures & buildings of different washeries of CCL (Kargali washery, Kathara washery, Swang washery & Giddi washery).

- b. Advance structural Stability test of Dudhichua CHP, NCL
- c. Structural Stability study of Nigahi Package-B CHP & Amlohri old CHP, NCL.

#### 8.6 Design/ Drawing Scrutiny:

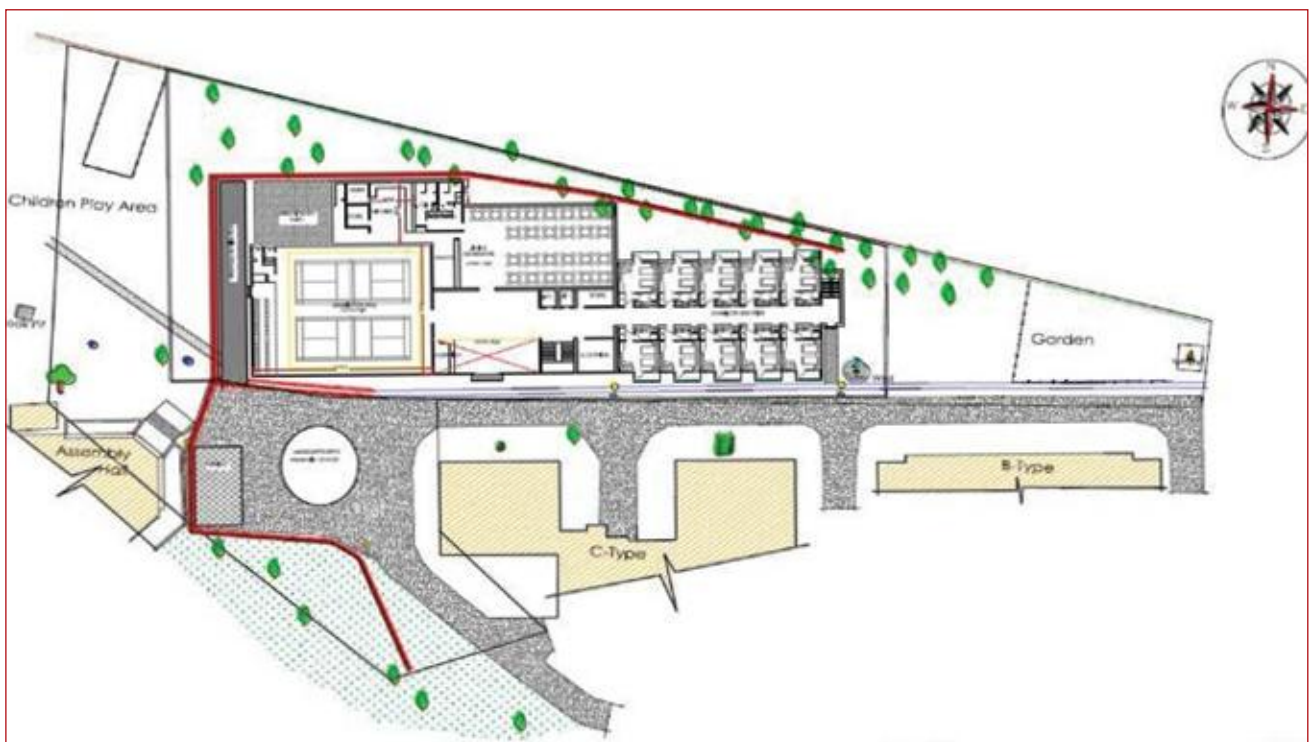
- a. Scrutiny of DPRs submitted by M/s Mecon Ltd, Ranchi for the work of high level bridges over Basundhara River for Basundhara West Extension Project & Siarmal Project.
- b. Scrutiny of design/drawing of ETP for Krishnashila Opencast Project (6.25 Mty), NCL
- c. Scrutiny of drawing/design of Sonapur Bazari CHP (12 Mty)
- d. Consultancy service contract for setting up CHPs at JVROC and KK1OC, SCCL on EPC model.
- e. Scrutiny of drawings and assistance during Trail run and Performance Guarantee Test (PGT) with respect to setting up of IB valley washery at Lakhanpur, MCL
- f. Drawing scrutiny and supervision for construction of Officers club cum Transit camp & Staff Club NSC, NCL on turnkey basis.
- g. Scrutiny & vetting of Design & Drawing for setting up of 2.0 Mtpa Bhojudih, NLW Washery.

#### 8.7 R&D Projects:

- a. R&D Project - Constructing structures on back-filled open cast coal mines: An attempt to suggest viable methodologies.



Conceptual modern scripture proposed at Rose Garden, NCL



Key Plan for Proposed 100 bedded executive hostel at IICM





DPR for development of Jagruti Vihar Colony, MCL as a Mini-smart city/colony.



Construction of test building at Jagannath Area, MCL for S&T project titled Constructing structures on back-filled open cast coal mines: An attempt to suggest viable methodologies.





## 9.0 ELECTRICAL AND MECHANICAL ENGINEERING SERVICES

Jobs carried out in 2019-20

### 9.1 Mine Planning (Infrastructure)

#### ➤ Preparation of Project report

- **Head Quarter**

Amelia OCP, THDC (5.6 Mty) & Chuperbhita OCP, ECL (4 Mty)

- **Regional Institute I**

Total 8 nos. of PR done in 2019-20

- **Regional Institute II**

Mine Plan of New Akashkinaree Colliery, Block IV Govindpur Colliery, Tetulmari Colliery, Nichitpur OCP, Basudeopur OCP & Rajapur OCP.

- **Regional Institute I**

Project Report for Ashok OCP (12.0 Mty), Chainpur OCP (1.0 Mty), Jharkhand-Laiyo OCP (1.0 Mty), Parej West OCP (2.0 Mty), Kabribad OCP (0.6 Mty) & Amalgated Amlo Dhorri OCP (5.0 Mty).

- **Regional Institute IV**

Bicharpur UG (0.75 MTY), UTCL (Outside consultancy job), Dhankasha UG Mines. Dinesh Makardhokra OC, Chinora OC Mines, Marki-Mangali OC Mines, Ballarpur N/W OCM, Gauri Pauni Expansion & Sasti Expansion OCM.

- **Regional Institute V**

5 nos. of Scheduled PR done in 2019-20 and 4 nos. of Unscheduled PR done in 2019-20.

- **Regional Institute VI**

Project reopr of Bina kakri Amalgamation OCP (14 Mty) and EPR for Nigahi OCP (25 Mty).

- **Regional Institute VII**

Project reopr of Balabhadra OCP (10 Mty), Subhadra OCP (20 Mty), Bhubaneswari OCP (40 Mty), Kulda Garjanbahal Combined OCP (40 Mty) and Lajkura-Orient OCP (15 Mty)

#### ➤ Updation of Project reports / cost estimate

- **Head Quarter**

Mandar Parvat Block, BCCL (19 Mty)

- **Regional Institute VII**

RCE of Hingula OCP (15 Mty), Gopalji-Kaniha OCP (30 Mty) and RCE Documet of Siarmal OCP (40 Mty)

### 9.2 Coal handling Plant

#### ➤ Preparation of e-tender/ tender documents:

- **Head Quarter**

- CHP of KK1 OCP, SCCL (Outside CIL consultancy)
- Dudhichua Incremental Ph – III CHP (10 Mtpa), NCL
- Hura C CHP (3.0 Mtpa), ECL
- Block B CHP (4.5 Mtpa), ECL

- **Regional Institute I**

NIT for Kumardih B CHP (1.02 Mty)

- **Regional Institute III**

Tender Document for North-Urimari CHP (7.5 MTY) and Amrapali CHP (12 MTY)

- **Regional Institute IV**

CHP System design for Bhatadi, Gondegaon, Singori and Pauni Amalgamated.



- **Regional Institute V**

Gevra CHP phase I (20 MTY), Manikpur CHP (4.9 MTY) and Draft NIT for Gevra Silo 5 & 6, SECL.

- **Regional Institute VII**

e-Tender document for CHP and RLS with Surge Bin arrangement at Kaniha OCP (10 Mty) and e-Tender document for CHP with Pipe conveyor and Silo loading arrangement at Lakhanpur OCP (10 Mty), Ph-I.

- **Scrutiny/Approval of Drawings of CHP's / Workshop/Substation**

- **Head Quarter**

- Krishnashila Main CHP (4 Mtpa), NCL
- JVR OC CHP (10 Mty)
- Kusmunda Workshop, SECL
- Shifting of 132/33 kV, 3X40 MVA Madhuli Substation, NCL

- **Regional Institute I**

Drawing Scrutiny of Sonapur Bazari CHP (12 Mty)

- **Regional Institute V**

Drawing scrutiny of 3nos. of 33 kV Substation balance work at Dipika, SECL

- **Regional Institute VII**

Drawing Scrutiny of CHP with Pipe conveyor and Silo Loading arrangement at Hingula OCP (10 Mty) and Bhubaneswari OCP (25 Mty)

### 9.3 Workshop & Store: Preparation of e-tender documents

- **Head Quarter**

- 190 T Dumper Repair Shop at Jayant Field Workshop, NCL.
- Gevra Workshop (70 MTY), SECL

### 9.4 Energy Audit and Benchmarking

- **Annual Diesel Benchmarking for seventy (91) nos. Opencast mines of CIL for the following subsidiaries by HQ, Ranchi**

- **Head Quarter**

14 OCPs of BCCL, 30 OCPs of CCL, 08 OCPs of ECL, 12 OCPs of MCL, 10 OCPs of NCL, 03 OCPs of SECL and 14 OCPs of WCL

- **Electrical Energy Audit & Benchmarking for**

- **Head Quarter**

Block B OCP, NCL and NCL HQ, NCL

- **Regional Institute II**

Moonidih U/G Project of WJ Area, BCCL.

- **Illumination Survey of**

- **Head Quarter**

Jayant OCP of NCL

- **Regional Institute II**

AKWMC Project, Katras Area of BCCL.

### 9.5 Power Supply and Distribution & Control Systems

- **Head Quarter**

- e-Tender Document for power supply arrangement for expansion of Jayant OCP from 10 Mtpa to 20 Mtpa.

- **Regional Institute III**

- Tender Document for 2X16 MVA, 33/6.6 kV substation-IE of Magadh OCP
- Tender Document for 2X16



MVA, 33/6.6 kV substation-II of Amrapali OCP

- Draft tender document for 33 kV overhead transmission line from proposed DVC Tandwa near NTPC tandwa to proposed 2X16 MVA, 33/6.6 kV substation-IE of Magadh OCP
- Draft tender document for 33 kV overhead transmission line from proposed DVC Tandwa near NTPC Tandwa to 2X16 MVA, 33/6.6 kV substation-II of Amrapali OCP

### ➤ **Regional Institute V**

- NIT for retender of Kushmunda 33kv Sub Station 3nos.
- NIT for 33kv Sub Station 3nos.at Gevra OCP (35-70) mty
- NIT for 33 kv Sub station at Chall OCP
- NIT for 33 kv Sub station at Jagnathpur OCP

### ➤ **Regional Institute VI**

- NIT for 2X10 MVA OB substation, Khadia OCP, NCL.

### ➤ **Regional Institute VII**

- e-NIT & cost estimate for supply, installation, commissioning, testing, trial run and maintenance during DLP for 2x4 MVA, 33/3.3 kV project substation at Ananta OCP.
- e-NIT & cost estimate for supply, installation, commissioning, testing, trial run and maintenance during DLP for 2x10 MVA, 33/6.6 kV project substation and 33 kV OHTL at Bharatpur OCP.
- e-NIT & cost estimate for supply, installation, commissioning, testing, trial run and maintenance

during DLP for 2x1.6 MVA, 33/6.6 kV project substation and 33 kV OHTL from 132/33 KV Nandira Substation at Jagannath OCP.

## 9.6 Solar Initiatives

### ➤ **Regional Institute II**

- 30 kWp Solar Rooftop Power Plant has been commissioned at CMPDIL RI-II in 2019-20.

### ➤ **Regional Institute IV**

- 50 kWp Solar Rooftop Power Plant has been commissioned at CMPDIL RI-IV in June-2019.
- 100 kWp Solar Rooftop Power tender for an amount of Rs. 55 lakhs has been done.
- Under CSR activities 6 kWp Rooftop Solar Power Plant installed at Jilla Parisad School, Anandwan Warora (MS).

### ➤ **Regional Institute V**

- Installation, commissioning and testing of 100 KVP Roof Top Solar Power Plant. at office building.

## 9.7 Other Reports / Tender Document / Scheme

### ➤ **Head Quarter**

- Scheme for Patherdih Washery BOBR Track Hopper
- Scheme for Rajmahal CHP (10 Mty)
- Scheme for Jayant Secondary Sizer
- Scheme for New Substation at CMPDIL (HQ)
- Scheme for up gradation of Central Workshop, Jayant, NCL
- Mini smart city DPR preparation for NCL, WCL, MCL and SECL

### ➤ **Regional Institute IV**



- Scheme for introduction of continuous miner in Tawa UG Mine

➤ **Regional Institute V**

- Draft scheme for Mechanized siding at Dipka OC Expn. (25-40 mty) project submitted.

➤ **Regional Institute VI**

- Scheme for mechanized loading with RLS at existing wharfwall of NCL Projects (First Mile connectivity)
- Draft scheme for installation of secondary sizer in the existing CHP's of Amlohri Project.
- Draft scheme for installation of secondary sizer in the existing Khadia Phase-I CHP.
- Scheme for alternate route of western CHP of Nigahi Project.
- NIT for Operation and Maintenance of Khadia Phase-II CHP.

➤ **Regional Institute VII**

- Scheme and e-Tender document for transportation of coal from TH-7 & TH-8 of Bhubneswari CHP (U/C) upto proposed Silo near spur siding VI (15Mty)
- Scheme and e-Tender document for CHP and RLS with Surge Bin arrangement at Sardega siding (20 Mty)
- Scheme and e-Tender document for CHP and RLS with Surge Bin arrangement at Ananta OCP (20 Mty)
- Scheme and e-Tender document for CHP and RLS with Surge Bin arrangement at Lajkura siding (20 Mty)
- Revised Scheme and e-Tender document for transportation of

coal from Stockyard/Reclaim feeder complexes to TH1 and TH2 (u/c) of Bhubaneswari CHP (25 Mty)

**9.8 Inspection Services**

- Pre-despatch Inspection Services for plant & machinery purchased by all CIL subsidiaries at the Manufacturer's Works
- Revenue earned from the services by CMPDIL for the year 2019-20 is around Rs. 3.04 crores.

**9.9 NDT (Non-destructive Testing) Jobs**

➤ **Head Quarter**

- NDT of CHPs carried out at various subsidiaries of CIL - 2 nos.
- NDT of Draglines carried out at various subsidiaries of CIL - 2 nos.
- NDT of Shovels/Excavators carried out at various subsidiaries of CIL - 20 nos.
- NDT of Dumpers carried out at various subsidiaries of CIL - 14 nos.
- NDT of EOT Crane carried out at various subsidiaries of CIL - 15 nos.
- NDT of Coal Washery carried out at various subsidiaries of CIL - 1 no.
- NDT of Air Compressor Tanks carried out at various subsidiaries of CIL - 2 nos.

➤ **Regional Institute III**

- Swang Washery of CCL
- Churi U/G CHP of CCL

➤ **Regional Institute VI**

- NDT for CHP structure, shovel, Dumper & Dragline of NCL projects.

**9.10 Other Major Jobs**

➤ **Head Quarter**



- Coal Block Cost updation (E&M Part)
- Vehicle Tender for hiring of 7 SUV type vehicle on monthly basis through GEM portal
- Vehicle Tender for hiring of vehicle on as and when required basis.
- Preparation of MS project CHP Template for adoption by CIL
- Implementation of ISO Integrated Management System of CMPDIL for ensuring Quality and Data Security in E&M Division, CMPDIL (HQ)
- Implementation of Risk Management System and Anti-Bribery System in E&M Division, CMPDIL (HQ)

## ➤ **Regional Institute IV**

- Electrical work in installation for DRC (Disaster recovery System of 4.6 crores)
- Hiring of 32 nos. of Vehicle has been done successfully.
- A new camp (Ekta Nagar) is established and for this all electrical work have been done departmentally successfully.

## **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.

## **11.0 RESEARCH & DEVELOPMENT PROJECTS:**

### **11.1 S&T PROJECTS FUNDED BY MINISTRY OF COAL**

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 Neveli 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 and Director, TERI. The main functions of SSRC are to plan, program budget, approve new research projects, oversee their implementations and seek application of the R&D findings in actual field condition.

The SSRC is assisted by a Technical sub-committee headed by CMD, CMPDIL. This sub-committee deals with new research proposals related to production, productivity and



safety in coal mines, coal beneficiation and utilization, clean coal technologies, protection of environment and ecology etc.

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 31.03.2020) - 392 nos.
- Total no. of S&T projects completed (till 31.03.2020) - 323 nos.

## 11.2 Physical and financial performance during 2019-20:

### A. Physical performance

Sl. No.	Parameters	Quantity
1	Projects on-going as on 01.04.2019	12
2	Projects completed during 2019-20	02
3	Projects on-going as on 01.04.2020	11
4	Projects sanctioned during 2019-20	01

### B. Financial status

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

(Rs.in Crores)

2018-19			2019-20			
RE	Fund received from MoC	Actual	BE	RE	Fund received from MoC	Actual
25.00	24.19	24.23*	25.00	19.80 (Ex. NER Rs. 2.20 Cr.)	18.78	18.67 (Un-audited)

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

For in-house R&D work of CIL, an R&D Board headed by Chairman, CIL. The R&D Board is assisted by an Apex Committee headed by Director (Tech.), CIL. CMPDIL acts as the Nodal Agency for preparation of budget estimates for research activities, evaluation of new project proposal, and disbursement of fund to implementing agencies based on the progress of the project and monitoring the progress of the projects till their completion, etc.

To enhance R&D base in command areas of CIL, CIL Board in its meeting held on 24<sup>th</sup> 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 sanction individual R&D project up to Rs. 50.0 Crore.

- Total no. of R&D projects taken up (till 31.03.2020) - 92 nos.
- Total no. of R&D projects completed (till 31.03.2020) - 63 nos.

## 11.4 Physical performance

The status of CIL R&D Projects during 2019-20 are as follows:

Sl. No.	Parameters	Quantity
1	Projects on-going as on 01.04.2019	21
2	Projects sanctioned during 2019-20	02
3	Projects completed during 2019-20	05
4	Projects on-going as on 01.04.2020	18

## 11.5 Financial status

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

(Rs. in Crores)

2018-19		2019-20	
RE	Actual	RE	Actual
30.00	13.57	30.00	20.60 (Un-audited)

The list of S&T and R&D projects sanctioned and completed during 2019-20 are enclosed as **Annexure-A & Annexure-B** respectively.

### Annexure-A

#### S&T Projects funded by Ministry of Coal (MoC) sanctioned during 2019-20

Sl. No.	Name of the project	Implementing agencies	Approved cost (Rs. lakh)
1	Development and Field Trial of 500 T Capacity SAGES-III for Use with Continuous Miners (Phase-III)	IIT-ISM, Dhanbad, SECL, Bilaspur, M/s Andhra Pradesh Heavy Machinery & Engineering Limited (APHMEL), Vijayawada and M/s Jaya Bharat Equipment Pvt. Ltd. (JBEPL), Hyderabad	396.69

#### S&T Project funded by Ministry of Coal (MoC) completed during 2019-20

Sl. No.	Name of the project	Implementing agencies	Approved cost (Rs. lakh)
1	Shale gas potentiality evaluation of Damodar Basin of India	NGRI, Hyderabad, CIMFR, Dhanbad and CMPDIL, Ranchi	2038.09

2	Hybrid PRESRIX process for simultaneous remediation of acid mine drainage and recovery of individual metal sulphides	Indian Institute of Technology (IIT), Roorkee, North Eastern Coalfields(NEC), Margherita and Singareni Collieries Company Ltd. (SCCL), Kothagudem	74.45
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## Annexure - B

### R&D Projects funded by CIL approved during 2019-20

Sl. No.	Name of the project	Implementing agencies	Approved cost (Rs. lakh)
1	Development and adoption of Real-Time Prognosis System (RTPS) for cost effective safe operation of mobile machinery: show-cased demonstration of dumper fleet.	IIT, Kharagpur, CIMFR, Dhanbad, Lulea Technological University (LTU), Sweden and ECL, Sanctoria.	440.30
2	Development of suitable Paste Fill material from Fly Ash (Power Plant Reject) and its transportation system to underground coal mines for stabilization of working as an alternative of sand stowing for increasing the percentage of extraction of coal with due regard to safety and environment to ascertain its cost effectiveness in Sarni UG Mine, Pathakhera Area, WCL	WCL, Nagpur and CIMFR, Dhanbad	352.76

### R&D Projects funded by CIL approved during 2019-20

Sl. No.	Name of the project	Implementing agencies	Approved cost (Rs. lakh)
1	An integrated geo-physical approach for tectonic study in main coal basin of Singrauli coalfield using 3D inverse modeling of Gravity, Magnetic and AMT data.	IIT-ISM, Dhanbad and CMPDIL, Ranchil	349.40
2	Assessment of applicability and performance of Ground based Interferometry Synthetic Aperture Radar (GblnSAR) in safety zoning of surface mining slopes	IIT, KGP & ECL, Sanctoria	478.28
3	Dry beneficiation of High Ash Indian Thermal Coal	NML-Jamshedpur, CMPDIL, Ranchi	216.77

4	Studies of techno-commercial efficacy of ANFO with low density porous Prilled Ammonium Nitrate for blasting overburden in Coal mines	CMPDIL, Ranchi, DFPCL, Pune & WCL, Nagpur	206.80
5	Seismic data processing, interpretation and identification of thin coal seams using Inverse Continuous Wavelet Transform Deconvolution (ICWT-Decon) for resource estimation	Gujarat Energy Research and Management Institute(GERMI), Gandhi Nagar, CMPDIL, Ranchi	249.02

### 11.6 MOU 2019-20:

As per MoU 2019-20 of CMPDIL, under the head 'Capital Expenditure under R&D (Rs.crore), Sl. No. 7, Part-B', the target for attaining 'Excellent' rating was Capital Expenditure under R&D of Rs.30 crore. Against this target, Capital Expenditure under R&D of Rs.20.60 (unaudited) has been made during the year 2019-20.

## 12.0 LABORATORY SERVICES

### 12.1 Chemical Laboratory

During the year 2019-20, Chemical Laboratory carried out characterization of coal for 29,020 nos. of samples comprising 11,652m of coal cores from 45 nos. of Blocks in 11 coalfields for incorporation in Geological reports.

Chemical analysis for 34 numbers GR was monitored and the results were submitted, which in turn resulted in submission of 15 number of geological reports (including IGR and compendium).

### 12.2 Coal Petrography Laboratory

During the year 2019-20, characterization of coal was carried out for borehole coal cores from 42 nos. of exploration blocks from 20 coalfields. A total of 890 nos. of samples were analysed for Maceral determination and Reflectance study. This includes Petrographic study on coal samples from exploration blocks, washery products, CBM cell, BCCL areas and imported coking coal samples.

A total of 25 nos. of coal samples were analyzed for micro-cleat study through Scanning Electron Microscope.

### 12.3 Coal Preparation Laboratory

CMP Laboratory is engaged in washability analysis (including Proximate Analysis, GCV, HGI, Caking Properties etc.) for both coking and non-coking coal samples of different coalfields as per job requirement. These analysis are carried out for bore core coal samples as well as RoM coal samples. The number of coal samples whose analysis has been carried out during 2019-2020 is given below:

- Bore Core Coal Samples – 39(Thirty nine) samples from different RIs (RI-1=2, RI-3=19, RI-4=3 and RI-5=15) of CMPDIL were tested for washability analysis to incorporate in GR.

- b) RoM Coal Samples–05 (Five) samples of CCL were tested for washability analysis, proximate analysis, GCV, HGI, S.I, and LTGK for setting of coal washeries.

#### 12.4 Coalbed Methane (CBM) Laboratory

Relevant studies like Adsorption Isotherm (AI) studies, porosity & permeability studies for 8 boreholes for coal, as well as, total organic carbon (ToC) analysis, Rock Eval pyrolysis studies for 5 boreholes for shale has been completed. Analysis of 759 mine air samples received from different collieries of CCL have been done and results submitted.

#### 12.5 Mining Laboratory

##### ROCK MECHANICS/ROCK TESTING

1. Tests have been conducted for physico-mechanical properties on drill core samples of 3600 m.
2. Report on results of physico-mechanical properties of nine (09) boreholes of different block of CIL/ Non-CIL.

##### STRATA CONTROL STUDIES

1. Report on study of Rock Mass Rating (RMR) / SCAMP study submitted for 12 mines/ seams.
2. Cumulative rock types tested (42 nos.) for determination of strength properties, slake durability index and density for RMR study.

### 13.0 ENVIRONMENTAL SERVICES

#### 13.1 EIA / EMPs

##### CIL PROJECTS

During the year 2019-20 CMPDIL prepared a total of 31 nos. of Form-1 (including Form IV & VI) and 21 nos. of Draft EMPs.

#### OUTSIDE PROJECTS

Following reports were prepared during 2019-20:

- Slope Stability Assessment study for dumps at Guda Clay mines (M/s Harish Clays), Rajasthan and Assessment of Slope stability for Red Mud pond of M/s Hindalco Industries, Muri unit were successfully prepared & submitted.
- **Draft Report** for fly ash disposal for Vindhyaachal Super Thermal Power Plant (VSTPS), NTPC, covering leachability study of fly ash for disposal into Gorbi mine pit of NCL was submitted.
- **Progressive Mine closure monitoring and audit report** for Mangrol- Valia OC and Vastan Lignite OC of GIPCL, Gujarat were submitted

#### 13.2 Environmental Monitoring of Air, Water and Noise

Once MoEF&CC accords the Environmental Clearance (EC) to the mining projects, routine environmental monitoring is required to ascertain the efficacy of the pollution control measures taken at the project level during the operation and compliance of EC conditions.

During the year 2019-20, environmental monitoring of 314 projects/clusters/



Analysis of Water Samples at Environment Lab, HQ





**A View of Environment Lab at CMPDIL, HQ**

establishments of CIL (ECL-17, BCCL-17, CCL-72, WCL-86, SECL-81, NCL-13 and MCL-28) were carried out through Nine environmental laboratories located at Asansol, Dhanbad, Nagpur, Bilaspur, Bhubaneswar, Kusmunda, Hasdeo, Jayant, and Ranchi.

### 13.3 Accreditation to CMPDIL as EIA Consulting Organisation

CMPDIL is accredited as an EIA Accredited Consultant Organization (ACO) by Quality Council of India (A ministry of Environment & Forest's designated Agency) for Mining of Minerals including Opencast/ Underground mining sector, Thermal power and Coal Washeries sector. Surveillance assessment of CMPDIL by QCI NABET was successfully carried out in January 2020. CMPDIL has now been accredited as an EIA Accredited Consultant Organization (ACO) with addition of a new sector viz. **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 preparation of EIA & EMP and having more than 90 No. of approved Experts in four sectors and 12 Functional Areas.

### 13.4 Accreditation of CMPDIL Environmental Laboratory

Environmental Laboratories of CMPDIL (HQ) Ranchi, RI-IV, Nagpur, RI-V, Bilaspur

& RI –VII, Bhubaneswar are accredited by National Accreditation Board for Testing & Calibration of Laboratories (NABL). Environment Lab, CMPDIL (HQ) has also been recognized by Central Pollution Control Board (CPCB), Delhi under Environment (Protection) Act, 1986.

### 13.5 ETP/STP/AMD (IWSS) Scheme for Coal Projects

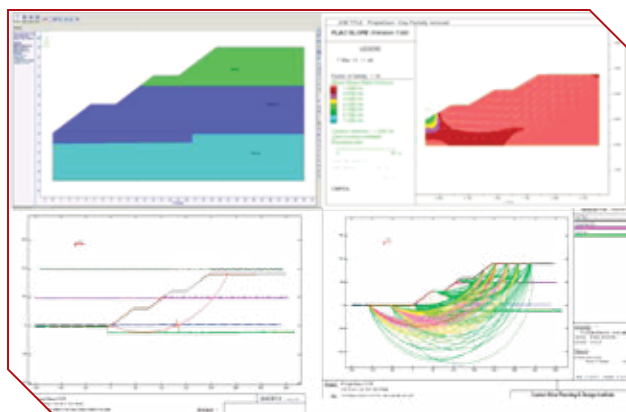
Three number of schemes and tender documents were prepared during this year namely for New Kenda Project of ECL and Khadiya Township & Central Hospital of NCL.

### 13.6 Quick Comments and Scrutiny of check-list on Mine Closure Plan for Coal Blocks sent by MoC to CMPDIL

11 nos. of Mine Closure Plans were scrutinized and comments sent to MoC during the year.

### 13.7 Slope Stability / Soil Erosion Control Studies

Requirement of slope stability assessment of OB Dumps and Highwalls, as per compliance of regulation 106 of CMR, 2017 of DGMS were taken up during the year. Accordingly, stability study was submitted for 46 number of coal projects of CIL.



**Typical Slope Stability analysis of OB Dump using FLAC & GALENA software**



### 13.8 Special Studies & S&T/R&D Studies

- CMPDIL is assisting MoC in formulation of **Green Coal Strategy** for the coal sector in India with the objective to minimize the adverse environmental impacts of coal and promote best practice mine environmental management.
- It is also assisting MoC in planning & implementation of **sustainable development** practices in coal sector like restoration of ecology and biodiversity, mine water conservation and utilisation, mine tourism, utilisation of OB, sustainable mine closure etc.
- Scheme for STP based on Phytotrid technology (constructed wetland) with zero power requirement and zero waste generation has been submitted to ECL. Based on CMPDIL Scheme ECL has undertaken the construction of STP at New Kenda Colony.
- Scheme for ETP of Hospital liquid waste for Central Hospital Singrauli, NCL has prepared for the first time by CMPDIL.
- The study of riverine eco-system and carrying capacity for Gondagaon OCP of WCL, covering Pench and Kanhan Rivers was completed.
- Modalities for preparation of Natural and Community Resource Augmentation Plan (NCRAP) to deal with violation cases of coal projects for grant of Environmental Clearance were finalized.
- Deployment of wind break (WB) and vertical greenery systems (VGS) has been designed for controlling the fugitive dust propagation from various mining activities for Lakhanpur, Bhubneshwari and Kulda OCPs of MCL. In this system wind break

system is deployed upwind from the dust generating source and VGS in the downwind direction .

- S&T Project titled “**Assessment of mine water environment and development of suitable and cost effective mine void aqua eco-system for promoting pisciculture in abandoned coal quarries of Coal India Limited**” completed in association with Birsa Agriculture University, Ranchi.
- Development of Guidelines for increasing height of OB dump at opencast coal mines in India.
- Development of methodology for Regional Air Quality Monitoring in Coalfield Area using Satellite data & ground observation.

### 13.9 Automation of Environmental Laboratory

Automation work for direct transfer of analysis data generated by various laboratory equipment has been developed and introduced resulting in reduction in manpower and time required in preparation of environmental monitoring report.

The Ion Chromatograph for automatic analysis of water samples has been successfully installed and commissioned at Environment laboratory of CMPDIL (HQ).

### 13.10 Celebration of World Environment Day

The World Environment Day was celebrated on 5<sup>th</sup> June, 2019 at HQ & RIs. A number of programmes viz. drawing competitions for children, quiz competition, plantation programmes and guest lecture were organized to create awareness amongst employees of CMPDIL.



World Environment Day Celebrations

## 14.0 INFORMATION & COMMUNICATION TECHNOLOGY.

In addition to providing in-house support, CMPDIL has been extending consultancy services to CIL and its Subsidiaries. Some of the major jobs done during Financial Year 2019-20 are:

1. The following centralized software are also developed and maintained by ICT Division CMPDIL for entire CIL:
  - a. Portal for Contract Labour Information Portal – CLIP: registering contract labours working in various subsidiaries.
  - b. Web enabled On-Line PMS (Performance Management System) – PRIDE for Executives upto E7 and PAR for Executives above E7..
  - c. Development and implementation of Human Resource Management System (HRMS) for all executives of Coal India Limited.
  - d. Vigilance Clearance System/ Vigilance Monitoring System for CIL and subsidiaries has been developed and implemented.
  - e. On-line web enabled Annual Property Return system for all executives of Coal India Limited. This is extended to non-executives under Lokpal and Lokayukta Act.
  - f. Bank card rate system for CIL has been developed to enable CIL; to invite deposit rate offer from the bankers for depositing the fund by CIL.
  - g. Underground and Opencast Mine Capacity Assessment; Application have been developed and deployed for seamless entry of equipment data and allied data for calculating Mine Capacity Assessment.
  - h. Online Coal Block Information System Application is developed to give information regarding Coal Block Mine Data.





- i. Coal Block Information portal is developed for the blocks identified for commercial Mining.
  - j. Safety Clearance (SC) and Departmental Clearance (DC) Portals are developed and implemented.
  - k. Mine Data Management System Portal (MDMS) was developed which depicts salient features of projects being monitoring by CIL. The main features of the portal is to monitor the progress of coal projects which encompasses Environmental Clearance (EC), Forest Clearance (FC), Land Acquisition, Rehabilitation & Resettlement (R&R), financial parameters, HEMM procurement, production and other major infrastructure such as Coal Handling Plant (CHP), silo and railway sidings.  
Mine Data Management System Portal (MDMS) Software has been extended to State Nominated Authorities and Private Block Allottees to monitor Non-CIL Coal Blocks.
2. Online Recruitment Portals for the following Subsidiaries have been developed and implemented during the year:
    - a. Online Recruitment Portal for Non-Executives for NCL.
    - b. Online Recruitment Portal for Non-Executives for CCL.
    - c. Online Recruitment Portal for Non-Executives for CMPDIL.
  3. CMPDIL is maintaining MCL Website.
  4. CMPDIL has established MS Project Server and through which CIL Projects are being monitored online by CIL & MoC.
  5. CMPDIL has also been entrusted the task of the implementation of e-Office

for entire Coal India Limited. The centralized infrastructure and MPLS connectivity has been established at all Subsidiary HQ locations, CIL New Delhi, CIL HQ Kolkata, IICM and NEC. E-office is running in all the locations.

## 15.0 INFORMATION MANAGEMENT SYSTEM

**The important activities/jobs carried out during the year 2019-20 are as follows:**

### 15.1 Publication of quarterly magazines "Minetech" and "Gondwana Bharti"

Three issues each of the above said magazines have been published during the year 2019-20. January-March, 2020 issue is under process of publication.

### 15.2 Dispatch of magazines

Apart from in-house distribution, approximately 12000 copies of both the magazines were dispatched during the year 2019-20 to MoC, CIL and its different subsidiaries (HQ, Area and colliery unit), different institutes and other known organizations.

### 15.3 Publication of Book

Publication of following books have been done during 2019-20:

- i. 'Ready Reckoner of Managing Environment of CIL Mines'.
- ii. Compendium of CVC/CIL/MOC/DoPT/CMPDIL Circulars & Guidelines (publication of this book was done in very short period of approximately one & half month).

### 15.4 Sale of Book

Continuous follow up actions were taken for sale of technical books in different subsidiaries of CIL. To facilitate purchase of book by different coalfields & HQs of



subsidiary companies, technical books have been made available earlier at different Regional Institutes as per decision taken in the FDs meeting. These technical books will be helpful in updating technical knowledge related to coal mining of middle level and young executives.

### 15.5 Social media activities

HoD (IMS) has also been nominated as Nodal Officer of social media of CMPDIL. There are official Facebook page and 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 being also monitored from the office of Hon'ble Minister of Coal & Mines, Govt. of India.

### 15.6 MoU 2019-20

As per MoU 2019-20 of CMPDIL, under the head 'Acceptance of Publication in High Impact Journals (Q1 & Q2 Levels) (in Nos.), Sl. No. 8, Part-B', the target for attaining 'Excellent' rating was Acceptance of 5 nos. Articles for Publication in High Impact Journals (Q1 & Q2 Levels). Against this target, 7 nos. Articles, authored/co-authored by CMPDIL employees, have been accepted for Publication in High Impact Journals (Q1 & Q2 Levels) during the year 2019-20.

## 16.0 VIGILANCE

Vigilance activities and achievements during financial year 2019-20 is placed below:

### 16.1 Vigilance Awareness Week

Vigilance Awareness Week –2019 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 28<sup>th</sup> October to 2<sup>nd</sup> November 2019.

Vigilance pledge was administered by Shri Shekhar Saran, CMD, CMPDIL at its Headquarters at 11.00 AM on 28.10.2019. Pledge was also administered at the Regional Institutes of CMPDIL by their respective Regional Directors. Employees & their family members were also encouraged to take Integrity E-pledge.

The following programs were organized during Vigilance Awareness Week-2019 at CMPDIL:

- Essay Writing, Elocution, Debate, Quiz and Slogan writing competition were organized for employees & Painting Competition for family members of employees.
- CMPDIL also organized various programme for vigilance awareness among students at Ranchi at Jharkhand Raksha Shakti University, DAV Public School, Hehal, Birsa High School, S.S. Memorial College, Sri Doranda Balika Uchch Vidyalaya, Amity University and St. Anthony's School, Kalakriti School of Arts etc.
- Similar programs were organized across all seven regional institutes for vigilance awareness among student community in different educational institutes.
- A guest lecture was organized by Vigilance Department CMPDIL, Ranchi in the concluding session of VAW, 2019. On this occasion, Dr. Amit Mukherjee, a renowned motivational Speaker, deliberated on the topic "Integrity in leadership".



- e. At the end of concluding session, a Compendium of Circulars/Guidelines/SOPs etc. of CVC, CIL and CMPDIL compiled by Vigilance Department was also released by CVO, CMPDIL.

which have subsequently been implemented.

## 16.2 Preventive Vigilance

- a. 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.
- b. System Improvement measures in respect of Standard Operating Procedure (SOP) have been approved in respect of passing of different types of Contractors/ Service providers/ Vendor's bills in time bound manner.
- c. Definition of "Similar Nature of Works" for different types of Works/Services Contract to be formulated for jobs of regular nature by the concerned department and circulated across CMPDIL for compliance with the approval of competent authority.
- d. 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, time taken in submission of 3<sup>rd</sup> part OB measurement report, verification of medical claims, scrutiny of tender files etc.
- e. Identification of sensitive departments and transfer/rotation of personnel occupying sensitive post for long are suggested by Vigilance Department

## 16.3 Pictorial Depiction of Vigilance Activities

Oath Administration by CMD, CMPDIL during VAW, 2019



## 17.0 GEOMATICS

CMPDIL provides services in the field of Remote Sensing and Surveying. The major work include Land Reclamation Monitoring, OB measurement, Vegetation Cover Mapping, Land Use /Cover Mapping, Coal Mine Fire Mapping, DGPS survey, Topographical Survey, Underground Correlation Survey etc.

### 17.1 Land Reclamation Monitoring

CMPDIL has been carrying Land Reclamation Monitoring of OC on a regular basis based on high resolution satellite data. In 2019-2020, Land Reclamation Monitoring of total 87 projects comprising of 52 Opencast Projects producing more than 5 mcm (Coal+OB) category and 27 opencast projects and 08 clusters producing less than 5 mcm (Coal+OB) category of different subsidiaries of CIL have been completed.

### 17.2 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 2019-2020, Vegetation cover mapping of six coalfields viz Kamptee and Wardha Valley Coalfields (WCL), Talcher Coalfield (MCL), Jharia Coalfield (BCCL), Bishrampur Coalfield (SECL) and Makum Coalfield (NEC) has been completed as per schedule.

### 17.3 Land Use / Cover Mapping

Land Use / Cover Mapping of Core & Buffer Zone based on satellite data of 31 OCP/UG Mines were done during 2019-20. Another Job of Land Use Cover Map for the leasehold area of 15 UG projects of SECL was also completed during 2019-20 for MoEF & CC compliance.

### 17.4 Procurement of Drones (UAVs)

In an endeavour to embrace upon new technology, CMPDIL has decided for procurement of Drones which would be a State-of Art equipment fully loaded with LIDAR/Optical/Thermal sensors. Supply Order has been placed and CMPDIL would be receiving these Drones shortly.

### 17.5 OBR/ OB+Coal Measurement –

Survey in 23 departmental mines, 206 contractual patches, done. OGL and volume measurement is also done in Pakri-Barwadih, Dulanga & Talaipalli Coal Mining Projects of NTPC. OGL Survey in Talabira II & III of NLCIL done. Demarcation of block boundary, preparation of geo-referenced cadastral map & DGPS survey of forest land and block boundary of Bhalumuda coal block of M/s NTPC has been completed. Apart from these, Preparation of Shape & kml files for forestry clearance of ROR of EC Railway was also done

- **Project Completed** – A CIL funded Project of Preparation of updated topographical maps in major Indian Coalfields using Remote Sensing Techniques by Survey of India. Under this project updated topo sheets of 1:5000 Scale with 2 m contour has been prepared for 29 coalfields.
- **Settlement Mapping** - Detection of unauthorized structures using high resolution satellite data with selective DGPS survey for expansion of Kaniha OCP, Kaniha Area, MCL. Survey of colonies for preparation of DPR for development of Smart Colonies at NCL – Nigahi & Jayant completed. Boundary Survey of proposed two sites of solar power plants in Nigahi OCP were also done. Besides these, DGPS Survey for preparation of plan, kml file of forest area/ GMJJ land/ CA land in 7 projects of CCL and 4 projects of BCCL were also completed.

## 18.0 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 & Handy Trap for in-the-hole VOD measurement, fragmentation assessment and measurement by Wip Frag software, Blast simulation by JK Simblast and High frequency Oscilloscope with high sampling rate for carrying out testing of explosives and accessories.

**Technical services rendered to different subsidiaries of Coal India Limited & outside agencies during 2019-20:**

**1. A. JOBS WITHIN CIL SUBSIDIARIES:**

**3. 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)
- ECL - tested by RI-I, CMPDIL.
- WCL - tested by Blasting cell of RI-IV, CMPDIL
- SECL - tested by Blasting cell of RI-V, CMPDIL
- NCL - tested by Blasting cell of RI-VI, CMPDIL

**2. Determination of Bench Mark Powder Factor (BMPF)**

- Blasting Division of CMPDIL (HQ)  
: 26 mines
- Blasting cell of RI-I, CMPDIL  
: 04 mines
- Blasting cell of RI-IV, CMPDIL

: 01 mines

- Blasting cell of RI-V, CMPDIL  
: 07 mines
- Blasting cell of RI-VI, CMPDIL  
: 04 mines

**3.**

**Scientific study for controlled blasting & vibration study:)**

- Blasting Division of CMPDIL (HQ) : 07 mines
- Blasting cell of RI-I, CMPDIL : 03 mines
- Blasting cell of RI-IV, CMPDIL : Nil
- Blasting cell of RI-V, CMPDIL : 02 mines
- Blasting cell of RI-VI, CMPDIL : Nil

**B. OUT-SIDE CONSULTENCY JOB DONE BY BLASTING DIVISION OF CMPDIL (HQ)**

1. Performance evaluation of explosives & accessories supplied by various manufacturers to the mines of NLC India Limited
2. Periodical Random Testing of Permitted explosives (P1 & P5) & Detonators for blasting in underground mines, BG Explosives and LDC Explosives & Accessories for use in coal blasting in OC projects of all areas of SCCL for a period of 2 years.
3. Periodical Random Testing of Bulk Explosives & Accessories in OC projects of all areas of SCCL for a period of 2 years.

**C. R&D PROJECT DONE BY BLASTING DIVISION OF CMPDIL (HQ)**

1. Working as principle-implementing agency in an R&D Project titled "Study of Techno-Commercial efficacy of ANFO



with Low Density Porous prilled Ammonium Nitrate for blasting in overburden of coal mines”.

2. Working as Sub-implementing agency in an R&D Project titled “Multiple layer trial blasting for better recovery with less diluted coal”

### **D. SPECIAL JOBS DONE BY BLASTING DIVISION OF CMPDIL (HQ)**

1. Preparation of the Technical Specifications for NIT required for procurement of explosives & accessories for all the subsidiaries of CIL (2019-21)
2. Determination of confined VOD using Data Trap-II, delay in successive shots and throw of fly rocks using high speed camera and scientific study for deep hole controlled blasting at Mohan OCM, Kanahan Area, WCL
3. Technical support/vetting of reports for RI's/CIL.

## **19.0 MINING ELECTRONICS**

CMPDIL renders services in preparing Feasibility Reports, Detailed Design Reports and Tender Documents for establishing communication network, Tele monitoring of Environmental Parameters for U/G and O/C mines. It also renders valuable services to subsidiary companies in repairing and calibration of methane gas detectors used in underground mines for safety purpose, as well as in repairing of Imported/Indigenous HEMM cards. The department has also undertaken the R&D/S&T Projects for Opencast and Underground Mines. The following jobs were completed during the year.

### **19.1 R&D/S&T Projects**

1. MoC S&T Project on – **“On-line coal dust suppression system for Open cast Mine”**- Ashoka opencast mine, CCL. –Field Trial of the system (with 5 base unit and 1 pro unit) is successfully completed.
2. MoC S&T Project on – “Indigenous development of Early Warning Radar System for Predicting Failure/Slope Instabilities in O/C Mines”- Lab Testing completed.
3. CIL R&D Project - **“Indigenous development of Through the Earth (TTE) two-way Communication system for Underground mines”**- Integrated lab testing successfully completed.

### **19.2 P&D/NIT/other jobs**

1. Revised Automation and communication system for expansion of Jhanjhra U/G Mine ECL, based on underground remote PLC/Remote I/O and IS Wi-Fi communication system.
2. Preparation of DPR for the development of mini smart city/ colonies in CIL subsidiaries.
3. Chapters on Electronics & Telecommunication for 20 Nos. of U/G and OCP for inclusion in Project Reports of different subsidiaries of CIL and outside agencies have been prepared.
4. Biometric attendance system for CMPDIL (HQ) & RIs.

### **19.3 Repairing / Calibration / Testing of Electronic Cards / Gas Monitors**

1. Repairing of new model HEMM cards-100 Nos.
2. Repairing & Calibration of Methanometers -08 Nos.





## 20.0 COAL TECHNOLOGY

Coal Characterisation Division comprises Chemical Lab & Petrography Lab. The Chemical and Petrography labs are engaged in carrying out Systematic and detailed characterization of coal at exploration stage is being carried out on routine basis for incorporation in Geological Report. Systematic characterization of raw & clean coal samples (washery products) is being carried out for ascertaining the clean coal properties along with characterization of coal samples for CBM assessment.

The Chemical Lab is carrying out tests such as proximate analysis, ultimate analysis, and gross calorific value determination. For coking coal specials tests such as free swelling index, LTGK coke type and Plastometric Tests are carried out. Ash fusion temperature range determination, HGI tests for non-coking coals are also done.

The Chemical Lab is equipped with conventional and sophisticated equipments like Microprocessor based Automatic Proximate Analyser for proximate analysis of coal/coke/lignite, Microprocessor based Automatic Bomb Calorimeter for determination of gross calorific value of coal & lignite, CHNS apparatus for determination of Carbon, Hydrogen, Nitrogen & Sulphur, AFTR instrument for Ash fusion temperature range (IDT, ST, HT & FT) of coal, Plastometer for determination of plasticity of coal and HGI apparatus for HGI determination.

The Petrography Lab is carrying out petrographic analysis such as determination of maceral composition, random reflectance (RoR%) and mean maximum reflectance % (MMR%). This study is done to determine the coal-type and coal rank of the samples. This study

is also useful for source rock evaluation for hydrocarbons, oil shales, Coalbed Methane and shale gas assessment. Mega cleat and micro cleat study for CBM assessment is also undertaken in this Lab.

The Petrography Lab is equipped with imported state-of-art equipment like Advanced Polarizing Microscope with Photometer attachment for maceral analysis and reflectance measurement, Scanning Electron Microscope with Energy Dispersive Spectrometer for micro cleat study. It also has Grinding and polishing machine, Abrasive cutting machine and Hot mounting press for preparation of coal pellets for Petrographic studies and cleat study.

### NABL Accreditation status

- ❖ The Chemical Laboratory has been awarded NABL Accreditation for 12 testing parameters as per ISO/IEC 17025:2017. Certificate No. TC6920, Dated 03.01.19. Valid from 03.01.19 to 02.01.21

### Special Achievements of Chemical Lab.

- ❖ Testing facilities provided to QSS Vizag, Meghalaya, BCCL and other private parties
- ❖ Monitoring of coal core processing and analysis done by CSIR-CIMFR laboratories.
- ❖ The Chemical Laboratory has earned a revenue of Rs. 5.0 crore value for the Financial year
- ❖ CMPDIL has entered in to MoU with IIT Kharagpur for Analysis of 6000m of coal cores in 2 years.
- ❖ 7 number of equipment including XRF, Mercury Analyser etc. are under procurement process for installation at Chemical Lab CMPDIL, Ranchi





#### Special Achievements of Petrography Lab.

- ❖ One paper titled ***"Characterization, beneficiation and carbonization study of some low volatile high rank coals and high volatile low rank coals of Damodar valley basin: Resource identification for augmentation of indigenous coking coal"*** was presented at XIX INTERNATIONAL COAL PREPARATION CONGRESS & EXPO 2019 New Delhi.
- ❖ Around 40 nos. of trainees from various organizations/institutes such as, GSI and Ranchi University, IIT Kharagpur, Punjab University, Osmania University and Aligarh Muslim University were given training on applications of Coal Petrography and hands on training on instrument for petrographic analysis.

### 21.0 MANAGEMENT SYSTEM CONSULTANCY FOR CIL & ITS SUBSIDIARIES

CMPDIL is the nodal agency for establishment, documentation, awareness training, internal auditors training, auditing supports, implementation, certification support as well as post certification support for the Management System Standards like ISO 9001, ISO 14001, ISO 50001, ISO 37001, etc.

CMPDIL with all its Regional Institutes has been recommended for renewal of license by Bureau of Indian Standards for fulfillment of the requirements of the new revised ISO 9001:2015 standard. CMPDIL is in the process of implementing ISO 37001 (Anti Bribery Management System).

Seven of our laboratories are accredited by NABL for successfully implementing ISO 17025:2005 (General requirements

for the competency of testing and calibration laboratories. The Petrography Lab of CMPDIL catering to the service of CIL & Subsidiaries is Accredited by International body ICCP.

CMPDIL with its expertise consultancy services has successfully completed the job of **"Formulation, Implementation and Certification of IMS (ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018)"** for Pakri- Barwadi Coal Mine Project NTPC.

Further during the year, CMPDIL with its in house services successfully delivered the following Jobs for CIL & its Subsidiaries: -

- (i) Upgradation of Energy Management System Standards of CIL HQ from (ISO 50001:2011 to ISO 50001:2018).
- (ii) Transition from old standard (OHSAS 2007 to ISO 45000:2018) for MCL & ECL.
- (iii) Upgradation of companywide IMS for BCCL.
- (iv) The documentation of Anti-Bribery Management System, ISO 37001:2016 along with sensitization/ awareness training to officials of BCCL.

CMPDIL, with a perspective of revenue generation in the next 10 Years has updated its earlier formulated Strategic Business Plan. Major thrust has been envisaged upon the enhancement of revenue by leveraging the existing in-house skills. Strategic Business Plan 2020 incorporates necessary measures for being competitive in the future by recommending appropriate and comprehensive strategies to be adopted for diversifying in other sectors, use of IT for building new revenue generation model and software's, adoption of knowledge management system, etc.

CMPDIL has taken a step further by revising its Risk Management Policy. The

updated policy/framework not only includes the identified Risk's & its mitigation plan, but it also includes the Risk Monitoring Plan for monitoring of the Risk That Matters.

## 22.0 MATERIAL MANAGEMENT

### 22.1 Special Achievement of 2019-20

1. The nos. of supply orders placed and their corresponding value thereof for the Financial Year 2019-20, compared to the previous FY is as under :-

	2018-19		2019-20	
	Nos. of orders	Value (in ₹ Lakh)	Nos. of orders	Value (in ₹ Lakh)
Total	144	2,919.42	185	6,481.55
MSEs	43	1,540.25	118	2,976.58

The total supply orders placed is **122% higher** than the previous year and the supply orders to **MSEs** are **93% higher** for the same period in terms of value.

2. The total value of supply order placed on Women Entrepreneur is about 12.50% of the orders on MSE for the year 2019-20 which is well above the required government mandate of 3%.
3. MM Department had organized a Special Vendor Development Meet for Schedule Caste (SC) and Schedule Tribe (ST) entrepreneurs associating the National SC-ST Hub, Ranchi (NSSHO) at the CMPDI's Koyal Hall, STC ,Ranchi on 29<sup>th</sup> Jan'2020. The program was well attended by more than 100 participants. The visiting dignitaries which included the Director MSME, Ranchi, amongst others, applauded the efforts of CMPDIL with remarks that the scale of success achieved was one of its kind by any public sector in Ranchi in the recent past.
4. Supply order of **02 nos. of Unmanned Ariel Vehicle (UAV)** has been placed on CASR, Chennai at a value of Rs. 363.35 Lakh. These UAVs are a State-of-Art equipment, fully loaded with sensors like LIDAR/Optical/Thermal etc. Once deployed these would be used in regular monitoring of volume of Overburden and Coal, generation of updated information for operational planning of mines, surveillance and many other vital operations.
5. Supply Order has been placed for **03 nos. of Terrestrial Laser Scanner (TLS) valuing Rs. 692.89 Lakh.**
6. **06 nos. of Complete Electronic Imaging Total Station (ETS) Set valuing Rs. 79.28 Lakh** has been already procured. These will strengthen functioning of Geomatics Division of CMPDIL.
7. In compliance with guidelines regarding pollution control, supply order for **12 sets of Continuous Air Ambient Quality Management System (CAAQMS) valuing Rs. 772.33 Lakh** has been successfully placed; out of which 11 sets would be installed at different location in MCL and 01 set would be installed in CMPDIL, HQ.
8. Order towards licenses for **Microsoft Project for CIL, valuing approximately 1.5 crore** were placed in record time.

The Annual Report 2020-21 of CMPDIL is also to be provided with the targeted annual year Procurement for FY 2020-21 as was done in the previous year. Moreover, this information is needed in the MSME SAMBADH portal and in the CMPDIL website under the MSE corner. In this regard, the procurement data for the previous 3 years is being produced as under:

(Figures in ₹ Cr.)

Particulars	FY: 2017-18	FY:2018-19	FY:2019-20
Total annual procurement (in value)	32.63	29.19	64.82

## 22.2 MoU Target:

The targeted annual Procurement for FY 2020-21 is Rs. 30.00 Crore out of which Rs. 9.00 Crore (approximately 30%) is estimated for procurement from MSEs, subject to participation of MSEs in the tenders being issued in the CMPDIL.”

## 23.0 HUMAN RESOURCE DEVELOPMENT

During the year 2019-20, Training/Conference/Seminar/Workshop Data of CMPDIL is as under:-

Major Area	STC	IICM	External	Foreign	Total
Managerial	801	78	40	0	919
Technical/Functional	190	52	196	15	453
Cross Functional	33	11	17	0	61
Total	1024	141	253	15	1433

Special exposures were given to our employees in the following areas:

### 23.1 Training at Staff Training College (STC)

a. Training & Development is an integral part of employee's growth. Therefore in CMPDIL an attempt has already been made to ensure that their holistic development continues throughout the years. In this regard during 2019-20 1024 employees have been trained, against the target of 1000 employees on different technical & non-technical subjects which are need based and customized, some are mentioned below :-

1. WORKSHOP ON LATEST ARC GIS TECHNOLOGY BY ESRI INDIA.
2. TRAINING ON PROGRAM ON VARIOUS ISO STANDARDS.
3. TECHNICAL SKILL DEVELOPMENT PROGRAM (GEOLOGY).
4. TRAINING ON MAPTEK VULCON 3D MINE PLANNING SOFTWARE FOR OPEN CAST.
5. TRAINING ON HANDS ON PRACTICAL TRAINING AND WORKSHOP ON INTERNET OF THING (IOT)
6. TRAINING ON FOLLOW UP DISCUSSION ON CARLSON SOFTWARE GEOLOGY.
7. TRAINING ON GST.
8. TRAINING ON DATA MINE SOFTWARE.
9. 1<sup>ST</sup> PHASE OF TRAINING ON ELECTRONIC TOTAL STATION.



10. C-INVOICING MEETING.
11. TRAINING ON NON-EXECUTIVES DEPARTMENTAL EXAMINATION
12. TRAINING ON "ONLINE EVOLUTION PROCESS OF BIDS & REPORT GENERATION FORM THE SYSTEM ON E-PROCUREMENT"
13. TRAINING ON MS PROJECT
14. TRAINING ON VARIOUS MANAGEMENT STANDARDS INTERNAL AUDITING SKILL.
15. TRAINING ON IMPLEMENTATION OF ICCS REVIEW BY EXPERT COMMITTEE

### 23.2 MoU Targets 2019-20

15 initiatives program for holistic development of women employees towards work life balance as well as developing leadership qualities has been timely conducted by HRD deptt. Continuation of Talent Management & career progression by imparting at least 1 week training of at least 5% of Executives (E0 & above) in Centre of Excellence within India e.g. IITS, IIMs, NITS, ICAI etc. has been achieved with **7.08% executives being trained in center of Excellence.**

### 23.3 Training at IICM

Every year HRD Division nominates large number of senior and middle level executives for training at IICM as per IICM's annual calendar. Nominations are being made as per the recommendation of different Head of the Divisions & Regional Directors, based on the requirement of company & customer's need. During the year 2019-20 total 141 executives have gone under such training.

### 23.4 External Training

Every year from different disciplines, executives are being sent to different reputed organizations / reputed institutions for attending Training, Conference, Workshop, and Symposium etc. related to technical/managerial skill up gradation and to be at par with the latest technical developments. This year 253 nos. of executives and non-executives have attended programs at different places in India.

Names of some institutes where our employees have been sent are as under :-

- Department of Mining Engg, IIT, Kharagpur.
- Bureau of Indian Standards, Bangalore
- CIPET, PATIA, BHUBANESWAR
- ASCI, Hyderabad.
- National Centre For Good Governance (NCGC), Mussoorie
- Jharkhand Rai University, Ranchi
- NITTTR, Chandigarh
- National Ground Water Training & Research Institute (NGWTRI) Raipur, Chhattisgarh
- AERB (Atomic Energy Regulatory Board), Mumbai
- CSIR-CMIR ,Dhanbad
- Department of Mining Engg., Vishveshvaray National Institute of Technology (VNIT), Nagpur

### 23.5 Foreign Training

During the year 2019-20, total 15 nos. of executives from CMPDIL had visited foreign countries for attending Workshops / Seminars / Conferences / Trainings / Technology Up gradation.

#### INTERNSHIP TRAINING AT CMPDIL FOR STUDENTS OF DIFFERENT INSTITUTIONS

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 252 numbers of students have been trained at CMPDIL during 2019-20. 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, HRD Division issues certificates for successful completion of Training / Project. 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.

#### APPRENTICES TRAINING AS PER APPRENTICE ACT, 1961

As per the MoU, CMPDIL has to achieve 2.5% target of average manpower of CMPDIL including contractor workers (**i.e 4516 as on 31<sup>st</sup> March'2019**). CMPDIL has engaged 132 **apprentice's which is 2.92%. This** includes various disciplines viz. Drilling, Mechanical, Civil, Computer Science, Mining etc. and are placed in different RI's & CMPDIL (HQ).

### 23.6 Skill Development

CMPDIL's nature of job involves planning and design of mines, exploratory jobs, preparation of EIA/EMP etc. CMPDIL do not own any mines, semi-skilled employees of Cat-I,II,III joined at CMPDIL since 2013 and posted at different Drilling camps, labs of Environmental / Petrography/ CBM/CT of different RI's as a part of orientation and refresher training.

Accordingly an action plan to train these employees year wise are planned and trainings are imparted from time to time as per the chart given below:-

Year	Target (in persons)	Achievement (in persons)
2016-17	120	116
2017-18	200	202
2018-19	220	222
2019-20	240	241
<b>Total</b>	<b>780</b>	



Training programs conducted for Unskilled & Semiskilled employees of CMPDIL under skill India Mission are:-

1. Training of cat-I, II & III employees for drilling camps in different RI's of CMPDIL.
2. Training of cat-I, II & III on different labs operating in CMPDIL (HQ) & RI's.
3. Training of un-skilled (cat-I) and semi-skilled (cat-II & III) on e-office.

## 24.0 OUTSIDE CIL CONSULTANCY

During the FY 2019-20, 28 outside-CIL consultancy jobs were successfully completed by CMPDIL for 21 organisations outside CIL. Some of the major clients/organizations are Ultratech Industries Ltd. NTPC Ltd., Odisha Coal & Power Ltd (OCPL), Gujarat Industries Power Company Ltd. (GIPCL), NLC India Ltd, etc.

Presently, 28 outside CIL consultancy jobs are being executed by CMPDIL for 18 organisations like NTPC Ltd., SAIL, THDC India Ltd., MOIL Ltd, Singareni Collieries Company Limited (SCCL), JSW Steel Ltd., Talcher Fertilizers Ltd., NLC India Ltd., HINDALCO Industries Ltd. etc.

During the year 2019-20, 27 outside-CIL consultancy jobs worth 27.20 crore from 21 organizations were obtained by CMPDIL which include consultancy jobs from Ministry of Coal, PSUs/Govt. Organizations and Private Companies.

## 25.0 MANPOWER AND WELFARE ACTIVITIES

### 25.1 Status of Manpower:

Particulars		As on March 31, 2019	As on March 31, 2020
Executive		892	862
Non-Executive	Monthly Rated	1018	1038
	Daily Rated	1376	1262
<b>Grand Total</b>		<b>3286</b>	<b>3162</b>

### 25.2 Welfare Activities

SL No.	Welfare Activities	Program Date	Remark (If any)
1	Celebration of AMBEDKAR JAYANTI	14 April, 2019	Garlanding on the photograph of Dr. Ambedkar. Remembrance of his vision and contribution in the growth of the Nation. Chief Guest Sri B. N. Shukla.
2	Observance of Anti-Terrorism Day On 21 <sup>st</sup> May 2019.	21 May, 2019	Pledge administered by (GM) P&A). Display of Banner & Posters.
3	Program for Sexual Harassment of Women at Workplace	27 May, 2019	
4	Observance of "World No Tobacco Day	31 May, 2019	Pledge Tobacco free office



5	Swachhta Pakhwada	16 June to 31 June, 2019	16 June to 31 June, 2019
6	Independence Day 2019	15 August, 2019	
7	CMD's Vs. Director's Football Match	15 August, 2019	
8	WIPS & Kasturi Mahila Sabha Conducted Training & Medical Camp in Acupressure for all employees at Koel Hall	21 to 25 August, 2019	21 to 25 August, 2019
9	Chai Par Charcha	In First Week of Every Month (September, 2019 to December, 2019)	
10	Run For Unity	31 October, 2019	
11	Constitution / Foundation Day	26 November, 2019	
12	Communal Harmony	27.11.2019	
13	Fun Activities for Girl Child (As per MoU Parameter)	14.12.2019	
14	New Year Celebration	1 <sup>st</sup> January, 2020	
15	A session on Mahatma Gandhi with senior student of Birsa High School	7 <sup>th</sup> January, 2020	
16	CMD's Vs. Director's Cricket Match	26 <sup>th</sup> January, 2020	

## 25.3 Major Information related to Executive Establishment for the Year 2019-20 :

Sl. No	Annual Work plan	Action taken
1	Settlement of Terminal benefits	<b>Superannuation - 47</b> <b>Deceased executives - 05</b> <b>Resigned Executives - 18</b>
2	Payment of Life Cover Scheme	04
3	Issue of medical cards under CPRMSE	57
4	Leave Encashment on Superannuation Cases receive	54
5	Settled	39
6	Under Process	15
7	Medical refer Cases	633

## 25.4 Information related to RTI during the year 2019-20:

Sl. No	Work Description	
1	Total No. of applications received	45
2	Applications disposed off during the year	42

Sl. No	Work Description	
3	Under process	03
4	Appeal received during the year	06
5	Appeal disposed off	05
6	Balance	01
7	CIC (2 <sup>nd</sup> Appeal Application received)	00
8	CIC Appeal Disposed off	00

### 25.5 Information related to CPGRAM during the year 2019-20:

SI No.	Grievances Source	Total Application received	Application Disposed Off	Balance/ Under Process
1	Local/internet	30	27	3
2	Pension	0	0	0
3	PMO	15	15	0

### 25.6 Information related to VIP reference during the year 2019-20:

SI No.	Grievances Source	Total Application received	Application Disposed Off	Balance/ Under Process
1	Local internet	9	9	0

### 25.7 Status of Pension during the Year 2019-20:

Sl. No	Total Cases received during the year	Settled	Pending		Remarks
			CMPDIL	CMPFO	
1	154	90	10	54	

### 25.8 Information related to Non-Executive employees during the year 2019-20:

Sl. No.	Annual Work Plan	Action Taken
1	Settlement of Terminal Benefits	119
2	Payment of Life Cover	21
3	Issue of Medical card Under CPRMSNE	153
4	Leave Encashment on Superannuation Cases Received	75
5	Settled	55
6	Under Process	20

### 25.9 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, 2019, "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, two departments who have done most of their official work in Hindi were awarded Chairman's Winner and Runner Shield respectively and one RI who has done most of his official work in Hindi among all RIs has also been given Chairman's winner shield by honorable Chairman-cum-Managing Director of your company. In addition, remainder participants were also awarded.

Four Hindi workshops were also organized under the aegis of Staff Training College, Human Resource Development Division to facilitate the use of Official Language "Hindi" in day-to-day Official Work. All Hindi Workshops were very much effective in removing hesitation of the employees to use Hindi in daily routine work.

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

Four 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.

### **25.10 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 2019-20 under the disclosure and information under sexual harassment to women at work place (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 - 01
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
5. Nature of action taken by the employer or District Officer with respect to the case. – The case was

disposed of with the recommendations of the internal complaints Committee as the nature of the case was more of a personal / family dispute rather than sexual harassment at workplace.

## 26.0 COAL INDIA FOUNDATION DAY CELEBRATED IN CMPDIL.

Ranchi 16<sup>th</sup> November. CMPDIL, a Mini-Ratna Company, celebrated the Coal India Foundation Day with full fervor on 16<sup>th</sup> November, 2019 at Mayuri Hall, CMPDIL. The Chief Guest of this occasion, Hon'ble Justice Shri Ajay Bhanot, Allahabad High Court in his speech said that celebration of foundation day provides an opportunity not only to celebrate but also to introspect ourselves and how development of value system, empathy and dialogue initiation within the organization can help to attain better results. Shri Bhanot also stressed that "frame work of values" in any organization is as important as corporate goals of an organization to sustain and to attain new heights.

On this occasion, Shri Shekhar Saran, CMD, CMPDIL briefed about evolution and formation of CIL & CMPDIL, rationale behind its establishment. Shri Saran highlights the achievement of CMPDIL in exploration and other areas of its operation. He gave a call for young executive to focus on innovation and to diversify the functional area and dwell into areas like IoT, artificial intelligence and data mining apart from regular services. He also reminded about the thrust area that CMPDIL is currently focusing like Coal bed methane (CBM) and Underground Coal Gasification (UGC).

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, Durgapur Camp, RI-IV,



Nagpur 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 Drill DM-1000-2 (Murpur), RI-IV, Nagpur and KR-WAIIIC-07 of Singhpur Camp, RI-V,





Bilaspur got the award for mechanical and hydrostatics drills, respectively.

For best performance in report preparation, awards were given to Shri Birendra Kumar, Chief Manager(Mining) for Opencast Report, Shri B.K. Thakur Chief Manager (Mining) for Underground Report, Shri S.N. Bohidar, GM(Geology) and his team of RI-VII, Bhubaneswar for Geological Report, Shri V.N. Dupattawala for Environmental Services; Shri Sunil Kumar Jayswal, Smt. Abha Prasad and Shri Jayant Prasad for Reclassification OF Unclassified LVMV in Infrastructural Planning; Shri S. Kundu and his team (HQ) for preparation of DPR for Development of Mini smart colonies.

Shri R.K. Singh and Shri P.K. Somani got the award for outstanding performance in 'Exploration' and 'Financial' services, respectively. Miss Sweta Rai and Miss Victoria Kujur of CMPDIL(HQ) Team got the award for outstanding performance in sports.

GM (CMP) got the award for maximum value of outside consultancy jobs obtained in 2018-19; RD, RI-VII, Bhubaneswar for Maximum growth in outside consultancy jobs in 2018-19 and RD, RI-IV, Nagpur for appreciation in outside consultancy jobs obtained in 2018-19.

Awards for Innovation in technical category were given to RI-I, Asansol team



of Shri N.P. Ghatopar and Shri Tapas Roy for implementation of integrated geophysical survey of Rajmahal Trap; Shri Thinesh Kumar for Innovation in automatic Lithology identification and interpretation of Carbaonaceous beds using ANN & WT; For designing of Coal Dashboard CMPDIL (HQ) team of Shri Sandeep Kumar, Shri Awanish Kumar and Shri Nilesh Kumar got awards in innovation category; Shri Rambabu Singh and his team of Bilaspur got award for preparation of the first Scientific model report on the ground water budgeting computations.

Under CSR, CMPDIL, Ranchi, got the award for maximum utilization of CSR Budget in 18-19 and Regional Institute-IV, Nagpur got the award for maximum expenditure in remote areas, amongst all the RIs.

Shri Abhishek Mundhra, Shri Deepanshu Sahu, Shri Atul Kumar, Shri Munna Dutta, Shri Narayan Kumar Saw, Shri Himanshu Vashista, Shri M. B. Sinha, Smt. Mamta Toppo, Tushar, Shri Pushp Raj Verma and his team of Shri Anoop Kumar Singh, Shri Dhananjay Jain, Shri Rakesh Ranjan, Shri Anil Kumar Singh, Shri Binod Kumar Mato of CMP Lab, CMPDIL (HQ); Shri LakshmidEEP, Shri Shailesh Chandra, Shri Aditya Shreshtkar got '**Special Achievement Awards**'.



Shri A. K. Mohanty, Shri Y. K. Singh, Shri Anil Savanur got the lifetime achievement award for excellent contribution in their respective fields. Additionally, Smt. Jolly Bhattacharjee, Shri Ram Prasad Adhikary, Shri Prateesh V Parolical got the 'Young Executive' awards. Moreover, Shri Om Prakash Singh, Shri Deepak Prasad, Shri Dasrath Ram, Shri Abhiram Kujur got Awards in their respective field of services in Non-Executives category.

On this occasion, Shri K. K. Mishra, Director (T/ES); Shri R. N. Jha, Director (T/RD&T); Shri A. K. Srivastav, CVO; Ex-CMDs and Directors of Coal India family, GM/HoDs, members of JCC, representatives of CMOAI, Smt. Meeta Saran, President of Kasturi Mahila Sabha and other reputed persons 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 2019-20.**

The office bearers and executive members of the newly formed "Functional Management Committee" of WIPS, CMPDIL Chapter (HQ & RI – III) as follows:

1. Coordinator/ President : Smt. Sunita Mehta, GM (P&A)
2. Addl. Coordinator/ Vice President : Smt. Vinita Arora, Sr. Manager (Env)
3. Asstt. Coordinator : Smt Suman Rastogi, Sr. Manager (Pers.)
4. General Secretary : Smt Zeba Imam, Sr. Manager (Geology)

### **27.1 Major activities conducted from April, 2019 to March, 2020:**

#### **Workshop on "Developing Assertive Skills" on 16.05.2019**

A workshop on "Developing Assertive

Skills" was organized for women employees of CMPDIL (HQ) & RI-III by WIPS, CMPDIL on 16.05.2019 at Ranchi, where assertive communication skills were taught along with informative role plays.

Dr. Sunita Singh, retired General Manager from Power Management Institute, Noida, the Apex Training Institute of NTPC and very well-known and acclaimed workshop facilitator and trainer, was the faculty of this workshop. All the participants found the workshop very enriching and it was appreciated by all.

### **27.2 Workshop on "Gender Sensitization" & "The Sexual Harassment of women at work place" (Prevention, Prohibition and Redressal) Act -2013 on 27.05.2019.**

WIPS, CMPDIL, organized a workshop on "Gender Sensitization" & "The Sexual Harassment of women at work place (Prevention, Prohibition and Redressal) Act - 2013 on 27.05.2019 at Mayuri Auditorium, CMPDIL, Ranchi.

Workshop began with the lighting of jyothi by Smt Meeta Saran, President, Kasturi Mahila Sabha, Sri R. N. Jha, Director (T/ RD&T), Sri Hemant Shrivastava, Management Consultant and Anoop Kumar Mehta, Senior Advocate, Jharkhand High court, Ranchi.

Shri Hemant Shrivastava briefly discussed about SHW-2013, gender behavior and different forms of sexual harassment like Sexual bribery, sexual coercion, sexual imposition etc.

Shri Anoop Kumar Mehta threw light on SHW-2013 mainly on Redressal Mechanism, ICC (Internal Complaints Committee) functioning, sections, definitions and chapters of SHW-2013.



Smt Meeta Saran and Sri R. N. Jha expressed their views on Gender sensitization, Gender Equality and the need to stop stereotyping based on Gender. The workshop was highly beneficial as it sensitized both genders on issues related to gender, Sexual harassment etc.

### **27.3 Workshop on “Drugless Path to Good Health**

With a view to promote the concept of self treatment and preventive management among the employees of CMPDIL for effective relief from stress-related ailments, and preventive health care for boosting the immune system, WIPS CMPDIL and Kasturi Mahila Sabha in collaboration with Acupressure Shodh, Prashikshan Evam Upchar Sansthan, Allahabad are organized a five day workshop on DRUGLESS PATH TO GOOD HEALTH, from 21.08.2019 to 25.08.2019 at Koyal Hall, CMPDIL to infuse the awareness of acupressure.

### **27.4 Health camp for Female employees**

A health camp for female employees was organized on 23.08.2019 in CMPDIL Dispensary, Ranchi. Dr. Anupama from Medanta Hospital, Ranchi was called for the said camp for general checkup of female employees which included lipid profile, diabetes detection and gynecological checkup.

### **27.5 Behavioral Skills Training Program for female executives of CMPDIL**

A training program on- “Developing Behavioral Skills” was organized at STC building, CMPDIL on 15.11.2019 and 23.11.2019 for female executives

of CMPDIL. The training program was focused on developing different behavioral skills that are required in interpersonal relationships, effective communication, engaging attitudes and productive emotions that will allow employees to work and perform well with their colleagues.

### **27.6 Therapeutic Wellness Program from 18th to 26th Nov 2019**

A therapeutic wellness program focusing on various fun therapy such as dance, music, yoga, martial arts etc. was conducted at Swarnrekha hall, STC building, CMPDIL, from 18<sup>th</sup> to 26<sup>th</sup> Nov 2019 for the female employees. The program was focused on creating awareness among the employees about their bodies, develop self-regulation skills and build resilience.

All the female employees of CMPDIL enthusiastically participated in the program and expressed the need of conducting these type of programs in future as it helps a lot in work-stress management

### **27.7 Awareness Program on Gynec related Disorder**

Under MoU parameter 2019-20 and in association of WIPS, one hour awareness program on Gynec Related Disorder was organized at Koel hall, STC building, CMPDIL for female employees on 13<sup>th</sup> December 2019. The program was conducted by Dr. Reddy's foundation for health education (DRFHE) to spread continuous health awareness among the female employees of CMPDIL.

### **27.8 Fun Activities for Girl Child**

Under MoU Parameter 2019-20, "Fun Activities for Girl Child" was conducted



in association of WIPS, CMPDIL on 14.12.2019 in HRD Class Room at L from 10.00 AM to 12.30 PM. Topic of the activities was "PLAY & LEARN". The programme was conducted by Ms. Akanksha Sinha, Self Enhancer & Soft Skill Facilitator, Doranda, Ranchi. It was a memorable & enjoyable activity for children, where they participated with full enthusiasm.

### 27.9 Free Education to the under privileged Children

WIPS CMPDIL, with an aim to bring solace to the needy, runs free of cost classes for the underprivileged children of nearby areas at Gondwana Primary School, CMPDIL campus, Ranchi. Total 30 students are being imparted free elementary education. The Classes are taken by Smt. Amita Mehta, Clerk, MT Lab CMPDIL from past 5 years.

### 27.10 An interactive session on teachings of Mahatma Gandhi

An interactive session on the teachings of Mahatma Gandhi was organized by WIPS, CMPDIL for the students of Birsa High School on 07.01.2020. The session was presided over by Smt Meeta Saran, Patroness, Birsa High School. The eminent social activist & Sr. Journalist, Sri Madhukar was the Speaker at the event. He talked to the audience about the principled childhood and life of Mahatma Gandhi & how he became one of the greatest personalities of the world.

### 27.11 Birthday celebration of female employees

With a view to improve employee engagement and boost morale of the employees, WIPS CMPDIL organizes birthday celebration on first day of every

month. All the female employees whose date of birth comes in that particular month are invited to participate in the celebration. It starts with cake cutting and refreshments. All the female employees are encouraged to share their experience in the organization and suggest ideas and ways for improving the work culture, processes etc.

### 27.12 Awards and laurel received by WIPS CMPDIL during 2019-20

WIPS CMPDIL, bagged the award of Recognition for its activities at the 30<sup>th</sup> National Meet of WIPS at Hyderabad on 12<sup>th</sup> Feb, 2020. The award was presented by Dr. Tamlisai Soundararajan, Hon'ble Governor of Telangana.





## 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.

- 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. LODHA PATEL, WADHWA & Co., Chartered Accountants, Ranchi were appointed as Statutory Auditors of the Company for the financial year 2019-20.

M/s. DGM & Associates, who were the Cost Auditors for the financial year 2019-20 were also appointed GST Auditor of the Company for the financial year 2019-20.

**ACKNOWLEDGMENT :**

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 2019-20 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

**(Shekhar Saran)**

Chairman-cum-Managing Director

Ranchi

Date: 08-06-2020



**Addendum - I**

**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 2019-20 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 2019-20**

A	Diesel Audit and Benchmarking	Diesel Consumption	Proposed Saving Potential
1.	Annual benchmarking of 14 OCPs identified by BCCL	31088 KL	1483 K Litre/yr
2.	Annual benchmarking of 30 OCPs identified by CCL	51542 KL	2490 K Litre/yr
3.	Annual benchmarking of 08 OCPs identified by ECL	29033 KL	1363 K Litre/yr
4.	Annual benchmarking of 12 OCPs identified by MCL	39190 KL	1367 K Litre/yr
5.	Annual benchmarking of 10 OCPs identified by NCL	110443 KL	5293 K Litre/yr
6.	Annual benchmarking of 03 OCPs identified by SECL	59696 KL	2861 K Litre/yr
7.	Annual benchmarking of 14 OCPs identified by WCL	63197 KL	3024 K Litre/yr
B	Electrical Energy Audit and Benchmarking studies carried during 2018-19	Proposed Investment (in ₹ lakh)	Proposed Saving Potential
1.	Electrical Energy Audit and Benchmarking of Block B OCP, NCL by CMPDI HQ	55.81	85.93 Rs. lakh/yr
2.	Electrical Energy Audit of NCL HQ by CMPDI HQ	69.47	72.55 Rs. lakh/yr
3.	Energy Audit of Moonidih U/G Project of WJ Area, BCCL by CMPDI RI-II	70	192 Rs. Lakh/yr

**(A2) Mine Illumination Report taken up by CMPDIL for the year 2019-20**

Sl No.	JOB Description	Proposed Investment (in lakh)
1.	Illumination Survey of Jayant OCP of NCL	994
2.	Illumination Survey of AKWMC Project , Katras Area of BCCL by CMPDI RI-II	53.76

**(A3) TECHNOLOGY ABSORPTION****Roof top Solar Power Plant / Solar Power Plant initiatives****Regional Institute II, Dhanbad**

- 30 kWp Solar Rooftop Power Plant has been commissioned at CMPDI RI-II in 2019-20.

**Regional Institute IV, Nagpur**

- 50 kWp Solar Rooftop Power Plant has been commissioned at CMPDI RI-IV in June-2019.
- 100 kWp Solar Rooftop Power tender for an amount of Rs. 55 lakhs has been done.
- Under CSR activities 6 kWp Rooftop Solar Power Plant installed at Jila Parisad School, Anandwan Warora (MS).

**Regional Institute V, Bilaspur**

- Installation, commissioning and testing of 100 KVP Roof Top Solar Power Plant. at office building.

**B. FOREIGN EXCHANGE EARNING AND OUTGO**

Sl.No.	Particulars	2019-20
1.	Activities relating to export, initiatives to increase export; development of new export markets for products and services and export plans	Company is not engaged in exports
2.	Total Foreign Exchange used and earned (a) Total Foreign Exchange earned (Rs. in Crore) (b) Total foreign exchange used (Rs. in Crore) (Traveling Expenses Rs. 0.32 Crore + Others Rs. 0.32 Crores + Other Capital Goods Rs. 3.86 Crores)	Rs. 0.02 Crores Rs. 4.50 Crores



**C. RESEARCH AND DEVELOPMENT AND TECHNOLOGY ABSORPTION**

- (i) An On-going S&T project titled “**Electronification of Ground Water Control and Conveyor System in Mines**” has been taken up by NLC India Limited (NLCIL), Neyveli & National Institute of Technology Tiruchirappalli (NITT), Tamilnadu. Total approved cost of the project is Rs. 179.53 lakh [ NLCIL- Rs. 113.54 lakh and NITT: Rs.65.99 lakh ]
- Under this project, an indigenously low cost high performance sensors was developed to monitor the temperature, vibration, voltage, current etc. and to provide programmable logic control (PLC) based solution for conveyor system at NCIL through RF/GPRS based wireless technology. In this project Design of suitable Fault Detection & Identification (FDI) using conventional and intelligent techniques in order to detect the different faults in advance before affecting the equipment plant.

**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. Some completed research projects have produced tangible impact on coal industry and also strengthened the mine planning, design for both operating mines and mining projects expected to come in future.

**Following research projects have been completed during 2019-20:**

**1. *Shale gas potentiality evaluation of Damodar Basin of India***

This project was executed by NGRI, Hyderabad in association with CMPDIL, Ranchi and CIMFR, Dhanbad.

Under this project, shale gas potentiality evaluation of Damodar Basin has been done through integrated geophysical, geological, geo-chemical and petro physical investigations.

**2. *Hybrid PRESRIX process for simultaneous remediation of acid mine drainage and recovery of individual metal sulphides***

This project was executed by IIT, Roorkee in association with NEC, Margherita and SCCL, Kothagudem

Under this project, Acid Mine Drainage (AMD) treatment process has been done by neutralization of the acidity in the polluted water by generating enough alkalinity and removal of heavy metals and reduction of total dissolved solid content of the AMD. Also, efforts has be made for recovering heavy metal ions sequentially from the AMD having commercial values.

**3. *An integrated geo-physical approach for tectonic study in main coal basin of Singrauli coalfield using 3D inverse modeling of Gravity, Magnetic and AMT data***

This project was executed by IIT-ISM, Dhanbad in association with CMPDIL, Ranchi

Under this project, a judicious combination of gravity, magnetic and Audio-magnetotellurics sounding methods was used for delineating the 3D earth's sub-surface structure in Main Basin of Singrauli coalfields.

Based on the interpretation of modeling results from field investigations, major outcomes are listed.

- The western region of the main coal basin has thicker of coal seams while the eastern region has thinner coal seams. The line dividing these two regions could be demarcated.
- Five probable coal seams has been delineated in central as well as eastern region, It was noticed that number of coal seams and coal amount increases towards the western from eastern region of the main coal basin.
- The sediments in general tend to have significant thickness in west of Bari-Jaria, Kunda, and Pachur hills over the Eastern region.
- A moderately deep basement between Western and Eastern region on the south of central region of the study area is identified.
- The coal seams and also sedimentary thickness decreases in north of Kukraon, Tinguri and North Talwa and Devra More, abetting the Northern edge of the E-W trending fault zone.
- The seam thickness becomes thinner and negligible at several places in the North and N-E of Eastern and Central presumably because of the presence of fracture zones. However the seam thickness and sediments in the Western region tend to continue towards south particularly as seen in the MT data.
- There exists possibility for presence of several hidden coal seams and several of tectonic features such as faults, fractures have been identified from magnetic anomaly.

#### **4. Dry beneficiation of High Ash Indian Thermal Coal**

This project was executed by NML, Jamshedpur in association with CMPDIL, Ranchi

Under this study, dry beneficiation of non-coking coals for Lakhanpur Area, Ib Valley and Hingula Areas of Talcher coalfields of MCL have been studied by air-fluidization vibrating deck separator technique to produce clean coal with 34% ash for application in thermal power plant.

Based on the pilot scale result, process flow sheets have been prepared for dry beneficiation of above coals for maximizing the recovery of washed coal (34% ash). Wet and dry beneficiation of the coal from Hingula and Lakhanpur mines of size -50+3mm and -50+6mm have been conducted at NML. It was found that results of dry beneficiation are close to the wet beneficiation. Effect of varying moisture content on dry beneficiation and its effect on separation performance has been studied under the study.

The above technology can be used to establish a washery that can run without water. The environmental issues related to water can also be eliminated.

#### **5. Seismic data processing, interpretation and identification of thin coal seams using Inverse Continuous Wavelet Transform Deconvolution (ICWT-Decon) for resource estimation**

This project was executed by Gujarat Energy Research and Management Institute (GERMI), Gandhi Nagar in association with CMPDIL, Ranchi.





The prime aim of this project was to delineate various coal seams, including thin coals, by developing a Software named ICWT-Decon. The developed software can resolve and segregate different layers of coal seams including thin coal seams for resources estimation.

The developed software can be used as add on package to the Paradigm software, Seismic Data Processing and Interpretation software, existing with CMPDIL.

**Following project deliverables to be accrued through the above research work:**

- Integrated interpretation of 2D seismic data with few boreholes for correlation will provide detailed information for converting the resources to proven category and also it will provide coal seams structures, faults, quality of coal and other information for further planning.
- The above project will bring out a workflow for effective mapping and individual coal seams cost effectively.
- The project will provide scope for accelerated exploration for coal and estimation of coal reserves with seismic and limited core wells.
- The ICWT-Decon software will be useful for CMPDIL geoscientist for enhancing the resolution to delineate individual coal seams.
- It will pave way for going ahead with close grid 2D and 3D seismic data required for exploration and exploitations of coal seams confidently.

**6. *Studies of techno-commercial efficacy of ANFO with low density porous Prilled Ammonium Nitrate for blasting overburden in Coal mines***

The project was executed by CMPDIL, Ranchi in association with DFPCL, Pune & WCL, Nagpur.

The prime objectives of this R&D project was to find out the techno-economic efficacy of ANFO explosives, with low density, porous, thermally stabilized, Prilled Ammonium Nitrate in CIL mines, vis-à-vis other conventional explosives like SME (Slurry Mixed Emulsion - column charge explosives), in terms of Powder Factor (PF), post blast analysis etc. for its tangible and intangible benefits with field trails in dry blast holes.

Based on the data analysis of the trial blasts conducted at Chandrapur OCP. The pattern and outcomes of the blasting with both ANFO and Emulsion explosive had been identified and extracted. Thereafter, the following inferences has been drawn:

- Average powder factor in case of ANFO is 2.44 and in case of SME is 1.69. This indicate that the 44.37% higher average powder factor values w.r.t SME can be achieved with the use of ANFO as an explosive for blasting. It implies that about 44.37 to 53.34% higher powder factor can be achieved using ANFO.
- It has been found that there is a saving of Rs. 0.52 to Rs. 3.77 per cubic meter with the use of ANFO explosive instead of SME. The saving will be huge as a large amount of OB has to be removed yearly for excavation of coal from opencast mines.



**7. *Assessment of applicability and performance of Ground based Interferometry Synthetic Aperture Radar (GblnSAR) in safety zoning of surface mining slopes***

The project was executed by IIT, Kharagpur in association with ECL, Sanctoria.

The prime aim of the above project was to assess the applicability and performance of Ground based Interferometric Synthetic Aperture RADAR (GblnSAR) in safety zoning of surface mining slopes on real-time basis (24x7, 365 days) including blasting times for making guidelines/ recommendations for optimum slope design and management of existing high overburden (OB) dump through R&D efforts.

The outcome of the above project will provide pre-failure indication in advance in case of real time dynamic loading, display of very slow slope movement / displacement and stress build up in the existing high overburden (OB) dumps. Sonepur Bazari Opencast project, ECL was identified for execution of the project.

**Addendum - II**

To  
The Board of Directors  
Central Mine Planning & Design Institute Limited

**CEO AND CFO CERTIFICATION**

We, Shekhar Saran, Chairman-cum-Managing Director and B. K. Pandey, 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 31<sup>st</sup> March, 2020 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 31<sup>st</sup> March 2020 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 has not been any significant changes in internal control over financial reporting during the Year ended 31<sup>st</sup> March 2020.
  - ii. There has been a change in the materiality policy. 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 Operations (net of statutory levies) as per last audited financial statement of the Company.
  - iii. We are not aware of any instance of significant fraud with involvement therein of the management or an employee having a significant internal control system over financial reporting.



(B. K. Pandey)  
(General Manager (F))



(Shekhar Saran)  
Chairman-cum-Managing Director

Addendum - III



**Surabhi Jain, ACS**  
Company Secretary

M. No. : A45022  
C. P. No. : 17016  
Email ID: [sj@way2corporates.in](mailto:sj@way2corporates.in)

**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. 38, 08, 00,000 (Rupees Thirty Eight Crores Eight Lakhs Only)

To,  
The Members,  
Central Mine Planning & Design Institute Limited  
Gondwana Place, Kanke Road  
Ranchi – 834008

We have examined the compliance conditions of Corporate Governance by **Central Mine Planning & Design Institute Limited** (the “Company”) for the year ended on **31<sup>st</sup> March, 2020**, 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, carried out, 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

Flat No. 401, Paras Apartment, Court Road, Ranchi – 834001





**Surabhi Jain, ACS**  
Company Secretary

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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 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 our Board shall not be less than 3 Directors and not more than 15 Directors. These Directors may be Whole Time Directors/Functional Directors or Official Part-Time Directors or Non-Official Part-Time Directors/Independent Directors.

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

As on 31<sup>st</sup> March, 2020, the Board of Directors of CMPDIL comprises of 10 (Ten) Directors out of which Five are Whole-time Directors including the Chairman-cum-Managing Director, Two part-time official Directors and Three part-time non-official Directors. The Board is headed by an Executive Chairman, Shri Shekhar Saran. Three Independent Directors are on the Board of the company including one Woman Director. The remaining two Independent Directors is 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 31<sup>st</sup> March, 2020 is as follows:

### I. Whole-Time Directors

#### a. Chairman-cum-Managing Director

1. Shri Shekhar Saran

#### b. Functional Directors

2. Shri Kaushlendra Kumar Mishra
3. Shri Rabindra Nath Jha
4. Shri Anil Kumar Rana
5. Shri Satendra Kumar Gomasta

### II. Part-Time Official Directors

1. Shri Binay Dayal
2. Dr. Anindya Sinha

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Company Secretary

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### III. Independent Directors

1. Dr. Krishna Chandra Pandey
2. Smt. Alka Panda
3. Shri Pramod Singh Chauhan

### IV. 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 2019-20.

Sl. No.	Number of Meeting	Dates	Day	Place of Meeting
1.	223 <sup>rd</sup>	21.05.2019	Tuesday	CIL, New Delhi
2.	224 <sup>th</sup>	29.05.2019	Wednesday	CIL, New Delhi
3.	225 <sup>th</sup>	29.06.2019	Saturday	Darjeeling
4.	226 <sup>th</sup>	29.07.2019	Monday	CIL, New Delhi
5.	227 <sup>th</sup>	18.09.2019	Wednesday	CMPDIL, Ranchi
6.	228 <sup>th</sup>	29.10.2019	Tuesday	CMPDIL, Ranchi
7.	229 <sup>th</sup>	09.11.2019	Saturday	CMPDIL, Ranchi
8.	230 <sup>th</sup>	28.12.2019	Saturday	CMPDIL, Ranchi
9.	231 <sup>st</sup>	27.01.2020	Monday	CMPDIL, Ranchi
10.	232 <sup>nd</sup>	17.03.2020	Tuesday	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.



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Company Secretary

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#### **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:

- a. Review of financial statement before submission to the Board.
- b. Periodical review of internal control system.
- c. Review of Government audit and Statutory Auditor's report.
- d. Review of operational performance vis-à-vis standard parameters.
- e. Review of projects and other capital scheme.
- f. Review of internal audit findings/ observations.
- g. Development of a commensurate and effective Internal Audit function.
- h. 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 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;

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- 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.
  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

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Company Secretary

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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.

#### **F. Composition:**

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As on 31<sup>st</sup> March, 2020 the Audit Committee 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 (w.e.f. 17.11.2019) Member (from 10.07.2019-16.11.2019)	Independent Director
2	Shri Binay Dayal	Member (w.e.f. 09.11.2017)	Official part-time Director
3	Dr. Anindya Sinha	Member (w.e.f. 09.03.2018)	Official part-time Director
4	Dr. Krishna Chandra Pandey	Member (w.e.f. 10.07.2019)	Independent Director
5	Shri Pramod Singh Chauhan	Member (w.e.f. 17.11.2019)	Independent Director
6	Shri K.K. Mishra	Member (w.e.f. 29.05.2019)	Functional Director

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 provides necessary support for holding and conducting the Audit Committee Meeting.

#### G. Details of Audit Committee meetings held in financial year 19-20:

8 (Eight) meetings were held during the financial year 2019-20 on 21.05.2019, 29.05.2019, 28.06.2019, 29.07.2019, 18.09.2019, 29.10.2019, 27.01.2020 and 17.03.2020 respectively.

#### 3. Nomination and Remuneration Committee

The Board constituted the Nomination & Remuneration Committee of CMPDIL in its 191<sup>st</sup> 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 229<sup>th</sup> Board meeting held on 09.11.2019 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 (w.e.f. 17.11.2019)	Independent Director

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2	Dr. Krishna Chandra Pandey	Member (w.e.f. 17.11.2019)	Independent Director
3	Shri Pramod Singh Chauhan	Member (w.e.f. 17.11.2019)	Independent Director
4	Dr. Anindya Sinha	Member (w.e.f. 12.05.2018)	Official part-time Director
5	Shri K.K. Mishra	Permanent Invitee(w.e.f. 17.11.2019)	Functional Director

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

**B. Details of Nomination & Remuneration Committee meetings held in financial year 19-20:**

No meeting was held during the financial year 2019-20.

**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, 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 172<sup>nd</sup> meeting held on 10.05.2013.

**A) Composition:**

As on 31<sup>st</sup> March, 2020 the CSR Committee consists of following members and is headed by a non-official part-time Director (Independent Director):

S.No.	Name of Director	Status
1	Shri Pramod Singh Chauhan	Chairman (w.e.f. 17.11.2019) Independent Director

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**Surabhi Jain, ACS**  
Company Secretary

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2	Dr. Krishna Chandra Pandey	Member (w.e.f. 17.11.2019)	Independent Director
3	Smt. Alka Panda	Member (w.e.f. 17.11.2019)	Independent Director
4	Shri K.K. Mishra	Member (w.e.f. 21.05.2019)	Functional Director
5	Shri R.N. Jha	Member (w.e.f. 17.11.2019)	Functional Director

General Manager (HRD) is the Nodal Officer of the Committee providing all services to the CSR Committee.

**B) Details of CSR Committee meeting held in financial year 19-20:**

5 (Five) meetings were held during the financial year 2019-20 on 29.05.2019, 29.07.2019, 17.09.2019, 27.01.2020, and 17.03.2020.

I further state that such compliance is neither an assurance as to the future viability of the Company, nor the efficiency or effectiveness with which the management has conducted the affairs of the Company.

**For Surabhi Jain**  
Company Secretary

(SURABHI JAIN)  
ACS No.: 45022  
C.P.No.:17016



Place: **Ranchi**  
Date: **2<sup>nd</sup> June, 2020**

Addendum - IV

LODHA PATEL WADHWA & CO.  
Chartered Accountants

AUDITOR'S REPORT

To

The Members of Central Mine Planning & Design Institute Limited

Report on the Audit of Financial Statements

Opinion

We have audited the accompanying financial statements of **Central Mine Planning & Design Institute Limited** ("the Company"), which comprise the Balance Sheet as at March 31, 2020, and the Statement of Profit and Loss (including Other Comprehensive Income), the Statement of Changes in Equity and the Statement of Cash Flows for the year then ended and a summary of the significant accounting policies and other explanatory information.

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements give the information required by the Companies Act 2013 ("the Act") in the manner so required and give a true and fair view in conformity with the the Indian Accounting Standards prescribed under section 133 of the Act read with the Companies (Indian Accounting Standards) Rules, 2015, as amended, ("Ind AS") and other accounting principles generally accepted in India, of the state of affairs of the Company as at March 31, 2020, and its profit, total comprehensive income, the changes in equity and its cash flows for the year ended on that date.

Basis for Opinion

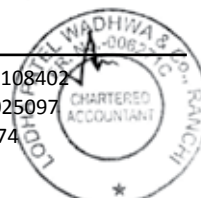
We conducted our audit of the financial statements in accordance with the Standards on Auditing specified under section 143(10) of the Company Act, 2013. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section 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 (ICAI) together with the ethical requirements that are relevant to our audit of the financial statements under the provisions of the Company Act, 2013 and the Rules made there under, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the ICAI's Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.

Key Audit Matters

This section of our auditor's report is intended to describe the matters selected from those communicated with management that, in our professional judgment were of most significance in our audit of the financial statements of the current period. These matters were addressed in the context of our audit of the financial statement as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters. We have determined that the matter described below to be the key audit matters to be communicated in our report.

S. No.	Key Audit Matter	Auditor's Response
1.	<b>Adoption of Ind AS 116</b> Ind AS 116 introduces a new lease accounting model, wherein lessees are required to recognise a right-of-use (ROU) asset at cost and a lease liability at the present value of the lease payment that are not paid at that date for all leases. Finance Charges are recognized in finance cost in the	Assessed the Company's evaluation on the identification of leases based on the contractual agreements and upon transition as at 1 April 2019: <ul style="list-style-type: none"> <li>Evaluated the method of transition and related adjustments;</li> <li>Tested completeness of the lease data by- reconciling the Company's operating lease commitments to data used in computing ROU asset and the lease liabilities.</li> </ul>

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 PATNA : 211 A, Ashiana Plaza, Budh Marg, Patna - 800001 – Tel : 0621-2223787, 2239773, Cell : 9431025097  
 RAIPUR : A-21, Ashoka Millenium, Ring Road-1, Rajendra Nagar, Raipur - 492001, Cell : 9302821474



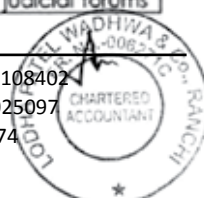


	<p>Statement of Profit &amp; Loss Account and Right of Use Assets is depreciated over the useful life of assets.</p> <p>The lease liabilities are initially measured by discounting future lease payments during the lease term as per the contract/ arrangement. Adoption of the standard involves significant judgements and estimates including, determination of the discount rates and the lease term. Additionally, the standard mandates detailed disclosures in respect of transition.</p> <p>Refer Note 2.5.1 and Other Information 5 (n) to the consolidated financial statements.</p>	<ul style="list-style-type: none"> <li>Selected samples using the statistical sampling approach. For such samples selected, we assessed the key terms and conditions of lease with the underlying lease contracts, evaluated computation of lease liabilities and challenged the key estimates such as discount rates and the lease term.</li> <li>Evaluated the appropriateness of the accounting policy, disclosures provided under the new lease standard and assessed the completeness and mathematical accuracy of the relevant disclosures, including those related to transition.</li> </ul> <p><b>Audit Conclusion:</b></p> <p>Our procedures did not identify any material exceptions.</p>
2.	<p><b><u>Evaluation of Tax Positions</u></b></p> <p>The Company operates in India and is subject to periodic challenges by local tax authorities on a range of tax matters during the normal course of business including direct tax and indirect tax matters. Estimating the income tax expense also requires the Company to determine the probability of tax authorities accepting a particular tax treatment for potential tax exposures. These involve significant judgment by the Company to determine the possible outcome of the tax litigations and potential tax exposures, consequently having an impact on related accounting and disclosures in the financial statements.</p> <p>Refer Note 2.10 to the financial statements.</p>	<p>Our audit procedures include the following substantive procedures:</p> <ul style="list-style-type: none"> <li>Obtained an understanding of key tax litigations and potential tax exposures.</li> <li>The audit team: <ul style="list-style-type: none"> <li>Read and analyzed select key correspondences and consultations carried out by the Company including with external tax experts for key tax litigations and potential tax exposures.</li> <li>Discussed with appropriate senior management, evaluated and challenged key assumptions and grounds of appeal considered by the Company in estimating the current and deferred tax balances.</li> <li>Evaluated the status of the recent tax assessments/ inquiries, results of previous tax assessments, legal precedence / judicial rulings and changes in the tax environment to assess and challenge the Company's estimate of the possible outcome of key tax litigations and potential tax exposures.</li> <li>Assessed and tested the presentation and disclosures in the financial statements relating to taxes.</li> </ul> </li> </ul> <p><b>Audit Conclusion:</b></p> <p>Our procedures did not identify any material exceptions.</p>
3.	<p><b><u>Assessment of Provisions and Contingent Liabilities</u></b></p> <p>in respect of certain litigations including direct and indirect taxes, various claims filed by other parties not acknowledged as debt.</p>	<p><b><u>Principal Audit Procedures:</u></b></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"> <li>Examining recent orders and/ or communication received from various Tax authorities/ judicial forums</li> </ul>

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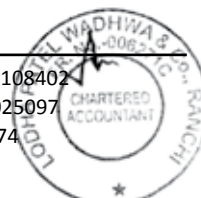
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	<p>A high level of judgment is required in estimating the level of provisioning. The company's assessment is supported by the facts of matter, their own judgment, past experience, and advice from legal and independent tax consultant wherever considered 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>Refer Note 2.14 to the Financial Statements</p>	<p>and follow up action thereon.</p> <ul style="list-style-type: none"> <li>Understanding the current status of the litigation/tax assessments</li> <li>Evaluating the merit of the subject matter under consideration with reference to the grounds presented therein and available independent legal / tax advice</li> <li>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.</li> </ul> <p><b>Audit Conclusion:</b> Our procedures did not identify any material exceptions.</p>
4.	<p><b><u>Amendment to Ind AS 19 – Employee Benefits.</u></b></p> <p>The amendments to Ind AS 19, Employee Benefits relate to effects of plan amendment, curtailment and settlement. When an entity determines the past service cost at the time of plan amendment or curtailment, it shall re-measure the amount of net defined benefit liability/asset using the current value of plan assets and current actuarial assumptions which should reflect the benefits offered under the plan and plan assets before and after the plan amendment, curtailment and settlement.</p>	<p>Our audit procedures on amendment of Ind AS 19</p> <ul style="list-style-type: none"> <li>our evaluation was exclusively based on expert's opinion who has concluded that since there no plan amendments, curtailment or settlements costs in the company, so there is no effect in the valuation report for the Amendment to Ind AS 19</li> </ul> <p><b>Audit Conclusion:</b> Our procedures did not identify any material exceptions.</p>

**Emphasis of Matter**

- (a) We draw attention to Other Information - 5 (O) (i) in the financial statements which describes that based on its review and current indicators of economic conditions, there is no significant impact on its financial results and Company will continue to closely monitor any material changes arising from future conditions and impact on its business.
- The company working is based on outsourced contracts also and any uncertainty in their operations will have adverse impact on Company's working and revenue booking. Further the future of exceptional litigation and regulatory action cannot be ruled out.
- (b) Refer Note No. 2.16.3 - "Materiality" – With effect from 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 operations (net of statutory levies) as last audited financial statement of the company.

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- (c) Refer 5 (O) (ii) – Other Information - Internal Audit for the month of Feb 2020 and March 2020 was not done due to COVID 19 and is yet to start. The company management is not foreseeing any significant impact of this on reporting of routine matters.
- (d) Refer Note 11- Other Current Assets – (Advance Payment of Statutory Dues) forming part of the financial statements includes a sum of Rs 26.70 Crs. transferred by the company as Income Tax Paid Under Protest where as this amount primarily comprise of Income Tax Refund not paid and/or Refund less paid to the company.

Our opinion is not qualified with regards to above.

**Other Information**

The Company's management and Board of Directors are responsible for the other information. The other information comprises the information included in the Company's Annual Report, but does not include the financial statements and our auditors' report thereon.

Our opinion on the 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 financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the 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.

**Management's Responsibility for the 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 financial statements that give a true and fair view of the financial position, financial performance including other comprehensive income, cash flows and changes in equity of the Company in accordance with the Indian Accounting Standards (Ind AS) prescribed under section 133 of the Act read with the Companies (Indian Accounting Standards) Rules, 2015, as amended, and other accounting principles generally accepted in India. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate 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 financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

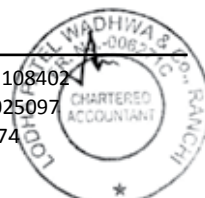
In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

The Board of Directors are responsible for overseeing the Company's financial reporting process.

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#### Auditor's Responsibility for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the 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 financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional scepticism throughout the audit.

We also:

- Identify and assess the risks of material misstatement of the 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 opinion. 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 control relevant to the audit in order to design audit procedures that are appropriate in the circumstances. Under section 143(3)(i) of the Companies Act, 2013, 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 exist, we are required to draw attention in our auditor's report to the related disclosures in the 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 financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We believe that the audit evidence obtained by us is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.

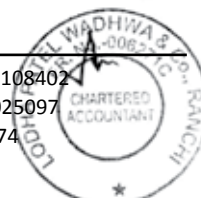
We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

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.

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From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the financial statements of the current period and are therefore the key audit matters. We describe these matters in our 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.

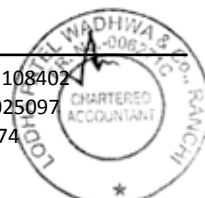
#### Report on Other Legal and Regulatory Requirements

1. As required under section 143(5) of the Companies Act 2013, we give in "Annexure 1" a statement on the Directions issued by the Comptroller and Auditor General of India after complying the suggested methodology of Audit, action taken thereon and impact on the accounts and the financial statements of the Company.
2. As required by the Companies (Auditor's Report) Order 2016 ("the Order") issued by the Central Government of India in terms of section 143(11) of the Act, we give in "Annexure 2" a statement on the matters specified in paragraph 3 and 4 of the Order.
3. As required by Section 143(3) of the Act, based on our audit 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.
  - b) in our opinion, proper books of account as required by law have been kept by the Company so far as it appears from our examination of those books.
  - c) the Balance Sheet, the Statement of Profit and Loss including Other Comprehensive Income, Statement of Changes in Equity and the Statement of Cash Flow dealt with by this Report are in agreement with the books of account.
  - d) in our opinion, the aforesaid financial statements comply with the Indian Accounting Standards prescribed under section 133 of the Act.
  - e) on the basis of the written representations received from the directors of the Company as on March 31, 2020 taken on record by the Board of Directors, none of the directors is disqualified as on March 31, 2020 from being appointed as a director in terms of Section 164(2) of the Act.
  - f) with respect to the adequacy of the internal financial controls over financial reporting of the Company and the operating effectiveness of such controls, refer to our separate Report in "Annexure 3". Our report expresses an unmodified opinion on the adequacy and operating effectiveness of the Company's internal financial controls over financial reporting.
  - g) 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 the impact of pending litigations on its financial position in its financial statements.

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material foreseeable losses, if any, on long-term contracts including derivative contracts.  
iii. As per 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.

Place : Ranchi  
Date: 09<sup>th</sup> June 2020



For Lodha Patel Wadhwa & Co.  
Chartered Accountants  
FRN 006271C

CA Sanjay Kumar Wadhwa  
Partner  
M. No. 074749

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LODHA PATEL WADHWA & CO.  
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**Annexure – 1 to the Independent Auditor's Report**

(Referred to in paragraph 1 under Report on Other Legal and Regulatory Requirements' section of our report to the Members of Central Mine Planning & Design Institute Limited even date)

**Annexure – A**

**Directions under section 143(5) of the Companies Act 2013 applicable for the financial year 2019-20 account's audit**

- i. Whether the company has system in place to process all the accounting transactions through IT system? If yes, the implication of processing of accounting transactions outside IT System on the integrity of accounts along with financial implications, if any may be stated.

**The company has system in place to process all the accounting transactions through IT system but it lacks a robust integrated system with proper internal control system in place with well defined financial controls and internal checks which is required for integration of all departments and process at Regional Institute Offices as well as at Head Quarters.**

- ii. Whether there is any restructuring of existing loan or cases of waiver /write off of debts/loans/interest etc made by the lender to the Company due to the Company's inability to repay the loan? If yes, financial impact is to be stated.

**As per information and explanation given to us, there is no restructuring of existing loan or cases of waiver /write off of debts/loans/interest etc made by the lender to the Company due to the Company's inability to repay the loan.**

- iii. Whether funds received/receivable for specific schemes from Central/State Agencies were properly accounted for /utilized as per its terms & conditions? List the cases of deviation.

**As per information and explanation given to us, funds received/receivable for specific schemes from Central/State Agencies were properly accounted for /utilized as per its terms & conditions.**

Place : Ranchi  
Date: 9<sup>th</sup> June 2020

For Lodha Patel Wadhwa & Co.  
Chartered Accountants  
FRN 006271C

CA Sanjay Kumar Wadhwa  
Partner  
M. No. 074749



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**ANNEXURE '2' TO THE INDEPENDENT AUDITOR'S REPORT**

(Referred to in paragraph 2 under 'Report on Other Legal and Regulatory Requirements' section of our report to the Members of Central Mine Planning & Design Institute Limited of even date)

**i. In respect of the Company's fixed assets:**

(a) The Company has maintained proper records showing full particulars, including quantitative details and situation of fixed assets.

(b) The Company has a program of verification to cover all the items of fixed assets in a phased manner which, in our opinion, is reasonable having regard to the size of the Company and the nature of its assets. Pursuant to the program, certain fixed assets were physically verified by the management during the year. According to the information and explanations given to us, no material discrepancies were noticed on such verification.

(c) According to the information and explanations given to us, the records examined by us and based on the examination of the conveyance deeds provided to us, we report that, the title deeds, comprising all the immovable properties of land and buildings which are freehold, are held in the name of the Company as at the balance sheet date. In respect of immovable properties of land and building that have been taken on lease and disclosed as fixed assets in the financial statements, the lease agreements are in the name of the Company.

**ii. In respect of Inventories:**

(a) According to information and explanation given to us, the company has maintained proper records of its inventories and the management has deputed an outside agency to physically verify inventory at year end. As reported to us, no material discrepancy was noticed on physical verification of stocks as compared to book records.

iii. According to the information and explanations given to us, the Company has not granted any loans, secured or unsecured, to bodies corporate, firms, Limited Liability Partnership or other parties covered in the register maintained under section 189 of the Companies Act, 2013 and therefore, the provisions of this clause 3(iii) of the Order are not applicable to the Company.

iv. In our opinion and according to the information and explanations given to us, the Company has complied with the provisions of Sections 185 and 186 of the Act in respect of grant of loans, making investments and providing guarantees and securities, as applicable.

v. According to the information and explanations given to us, the Company has not accepted deposits during the year and does not have any unclaimed deposits as at March 31, 2020 and therefore, the provisions of this clause 3(v) of the Order are not applicable to the Company.

vi. According to the information and explanations given to us, the maintenance of cost records has been specified by the Central Government under section 148(1) of the Companies Act, 2013 for the business activities carried out by the Company and such records have been maintained by the Company.

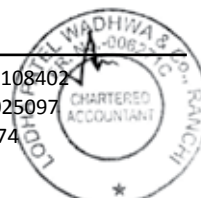
**vii. According to the information and explanations given to us, in respect of statutory dues:**

(a) The Company has generally been regular in depositing undisputed statutory dues, including Provident Fund, Income Tax, Sales Tax, Service Tax, Goods and Service Tax, Value Added Tax, Customs Duty, Excise Duty, Cess and other material statutory dues applicable to it with the appropriate authorities.

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(b) There were no undisputed amounts payable in respect of Provident Fund, Income Tax, Sales Tax, Service Tax, Value Added Tax, Goods and Service Tax, Customs Duty, Excise Duty, Cess and other material statutory dues in arrears as at March 31, 2020 for a period of more than six months from the date they became payable.

(c) Details of dues of Income Tax, Sales Tax, Service Tax, Excise Duty and Value Added Tax, Goods and Service Tax, Customs duty, Excise duty, cess and other material dues which have not been deposited as at March 31, 2020 on account of dispute are given in Annexure – 2 A

viii. According to the information and explanations given to us, the Company has not taken any loans or borrowings from financial institutions, banks and government or has not issued any debentures. Hence reporting under clause 3 (viii) of the Order is not applicable to the Company.

ix. According to the information and explanations given to us, the Company has not raised moneys by way of initial public offer or further public offer (including debt instruments) or term loans and hence reporting under clause 3 (ix) of the Order is not applicable to the Company.

x. To the best of our knowledge and according to the information and explanations given to us, no fraud by the Company or no material fraud on the Company by its officers or employees has been noticed or reported during the year.

xi. In our opinion and according to the information and explanations given to us, the Company has paid/provided managerial remuneration in accordance with the requisite approvals mandated by the provisions of section 197 read with Schedule V to the Act.

xii. In our opinion and according to information and explanation given to us, the Company is not a Nidhi Company and hence reporting under clause 3 (xii) of the Order is not applicable to the Company.

xiii. In our opinion and according to the information and explanations given to us, the Company is in compliance with Section 177 and 188 of the Companies Act, 2013 where applicable, for all transactions with the related parties and the details of related party transactions have been disclosed in the financial statements as required by the applicable accounting standards.

xiv. According to the information and explanations given to us, the Company has not made any preferential allotment or private placement of shares or fully or partly paid convertible debentures and hence reporting under clause 3 (xiv) of the Order is not applicable to the Company.

xv. In our opinion and according to the information and explanations given to us, during the year the Company has not entered into any non-cash transactions with its Directors or persons connected to its directors and hence provisions of section 192 of the Companies Act, 2013 are not applicable to the Company.

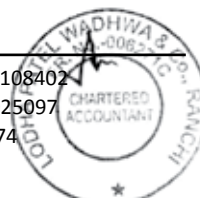
xvi. The Company is not required to be registered under section 45-IA of the Reserve Bank of India Act, 1934.

For Lodha Patel Wadhwa & Co.  
Chartered Accountants  
FRN 006271C

CA Sanjay Kumar Wadhwa  
Partner  
M. No. 074749

Place: Ranchi  
Date: 9<sup>th</sup> June 2020

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**Annexure – 2 A" to the Independent Auditor's Report**

(Referred in Annexure – 2 paragraph vii(c) under 'Report on Other Legal and Regulatory Requirements' section of our independent report to the Members of Central Mine Planning & Design Institute Limited even date)

Nature of the Statute	Nature of Dues	Forum where Dispute is Pending	Pending Period to which the Amount Relates	Amount (in Crores)
Income Tax Act, 1961	Disallowances of prior period expenses.	CIT(A)	A.Y 2008-2009	0.61
Income Tax Act, 1961	Disallowances of prior period expenses	CIT(A)	A.Y 2009-2010	0.60
Income Tax Act, 1961	Disallowances of prior period expenses	CIT(A)	A.Y 2010-2011	0.71
Income Tax Act, 1961	Disallowance of prior period expenses.	ITAT	A.Y 2011-2012	0.12
Income Tax Act, 1961	Disallowance of CSR, Medical Expenses and profit from sale of asset.	ITAT	A.Y 2012-2013	1.04
Income Tax Act, 1961	Disallowances of CSR Expenses.	ITAT	A.Y 2013-2014	0.51
Income Tax Act, 1961	Disallowances of CSR Expenses.	ITAT	A.Y 2014-2015	0.69
Income Tax Act, 1961	Disallowance of Medical expenses, grants to School & institutions, Sports & Recreation and Environment & Tree Plantation	CIT(A)	A.Y 2016-17	1.19
Income Tax Act, 1961	Disallowance of CSR, Provision for NCWA, Medical expenses, grants, canteen, crech and other employee benefits	CIT(A)	A.Y 2017-18	31.67
Service Tax Act	Demand of arrear of Service Tax Interest and Penalty	Jharkhand High Court	A.Y 1999-2005	5.05
Service Tax Act	Demand of arrear of Service Tax Interest and Penalty	Jharkhand High Court	A.Y 1998-1999	3.82
Service Tax Act	Order dated: 28.01.2019 issued by Dy. Comm ,CGST for payment of Penalty of Rs.0.02	Commissioner (Appeal)	A.Y 2015-18	0.02



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Chartered Accountants

### **ANNEXURE "3" TO THE INDEPENDENT AUDITOR'S REPORT**

(Referred to in paragraph 3(f) under 'Report on Other Legal and Regulatory Requirements' section of our report to the Members of **Central Mine Planning & Design Institute Limited** even date)

### **Report on the Internal Financial Controls Over Financial Reporting under Clause (i) of Sub-section 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 March 31, 2020 in conjunction with our audit of the financial statements of the Company for the year ended on that date.

### **Management's Responsibility for Internal Financial Controls**

The Board of Directors of the Company 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. 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, 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.

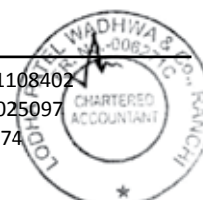
### **Auditor's Responsibility**

Our responsibility is to express an opinion on the internal financial controls over financial reporting of the Company 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") issued by the Institute of Chartered Accountants of India and the Standards on Auditing prescribed under Section 143(10) of the Companies Act, 2013, to the extent applicable to an audit of internal financial controls. 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 the auditor's judgement, including the assessment of the risks of material misstatement of the 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 of the Company.

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#### 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 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 financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorisations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorised acquisition, use, or disposition of the company's assets that could have a material effect on the 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 March 31, 2020, 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.

Place: Ranchi  
Date: 9<sup>th</sup> June 2020

For Lodha Patel Wadhwa & Co.  
Chartered Accountants  
FRN 006271C



CA Sanjay Kumar Wadhwa  
Partner  
M. No. 074749





## Addendum - V



# SATISH KUMAR & ASSOCIATES

(COMPANY SECRETARIES)

## SECRETARIAL AUDIT REPORT

For The Financial Year Ended March  
31<sup>st</sup>, 2020

[Pursuant to Section 204(1) of the Companies Act, 2013 and Rule No. 9 of the Companies Appointment and Remuneration of Managerial Personnel) Rules, 2014]

### Satish Kumar & Associates

Company Secretaries

Flat No. 201, 2<sup>nd</sup> Floor, Urmila Apartment,  
Uddhav Babu Lane, Tharpakhna,  
Ranchi- 834001

Ph:-09334606570/ 09135009905/ 0651-2212943

E-Mail:-

[cssatish26@gmail.com](mailto:cssatish26@gmail.com)/[skaranchioffice@gmail.com](mailto:skaranchioffice@gmail.com)

PAN:-ADGFS8830H

To,  
The Members,  
Central Mine Planning & Design Institute Limited,  
Gondwana Place, Kanke Road, Ranchi-834008

We have conducted the Secretarial Audit of the compliance of applicable statutory provisions and the adherence to good corporate practices by M/s 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 conducts/statutory compliances and expressing our opinion thereon. In spite of lockdown due to pandemic COVID-19 wherever possible we have physically inspected the requisite books & papers.

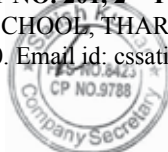
Based on our verification of the Company's books, papers, minute books, forms and return filed and other records maintained by the Company and also the information provided by the Company, its officers, agents and authorized representatives during the audit period from April 01, 2019 to March 31, 2020 Complied with the statutory provisions listed hereunder 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 hereinafter.

We have examined the registers, records, books and papers of M/s Central Mine Planning & Design Institute Limited ("the Company") for the Financial Year ended on 31<sup>st</sup> March, 2020 according to the provisions of:

1. The Companies Act, 2013 and the Rules made there under.
2. Secretarial Standards 1 and 2 issued by the Institute of Company Secretaries of India.
3. The Depositories Act, 1996.
4. The SEBI (Listing Obligations & Disclosure Requirements) Regulations, 2015.

URMILA APARTMENT, FLAT NO. 201, 2<sup>ND</sup> FLOOR, UDDHAV BABU LANE  
NEAR ST. ANNE'S GIRLS HIGH SCHOOL, THARPAKHNA, RANCHI, JHARKHAND  
Contact No: 0651 – 2212943, 09334606570. Email id: [cssatish26@gmail.com](mailto:cssatish26@gmail.com), [csservices26@gmail.com](mailto:csservices26@gmail.com)



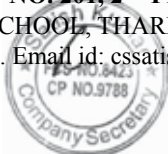


## SATISH KUMAR & ASSOCIATES

(COMPANY SECRETARIES)

5. Guidelines on Corporate Governance for Central Public Sector Enterprises, issued by Department of Public Enterprises vide their OM No. 18(8)/2005-GM dated 14th May, 2010.
  6. Contract Labour (Regulation and Abolition) Act, 1970.
  7. The Sexual Harassment Of Women At Workplace (Prevention, Prohibition And Redressal) Act, 2013
  8. The Environment (Protection) Act, 1986 and other environmental laws and rules framed thereunder.
  9. Other Acts and Laws as applicable on the Company. (Refer Annexure-I in this regard).
- I.** In our opinion, based on the examination carried out by us, verification of records produced to us and according to the information furnished to us by the Company and Officers, the Company has complied with the provisions of the Companies Act, 2013 ("the Act") and Rules made under the Act, the Memorandum and Articles of association of the Company, subject to the provisions as stated specifically herein; 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:
1. Maintenance of various statutory registers and documents and making necessary entries therein.
  2. Form of Balance Sheet as prescribed under Part I, form of Statement of Profit and Loss as prescribed under Part II and general instructions for preparation of the same as prescribed in Schedule III to the Act.
  3. Composition of the Board of Directors with an adequate balance of Executive, Non-Executive & Independent Director including Women Director during the period under review.
  4. Registered Office and publication of the name of the Company.
  5. Filing of requisite forms and returns with the Registrar of Companies, Ranchi, Jharkhand within the time prescribed under the Act and the rules framed there under.
  6. Convening and holding of the Meetings of Board of Directors and Committees thereof.
  7. Convening and holding of 44<sup>th</sup> Annual General Meeting of the Members on Friday, 28<sup>th</sup> June, 2019.
  8. Maintenance of Minutes of the proceedings of the Annual General Meeting, Extra-ordinary General Meeting, Board Meetings and Meetings of

URMILA APARTMENT, FLAT NO. 201, 2<sup>ND</sup> FLOOR, UDDHAV BABU LANE  
 NEAR ST. ANNE'S GIRLS HIGH SCHOOL, THARPAKHNA, RANCHI, JHARKHAND  
 Contact No: 0651 - 2212943, 09334606570. Email id: cssatish26@gmail.com, csservices26@gmail.com





## SATISH KUMAR & ASSOCIATES

(COMPANY SECRETARIES)

Committees of the Board, properly recorded in loose leaf form, which are being bound in a book form at regular intervals.

9. Payment of Remuneration to Directors.

10. Appointment and Remuneration of Statutory Auditors, Internal Auditors and Cost Auditors.

11. Composition and terms of reference of the Audit Committee and Nomination & Remuneration Committee.

12. Service of Documents by the Company on its Members and Auditors.

13. Undertaking of all the compliances with regard to filling of the various Statutory Returns, maintenance of Registers of Contractors, etc as prescribed under Contract Labour (Regulation and Abolition) Act, 1970, and all other applicable Labour Laws based on the certificates received from the concerned officials.

2. Directors have disclosed their Shareholdings and Directorships in other companies and interests in other entities as and when required and their interests have been noted and recorded by the Board.

3. The Directors have complied with the disclosure requirements in respect of their eligibility of appointments, their being independent and compliance with the Code of Conduct of Directors and Senior Management Personnel.

4. There was no prosecution initiated and no fines or penalties were imposed on the Company, its Directors and Officers, during the period under review.

5. No compliances of any nature are pending with the company based on the compliance mechanism established by the company and on the basis of the Compliance Certificate(s) & other certificate issued by the Company Secretary, Compliance Officer of the Company and other Departmental Heads of the Company.

### MANAGEMENT'S RESPONSIBILITY

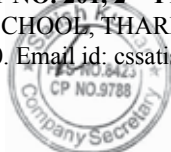
#### II. We further report that

1. The Headquarter & all the regional office has constituted the Internal Complaint Committee under The Sexual Harassment of Women at Workplace (Prevention, Prohibition And Redressal) Act, 2013.

1. Maintenance of Secretarial Records 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 the processes as are appropriate to obtain

URMILA APARTMENT, FLAT NO. 201, 2<sup>ND</sup> FLOOR, UDDHAV BABU LANE  
NEAR ST. ANNE'S GIRLS HIGH SCHOOL, THARPAKHNA, RANCHI, JHARKHAND  
Contact No: 0651 – 2212943, 09334606570. Email id: cssatish26@gmail.com, csservices26@gmail.com







## SATISH KUMAR & ASSOCIATES

(COMPANY SECRETARIES)

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 followed by us provide a reasonable basis to form our opinion.

3. We have examined the financial records in line of the compliances of the Companies Act.
4. Wherever required, we have obtained the Management Representation/Certification about the compliance of laws, rules and regulations, happening of events, etc.
5. The compliance of the provisions of Corporate Governance and other applicable laws, rules, regulations, standards is the responsibility of management. Our examination was limited to the verification of procedure on test basis.
6. 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.

books of account of the Company.

2. Wherever required, we have obtained the Management Representation about the compliance of aforesaid Laws, Rules, Regulations, Standards, Guidelines and happening of events etc.

For Satish Kumar & Associates

  
**Satish Kumar**  
 Company Secretary

FCS No.: 8423  
 C.P. No.: 9788

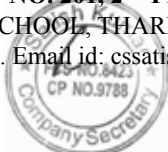
Place: **Ranchi**  
 Date: **2<sup>nd</sup> June, 2020**  
 UDIN: **F008423B000310725**



### Disclaimer:-

1. We have not verified the correctness and appropriateness of financial records and

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 NEAR ST. ANNE'S GIRLS HIGH SCHOOL, THARPAKHNA, RANCHI, JHARKHAND  
 Contact No: 0651 – 2212943, 09334606570. Email id: cssatish26@gmail.com, csservices26@gmail.com



## Annexure-I

List of Other Laws

S.No.	Name of the Act / Rules/ Regulations	Applicability on Company	Status of Compliance
1.	The Coal Mines Act, 1952.	Applicable	Complied
2.	The Payment of Wages (Mines) Rules, 1956.	Applicable	Complied
3.	Coal Mines Provident Fund and Miscellaneous Provisions Act, 1948	Applicable	Complied
4.	The Payment of Undisbursed Wages (Mines) Rules, 1989	Applicable	Complied
5.	Indian Electricity Act, 2003 and the Indian Electricity Rules, 1956	Applicable	Complied
6.	The Water (Prevention & Control of Pollution) Act, 1974 and Rules made thereunder	Applicable	Complied
7.	The Air (Prevention & Control of Pollution) Act, 1981.	Applicable	Complied
8.	Indian Explosives Act, 1884.	Applicable	Complied
9.	Securities Contract Regulation Act, 1956	Not Applicable	N.A
10.	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;	Not Applicable	N.A
11.	Regulations and Guidelines prescribed under the Securities and Exchange Board of India Act, 1992		
	a. The SEBI (Issue of Capital & Disclosure Requirement) Regulations, 2009	Not Applicable	N.A
	b. The SEBI (Substantial Acquisition of Shares and Takeover) Regulations, 2011	Not Applicable	N.A
	c. The SEBI (Share Based Employee Benefits) Regulations,		





	2014.	Not Applicable	N.A
	d. The SEBI ( Issue & Listing of Debt Securities) Regulations, 2009.	Not Applicable	N.A
	e. The SEBI ( Delisting of Equity Shares ) Regulations, 2009.	Not Applicable	N.A
	f. The SEBI ( Buyback of Securities) Regulations, 1998	Not Applicable	N.A
12.	Colliery Control Order, 2000 and Colliery Control Rules, 2004.	Not Applicable	N.A
13.	The Coal Mines Regulations, 2017.	Not Applicable	N.A
14.	Coal Mines Pension Scheme, 1998.	Not Applicable	N.A
15.	Coal Mines Conservation and Development Act, 1974.	Not Applicable	N.A
16.	The Mines Vocational Training Rules, 1966.	Not Applicable	N.A
17.	The Mines Creche Rules, 1961.	Not Applicable	N.A
18.	The Mines Rescue Rules, 1985.	Not Applicable	N.A
19.	Coal Mines Pithead Bath Rules, 1946	Not Applicable	N.A
20.	Maternity Benefit (Mines and Circus) Rules, 1963	Not Applicable	N.A
21.	The Explosives Rules, 2008.	Not Applicable	N.A
19.	Mineral Concession Rules, 1960	Not Applicable	N.A
22.	Mines and Minerals (Development and Regulation) Act, 1957	Not Applicable	N.A
23.	The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016	Not Applicable	N.A
24.	Public Liability Insurance Act, 1991 and Rules made thereunder.	Not Applicable	N.A

~END~



**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
<b>1.</b>	<b>Details of contracts or arrangement or transactions not at arm's length basis</b>	<b>NIL</b>
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	
<b>2.</b>	<b>Details of material contracts or arrangement or transactions at arm's length basis</b>	<b>As per Annexure -A</b>
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 31.03.2020.**

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.

(Rs. in Crore)

<b>Name of the Company</b>	<b>Amount of transactions during the year</b>	<b>Nature of Transactions</b>
Eastern Coalfields Limited	98.11	Sales
Bharat Coking Coal Limited	63.99	Sales
Central Coalfields Limited	110.21	Sales
Western Coalfields Limited	121.41	Sales
South Eastern Coalfields Limited	370.63	Sales
Northern Coalfields Limited	73.28	Sales
Mahanadi Coalfields Limited	67.32	Sales
Coal India Limited (CIL) (100% Holding Company)	12.27	Sales
<b>Grand Total</b>	<b>917.22</b>	

**Addendum - VII**

**ANNEXURE FORMING PART OF DIRECTORS' REPORT FOR THE YEAR ENDED 31.03.2020 - 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	Designation/nature of work	Remuneration During the year (Rs.)	Nature of employment Permanent / temporary	Qualification	Experi-ence (yrs.)	Date of commencement	Age on 31 <sup>st</sup> 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**



सत्यमेव जयते

**GOVERNMENT OF INDIA  
INDIAN AUDIT AND ACCOUNTS DEPARTMENT  
OFFICE OF THE DIRECTOR GENERAL OF AUDIT (COAL)  
OLD NIZAM PALACE, 234/4, A. J. C. BOSE ROAD,  
KOLKATA-700020**



सर्वकारियं सार्वभौमम्  
Dedicated to Truth in Public Interest

No. 300/CA/CCL/A. A/cs/CMPDIL/2019-20/

Dated: 16 July 2020

To  
The Chairman-cum-Managing Director  
Central Mine Planning & Design Institute Limited  
Gondwana Place, Kanke Road  
Ranchi – 834 031.

**Sub: 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 2020.**

Sir,

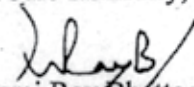
I forward herewith the comments of the Comptroller and Auditor General of India under Section 143 (6)(b) of the Companies Act, 2013 on the financial statements of Central Mine Planning & Design Institute Limited for the year ended 31 March 2020.

The receipt of this letter may please be acknowledged.

Encl.: As stated.

Place: Kolkata  
Dated: 16 July 2020

Yours faithfully,

  
(Mausumi Ray Bhattacharyya)  
Director General of Audit (Coal)  
Kolkata



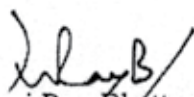


**COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA  
UNDER SECTION 143(6)(b) OF THE COMPANIES ACT, 2013 ON THE FINANCIAL  
STATEMENTS OF CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED  
FOR THE YEAR ENDED 31 MARCH 2020.**

The preparation of financial statements of Central Mine Planning & Design Institute Limited for the year ended 31 March 2020 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 auditors 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 09 June 2020.

I, on behalf of the Comptroller and Auditor General of India, have conducted a supplementary audit under section 143(6)(a) of the Act of the financial statements of Central Mine Planning & Design Institute Limited for the year ended 31 March 2020. 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 audit nothing significant has come to my knowledge which would give rise to any comment upon or supplement to statutory auditors' report.

For and on behalf of the  
Comptroller and Auditor General of India

  
(Mausumi Ray Bhattacharyya)  
Director General of Audit (Coal)  
Kolkata

Place: Kolkata  
Date: 16 July 2020



## **Addendum - IX**

### **Annual Report on Corporate Social Responsibility (CSR)**

#### **CSR initiatives 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, and environment protection, promotion of green and energy efficient technologies, development of backward regions, and upliftment of the marginalized and underprivileged sections of the society. The company has its own CSR policy inline of Section 135 of Companies Act, 2013 and the rules made there under.

#### **CSR & Sustainability Activities of CMPDIL (2019-20):**

**Introduction:** Corporate Social Responsibility (CSR) is widely recognized as an important means to promote sustainable development and inclusive growth. Corporates are now widely judged by the stakeholders and the society at large by the initiatives taken to address sustainability issues. Public sector Enterprises (PSEs) have played a vital role in socio economic development of the country. Corporate Social Responsibility facilitates integration of Social, Environmental and Ethical responsibilities into the governance for a long lasting profitability and sustainability. Today, it is imperative for the corporate to move faster towards CSR and develop the communities in which they operate, grow and flourish to stay afloat. 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 underprivileged sections of the society. CMPDIL

CSR projects are undertaken in and around the areas of operations which includes drilling camps spread across seven states of the country to cater to the needs of the affected community for their development and wellbeing.

### **Corporate Social Responsibility (CSR) Policy of CMPDIL**

#### **I. PREAMBLE**

The concept of Corporate Social Responsibility has gained prominence from all avenues. Organizations have realized that Govt. alone will not be able to get success in its endeavor to uplift the downtrodden of Society. With the rapidly changing corporate environment, more functional autonomy, operational freedom etc. CMPDIL has adopted CSR as a strategic tool for sustainable growth. For CMPDIL in the present context, CSR means not only investment of funds for Social Activity but also Integration of Business processes with Social processes.

#### **II. INTRODUCTION**

The drilling camps of CMPDIL and its Regional Institutes are located in different parts of the country spread in 8 States and relatively in isolated areas with little contact to the outside society. **The primary beneficiaries of CMPDIL CSR would be those staying in the local area and areas around where CMPDIL is operating its works.**

In the aforesaid backdrop, policy on Corporate Social Responsibility of CMPDIL has been framed after incorporating the features of the Companies Act 2013 and as per notifications issued by Ministry of Corporate Affairs, Govt. of India from time to time as well as DPES guidelines and broadly covers the following: -

- a) Welfare measures for the community at large, so as to ensure the poorer section of the Society derived the maximum benefits.
- b) Contribution to the society at large by way of social and cultural development, imparting

education, training and social awareness especially with regard to the economically backward class for their development and generation of income to avoid any liability of employment.

- c) Protection and safeguard of environment and maintaining ecological balance.

### III. OBJECTIVE

The main objective of CMPDIL CSR policy is to lay down guidelines for CMPDIL to make CSR a key business process for sustainable development of the Society integrated with our business policy. It aims at supplementing the role of the Govt. in enhancing welfare measures of the society based on the immediate and long term social and environmental consequences of their activities. **CMPDIL will act as a good Corporate Citizen working towards upliftment of society and social equity.**

### IV. AREAS TO BE COVERED

- **For carrying out CSR activities, preference will be given to the local area and areas around the CMPDIL Project Site/Drilling Camp/Regional Institute/ HQ.**

### V. ALLOCATION OF FUND

The fund for the CSR should be allocated based on minimum 2% of the average net profit of the Company for the three immediate preceding financial years or as per the Amendments in Companies Act, 2013.

### VI. SCOPE

The scope of CSR activities shall be in 'Areas' or 'Subjects' as specified in Schedule-VII are:

- i) **Promoting Healthcare and Sanitation:** Eradicating hunger, poverty and malnutrition, promoting preventive health care and sanitation and making available safe drinking water. Promoting facilities and care for communicable, stigma and discrimination based diseases such as AIDS, leprosy, TB, etc.
- ii) **Promoting education:** Promoting inclusive education including special education and employment enhancing vocation skills especially among children, women, elderly and differently abled and livelihood enhancement projects.
- iii) **Reducing Inequality:** Promoting gender equality, empowering women, setting up homes, hostels, day care centers and other facilities for women, orphans, senior citizens, Disabled and measures for reducing inequalities faced by socially and economically backward groups.
- iv) **Sustainable environment:** Ensuring environmental sustainability, ecological balance, protection of flora and fauna, animal welfare, agro-forestry, conservation of natural resources, maintaining quality of soil, air and water, support a precautionary approach to environment challenges, undertake initiatives to promote greater environmental responsibility and encourage the development and diffusion of environmentally friendly technologies.
- v) **Protection & Promotion of national heritage and traditional arts:** Protection of national heritage, art and culture including restoration of buildings and sites of historical importance and works of art: setting up public libraries, promotion and development of traditional arts and handicrafts.
- vi) Measures for the benefit of armed forces veterans, war widows and their dependents.
- vii) **Promotion of Sports:** Training, promotion and development of rural sports, nationally recognized sports, Paralympics sports and Olympic sports for children, youths, disabled & tribal.
- viii) **Contributions to Funds and emergency needs:** Contribution to the Prime Ministers National Relief Fund or any other fund set up by the central government for socio-economic development and relief and welfare of scheduled castes, the scheduled



tribes, other backward classes, minorities and women.

- ix) Contribution or funds provided to technology incubators located within academic institution which are approved by Central Government.
- x) Rural development projects.
- xi) Slum Development projects.

## VII. IMPLEMENTATION

- a) The investment of CSR should be project/ activity based and for every project time framed periodic mile stones should be finalized at the outset.
- b) Project /activities identified under CSR are to be implemented directly (internal resources) or by specialized agencies. Specialized agencies could be made to work singly or in tandem with other agencies. Specialized agencies would include:
  - i. Community based organization whether formal or informal.
  - ii. Elected local bodies such as Panchayats.
  - iii. Voluntary Agencies (NGOs).
  - iv. Institutes/ Academic Organizations.
  - v. Trusts, Mission etc.
  - vi. Self-help groups.
  - vii. Government, Semi-Government and Autonomous Organizations.
  - viii. Standing Conference of Public Enterprises (SCOPE)
  - ix. Mahila Mandals/Samitis and the like.
  - x. Contracted agencies for civil works.
  - xi. Professional Consultancy Organization etc.

## VIII. INSTITUTIONAL ARRANGEMENT

1. **CSR Committees and their Roles:** Three levels of CSR committees would be functional in CMPDIL namely:

- i. **CSR Board Level Committee:** The CSR Board Level Committee will consist of three or more Directors out of which at least one Director shall be Independent Director.

The projects/activities proposed by CSR Apex Committee will be put up before CSR Board Level Committee for recommendation of the proposals along with the proposed financial expenditure for approval of CMPDIL Board.

The CSR Board Level committee will be appraised of the progress of CSR projects/activities from time to time.

The CSR Board Level committee shall recommend the amount of proposed expenditure to be incurred in case of fresh proposals for CSR activities.

- ii. **CSR Apex Committee at HQ level:** It will comprise of HoDs of HRD, TE&CM, Finance, Environment and Exploration or their representatives' along with other invitees and will be headed by Nodal Officer, CSR, HQ.

The Apex Committee will decide the priority of the activities to be undertaken in CSR for placing before the CSR Board Level Committee. The Apex Committee will review the progress of projects/ activities undertaken/completed from time to time and report the same to the competent authority.

- iii. **CSR Sub Committee** at each Regional Institute shall comprise of HoDs of P&A, Civil, Finance, Environment and Exploration or their representatives and other invitees and will be headed by Regional Director.

The CSR Sub Committee shall initially screen the project proposals received and send the selected proposals to CSR Apex Committee at HQ level.

2. **The CSR Apex committee at HQ and CSR Sub Committee at RIs will be responsible**





**for identification and implementation of projects/activities which involve the following:-**

- The Committee will interact with different nearby villagers, communities, local Authorities/Local Bodies, organizations to identify the community development needs of the peripheral areas to and recommend the projects/activities which are to be taken under CSR.
- In case where there are chances of duplicity of projects/activities; the above mentioned Committees will also interact with the concerned State Officials/ Govt. officials to confirm the areas for undertaking projects/activities under CSR activities to avoid duplicity of the job.

The CSR cell, HQ should be headed by Senior Executive as Nodal Officer. The finalized CSR action plan along with budget requirement of all the Regional Institutes should be sent to CSR Cell, HQ. The consolidated CSR plans of the Regional Institutes & HQ should be placed before the CSR Apex Committee. All the proposals received/ plans chalked out will then be scrutinized by the CSR Apex Committee.

The recommendations would further be submitted before the CSR Board level Committee for recommendation before approval from the CMPDIL Board.

### **3. Delegation of Power (DOP) for according approval of any CSR project proposal:**

- a. In case CSR budget of any Regional Institutes is exhausted, the Regional Director may refer the particular CSR activity/ project/programme to CMPDIL HQ which are considered to be emergent/ important by the concerned Regional Director; further to be put up before CSR Board Level Committee.
- b. In case any new CSR project/activity is proposed other than CSR projects/ activities approved by the CMPDIL

Board for the FY upto Rs. 25 lakhs, such projects/activities may be approved by the CMD on the recommendation of CSR Board Level Committee. For the proposals of more than Rs. 25.00 Lakhs, approval of the CMPDIL Board will be required on the recommendation of CSR Board Level Committee.

## **IX. BASE LINE SURVEY & DOCUMENTATION**

- a) Keeping in view the DPEs guidelines baseline survey is not insisted upon in every case and flexibility would be granted to opt other methods including use of in house expertise and resources for need assessment studies.
- b) Meticulous documentation relating to CSR approaches, policies, programmes, expenditures should be prepared and put in the Public Domain.

## **X. MONITORING**

- a) The Nodal Officer- CSR at HQ and RIs will be responsible for reporting on CSR and preparing the Annual Report on CSR projects/activities.
- b) Monitoring and Impact Assessment Committee comprising of the executives of Community Development cadre and other disciplines will carry out the Monitoring and Impact Assessment studies of the CSR projects/activities of CMPDIL from time to time. This committee will report to the Nodal Officer, CSR cell.

## **XI. CONCLUSION**

The above guidelines would form the framework around which the CSR activities would be undertaken by CMPDIL HQ and all its Regional Institutes. Any amendments in the Company's Act 2013 pertaining to CSR along with DPEs guidelines from time to time will be adhered to.

**This Policy will supersede earlier policies relating to CSR and will come into force with immediate effect.**





### CSR Projects/Activities undertaken by CMPDIL in 2019-20:

#### A. Education:

Educational support like scholarship to meritorious students, sponsorship to girl students from poor families in the form of school fees, stationaries, uniforms for promoting “Beti Padhao, Beti Bachao” abhiyan of Hon’able Prime Minister of India, Financial Assistance is also provided for celebration of Annual day, Sports Day, Independence Day & Republic Day in different Schools of Ranchi, Jharkhand, Sponsorship

to Physically/ Mentally Challenged & Blind Students from Asansol Anandam & Asansol Braille Academy, Asansol, West Bengal. Programs were organized for Educational development through sports of students of two Govt. schools in Ranchi district,

Sponsorship has been provided to 72 destitute / orphans / backward group students from slum areas which includes school fees, uniforms, school stationary, books & copies of Deo Anna Vivekanand Parmeshwar Public School, Sembo, Ranchi. Construction of classroom with provision of electrical appliances for Bapuji Govt. UP School, Godakana, Bhubaneswar.



Construction of external walls joining different units of school building with gate & renovation/repairing of existing toilets of Rajkiya Utkramik Madhya Vidhyalaya, Murgaoon, Dadhu Panchayat, Latehar, Jharkhand. Providing and Fixing Tubewell with Submersible Pump and PVC Water Tank Including Pipe Fitting Two Govt. School in Singrauli, M.P.



Distribution of School uniforms & Stationary among destitute/orphans

## B. Infrastructural development in rural areas:

Three Kalyan Mandap for villager's congregation at Bada Chandgudia Village,

Santarabandh village and Kakudia village near Kosala camp, Orissa. Construction of village road at Bandra village, Kendra-Yensa, Panchayat Samiti-Warora, Dist-Chandrapur, Maharashtra.



Construction of village road at Bandra village, Kendra-Yensa, Panchayat Samiti-Warora, Dist-Chandrapur, Maharashtra

## C. Healthcare:

Assistance in the form of financial aid for hospitalization and other medical assistance such as consultation, treatment, medicines, pathological tests, physiotherapy and food for fifteen (15 no.) Leprosy patients from Jharkhand and West Bengal through Pyari Foundation – India Trust, Balarampur, Purulia has been provided. Room with

provision of fixture and furniture for Heat Stress patients is constructed at Kosala Community Health Centre, village- Kosala, GP- Kosala, Block- Chhendipada, Odisha.

Periodic medical camps have been organized in remote villages of some of the backward districts of Jharkhand, Madhya Pradesh, Maharashtra, Chhattisgarh and Odisha.



Medical Camp by CMPDIL

## D. Drinking Water facility:

36 no. of hand pumps with drainage & platform have been constructed at different location in Jharkhand. Digging of borewell and providing drinking water connection at Lamdand village, Kudumkela Camp.

## E. Skill Development:

Assistance has been provided to Prayas JAC Jharkhand for Skill development training in retail marketing along with life skills to 120 youths from Ranchi district. Along

with this Skill development for generation of employment through capacity building of underprivileged women through training program for 2<sup>nd</sup> batch of sewing and design course for 15 number of underprivileged women was also arranged. Financial aid is also provided to Sewa Sangha, Kolkata for Training in computers- software to 90 number of unskilled and unemployed youths & Multi-skilled training in Assistant Electrician to 40 number of unskilled and unemployed youths of Asansol, West Bengal



**Skill Development training Session for unskilled and unemployed youths of Asansol, West Bengal**

## F. Sustainable Development:

Installation of 5 KW solar Plant at Zila Parishad Prathmik Shala, Bandra village,

Kendra-Yensa, Panchayat Samiti-Warora, Dist - Chandrapur, Maharashtra by RI - IV, Nagpur.

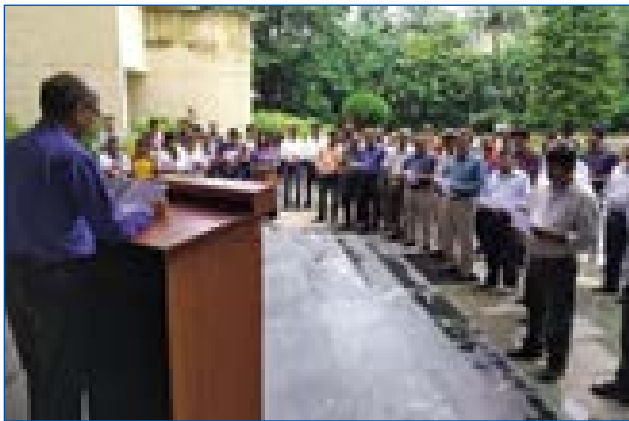


**5 KW solar Plant at Zila Parishad Prathmik Shala**

**G. Swachta Action Plan:**

CMPDIL celebrated Swachhta Pakhwada from 16<sup>th</sup> June to 30<sup>th</sup> June 2019 and 16<sup>th</sup> August 2019 to 31<sup>st</sup> August 2019. In addition to Swachhata Pakhwada “Swachhta hi Sewa” campaign from 11<sup>th</sup> September 2019 to 27<sup>th</sup> October 2019 was also organized along with regular cleanliness programs; massive tree plantation including fruit bearing trees was carried out by HQ and all seven RIs under

Swachhata Action Plan (SAP). Cleanliness drive was carried out not only in the office premises of all drilling camps of the seven Regional Institutes and at headquarter but also at different schools, villages to inculcate the habit of keeping self and surroundings clean. Swachhata Oath was taken at mass level by students, villagers, officials, staff and residents. Drawing completions, door to door campaign, wall paintings, Swachhata rallies were also organized.



Various activities taken up under SAP 2019-20



**Expenditure Incurred in CSR for the financial year 2019-20**

Sl. No.	CSR Project or activity identified.	Sector in which the project is covered.	Projects or Programs 1) Local Area or other 2) Specify the state district where projects or programs was undertaken.	Amount Outlay (Rs in Lakhs)	Amount spent on the projects or programs Sub-Heads: 1) Direct expenditure on projects or programs. 2) Overheads (Rs in Lakhs)	Cumulative expenditure up to the reporting period (Rs in Lakhs)	Amount spent: Direct or through implementing agency
1	Spill over: Construction of first floor of hostel cum computer centre with site development main gate work for blind students of Brajkishore Public Educational Society.	Point II, Schedule 7: Promoting Education	Ranchi, Jharkhand, Jharkhand	4	Direct Expenditure	1.11	Directly (through internal resources)
2	Spill over: Promoting education among the poor needy sections of the society through providing scholarship, Sponsorship and other aids to the students of Gondwana Primary School, Dist. Ranchi, Jharkhand	Point II, Schedule 7: Promoting Education	Ranchi, Jharkhand	2.5	Direct Expenditure	1.21	Directly (through internal resources)
3	Spill over: Promoting education among the poor needy section of society through providing scholarship, sponsorship and other aids to the students of Brisa Uccha Vidhalaya, Dam side Dist. Ranchi, Jharkhand.						
4	Support for education of 72 destitute/orphans/ socially & economically backward students from Sembo and adjoining areas. Dist. Ranchi, Jharkhand	Point II, Schedule 7: Promoting Education	Ranchi, Jharkhand	3.84	Direct Expenditure	3.84	Directly (through internal resources)
5	Support for education and skill development of 12 no. of visually impaired girl students at Brajkishore Netraheen Balika Vidhyalaya	Point II, Schedule 7: Promoting Education	Ranchi, Jharkhand	2.3	Direct Expenditure	2.30	Directly (through internal resources)



6	Proposal on construction of two number of cottage for the needy elderly at the campus of old age home at village, Kulgu, Kalendey, Block-Nagri, Dist. Ranchi, Jharkhand	Point III, Schedule VII: Home for old age	Ranchi, Jharkhand	0	Direct Expenditure	0.00	Directly (through internal resources)
7	Promoting education among the poor and needy sections of society through providing scholarship, sponsorship and other aids to Gondwana Primary School, Ranchi, Jharkhand.	Point II, Schedule 7: Promoting Education	Ranchi, Jharkhand	2.4	Direct Expenditure	2.40	Directly (through internal resources)
8	Promoting education among the poor and needy sections of society through providing scholarship, sponsorship and other aids to Brisa Uccha Vidhyalaya, Ranchi, Jharkhand.	Point II, Schedule 7: Promoting Education	Ranchi, Jharkhand	11.5	Direct Expenditure	9.65	Directly (through internal resources)
9	Skill development training in retail marketing along with life skills to 120 youths from Ranchi, Jharkhand district	Point II, Schedule VII: Employment Enhancing Vocational skills	Ranchi, Jharkhand	10.62	Direct Expenditure	10.62	Through Prayas JAC
10	Educational development through sports to students from Dist. Ranchi, Jharkhand	Point II, Schedule 7: Promoting Education	Ranchi, Jharkhand	5.81	Direct Expenditure	5.81	Through Monkey Sports
11	Financial Support Under CSR for Hospitalization Cost of 15 Patients at Gandhi Memorial Leprosy Hospital	Point I, Schedule VII: Promoting Healthcare	Purulia, West Bengal	6.11	Direct Expenditure	6.11	Directly (through internal resources)
12	Training program for 2 <sup>nd</sup> batch of sewing and design course for 15 number of underprivileged women from Kanke area, Dist. Ranchi, Jharkhand	Point ii, Schedule VII: Employment Enhancing Vocational skills	Ranchi, Jharkhand	0.46	Direct Expenditure	0.46	Directly (through internal resources)
13	Distribution of masks & hand sanitizer in view of COVID-19, in Ranchi, Jharkhand district	Point I, Schedule VII: Promoting Healthcare	Ranchi, Jharkhand	2.64	Direct Expenditure	2.64	Directly (through internal resources)

14	Swachhata Action Plan (CMPDIL HQ )	Point I, Schedule VII: Promoting Sanitation	Ranchi, Jharkhand	2	Direct Expenditure	0.77	Directly (through internal resources)
15	Medical Camps (HQ)	Point I, Schedule VII: Promoting Healthcare	Ranchi, Jharkhand	0.25	Direct Expenditure	0.03	Directly (through internal resources)
16	Medical Camps (HQ & RIs)(Medicine Purchase)	Point I, Schedule VII: Promoting Healthcare	Ranchi, Jharkhand	8.0	Direct Expenditure	7.94	Directly (through internal resources)
17	Sponsorship to 20 Blind Student from Asansol Braille Academy, Asansol, West Bengal	Point II, Schedule 7: Promoting Education	Asansol, West Bengal	9.14	Direct Expenditure	9.14	Directly (through internal resources)
18	Sponsorship to 20 Physically/ Mentally Challenged Student from Asansol Anandam, Asansol, West Bengal	Point II, Schedule 7: Promoting Education	Asansol, West Bengal	4.10	Direct Expenditure	4.10	Directly (through internal resources)
19	Training in computers-software to 90 number of unskilled and unemployed youths of Asansol , West Bengal	Point II, Schedule VII: Employment Enhancing Vocational skills	Asansol, West Bengal	8.10	Direct Expenditure	8.10	Directly (through internal resources)
20	Multi-skilled training in Assistant Electrician to 40 number of unskilled and unemployed youths Asansol , West Bengal	Point II, Schedule VII: Employment Enhancing Vocational skills	Asansol, West Bengal	4.60	Direct Expenditure	4.60	Directly (through internal resources)
21	Swachhata Action Plan (CMPDIL HQ)	Point I, Schedule VII: Promoting Sanitation	Asansol, West Bengal	2.00	Direct Expenditure	2.26	Directly (through internal resources)
22	Organization of Medical Camp	Point I, Schedule VII: Promoting Healthcare	Asansol, West Bengal	0.25	Direct Expenditure	0.25	Directly (through internal resources)
23	Providing facility for recreation in Rajkiyakrit Laxmi Narayan Vidhya Mandir Uccha Vidhyalaya, Dhansar, Dhanbad, Jharkhand	Point II, Schedule 7: Promoting Education	Dhanbad, Jharkhand	5.43	Direct Expenditure	4.28	Directly (through internal resources)

24	Skill development training to 20 number of women in sewing, stitching, embroidering and repair of sewing machines from Govindpur Block, Dhanbad, Jharkhand	Point II, Schedule 7: Promoting Education	Dhanbad, Jharkhand	6.928	Direct Expenditure	6.93	Directly (through internal resources)
25	Swachhata Action Plan (CMPDIL HQ)	Point I, Schedule VII: Promoting Sanitation	Dhanbad, Jharkhand	2	Direct Expenditure	1.98	Directly (through internal resources)
26	Medical Camp	Point I, Schedule VII: Promoting Healthcare	Dhanbad, Jharkhand	0.25	Direct Expenditure	0.24	Directly (through internal resources)
27	Construction of external walls joining different units of school building with gate for Rajkiya Utkramit Madhya Vidhyalaya, Bhaisadon, Dadhu Panchayat, Latehar, Jharkhand.	Point II, Schedule 7: Promoting Education	Latehar, Jharkhand	4.4	Direct Expenditure	3.98	Directly (through internal resources)
28	Construction of boundary wall after dismantling the existing damaged & fallen boundary wall for Utkramit Madhya Vidhyalaya, Chordhara Patratu, Ramgarh, Jharkhand	Point II, Schedule 7: Promoting Education	Ramgarh, Jharkhand	3.5	Direct Expenditure	2.88	Directly (through internal resources)
29	Construction of platform with shed for cultural programs at Rajkiya Madhya Vidhyalaya, Siram, Bhageya panchayat, Latehar, Jharkhand	Point II, Schedule 7: Promoting Education	Latehar, Jharkhand	2	Direct Expenditure	1.85	Directly (through internal resources)
30	Construction of platform with shed for cultural programs at Rajkiya Madhya Vidhyalaya, at Dadhu, Balumath, Latehar, Jharkhand	Point II, Schedule 7: Promoting Education	Latehar, Jharkhand	2	Direct Expenditure	1.84	Directly (through internal resources)
31	Construction of toilet block with septic tank, soak pit including water supply arrangement for Rajkiya Utkramit Uchya Vidhyalaya, Kaitha, Ramgarh, Jharkhand.	Point II, Schedule 7: Promoting Education	Ramgarh, Jharkhand	3.3	Direct Expenditure	3.30	Directly (through internal resources)

32	Installation of 6 no. of hand pumps with platform& drainage arrangement at different locations of Dadhu Panchayat, Balumath, Latehar, Jharkhand	Point I, Schedule VII: Drinking water facility	Latehar, Jharkhand	6	Direct Expenditure	5.58	Directly (through internal resources)
33	Installation of 6 no. of hand pumps with platform& drainage arrangement at different locations of Bhageya Panchayat, Balumath, Latehar, Jharkhand	Point I, Schedule VII: Drinking water facility	Latehar, Jharkhand	5.7	Direct Expenditure	4.91	Directly (through internal resources)
34	Installation of 4 no. of hand pumps with platform& drainage arrangement at different locations of Badgaon Panchayat, Tandwa, Chatra, Jharkhand	Point I, Schedule VII: Drinking water facility	Chatra, Jharkhand	3.8	Direct Expenditure	3.81	Directly (through internal resources)
35	Installation of 4 no. of hand pumps with platform& drainage arrangement at different locations of Lapra Panchayat, Khalari, Dist. Ranchi, Jharkhand	Point I, Schedule VII: Drinking water facility	Ranchi, Jharkhand	3.8	Direct Expenditure	3.37	Directly (through internal resources)
36	Installation of 3 no. of hand pumps with platform& drainage arrangement at different locations of Mayapur Panchayat, Khalari, Dist. Ranchi, Jharkhand	Point I, Schedule VII: Drinking water facility	Ranchi, Jharkhand	3	Direct Expenditure	2.69	Directly (through internal resources)
37	Installation of 7 no. of hand pumps with platform& drainage arrangement at different locations of Chalkari Panchayat, Peterwar, Jharkhand	Point I, Schedule VII: Drinking water facility	Bokaro, Jharkhand	5.7	Direct Expenditure	5.06	Directly (through internal resources)
38	Installation of 6 no. of hand pumps with platform& drainage arrangement at different locations of Pichhari Panchayat, Peterwar, Jharkhand	Point I, Schedule VII: Drinking water facility	Bokaro, Jharkhand	4.8	Direct Expenditure	4.24	Directly (through internal resources)

39	Swachhata Action Plan	Point I, Schedule VII: Promoting Sanitation	Ranchi, Jharkhand	2	Direct Expenditure	2.00	Directly (through internal resources)
40	Medical Camp	Point I, Schedule VII: Promoting Healthcare	Ranchi, Jharkhand	0.25	Direct Expenditure	0.24	Directly (through internal resources)
41	Spill over: Construction of Mid-day meal shed at Zila parishad Uchh Prathmik Shala, Kolara, Chimur, Chandrapur, Maharashtra.	Point II, Schedule 7: Promoting Education	Chandrapur, Maharashtra	6.889	Direct Expenditure	6.89	Directly (through internal resources)
42	Spill over: Construction of Mid-day meal shed at Uchha Prathmik Shala, Nandori, Chandrapur, Maharashtra.	Point II, Schedule 7: Promoting Education	Chandrapur, Maharashtra	1.785	Direct Expenditure	1.79	Directly (through internal resources)
43	Spill over: Installation of 15 no. of solar street lights in Gopalpur Gram Panchayat Rampia block, Odisha	Point IV, Schedule VII: Environmental Sustainability	Sundergarh, Odisha	0.246	Direct Expenditure	0.25	Directly (through internal resources)
44	Spill over: Installation of 6 kW Solar Panel at Zila Parishad Uchha Prathmik Shala, Anandwan, Maharashtra.	Point IV, Schedule VII: Environmental Sustainability	Chandrapur, Maharashtra	3.49	Direct Expenditure	3.49	Directly (through internal resources)
45	Construction of boundary wall, school gate, checker flooring & other misc. works at Zila Parishad Prathmik Shala	Point II, Schedule 7: Promoting Education	Chandrapur, Maharashtra	14.99	Direct Expenditure	13.73	Directly (through internal resources)
46	Construction of boundary wall and checker flooring at Anaganwadi Kendra	Point II, Schedule 7: Promoting Education			Direct Expenditure		Directly (through internal resources)
47	Installation of 5 KW solar Plant at Zila Parishad Prathmik Shala	Point IV, Schedule VII: Environmental Sustainability	Chandrapur, Maharashtra	3.15	Direct Expenditure	2.71	Directly (through internal resources)
48	Construction of village road at Bandra village, Kendra-Yensa, Panchayat Samiti-Warora, Dist.-Chandrapur, Maharashtra	Point X of Schedule 7: Rural Development Projects	Chandrapur, Maharashtra	20.76	Direct Expenditure	20.75	Directly (through internal resources)



49	Providing 1 No. of Bookshelf and 50 No. of Glasses at Zila Parishad Uchch Prathmik Shala, kendra-Durgapur, Panchayat Samiti-Chandrapur, Dist-Chandrapur, Maharashtra	Point II, Schedule 7: Promoting Education	Chandrapur, Maharashtra	0.38	Direct Expenditure	0.10	Directly (through internal resources)
50	Providing 1 No. of Bookshelf and at Zila Parishad Prathmik Shala, Payali, kendra-Padampur, Panchayat Samiti-Chandrapur, Dist-Chandrapur, Maharashtra	Point II, Schedule 7: Promoting Education	Chandrapur, Maharashtra		Direct Expenditure	0.08	Directly (through internal resources)
51	Providing 2 No. of Amirah at Zila Parishad Prathmik Shala, Pimpalgaon, Kendra-Yensa, Panchayat Samiti-Warora, Dist-Chandrapur, Maharashtra	Point II, Schedule 7: Promoting Education	Chandrapur, Maharashtra		Direct Expenditure	0.20	Directly (through internal resources)
52	Installation of Water Filter Plant at Boregaon, Warora	Point I, Schedule VII: Drinking water facility	Chandrapur, Maharashtra	14.34	Direct Expenditure	0.00	Directly (through internal resources)
53	Swachhata Action Plan	Point I, Schedule VII: Promoting Sanitation	Nagpur, Maharashtra	2	Direct Expenditure	2.01	Directly (through internal resources)
54	Medical Camp Organization	Point I, Schedule VII: Promoting Healthcare	Chandrapur, Maharashtra	0.25	Direct Expenditure	0.24	Directly (through internal resources)
55	Spill over: Construction of rooms of total area 1600 sq. feet for patients and their attendants at Jan Swastha Sahyog, Ganiyari near Korba camp, Bilaspur.	Point I, Schedule VII: Promoting Healthcare	Bilaspur, Chhattisgarh	8.30	Direct Expenditure	7.67	Directly (through internal resources)
56	Spill over: Digging of bore well and providing drinking water connection at Lamdand village, Kudumkela Camp.	Point I, Schedule VII: Drinking water facility	Raigarh, Chhattisgarh	2.39	Direct Expenditure	2.39	Directly (through internal resources)

57	Solar Power system installation including accessories at Hostel building of Govt. Blind and Deaf School, Bilaspur, Chhattisgarh	Point II, Schedule 7: Promoting Education	Bilaspur, Chhattisgarh	10.00	Direct Expenditure	6.24	Directly (through internal resources)
58	Solar Electrification of Jan Swastha Sahyog Kendra, Ganiyari, Chhattisgarh	Point I, Schedule VII: Promoting Healthcare	Bilaspur, Chhattisgarh	15.00	Direct Expenditure	8.18	Directly (through internal resources)
59	Construction of shed with stage at Govt. High School (Girls and Boys) at Khamtarai, Panchayat Bilha, Dist.-Bilaspur, Chhattisgarh.	Point II, Schedule 7: Promoting Education	Bilaspur, Chhattisgarh	10.00	Direct Expenditure	7.83	Directly (through internal resources)
60	Swachhata Action Plan	Point I, Schedule VII: Promoting Sanitation	Bilaspur, Chhattisgarh	2.00	Direct Expenditure	1.87	Directly (through internal resources)
61	Medical Camp Organization	Point I, Schedule VII: Promoting Healthcare	Bilaspur, Chhattisgarh	0.25	Direct Expenditure	0.24	Directly (through internal resources)
62	Supply of 77 nos. of 3 Seater Wooden Desk and Benches to 3 No. of Govt. Schools (a) Shashkiya High School, Bandha(20 No's), (b) Shashkiya Poorva Madhyamika Vidhyalaya, Morwoa (17 No.) © Shashkiya High School, Nawanagar (40 nos.)	Point II, Schedule 7: Promoting Education	Singrauli, Madhya Pradesh	3.43	Direct Expenditure	3.39	Directly (through internal resources)
63	Providing and Fixing Tube well with Submersible Pump and PVC Water Tank Including Pipe Fitting at 2 Nos. of Govt School: (a) Providing and fixing tube well with 1HP submersible pump and OH PVC (1000+) water tank including pipe fitting at Shashkiya Poorva Madhyamika Vidhyalaya, Morwoa (b) Providing and fixing tube well with 2HP submersible pump and OH PVC (2000+) water tank including pipe fitting at Shashkiya High School, Bandha	Point II, Schedule 7: Promoting Education	Singrauli, Madhya Pradesh	8.00	Direct Expenditure	6.38	Directly (through internal resources)



64	Providing and Fixing Water Purifier cum cooler(Heavy duty) at Shashkiya High School, Nawanagar, Waidhan, Singrauli, MP	Point II, Schedule 7: Promoting Education	Singrauli, Madhya Pradesh	0.72	Direct Expenditure	0.78	Directly (through internal resources)
65	Swachhata Action Plan	Point I, Schedule VII: Promoting Sanitation	Singrauli, Madhya Pradesh	2.00	Direct Expenditure	2.00	Directly (through internal resources)
66	Medical Camp Organization	Point I, Schedule VII: Promoting Healthcare	Singrauli, Madhya Pradesh	0.25	Direct Expenditure	0.00	Directly (through internal resources)
67	Spill over: Construction of Kalyan Mandap for villagers congregation at Bada Chandgudia Village near Kosala camp, Orissa	Point X of Schedule 7: Rural Development Projects	Angul, Odisha	2.55	Direct Expenditure	2.30	Directly (through internal resources)
68	Spill over: Construction/ repair of boundary wall with water supply arrangement in Bahiali UP School near Kosala Camp, Orissa	Point X of Schedule 7: Rural Development Projects	Angul, Odisha	1.5	Direct Expenditure	0.59	Directly (through internal resources)
69	Construction of room with provision of fixture and furniture for Heat Stress patients at Kosala Community Health Centre.	Point I, Schedule VII: Promoting Healthcare	Angul, Odisha	8.06	Direct Expenditure	8.72	Directly (through internal resources)
70	Construction of toilet block for boys in Shishu Ananta Mahavidhyalaya, Balipatana	Point II, Schedule 7: Promoting Education	Khurda, Odisha	7.49	Direct Expenditure	7.84	Directly (through internal resources)
71	Construction of classroom with provision of electrical appliances for Bapuji Govt.UP School,Godakana, Bhubaneswar	Point II, Schedule 7: Promoting Education	Khurda, Odisha	13.2	Direct Expenditure	12.37	Directly (through internal resources)
72	Construction of boys common in Shishu Ananta Mahavidhyalaya, Balipatana, Dist:Khurda	Point II, Schedule 7: Promoting Education	Khurda, Odisha	16.95	Direct Expenditure	13.06	Directly (through internal resources)

73	Construction of toilet block with water supply arrangement at OSAP Govt. High School, Near CMPDIL Colony	Point II, Schedule 7: Promoting Education	Khurda, Odisha	10.46	Direct Expenditure	10.81	Directly (through internal resources)
74	Construction of toilet block with water supply arrangement for slum dwellers Near CMPDIL Colony	Point XI, Schedule VII: Slum Development	Khurda, Odisha	27.99	Direct Expenditure	7.68	Directly (through internal resources)
75	Swachhata Action Plan	Point I, Schedule VII: Promoting Sanitation	Khurda, Odisha	2	Direct Expenditure	1.98	Directly (through internal resources)
76	Medical Camp Organization	Point I, Schedule VII: Promoting Healthcare	Khurda, Odisha	0.25	Direct Expenditure	0.23	Directly (through internal resources)
<b>Total</b>				<b>376.55</b>		<b>307.287</b>	

**The expenditure incurred on CSR, during 2019-20 was Rs.307.287 Lakhs against the total budget Amount as per 2% rule was Rs. 300.01 Lakhs. Whereas the total activities were sanctioned amounting to Rs. 376.55 Lakhs.**

This is to certify that the implementation and monitoring of CSR activities is in compliance of CSR objectives and Policy of CMPDIL.



(Shekhar Saran)  
Chairman-cum-Managing Director,  
CMPDIL



(Pramod Singh Chauhan)  
Chairman CSR Committee,  
CMPDIL



(Alok Kumar)  
Nodal Officer  
CSR



# ANNUAL ACCOUNTS 2019-20





# Central Mine Planning and Design Institute Limited

## BALANCE SHEET as at 31.03.2020

(₹ in Crore)

	Note No.	As on 31.03.2020	As on 31.03.2019
<b>ASSETS</b>			
<b>Non-Current Assets</b>			
(a) Property, Plant & Equipments	3	174.12	176.43
(b) Capital Work in Progress	4	23.13	14.41
(c) Exploration and Evaluation Assets	5	-	-
(d) Intangible Assets	6	8.38	3.96
(e) Financial Assets			
(i) Investments	7	-	-
(ii) Loans	8	-	-
(iii) Other Financial Assets	9	1.02	1.07
(f) Deferred Tax Assets (net)		78.25	102.69
(g) Other non-current assets	10	0.81	39.94
<b>Total Non-Current Assets (A)</b>		<b>285.71</b>	<b>338.50</b>
<b>Current Assets</b>			
(a) Inventories	12	12.50	9.73
(b) Financial Assets			
(i) Investments	7	-	-
(ii) Trade Receivables	13	550.21	579.98
(iii) Cash & Cash equivalents	14	241.60	135.62
(iv) Other Bank Balances	15	-	-
(v) Loans	8	-	-
(vi) Other Financial Assets	9	52.14	58.82
(c) Current Tax Assets (Net)		52.31	76.66
(d) Other Current Assets	11	148.59	99.03
<b>Total Current Assets (B)</b>		<b>1,057.35</b>	<b>959.84</b>
<b>Total Assets (A+B)</b>		<b>1,343.06</b>	<b>1,298.34</b>
<b>EQUITY AND LIABILITIES</b>			
<b>Equity</b>			
(a) Equity Share Capital	16	38.08	38.08
(b) Other Equity	17	550.80	428.74
<b>Equity attributable to equity holders of the company</b>		<b>588.88</b>	<b>466.82</b>
Non-Controlling Interests		-	-
<b>Total Equity (A)</b>		<b>588.88</b>	<b>466.82</b>


**BALANCE SHEET as at 31.03.2020**

(₹ in Crore)

	Note No.	As at 31.03.20	As at 31.03.19
<b>Liabilities</b>			
<b>Non-Current Liabilities</b>			
(a) Financial Liabilities			
(i) Borrowings	18	-	-
(ii) Trade Payables (if any)			
(iii) Other Financial Liabilities	20	85.50	73.94
(b) Provisions	21	244.05	215.72
(c) Deferred Tax Liabilities (net)			
(d) Other Non-Current Liabilities	22	-	-
<b>Total Non-Current Liabilities (B)</b>		<b>329.55</b>	<b>289.66</b>
<b>Current Liabilities</b>			
(a) Financial Liabilities			
(i) Borrowings	18	-	-
(ii) Trade payables	19		
Total outstanding dues of micro and small enterprises		0.07	0.20
Total outstanding dues of Creditors other than micro and small enterprises "		87.15	182.76
(iii) Other Financial Liabilities	20	14.95	8.49
(b) Other Current Liabilities	23	135.04	120.28
(c) Provisions	21	187.42	230.13
(d) Current Tax Liabilities (net)			
<b>Total Current Liabilities (C)</b>		<b>424.63</b>	<b>541.86</b>
<b>Total Equity and Liabilities (A+B+C)</b>		<b>1343.06</b>	<b>1298.34</b>

The Accompanying Notes and Note No 1, 2 & 38 form an integral part of Financial Statements.

  
(A. Mundhra)  
Company Secretary

  
(B. K. Pandey)  
General Manager (F)

  
(K. K. Mishra)  
Director  
DIN-08256429

  
(Shekhar Sharan)  
Chairman-Cum-  
Managing Director  
DIN-06607551

In terms of our report of even date attached

**For Lodha Patel Wadhwa & Co.**  
Chartered Accountants  
Firm Registration No.000271C

  
(CA Sanjay Kumar Wadhwa)  
Partner  
Membership No. 074749  
UDIN

Date: 9<sup>th</sup> June, 2020  
Place: Ranchi



# Central Mine Planning and Design Institute Limited

## STATEMENT OF PROFIT & LOSS FOR THE YEAR ENDED 31<sup>ST</sup> MARCH, 2020

(₹ in Crore)

	Note No.	For the Year ended 31.03.2020	For the Year ended 31.03.2019
<b>Revenue from Operations</b>			
A Sales (Net)	24	1381.31	1274.56
B Other Operating Revenue (Net)		-	-
(I) <b>Revenue from Operations (A+B)</b>		1381.31	1274.56
(II) Other Income	25	21.70	13.01
(III) <b>Total Income (I+II)</b>		1403.01	1287.57
(IV) <b>EXPENSES</b>			
Cost of Materials Consumed	26	23.37	23.54
Purchases of Stock-in-Trade			
Changes in inventories of finished goods/work in progress and Stock in trade	27	-	-
Excise Duty			
Employee Benefits Expense	28	565.85	525.10
Power & Fuel		3.19	2.95
Corporate Social Responsibility Expense	29	3.07	1.58
Repairs	30	28.06	24.58
Contractual Expense	31	378.93	354.78
Finance Costs	32	0.20	0.14
Depreciation/Amortization/ Impairment expense		18.44	23.66
Provisions	33	-	1.33
Write off	34		
Other Expenses	35	69.28	66.09
<b>Total Expenses (IV)</b>		1090.39	1023.75
(V) Profit before exceptional items and Tax (III-IV)		312.62	263.82
(VI) Exceptional Items		-	-
(VII) <b>Profit before Tax (V-VI)</b>		312.62	263.82
(VIII) Tax expense	36	119.23	90.55
(IX) Profit for the period from continuing operations (VII-VIII)		193.39	173.27
(X) Profit/(Loss) from discontinued operations		-	-
(XI) Tax exp of discontinued operations		-	-
(XII) Profit/(Loss) from discontinued operations (after Tax) (X-XI)		-	-
(XIII) Share in JV's/Associate's profit/(loss)		-	-
(XIV) <b>Profit for the Period (IX+XII+XIII)</b>		193.39	173.27
<b>Other Comprehensive Income</b>	37		
A (i) Items that will not be reclassified to profit or loss		(8.60)	(6.39)
(ii) Income tax relating to items that will not be reclassified to profit or loss			


**STATEMENT OF PROFIT & LOSS FOR THE YEAR ENDED 31<sup>ST</sup> MARCH, 2020**

(₹ in Crore)

	Note No.	For the Year ended 31.03.2020 (Audited)	For the Year ended 31.03.2019 (Audited)
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		(2.16)	(2.23)
<b>(XV) Total Other Comprehensive Income</b>		<b>(6.44)</b>	<b>(4.16)</b>
<b>(XVI) Total Comprehensive Income for the period (XIV+XV) (Comprising Profit (Loss) and Other Comprehensive Income for the period)</b>		<b>186.95</b>	<b>169.11</b>
<b>Profit attributable to:</b>			
Owners of the company		193.39	173.27
Non-controlling interest		193.39	173.27
<b>Total Comprehensive Income attributable to:</b>			
Owners of the company		186.95	169.11
Non-controlling interest		186.95	169.11
<b>(XVII) Earnings per equity share (for continuing operation):</b>			
(1) Basic		5,078.52	4,550.16
(2) Diluted		5,078.52	4,550.16
<b>(XVIII) Earnings per equity share (for discontinued operation):</b>			
(1) Basic		-	-
(2) Diluted		-	-
<b>(XIX) Earnings per equity share (for discontinued &amp; continuing operation):</b>			
(1) Basic		5,078.52	4,550.16
(2) Diluted		5,078.52	4,550.16

The Accompanying Notes form an integral part of Financial Statements.  
Refer note 38 (5) (c) for calculation of EPS

  
**(A. Mundhra)**  
Company Secretary

  
**(B. K. Pandey)**  
General Manager (F)

  
**(K. K. Mishra)**  
Director  
DIN-08256429

  
**(Shekhar Sharan)**  
Chairman-Cum-  
Managing Director  
DIN-06607551

In terms of our report of even date attached

**For Lodha Patel Wadhwa & Co.**

Chartered Accountants  
Firm Registration No.000271C

  
**(CA Sanjay Kumar Wadhwa)**

Partner

Membership No. 074749  
UDIN

Date: 9<sup>th</sup> June, 2020

Place: Ranchi



# Central Mine Planning and Design Institute Limited

## CASH FLOW STATEMENT (INDIRECT METHOD) FOR THE YEAR ENDED 31<sup>ST</sup> MARCH, 2020

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
<b>A. CASH FLOWS FROM OPERATING ACTIVITIES:</b>		
Profit before tax	312.62	263.82
Adjustment for:		
Depreciation & Impairment of Fixed Assets	18.44	23.66
Interest from Bank Deposits	(7.95)	(7.28)
Finance cost	0.2	0.14
Interest / Dividend from investments	-	0.00
Profit / Loss on sale of Fixed Assets	(0.04)	(0.06)
Other non-operating Income	(12.47)	(5.65)
Liability write back during the period	(1.24)	(0.02)
Advance Stripping Activity Adjustment	-	-
<b>Operating profit before Current / Non Current Assets and Liabilities Adjustments for :</b>	<b>309.56</b>	<b>274.61</b>
Trade Receivable	29.77	31.40
Inventories	(2.77)	(1.30)
Short/Long term Loans/Advances & Other Current Assets	45.09	(40.19)
Short/Long term Liabilities and Provisions	(85.94)	(170.52)
<b>Cash generated from operations</b>	<b>295.71</b>	<b>94.00</b>
Income Tax paid / refund	(117.07)	(88.32)
Interest paid	(0.20)	(0.14)
<b>Net Cash Flow from Operating Activities (A)</b>	<b>178.44</b>	<b>5.54</b>
<b>B. CASH FLOWS FROM INVESTING ACTIVITIES</b>		
Purchase of Fixed Assets	(29.27)	(25.38)
Proceeds from sale of Assets	0.04	0.06
Other Long Term Loans & Advances (Capital Advances)	-	-
Interest received on Fixed Deposit / Loan to Subsidiary	7.95	7.28
Other non-operating Income	13.71	5.67
Investment in Bank Deposit	-	-
Change in investments	-	-
Investment in joint venture	-	-
Interest pertaining to Investing Activities	-	-
Interest / Dividend from investments	-	-
<b>Net cash flow from Investing Activities (B)</b>	<b>(7.57)</b>	<b>(12.37)</b>



**C. CASH FLOWS FROM FINANCING ACTIVITIES**

Proceed from short term Borrowings/Govt. Grant	(0.30)	(0.33)
Repayment of Borrowings	-	-
Interest & Finance cost pertaining to Financing Activities	-	-
Receipt of Shifting & Rehabilitation Fund	-	-
Dividend & Dividend Tax	(64.59)	(36.49)
Buyback of Equity Share Capital	-	-
<b>Net cash used in Financing Activities(C)</b>	<b>(64.89)</b>	<b>(36.82)</b>
<b>Net increase/ decrease in Cash &amp; Bank Balances (A+B+C)</b>	<b>105.98</b>	<b>(43.65)</b>
<b>Cash &amp; cash equivalents as at the beginning of the year (Refer Note 14 for components of cash &amp; cash equivalents)</b>	<b>135.62</b>	<b>179.27</b>
<b>Cash &amp; cash equivalents as at the end of the year (Refer Note 14 for components of cash &amp; cash equivalents)</b>	<b>241.60</b>	<b>135.62</b>

(All figures in bracket represent outflow)



**(A. Mundhra)**  
Company Secretary



**(B. K. Pandey)**  
General Manager (F)



**(K. K. Mishra)**  
Director  
DIN-08256429



**(Shekhar Sharan)**  
Chairman-Cum-  
Managing Director  
DIN-06607551

In terms of our report of even date attached

**For Lodha Patel Wadhwa & Co.**

Chartered Accountants  
Firm Registration No.000271C



**(CA Sanjay Kumar Wadhwa)**

Partner  
Membership No. 074749  
UDIN

Date: 9<sup>th</sup> June, 2020

Place: Ranchi

# Central Mine Planning and Design Institute Limited

## STATEMENT OF CHANGES IN EQUITY FOR THE PERIOD ENDED 31.03.2020

### A. EQUITY SHARE CAPITAL

(₹ in Crore)

Particulars	Balance as at 01.04.2018	Changes In Equity Share Capital During The Year	Balance as at 31.03.2019	Balance as at 01.04.2019	Changes In Equity Share Capital During The Year	Balance as at 31.03.2020
3,80,800 Equity Shares of ₹1000/- each	38.08	-	38.08	38.08	-	38.08

### B. OTHER EQUITY

	Equity portion of Preference Share Capital	Other Reserves				General Reserve	Other Comprehensive Income	Retained Earnings	Total	Non-Controlling Interest	Equity
		Capital Redemption reserve	Capital reserve	CSR Reserve	Sustainable Development Reserve						
<b>Balance as at 01.04.2018</b>	-	-	19.20	-	-	4.04	36.40	236.81	296.45	-	296.45
Additions during the year	-	-	-	-	-	-	-	-	-	-	-
Adjustments during the year	-	-	-	-	-	-	-	-	-	-	-
Changes in accounting policy Prior period errors	-	-	-	-	-	-	-	-	-	-	-
<b>Restated balance as at 01.04.2018</b>	-	-	19.20	-	-	4.04	36.40	236.81	296.45	-	296.45
Balance as at 01.04.2018	-	-	19.80	-	-	4.04	36.40	236.81	296.45	-	296.45
Additions during the year	-	-	1.00	-	-	8.66	-	-	9.66	-	9.66
Adjustments during the year	-	-	(1.33)	-	-	-	-	-	(1.33)	-	(1.33)
Profit for the year	-	-	-	-	-	-	(4.16)	173.27	169.11	-	169.11
<b>Re measurement of Defined Benefits Plans (net of Tax) Appropriations</b>	-	-	-	-	-	-	-	-	-	-	-
Transfer to / from General reserve	-	-	-	-	-	-	-	(8.66)	(8.66)	-	(8.66)
Transfer to / from Other reserves	-	-	-	-	-	-	-	-	-	-	-



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(₹ in Crore)										
Interim Dividend	-	-	-	-	-	-	(25.52)	-	(25.52)	-
Bonus	-	-	-	-	-	-	-	-	-	-
Final Dividend	-	-	-	-	-	-	(4.75)	(4.75)	(4.75)	(4.75)
Corporate Dividend tax	-	-	-	-	-	-	(6.22)	(6.22)	(6.22)	(6.22)
Pre-operative expenses	-	-	-	-	-	-	-	-	-	-
<b>Balance as at 31.03.2019</b>	-	-	<b>18.87</b>	-	-	<b>12.70</b>	<b>32.24</b>	<b>364.93</b>	<b>428.74</b>	<b>428.74</b>
Balance as at 01.04.2019	-	-	18.87	-	-	12.70	32.24	364.93	428.74	428.74
Additions during the year	-	-	0.60	-	-	9.67	-	-	10.27	10.27
Adjustments during the year	-	-	(0.90)	-	-	-	-	-	(0.90)	(0.90)
Changes in accounting policy or prior period errors	-	-	-	-	-	-	-	-	-	-
Profit for the year	-	-	-	-	-	-	(6.44)	193.39	186.95	186.95
<b>Re measurement of Defined Benefits Plans (net of Tax)</b>	-	-	-	-	-	-	-	-	-	-
<u>Appropriations</u>	-	-	-	-	-	-	-	-	-	-
Transfer to / from General reserve	-	-	-	-	-	-	-	(9.67)	(9.67)	(9.67)
Transfer to / from Other reserves	-	-	-	-	-	-	-	-	-	-
Interim Dividend	-	-	-	-	-	-	-	(27.11)	(27.11)	(27.11)
Bonus	-	-	-	-	-	-	-	-	-	-
Final Dividend	-	-	-	-	-	-	-	(26.47)	(26.47)	(26.47)
Corporate Dividend tax	-	-	-	-	-	-	-	(11.01)	(11.01)	(11.01)
Pre-operative expenses	-	-	-	-	-	-	-	-	-	-
<b>Balance as at 31.03.2020</b>	-	-	<b>18.57</b>	-	-	<b>22.37</b>	<b>25.80</b>	<b>484.06</b>	<b>550.80</b>	<b>550.80</b>

# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS NOTE - 3 : PROPERTY, PLANT AND EQUIPMENTS

	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	Others (Specify in note)	Total
<b>Gross Carrying Amount:</b>															
As at 1 April 2018	1.15	1.43	-	48.07	119.03	0.29	-	10.11	1.80	9.98	-	-	0.68	-	192.54
Additions	-	-	-	19.18	32.29	0.14	-	1.90	0.14	1.08	-	-	0.08	-	54.81
Deletions/Adjustments	-	-	-	-	(6.73)	-	-	(0.01)	-	(0.16)	-	-	-	-	(6.90)
<b>As at 31<sup>st</sup> March 2019</b>	<b>1.15</b>	<b>1.43</b>	<b>-</b>	<b>67.25</b>	<b>144.59</b>	<b>0.43</b>	<b>-</b>	<b>12.00</b>	<b>1.94</b>	<b>10.90</b>	<b>-</b>	<b>-</b>	<b>0.76</b>	<b>-</b>	<b>240.45</b>
As at 1 April 2019	1.15	1.43	-	67.25	144.59	0.43	-	12.00	1.94	10.90	-	-	0.76	-	240.45
Additions	-	0.63	-	1.13	9.77	0.03	-	1.91	1.28	1.43	-	-	0.03	-	16.21
Deletions/Adjustments	-	-	-	(0.41)	(2.21)	-	-	(0.80)	0.02	(0.41)	-	-	(0.07)	-	(3.88)
<b>As at 31<sup>st</sup> March 2020</b>	<b>1.15</b>	<b>2.06</b>	<b>-</b>	<b>67.97</b>	<b>152.15</b>	<b>0.46</b>	<b>-</b>	<b>13.11</b>	<b>3.24</b>	<b>11.92</b>	<b>-</b>	<b>-</b>	<b>0.72</b>	<b>-</b>	<b>252.78</b>
<b>Accumulated Depreciation and Impairment</b>															
As at 1 April 2018	-	0.07	-	4.06	35.27	0.05	-	3.20	0.71	3.76	-	-	-	-	47.12
Charge for the year	-	0.02	-	1.99	17.56	0.06	-	1.60	0.34	1.55	-	-	-	-	23.12
Impairment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deletions/Adjustments	-	-	-	-	(6.07)	-	-	(0.18)	-	0.03	-	-	-	-	(6.22)
<b>As at 31<sup>st</sup> March 2019</b>	<b>-</b>	<b>0.09</b>	<b>-</b>	<b>6.05</b>	<b>46.76</b>	<b>0.11</b>	<b>-</b>	<b>4.62</b>	<b>1.05</b>	<b>5.34</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>64.02</b>
As at 1 April 2019	-	0.09	-	6.05	46.76	0.11	-	4.62	1.05	5.34	-	-	-	-	64.02
Charge for the year	-	0.10	-	1.74	12.13	0.05	-	1.35	0.29	1.15	-	-	-	-	16.81
Impairment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deletions/Adjustments	-	-	-	0.27	(0.73)	(0.01)	-	(0.62)	0.03	(0.57)	-	-	-	-	(2.17)
<b>As at 31<sup>st</sup> March 2020</b>	<b>-</b>	<b>0.19</b>	<b>-</b>	<b>7.52</b>	<b>58.16</b>	<b>0.15</b>	<b>-</b>	<b>5.35</b>	<b>1.37</b>	<b>5.92</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>78.66</b>
<b>Net Carrying Amount</b>															
As at 31 <sup>st</sup> March 2020	1.15	1.87	-	60.45	93.99	0.31	-	7.76	1.87	6.00	-	-	0.72	-	174.12
As at 31 <sup>st</sup> March 2019	1.15	1.34	-	61.20	97.83	0.32	-	7.38	0.89	5.56	-	-	0.76	-	176.43

**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. Other Land includes Right of use Asset amounting to Rs 0.63 cr and accumulated amortization on the same is Rs 0.08 crores upto 31.03.2020
3. Depreciation has been provided as per Company's accounting policy. (Refer to note No 2)
4. Out of Total Capital addition of Rs 16.21 Crores, Rs 0.45 crores relates to Funds and 0.03 crores relates to Survey Off asset addition and 0.63 cr relates to lease asset capitalised

# Central Mine Planning and 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
<b>Gross Carrying Amount:</b>						
As at 1 April 2018	18.76	27.09	-	-	-	45.85
Additions	1.29	6.59	-	-	-	7.88
Capitalisation/ Deletions	(18.44)	(20.88)	-	-	-	(39.32)
<b>As at 31<sup>st</sup> March 2019</b>	<b>1.61</b>	<b>12.80</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14.41</b>
As at 1 April 2019	1.61	12.80	-	-	-	14.41
Additions	7.00	3.41	-	-	-	10.41
Capitalisation / Deletions	(1.65)	(0.04)	-	-	-	(1.69)
<b>As at 31<sup>st</sup> March 2020</b>	<b>6.96</b>	<b>16.17</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>23.13</b>
<b>Accumulated Provision and Impairment</b>						-
As at 1 April 2018	-	-	-	-	-	-
Charge for the year	-	-	-	-	-	-
Impairment	-	-	-	-	-	-
Deletions/Adjustments	-	-	-	-	-	-
<b>As at 31<sup>st</sup> March 2019</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
As at 1 April 2019	-	-	-	-	-	-
Charge for the year.	-	-	-	-	-	-
Impairment	-	-	-	-	-	-
Deletions/Adjustments	-	-	-	-	-	-
<b>As at 31<sup>st</sup> March 2020</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Net Carrying Amount</b>						-
<b>As at 31<sup>st</sup> March 2020</b>	<b>6.96</b>	<b>16.17</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>23.13</b>
<b>As at 31<sup>st</sup> March 2019</b>	<b>1.61</b>	<b>12.80</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14.41</b>

**Note :** Out of Total WIP addition and adjustment of ₹ 8.72 crores, ₹ 0.01 Crore relates to Funds.





# Central Mine Planning and 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 <sup>st</sup> April 2018	-
Additions	-
Deletions/Adjustments	-
<b>As at 31<sup>st</sup> March 2019</b>	-
As at 1 <sup>st</sup> April 2019	-
Additions	-
Deletions/Adjustments	-
<b>As at 31<sup>st</sup> March 2020</b>	-
Accumulated Provision and Impairment	
As at 1 <sup>st</sup> April 2018	-
Charge for the year	-
Impairment	-
Deletions/Adjustments	-
<b>As at 31<sup>st</sup> March 2019</b>	-
As at 1 <sup>st</sup> April 2019	-
Charge for the year.	-
Impairment	-
Deletions/Adjustments	-
<b>As at 31<sup>st</sup> March 2020</b>	-
<b>Net Carrying Amount</b>	
<b>As at 31<sup>st</sup> March 2020</b>	-
<b>As at 31<sup>st</sup> March 2019</b>	-



## Central Mine Planning and Design Institute Limited

### NOTES TO THE FINANCIAL STATEMENTS

#### NOTE - 6 : OTHER INTANGIBLE ASSETS

(₹ in Crore)

	Computer Software	Others (specify in note)	Total
<b>Gross Carrying Amount:</b>			
As at 1 April 2018	7.39	-	7.39
Additions	4.00	-	4.00
Deletions/Adjustments	-	-	-
<b>As at 31<sup>st</sup> March 2019</b>	<b>11.39</b>	<b>-</b>	<b>11.39</b>
As at 1 April 2019	11.39	-	11.39
Additions	6.95	-	6.95
Deletions/Adjustments	-	-	-
<b>As at 31<sup>st</sup> March 2020</b>	<b>18.34</b>	<b>-</b>	<b>18.34</b>
<b>Accumulated Amortisation and Impairment</b>			
As at 1 April 2018	5.58	-	5.58
Charge for the year	1.85	-	1.85
Impairment	-	-	-
Deletions/Adjustments	-	-	-
<b>As at 31<sup>st</sup> March 2019</b>	<b>7.43</b>	<b>-</b>	<b>7.43</b>
As at 1 April 2019	7.43	-	7.43
Charge for the year.	2.53	-	2.53
Impairment	-	-	-
Deletions/Adjustments	-	-	-
<b>As at 31<sup>st</sup> March 2020</b>	<b>9.96</b>	<b>-</b>	<b>9.96</b>
<b>Net Carrying Amount</b>			
<b>As at 31<sup>st</sup> March 2020</b>	<b>8.38</b>	<b>-</b>	<b>8.38</b>
<b>As at 31<sup>st</sup> March 2019</b>	<b>3.96</b>	<b>-</b>	<b>3.96</b>

**Note :** Out of Total software addition of ₹ 6.95 crores, ₹ 0.15 Crores relates to Funds.



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 7 : INVESTMENTS

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Non Current</b>		
Investment in Shares	-	-
Equity Shares in Joint Venture Companies	-	-
Other Investments	-	-
In Secured Bonds	-	-
In Co-operative Shares	-	-
<b>Total</b>	-	-
Aggregate amount of unquoted investments:	-	-
Aggregate amount of quoted investments:	-	-
Market value of quoted investments:	-	-
Aggregate amount of impairment in value of investments:	-	-

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 7 (contd.)

### INVESTMENTS

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Current</b>		
<b>Mutual Fund Investment</b>		
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	-	-
<b>Total</b>	-	-
Aggregate of Quoted Investment:	-	-
Aggregate of unquoted investments:	-	-
Market value of Quoted Investment:	-	-
Aggregate amount of impairment in value of investments:	-	-

**Central Mine Planning and Design Institute Limited****NOTES TO THE FINANCIAL STATEMENTS****NOTE - 8 : LOANS**

(₹ in Crore)

	<b>As at 31.03.20</b>	<b>As at 31.03.19</b>
<b>Other Loans</b>		
- Secured, considered good	-	-
- Unsecured, considered good	-	-
- Have significant increase in credit risk		
- Credit impaired		
	-	-
Less: Allowance for doubtful loans	-	-
	-	-
<b>Total</b>	-	-
<b>Current</b>		
<b>Other Loans</b>		
- Secured, considered good	-	-
- Unsecured, Considered good	-	-
- Have significant increase in credit risk	-	-
- Credit impaired		
- Doubtful	-	-
	-	-
Less: Allowance for doubtful loans	-	-
	-	-
<b>Total</b>	-	-



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 9 : OTHER FINANCIAL ASSETS

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Non Current</b>		
Bank deposits	-	-
Deposits with bank under		
- Mine Closure Plan	-	-
- Shifting & Rehabilitation Fund scheme	-	-
Receivable from Escrow Account for Mine Closure Expenses	-	-
Other Deposit and Receivables *	1.06	1.11
Less : Allowance for doubtful deposits	0.04	0.04
	1.02	1.07
<b>TOTAL</b>	1.02	1.07
<b>Current</b>		
Surplus Fund with CIL	-	-
Balance with Coal India Ltd		
Receivable from Escrow Account for Mine Closure Expenses	-	-
Current Account Balance with CIL	17.14	17.70
Less: Provision for Doubtful Advances	-	-
	17.14	17.70
Current maturities of long term loan		
Interest accrued on		
Interest accrued	3.79	1.96
Claims & other receivables	31.21	39.16
Less : Allowance for doubtful claims	-	-
	31.21	39.16
<b>TOTAL</b>	52.14	58.82

Note: (1) Other Deposit and Receivables\* includes-

	31.03.2020	31.03.2019
Deposit to Gas Company & Others	0.02	0.02
Deposit to Electricity Company	0.72	0.72
Deposit P & T	0.07	0.07
Security Deposit Paid	0.11	0.11
Interest Receivable from Employee & others	0.14	0.19
<b>Total</b>	1.06	1.11

Note: (2) Claims &amp; Other Receivables\*\* includes -

	31.03.2020	31.03.2019
CLAIMS RECOVERABLE	5.83	6.76
RECEIVABLE DUE TO IND AS 115	23.28	20.30
RECEIVABLES FROM LIC (GRATUITY)	2.10	12.10
<b>Total</b>	31.21	39.16



**Central Mine Planning and Design Institute Limited****NOTES TO THE FINANCIAL STATEMENTS****NOTE 10 : OTHER NON-CURRENT ASSETS**

(₹ in Crore)

	<b>As at 31.03.20</b>	<b>As at 31.03.19</b>
<b>(i) Capital Advances</b>	<b>0.69</b>	<b>0.62</b>
Less : Provision for doubtful advances	-	-
	<b>0.69</b>	<b>0.62</b>
<b>(ii) Advances other than capital advances</b>		
(a) Security Deposit for utilities	-	-
Less : Provision for doubtful deposits	-	-
	-	-
(b) Other Deposits and Advances	<b>0.12</b>	<b>39.32</b>
Less : Provision for doubtful deposits	-	-
	<b>0.12</b>	<b>39.32</b>
(c) Advances to related parties	-	-
<b>Total</b>	<b>0.81</b>	<b>39.94</b>



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 11 : OTHER CURRENT ASSETS

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
(a) Advance for Capital	-	-
Less : Provision for doubtful advances	-	-
	-	-
(b) Advance for Revenue (goods & services)	0.61	0.81
Less : Provision for doubtful advances	0.23	0.23
	0.38	0.58
(c) Advance payment of statutory dues	0.11	0.09
Less : Provision for doubtful advances	-	-
	0.11	0.09
(d) Advance to Related Parties	-	-
(e) Other Advances and Deposits *	116.99	51.86
Less : Provision for doubtful advances	0.05	0.05
	116.94	51.81
(f) Input Tax Credit Receivable	31.16	46.55
Less: Provision	-	-
	31.16	46.55
(g) MAT CREDIT ENTITLEMENT	-	-
Less: Provision	-	-
<b>Total</b>	<b>148.59</b>	<b>99.03</b>

#### 1 -(e) Other Advances and Deposits \*

(₹ in Crore)

	31.03.2020	31.03.2019
ADVANCE (XA)	0.56	0.80
PERMANENT IMPREST	0.06	-
PAY ADVANCE		0.01
T.A. (OFFICERS)	0.47	0.40
T.A. (STAFF)	0.58	0.83
MEDICAL ADVANCE	0.45	0.73
T.A. ADVANCE OUTSIDE COUNTRY	0.04	0.02
ADVANCE CIL SURVEY OF INDIA	77.37	38.30
ADVANCE CIL CIMFR LAB	10.59	10.59
C B M PROJECT	0.11	0.11
INCOME TAX UNDER PROTEST**	26.70	
EXCOAL BOARD & OTHERS	0.06	0.07
<b>Total</b>	<b>116.99</b>	<b>51.86</b>

\*\*Income tax paid unde protest is ₹ 26.70 crs.Out of this ₹ 0.95 cr relates to A.Y 2012-13, ₹ 23.73 cr relates to A.Y 2017-18, ₹ 0.64 cr relates to A.Y 2016-17, ₹ 0.68 cr relates to A.Y 2014-15, ₹ 0.58 cr relates to A.Y 2010-11, ₹ 0.12 crore relates to A.Y 2016-17.

# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 12 : INVENTORIES

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
(a) Stock of Coal		
Coal under Development	-	-
Stock of Coal (Net)	-	-
(b) Stock of Stores & Spares (at cost)	12.50	9.73
Add: Stores-in-transit	-	-
Net Stock of Stores & Spares (at cost)	12.50	9.73
(c) Stock of Medicine at Central Hospital	-	-
(d) Workshop Jobs and Press jobs		
	12.50	9.73

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE- 13 : TRADE RECEIVABLES

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Current</b>		
Trade receivables		
- Secured, considered good	-	-
- Unsecured, considered good	550.21	579.98
- Have significant increase in credit risk	3.05	3.86
- Credit impaired		
	553.26	583.84
Less : Allowance for bad & doubtful debts	3.05	3.86
<b>Total</b>	550.21	579.98
<b>CLASSIFICATION</b>		
Secured, considered good		
Unsecured, Considered good	550.21	579.98
Have significant increase in credit risk	3.05	3.86
Credit impaired		

1. 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
2. Total Dues of ₹ 553.26 cr as on 31.03.20 includes:
  - a) Disputed Dues of Central Coal Fields Ltd (a subsidiary of Coal India Ltd) amounting to ₹ 0.63 cr.
  - b) Dues of Mahanadi Coal Field Ltd( MCL) (a subsidiary of Coal India Ltd) amounting to ₹ 0.15 cr which is short paid by MCL and Price variation/Rate revision Invoice of CMPDI amounting to ₹ 1.03 cr which is not considered by MCL.



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 14 : CASH AND CASH EQUIVALENTS

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
(a) Balances with Banks		
- in Deposit Accounts	139.14	64.14
- in Current Accounts		
Interest Bearing (CLTD)	101.83	26.18
Non Interest Bearing	0.60	45.28
- in Cash Credit Accounts	-	-
(b) Bank Balances outside India	-	-
(c) Cheques, Drafts and Stamps in hand	0.01	0.01
(d) Cash on hand	0.02	0.01
(e) Cash on hand outside India	-	-
(f) Others	-	-
<b>Total Cash and Cash Equivalents</b>	<b>241.60</b>	<b>135.62</b>
(g) Bank Overdraft	-	-
<b>Total Cash and Cash Equivalents (net of Bank Overdraft)</b>	<b>241.60</b>	<b>135.62</b>

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 15 : OTHER BANK BALANCES

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
Balances with Banks		
- Deposit accounts	-	-
- Mine Closure Plan	-	-
- Shifting and Rehabilitation Fund scheme	-	-
- Escrow Account for Buyback of Shares	-	-
- Unpaid dividend accounts	-	-
- Dividend accounts	-	-
<b>Total</b>	<b>-</b>	<b>-</b>

# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 16 : EQUITY SHARE CAPITAL

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Authorised</b>		
15,00,000 Equity Shares of ₹ 1000/- each	150.00	50.00
	150.00	50.00
<b>Issued, Subscribed and Paid-up</b>		
(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)	-	-
275792 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)	27.58	27.58
105000 Equity Shares of ₹ 1000/- each allotted as fully paid for Cash to Holding Company by converting loan in equity	10.50	10.50
<b>Total</b>	<b>38.08</b>	<b>38.08</b>

#### 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	380800	100%



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 17 : OTHER EQUITY

(₹ in Crore)

	Equity portion of Preference Share Capital	Other Reserves			General Reserve	Other Comprehensive Income	Retained Earnings	Non-Controlling Interest	Equity
		Capital Redemption reserve	Capital reserve	CSR Reserve	Sustainable Development Reserve				
<b>Balance as at 01.04.2018</b>	-	-	<b>19.20</b>	-	-	<b>4.04</b>	<b>236.81</b>	-	<b>296.45</b>
Additions during the year	-	-	-	-	-	-	-	-	-
Adjustments during the year	-	-	-	-	-	-	-	-	-
Changes in accounting policy or prior period errors	-	-	-	-	-	-	-	-	-
<b>Restated balance as at 01.04.2018</b>	-	-	<b>19.20</b>	-	-	<b>4.04</b>	<b>236.81</b>	-	<b>296.45</b>
Additions during the year	-	-	1.00	-	-	8.66	-	-	9.66
Adjustments during the year	-	-	(1.33)	-	-	-	-	-	(1.33)
Profit for the year	-	-	-	-	-	-	173.27	-	169.11
Remeasurement of Defined Benefits Plans (net of Tax)	-	-	-	-	-	-	-	-	-
<u>Appropriations</u>	-	-	-	-	-	-	-	-	-
Transfer to / from General reserve	-	-	-	-	-	-	(8.66)	-	(8.66)
Transfer to / from Other reserves	-	-	-	-	-	-	-	-	-
Interim Dividend	-	-	-	-	-	-	(25.52)	-	(25.52)
Bonus	-	-	-	-	-	-	-	-	-
Final Dividend	-	-	-	-	-	-	(4.75)	-	(4.75)
Corporate Dividend tax	-	-	-	-	-	-	(6.22)	-	(6.22)
Pre-operative expenses	-	-	-	-	-	-	-	-	-
<b>Balance as at 31.03.2019</b>	-	-	<b>18.87</b>	-	-	<b>12.70</b>	<b>364.93</b>	-	<b>428.74</b>





# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 17 : OTHER EQUITY

	Equity portion of Preference Share Capital	Other Reserves				General Reserve	Other Comprehensive Income	Retained Earnings	Non-Controlling Interest	Equity
		Capital Redemption reserve	Capital reserve	CSR Reserve	Sustainable Development Reserve					
Balance as at 01.04.2019	-	-	18.87	-	-	12.70	32.24	364.93	-	428.74
Additions during the period	-	-	0.60	-	-	9.67	-	-	-	10.27
Adjustments during the period	-	-	(0.90)	-	-	-	-	-	-	(0.90)
Changes in accounting policy or prior period errors	-	-	-	-	-	-	-	-	-	-
Profit for the period	-	-	-	-	-	-	(6.44)	193.39	-	186.95
Remeasurement of Defined Benefits Plans (net of Tax)	-	-	-	-	-	-	-	-	-	-
<b>Appropriations</b>	-	-	-	-	-	-	-	-	-	-
Transfer to / from General reserve	-	-	-	-	-	-	-	(9.67)	-	(9.67)
Interim Dividend	-	-	-	-	-	-	-	(27.11)	-	(27.11)
Bonus	-	-	-	-	-	-	-	-	-	-
Final Dividend	-	-	-	-	-	-	-	(26.47)	-	(26.47)
Corporate Dividend tax	-	-	-	-	-	-	-	(11.01)	-	(11.01)
Pre-operative expenses	-	-	-	-	-	-	-	-	-	-
<b>Balance as at 31.03.2020</b>	-	-	<b>18.57</b>	-	-	<b>22.37</b>	<b>25.80</b>	<b>484.06</b>	-	<b>550.80</b>

# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE -17 (Contd.)

#### RESERVES & SURPLUS Contd...

**CAPITAL RESERVE** : Grant / Funds received under S&T, PRE, EMSC, CCDA etc as an implementing agency and used for creation of assets are treated as Capital Reserve and depreciation thereon is debited to Capital Reserve Account. The ownership of the asset created through grants lies with the authority from whom the grant is received. The details of Capital Reserve are as below :

(₹ in Crore)

PARTICULARS	S&T Grants	UNDP Grants	CCDA Grants	EMSC Grants	CIL R&D Grants	P.R.E Grants	CMM/CBM Clearing House Grants	Total
As per last Account	3.06	0.05	0.06	-	15.36	0.33	0.01	18.87
Addition	0.06	-	-	-	0.54	-	-	0.60
Less : Depreciation & Adjustment	3.12	0.05	0.06	-	15.90	0.33	0.01	19.47
	0.31	-	-	-	0.56	0.03	-	0.90
<b>TOTAL AS ON 31-03-2020</b>	<b>2.81</b>	<b>0.05</b>	<b>0.06</b>	<b>-</b>	<b>15.34</b>	<b>0.30</b>	<b>0.01</b>	<b>18.57</b>
TOTAL AS ON 31-03-2019	3.06	0.05	0.06	-	15.36	0.33	0.01	18.87



**Central Mine Planning and Design Institute Limited****NOTES TO THE FINANCIAL STATEMENTS****NOTE 18: BORROWINGS**

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Non-Current</b>		
Term Loans		
- From Banks	-	-
- From Other Parties	-	-
Loans from Related Parties	-	-
Other Loans	-	-
<b>Total</b>	-	-
<b>CLASSIFICATION</b>		
Secured	-	-
Unsecured	-	-
<b>Current</b>		
Loans repayable on demand		
- From Banks	-	-
- From Other Parties	-	-
Loans from Related Parties	-	-
Other Loans	-	-
<b>Total</b>	-	-
<b>CLASSIFICATION</b>		
Secured	-	-
Unsecured	-	-



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 19 :TRADE PAYABLES

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Current</b>		
Trade Payables for Micro, Small and Medium Enterprises	0.07	0.20
Other Trade Payables for		
- Stores and Spares	1.14	2.06
- Power and Fuel	1.06	-
Salary Wages and Allowances	35.35	35.76
- Others Expenses	49.60	143.68
<b>Total</b>	<b>87.22</b>	<b>182.96</b>

### Trade payables - Total outstanding dues of Micro & Small enterprises

	31.03.2020	31.03.2019
a) Principal & Interest amount remaining unpaid but not due as at period end	0.07	0.20
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



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 20 : OTHER FINANCIAL LIABILITIES

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Non Current</b>		
Security Deposits	2.38	1.97
Earnest Money	0.82	3.21
Others *	82.30	68.76
<b>Total</b>	<b>85.50</b>	<b>73.94</b>
<b>Current</b>		
Surplus fund from Subsidiaries	-	-
Current Account with	-	-
- Subsidiaries	-	-
- IICM	-	-
Current maturities of long-term debt	-	-
Unpaid dividends	-	-
Security Deposits	2.27	2.04
Earnest Money	4.27	1.14
Payable for Capital Expenditure	6.25	3.83
Others *	2.16	1.48
<b>Total</b>	<b>14.95</b>	<b>8.49</b>

Note: Others\* Includes -

	31.03.2020	31.03.2019
CONTRACTORS KEEP BACK	3.02	2.53
EXPLORATION KEEP BACK	77.54	64.46
ADV & DEPOSITS FROM EMPLOYEES	3.33	3.25
LEASE LIABILITY	0.57	-
<b>Total</b>	<b>84.46</b>	<b>70.24</b>



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 21 : PROVISIONS

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Non Current</b>		
Employee Benefits		
- Gratuity	103.78	111.86
- Leave Encashment	89.91	68.29
- Other Employee Benefits	50.34	35.54
Site Restoration/Mine Closure	-	-
Stripping Activity Adjustment	-	-
Others	0.02	0.03
<b>Total</b>	<b>244.05</b>	<b>215.72</b>
<b>Current</b>		
Employee Benefits		
- Gratuity	26.11	26.75
- Leave Encashment	13.81	14.66
- Ex- Gratia	14.86	14.96
- Performance Related Pay	89.17	103.04
- Provision for National Coal Wages Agreement (NCWA)		5.29
- Executive Pay Revision	-	-
- Other Employee Benefits	20.76	27.64
	<b>164.71</b>	<b>192.34</b>
Site Restoration/Mine Closure	-	-
Excise Duty on Closing Stock of Coal	-	-
Others*	22.71	37.79
<b>Total</b>	<b>187.42</b>	<b>230.13</b>

Others\* This amount includes the estimated provisions of Revenue Expenses.

# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 22 : OTHER NON CURRENT LIABILITIES

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Shifting &amp; Rehabilitation Fund</b>	-	-
Deferred Income	-	-
<b>Total</b>	-	-

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 23 : OTHER CURRENT LIABILITIES

(₹ in Crore)

	As at 31.03.20	As at 31.03.19
<b>Statutory Dues:</b>		
Statutory Dues	44.89	49.02
Advance for Coal Import	-	-
Advance from customers / others	14.55	11.36
Cess Equalization Account	-	-
Others liabilities*	75.60	59.90
<b>Total</b>	<b>135.04</b>	<b>120.28</b>

**Note - Others liabilities \***

	31.03.2020	31.03.2019
C B M CELL	3.53	3.73
RELIEF FUND	0.04	0.03
EVWF	0.01	0.01
OTHER DEDUCTION	0.20	0.10
CREDIT FOR STALE CHEQUES	0.15	0.16
UNPAID FROM IMPREST	0.17	0.28
MINING ELECTRONIC GRANT	0.01	0.01
TESTING LABORATORY	0.28	0.28
UNDP FUND	0.27	0.27
CIL CIMFR FUND	0.21	0.21
FUNDS & OTHERS	70.73	54.82
<b>Total</b>	<b>75.60</b>	<b>59.90</b>



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 23 (Contd.)

#### OTHER CURRENT LIABILITIES (CONTD...)

Grants/Funds received under S&T, PRE, Detailed Drilling, R&D and disbursement thereof during the year are as below :

(₹ in Crore)

PARTICULARS	S&T GRANTS	PRE GRANTS	CCDA GRANTS	DETAILED EXPLORATION FOR NON-CIL	MINISTRY OF STEEL	CIL R&D FUNDS	Total
<b>Opening Balance as on 01-04-2019</b>	<b>0.48</b>	<b>2.36</b>	<b>0.25</b>	<b>0.23</b>	<b>0.26</b>	<b>4.39</b>	<b>7.97</b>
Addition							
1. MINISTRY OF COAL	18.78	72.59		594.38		-	685.75
2. MINISTRY OF STEEL	-					-	-
3. CIL KOLKATA	-	-	-	-	-	18.10	18.10
4. ADJUSTMENT	-	-	-	-	-	0.01	0.01
5. BANK INTEREST ON FUND	0.07	0.38	0.01	1.18		0.51	2.15
6. UNSPENT MONEY REFUND	0.07	-	-	-		11.94	12.01
	<b>19.40</b>	<b>75.33</b>	<b>0.26</b>	<b>595.79</b>	<b>0.26</b>	<b>34.95</b>	<b>725.99</b>
Less : Disbursement / Utilisation	19.16	72.29		592.48	0.00	20.60	704.53
							0.00
<b>Closing Balance as on 31-03-2020</b>	<b>0.24</b>	<b>3.04</b>	<b>0.26</b>	<b>3.31</b>	<b>0.26</b>	<b>14.35</b>	<b>21.46</b>

# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE - 24 : REVENUE FROM OPERATIONS

(₹ in Crore)

	For the Year ended	For the Year ended
	31.03.2020	31.03.2019
<b>A. Sales of Services</b>	<b>1,629.66</b>	<b>1,503.84</b>
Less -.Other Statutory Levies	248.35	229.28
<b>Net Sales (A)</b>	<b>1381.31</b>	<b>1274.56</b>
<b>B. Other Operating Revenue</b>		
Subsidy for Sand Stowing & Protective Works	-	-
Facilitation charges for coal import	-	-
Loading and additional transportation charges	-	-
Less: Statutory Levies (excluding Excise)	-	-
	-	-
Evacuation facilitating Charges	-	-
Less: Statutory Levies	-	-
	-	-
<b>Other Operating Revenue (B)</b>	<b>-</b>	<b>-</b>
<b>Revenue From Operations (A+B)</b>	<b>1381.31</b>	<b>1274.56</b>





# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 25 : OTHER INCOME

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
<b><u>Interest Income</u></b>	<b>7.95</b>	7.28
<b><u>Dividend Income</u></b>	-	-
<b><u>Other</u></b>		
Apex charges	-	-
Profit on Sale of Assets	<b>0.04</b>	0.06
Gain on Foreign exchange Transactions	-	-
Lease Rent	-	-
Liability / Provision Write Backs	<b>1.24</b>	0.02
Misc. Income	<b>12.74</b>	5.65
<b>Total</b>	<b>21.70</b>	13.01

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 26 : COST OF MATERIALS CONSUMED

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
Explosives	-	-
Timber	-	-
Oil & Lubricants	<b>10.90</b>	10.87
HEMM Spares	-	-
Other Consumable Stores & Spares	<b>12.47</b>	12.67
<b>Total</b>	<b>23.37</b>	23.54

# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 27 : CHANGES IN INVENTORIES OF FINISHED GOODS, WORK IN PROGRESS AND STOCK IN TRADE

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
Opening Stock of Coal		
Add: Adjustment of opening stock	-	-
Less: Deterioration of Coal	-	-
	-	-
Closing Stock of Coal	-	-
Less: Deterioration of Coal	-	-
	-	-
<b>A. Change in Inventory of Coal</b>	-	-
Goods and WIP	-	-
Add: Adjustment of Opening Stock	-	-
Less: Provision	-	-
	-	-
Add: WIP	-	-
Less: Provision	-	-
	-	-
<b>B. Change in Inventory of workshop</b>	-	-
Press Opening Job		
i) Finished Goods	-	-
ii) Work in Progress	-	-
	-	-
Less: Press Closing Job		
i) Finished Goods	-	-
ii) Work in Progress	-	-
	-	-
<b>C. Change in Inventory of Closing Stock of Press Job</b>	-	-
<b>Change in Inventory of Stock in trade (A+B+C)</b>	-	-
<b>{Decretion / ( Accretion)}</b>	-	-



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 28 : EMPLOYEE BENEFITS EXPENSES

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
Salary and Wages (incl. Allowances and Bonus etc.)	335.92	350.33
Contribution to P.F. & Other Funds	57.24	72.09
Staff welfare Expenses	172.69	102.68
<b>Total</b>	<b>565.85</b>	<b>525.10</b>

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 29 : CORPORATE SOCIAL RESPONSIBILITY EXPENSE

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
CSR Expenses	3.07	1.58
<b>Total</b>	<b>3.07</b>	<b>1.58</b>

**Central Mine Planning and Design Institute Limited****NOTES TO THE FINANCIAL STATEMENTS****NOTE 30 : REPAIRS**

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
Building	7.76	6.30
Plant & Machinery	9.67	8.15
Others	10.63	10.13
<b>Total</b>	<b>28.06</b>	<b>24.58</b>

**NOTES TO THE FINANCIAL STATEMENTS****NOTE 31 : CONTRACTUAL EXPENSES**

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
Transportation Charges :		
Hiring of Plant and Equipments	-	-
Other Contractual Work	378.93	354.78
<b>Total</b>	<b>378.93</b>	<b>354.78</b>



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 32 : FINANCE COSTS

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
Interest Expenses		
Borrowings	-	-
Unwinding of discounts	0.05	-
Others	0.15	0.14
<b>Total</b>	<b>0.20</b>	<b>0.14</b>

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 33 : PROVISIONS (NET OF REVERSAL)

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
<b>(A) ALLOWANCE / PROVISION MADE FOR</b>		
Doubtful debts	-	1.13
Grade Variance		
Doubtful Advances & Claims	-	-
Stores & Spares	-	-
Others	-	0.20
<b>Total (A)</b>	<b>-</b>	<b>1.33</b>
<b>(B) ALLOWANCE / PROVISION REVERSAL</b>		
Doubtful debts	-	-
Grade Variance		
Doubtful Advances & Claims	-	-
Stores & Spares	-	-
Others	-	-
<b>Total (B)</b>	<b>-</b>	<b>-</b>
<b>Total (A-B)</b>	<b>-</b>	<b>1.33</b>



**Central Mine Planning and Design Institute Limited****NOTES TO THE FINANCIAL STATEMENTS****NOTE 34 : WRITE OFF ( Net of past provisions)**

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
Doubtful debts	-	-
Less :- Provided earlier	-	-
Grade Variance	-	-
Doubtful advances	-	-
Less :- Provided earlier	-	-
	-	-
Stock of Coal	-	-
Less :- Provided earlier	-	-
	-	-
Others	-	-
Less :- Provided earlier	-	-
	-	-
<b>Total</b>	-	-



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 35 : OTHER EXPENSES

(₹ in Crore)

	For the year ended 31.03.2020	For the year ended 31.03.2019
Traveling expenses	20.36	19.13
Training Expenses	1.32	3.23
Telephone & Postage	3.89	1.93
Advertisement & Publicity	2.39	1.84
Freight Charges	-	-
Demurrage	-	-
Security Expenses	18.70	17.73
Service Charges of CIL	-	-
Hire Charges	8.41	7.25
Legal Expenses	0.04	0.05
Consultancy Charges	0.40	2.57
Under Loading Charges	-	-
Loss on Sale/Discard/Surveyed of Assets	0.03	-
Auditor's Remuneration & Expenses		
- For Audit Fees	0.21	0.11
- For Taxation Matters	0.01	-
- For Other Services	0.09	0.04
- For Reimbursement of Exps.	0.22	0.22
Internal & Other Audit Expenses	0.66	0.58
Rehabilitation Charges	-	-
Rent	0.55	0.42
Rates & Taxes	0.59	0.81
Insurance	0.11	0.08
Loss on Exchange Rate Variance	-	-
Rescue/Safety Expenses	-	-
Dead Rent/Surface Rent	-	-
Siding Maintenance Charges	-	-
R & D expenses	-	-
Environmental & Tree Plantation Expenses	0.37	0.47
Miscellaneous expenses	10.93	9.63
<b>Total</b>	<b>69.28</b>	<b>66.09</b>

# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 36 : Tax Expense

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
Current Year	79.03	66.10
Deferred tax	24.44	26.24
MAT Credit Entitlement	-	(0.64)
Earlier Years	15.76	(1.15)
<b>Total</b>	<b>119.23</b>	<b>90.55</b>

Reconciliation of tax Expenses and the Accounting profit multiplied by India's domestic Tax rate for 31.03.2019	For the year ended 31.03.20	For the year ended 31.03.19
<b>Profit Before Tax</b>	312.62	263.82
At income tax rate of 25.168%/34.944%	78.68	92.18
Less Tax on allowable expenses	21.70	42.20
Add: Tax on non deductible expenses	22.05	16.12
Income Tax Expenses as per normal (A)	79.03	66.10
Income tax under MAT provision(Sec 115JB) (B)	-	55.23
<b>Tax Payable higher of A/B</b>	<b>79.03</b>	<b>66.10</b>
MAT credit entitlement	-	(0.64)
Deferred tax	24.44	26.24
Tax for earlier years	15.76	(1.15)
<b>Income tax expenses reported in statement of profit &amp; loss</b>	<b>119.23</b>	<b>90.55</b>
<b>Effective income tax rate:</b>	<b>38.14</b>	<b>34.32</b>



# Central Mine Planning and Design Institute Limited

## NOTES TO THE FINANCIAL STATEMENTS

### NOTE 37 : Other Comprehensive Income

(₹ in Crore)

	For the year ended 31.03.2020	For the year ended 31.03.2019
<b>(A) (i) Items that will not be reclassified to profit or loss</b>		
Re-measurement of defined benefit plans	(8.60)	(6.39)
	(8.60)	(6.39)
<b>(ii) Income tax relating to items that will not be reclassified to profit or loss</b>		
Re-measurement of defined benefit plans	(2.16)	(2.23)
	(2.16)	(2.23)
<b>Total (A)</b>	<b>(6.44)</b>	<b>(4.16)</b>
<b>(B) (i) Items that will be reclassified to profit or loss</b>		
Share of OCI in Joint ventures	-	-
	-	-
<b>(ii) Income tax relating to items that will be reclassified to profit or loss</b>		
Share of OCI in Joint ventures	-	-
	-	-
<b>Total (B)</b>		-
<b>Total (A+B)</b>	<b>(6.44)</b>	<b>(4.16)</b>



## 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. 38.08 crore respectively as on March 31, 2020.

## 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:

- a) the parties to the contract have approved the contract and are committed to perform their respective obligations;
- b) the Company can identify each party's rights regarding the goods or services to be transferred;
- c) the Company can identify the payment terms for the goods or services to be transferred;
- d) 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
- e) 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:

- a) the contracts are negotiated as a package with a single commercial objective;
- b) the amount of consideration to be paid in one contract depends on the price or performance of the other contract; or
- c) 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.

### **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 the pricing formula adopted for different categories of customers. The services rendered to Holding company and its other subsidiaries are priced uniformly at cost plus service charges of 10% for P&D service and 7.5% for Departmental drilling services, for drilling services performed by outsourced agencies service charges range from 7.5% to 20%. Environment monitoring jobs are carried out at 90% of Central Pollution Control Board (CPCB) rate of 2017. A separate cost centre (Geomatics) introduced w.e.f. 01.04.2018, previously it was included in P&D jobs (internal consultancy).

## **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 remeasuring 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
Railway Sidings	:	15 years
Plant and Equipment	:	5-30 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.

Value of "Other Lands" includes land acquired under Coal Bearing Area (Acquisition & Development) (CBA) Act, 1957, Land Acquisition Act, 1894, 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 Equipment and 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

Cost of Software recognized as intangible asset, is amortised on straight line method over a period of legal right to use or three years, whichever is less; with a nil residual value.

## 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**

All short term employee benefits are recognized in the period in which they are incurred.

### **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 for Provident fund and Pension under which the company pays fixed contribution into fund maintained by a separate statutory body (Coal Mines Provident Fund) constituted under an enactment of law 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 Employee benefits**

Certain other employee benefits namely benefit on account of LTA, LTC, Life Cover scheme, Group personal Accident insurance scheme, settlement allowance, post-retirement medical benefit scheme and compensation to dependents of deceased in mine accidents etc., are also recognised on the same basis as described above for defined benefits plan. These benefits do not have specific funding.



## 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 judgment in deciding whether individual items or groups of item are material in the financial statements. Materiality is judged by reference to the size and nature of the item. The deciding factor is whether omission or misstatement could individually or collectively influence the economic decisions that users make on the basis of the financial statements. Management also uses judgement of materiality for determining the compliance requirement of the Ind AS. In particular circumstances, either the nature or the amount of an item or aggregate of items could be the determining factor. 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 Operations (net of statutory levies) as per 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 consolidated 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 gratuity plan and other post-employment medical benefits and the present value of the gratuity obligation 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. Future salary increases and gratuity increases are based on expected future inflation rate.

### **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  
PERIOD ENDED 31<sup>st</sup> MARCH, 2020.**

**1. Fair Value Measurement**

**(a) Financial Instruments by Category**

(₹ in Crore)

	<b>31<sup>st</sup> March 2020</b>		<b>31<sup>st</sup> March 2019</b>	
	FVTPL	Amortised cost	FVTPL	Amortised cost
<b>Financial Assets</b>				
Investments :		-		-
Preference Share in Subsidiary				
- Equity Component		-		-
- Debt Component				
Mutual Fund/ICD		-		-
Loans		-		-
Deposits & receivable		53.16		59.89
Trade receivables		550.21		579.98
Cash & cash equivalents		241.60		135.62
Other Bank Balances		-		-
<b>Financial Liabilities</b>		-		-
Borrowings		-		-
Trade payables		87.22		220.75
Security Deposit and Earnest money		9.74		8.36
Other Liabilities		90.71		74.07

**(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.



# ANNUAL REPORT & ACCOUNTS 2019-20

(₹ in Crore)

Financial assets and liabilities measured at fair value	31 <sup>st</sup> March 2020			31 <sup>st</sup> March 2019		
	Level I	Level II	Level III	Level I	Level II	Level III
<b>Financial Assets at FVTPL</b>						
Investments :	-	-	-	-	-	-
Mutual Fund/ICD	-	-	-	-	-	-
<b>Financial Liabilities</b>						
If any item	-	-	-	-	-	-

(₹ in Crore)

Financial assets and liabilities measured at amortised cost for which fair values are disclosed.	31 <sup>st</sup> March 2020			31 <sup>st</sup> March 2019		
	Level I	Level II	Level III	Level I	Level II	Level III
<b>Financial Assets at FVTPL</b>						
Investments :			-			-
Preference Shares						
- Equity Component						
- Debt Component						
- Other Investments			-			-
Loans			-			-
Deposits, receivable			53.16			59.89
Trade receivables			550.21			579.98
Cash & cash equivalents			241.60			135.62
Other Bank Balances			-			-
<b>Financial Liabilities</b>			-			-
Borrowings			-			-
Trade payables			87.22			220.75
Security Deposit and Earnest money			9.74			8.36
Other Liabilities			90.71			74.07

**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.

**Expected credit loss:** The Company provides for expected credit risk loss for doubtful/ credit impaired assets, by lifetime expected credit losses (Simplified approach).

Expected Credit losses for trade receivables under simplified approach

(₹ in Crore)

	31.03.2020	31.03.2019
Gross Carrying Amount	553.26	583.84
Expected Loss rate	0.55%	0.66%
Expected Credit Loss allowance	3.05	3.86

**31.03.2020**

(₹ in Crore)

Ageing	Due for 2 month	Due for 6 month	Due for 1 years	Due for 2 years	Due for 3 years	Due for more than 3 years	Total
Gross Carrying Amount	323.56	113.00	46.34	21.53	9.60	39.23	553.26
Expected Loss rate	-	-	-	-	-	7.77%	0.55%
Expected Credit (Loss allowance provision)	-	-	-	-	-	3.05	3.05

31.03.2019

(₹ in Crore)

Ageing	Due for 2 month	Due for 6 month	Due for 1 years	Due for 2 year	Due for 3 year	Due for more than 3 year	Total
Gross Carrying Amount	287.18	130.90	103.93	15.57	18.08	28.18	583.84
Expected Loss rate	-	-	-	-	-	13.70%	0.66%
Expected Credit (Loss allowance provision)	-	-	-	-	-	3.86	3.86

**Reconciliation of loss allowance provision – Trade receivables**

(₹ in Crore)

<b>Loss allowance on 01.04.2019</b>	3.86
Change in loss allowance	(0.81)
<b>Loss allowance on 31.03.2020</b>	3.05

**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)

	31.03.2020	31.03.2019
Equity Share capital	38.08	38.08
Preference share capital	NIL	NIL
Long term debt	NIL	NIL

## 3. Employee Benefits: Recognition and Measurement (Ind AS-19)

### a) Gratuity

Gratuity is maintained as a defined benefit retirement plan and contribution is made to the Life Insurance Corporation of India. The liability or asset recognised in the balance sheet in respect of defined benefit gratuity plans 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 annually by actuaries using the projected unit credit method. Remeasurement gains and losses arising from experience adjustments and changes in actuarial assumptions are recognised in the period in which they occur, directly in other comprehensive income.

### b) Leave encashment

The liabilities for earned leave are expected to be settled 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. Re-measurements as a result of experience adjustments and changes in actuarial assumptions are recognised in other comprehensive income.

### c) Provident Fund:

Company pays fixed contribution towards Provident Fund and Pension Fund at pre-determined rates to a separate trust named Coal Mines Provident Fund (CMPF), which invests the fund in permitted securities. The contribution towards the fund during the period is ₹ 34.56 Crore (₹ 47.67 Crore) has been recognized in the Statement of Profit & Loss (Note 28)..

### d) The Company operates some defined benefit plans as follows which are valued on actuarial basis:

#### (i) Funded-

- Gratuity

**(ii) Unfunded**

- Leave Encashment
- Life Cover Scheme
- Settlement Allowance
- Group Personal Accident Insurance
- Leave Travel Concession
- Medical Benefits
- Compensation to dependent on Mine Accident Benefits

Total liability as on 31.03.2020 based on valuation made by the Actuary, details of which are mentioned below is ₹ 371.26 crore. The total Liability of Gratuity is ₹ 170.20 crore out of which ₹ 42.45 crore is funded.

The actuarial liability as on 31.03.2020:

(₹ in Crore)

Head	Opening Actuarial Liability as on 01.04.2019	Incremental Liability during the period	Closing Actuarial Liability as on 31.03.2020
Gratuity	162.07	8.13	170.20
Earned Leave	55.41	14.08	69.49
Half Pay Leave	21.59	7.07	28.66
Life Cover Scheme	0.61	0.06	0.67
Settlement Allowance Executives	2.64	0.02	2.66
Settlement Allowance Non-executives	0.87	0.01	0.88
Group Personal Accident Insurance Scheme	0.05	0.00	0.05
Leave Travel Concession	3.45	0.21	3.66
Medical Benefits Executives	63.91	21.76	85.67
Medical Benefits Non-Executives	6.94	2.38	9.32
Compensation to dependents in case of mine accidental death			
<b>Total</b>	<b>317.54</b>	<b>53.72</b>	<b>371.26</b>

**(ii) Disclosure as per Actuary's Certificate**

The disclosures as per actuary's certificate for employee benefits for Gratuity (funded) and Leave Encashment are given below: -





**ACTUARIAL VALUATION OF GRATUITY LIABILITY AS AT 31.03.2020  
CERTIFICATES AS PER IND AS 19**

**Table 1: Disclosure Item**

(₹ in Crores)

31.03.2019	Changes in Present Value of Obligation as at	31.03.2020
167.54	Present value of obligation as on last valuation	162.07
10.79	Current Service Cost	13.15
11.40	Interest Cost	9.92
-	Participant Contribution	-
-	Plan Amendments: Vested portion at end of period(Past Service)	-
-	Plan Amendments: Non-Vested portion at end of period (Past Service)	-
1.65	Actuarial gain/loss on obligations due to Change in Financial Assumption	11.13
-	Actuarial gain/loss on obligations due to Change in Demographic assumption	-
3.78	Actuarial gain/loss on obligations due to Unexpected Experience	-2.44
-	Actuarial gain/loss on obligations due to Other reason	-
-	The effect of change in Foreign exchange rates	-
33.09	Benefits Paid	23.63
-	Acquisition Adjustment	-
-	Disposal/Transfer of Obligation	-
-	Curtailment cost	-
-	Settlement Cost	-
-	Other (Unsettled Liability at the end of the valuation date)	-
162.07	Present value of obligation as on valuation date	170.20

**Table 2: Disclosure Item**

(₹ in Crores)

31.03.2019	Changes in Fair Value of Plan Assets as at	31.03.2020
37.59	Fair value of Plan Assets at Beginning of period	24.38
2.84	Interest Income	1.61
18.00	Employer Contributions	40.00
-	Participant Contributions	-
-	Acquisition/Business Combination	-
-	Settlement Cost	-
33.09	Benefits Paid	23.63
-	The effect of asset ceiling	-
-	The effect of change in Foreign Exchange Rates	-
-	Administrative Expenses and Insurance Premium	-
-0.96	Return on Plan Assets excluding Interest Income	0.09
24.38	Fair value of Plan Assets at End of measurement period	42.45

**Table 3: Disclosure Item**

(₹ in Crores)

31.03.2019	Table Showing Reconciliation to Balance Sheet	31.03.2020
-137.69	Funded Status	-127.75
-	Unrecognized Past Service Cost	-
-	Unrecognized Actuarial gain/loss at end of the period	-
-	Post Measurement Date Employer Contribution(Expected)	-
-	Unfunded Accrued/Prepaid Pension cost	-
24.38	Fund Asset	42.45
162.07	Fund Liability	170.20

**Table 4: Disclosure Item**

31.03.2019	Table Showing Plan Assumptions	31.03.2020
7.75%	Discount Rate	6.60%
7.75%	Expected Return on Plan Asset	6.60%
9.00% for Executives & 6.25 % for Non-Executives	Rate of Compensation Increase(Salary Inflation)	9.00% for Executives & 6.25 % for Non-Executives
N/A	Pension Increase Rate	N/A
15,16	Average expected future service (Remaining working Life)	15,17
15,16	Average Duration of Liabilities	15,17
IALM 2006-2008 Ultimate	Mortality Table	IALM 2006-2008 Ultimate
60	Superannuation at age-Male	60
60	Superannuation at age-Female	60
0.30%	Early Retirement & Disablement (All Causes Combined)	0.30%

**Table 5: Disclosure Item**

(₹ in Crores)

31.03.2019	Expense Recognized in statement of Profit/Loss as at	31.03.2020
10.79	Current Service Cost	13.15
-	Past Service Cost (vested)	-
-	Past Service Cost (Non-Vested)	-
8.56	Net Interest Cost	8.31
-	Cost (Loss)/(Gain) on settlement	-
-	Cost (Loss)/(Gain) on curtailment	-
-	Actuarial Gain loss Applicable only for last year	-
-	Employee Expected Contribution	-
-	Net Effect of changes in Foreign Exchange Rates	-
19.35	Benefit Cost (Expense Recognized in Statement of Profit/loss)	21.46



**Table 6: Disclosure Item**

(₹ In Crores)

31.03.2019	Other Comprehensive Income	31.03.2020
1.65	Actuarial gain/loss on obligations due to Change in Financial Assumption	11.13
0.00	Actuarial gain/loss on obligations due to Change in Demographic assumption	-
3.78	Actuarial gain/loss on obligations due to Unexpected Experience	-2.44
	Actuarial gain/loss on obligations due to Other reason	-
5.43	<b>Total Actuarial (gain)/losses</b>	8.69
-0.96	Return on Plan Asset, Excluding Interest Income	0.09
	The effect of asset ceiling	
6.39	Balance at the end of the Period	8.60
6.39	Net(Income)/Expense for the Period Recognized in OCI	<b>8.60</b>

**Table 7: Disclosure Item**

(₹ In Crores)

31.03.2019	Table Showing Allocation of Plan Asset at end Measurement Period	31.03.2020
-	Cash & Cash Equivalents	-
-	Investment Funds	-
-	Derivatives	-
-	Asset-Backed Securities	-
-	Structured Debt	-
-	Real Estates	-
-	Special Deposit Scheme	-
-	State Government Securities	-
-	Government of India Assets	-
-	Corporate Bonds	-
-	Debt Securities	-
-	Annuity Contracts/Insurance Fund	-
-	Other	-
-	<b>Total</b>	-

**Table 8: Disclosure Item**

31.03.2019	Table Showing Total Allocation in % of Plan Asset at end Measurement	31.03.2020
-	Cash & Cash Equivalents	-
-	Investment Funds	-
-	Derivatives	-
-	Asset-Backed Securities	-
-	Structured Debt	-
-	Real Estates	-

-	Special Deposit Scheme	-
-	State Government Securities	-
-	Government of India Assets	-
-	Corporate Bonds	-
-	Debt Securities	-
-	Annuity Contracts/Insurance Fund	-
-	Other	-
-	<b>Total</b>	-

**Table 9: Disclosure Item**

Mortality Table	
Age	Mortality (Per Annum)
25	0.000984
30	0.001056
35	0.001282
40	0.001803
45	0.002874
50	0.004946
55	0.007888
60	0.011534
65	0.0170085
70	0.0258545

**Table 10: Disclosure Item**

(₹ In Crores)

31.03.2019		Sensitivity Analysis	31.03.2020	
Increase	Decrease		Increase	Decrease
157.04	167.50	Discount Rate (-/+ 0.5%)	164.13	176.82
- 3.11%	3.35%	%Change Compared to base due to sensitivity	-3.57%	3.89%
164.65	159.49	Salary Growth (-/+ 0.5%)	173.11	167.38
1.59%	-1.60%	%Change Compared to base due to sensitivity	1.71%	-1.66%
162.22	161.93	Attrition Rate (-/+ 0.5%)	170.40	170.01
0.09%	-0.09%	%Change Compared to base due to sensitivity	0.11%	-0.11%
162.95	161.19	Mortality Rate (-/+ 10%)	171.17	169.24
0.54%	-0.54%	%Change Compared to base due to sensitivity	0.57%	-0.57%

**Table 11: Disclosure Item**

(₹ In Crores)

Table Showing Cash Flow Information	(₹ In Crores)
Next Year Total (Expected)	164.15
Minimum Funding Requirements	144.45
Company's Discretion	-



**Table 12: Disclosure Item**

Table Showing Benefit Information Estimated Future payments ( Past Service)	
Year	
1	24.75
2	28.14
3	22.67
4	18.87
5	22.36
6 to 10	57.12
More than 10 years	171.12
Total Undiscounted Payments Past and Future Service	-
Total Undiscounted Payments related to Past Service	345.02
Less Discount For Interest	174.82
Projected Benefit Obligation	170.20

**Table 13: Disclosure Item**

(₹ In Crores)

Table Showing Outlook Next Year Components of Net Periodic benefit Cost Next Period	
	(₹ In Crores)
Current service Cost(Employer portion Only) Next period	13.29
Interest Cost next period	10.42
Expected Return on Plan Asset	11.23
Unrecognized past service Cost	-
Unrecognized actuarial/gain loss at the end of the period	-
Settlement Cost	-
Curtailment Cost	-
other( Actuarial Gain/loss)	-
Benefit Cost	12.48

**Table 14: Disclosure Item**

(₹ In Crores)

31.03.2019	Table Showing expected return on Plan Asset at end Measurement Period	31.03.2020
25.83	Current liability	23.97
140.67	Non-Current Liability	146.23
166.50	Net Liability	170.20

# ACTUARIAL VALUATION OF LEAVE ENCASHMENT BENEFIT (EL/HPL) AS AT 31.03.2020

## CERTIFICATES AS PER IND AS 19

**Table 1: Disclosure Item**

(₹ in Crores)

31.03.2019	Changes in Present Value of Obligation as at	31.03.2020
73.56	Present value of obligation as on last valuation	77.00
4.54	Current Service Cost	4.59
4.93	Interest Cost	4.36
-	Participant Contribution	-
-	Plan Amendments: Vested portion at end of period (Past Service)	-
-	Plan Amendments: Non-Vested portion at end of period (Past Service)	-
1.09	Actuarial gain/loss on obligations due to Change in Financial Assumption	8.68
-	Actuarial gain/loss on obligations due to Change in Demographic assumption	-
9.54	Actuarial gain/loss on obligations due to Unexpected Experience	25.45
-	Actuarial gain/loss on obligations due to Other reason	-
-	The effect of change in Foreign exchange rates	-
16.65	Benefits Paid	21.93
-	Acquisition Adjustment	-
-	Disposal/Transfer of Obligation	-
-	Curtailment cost	-
-	Settlement Cost	-
-	Other (Unsettled Liability at the end of the valuation date)	-
77.00	Present value of obligation as on valuation date	98.15

**Table 2: Disclosure Item**

(₹ in Crores)

31.03.2019	Changes in Fair Value of Plan Assets as at	31.03.2020
-	Fair value of Plan Assets at Beginning of period	-
-	Interest Income	-
-	Employer Contributions	-
-	Participant Contributions	-
-	Acquisition/Business Combination	-
-	Settlement Cost	-
-	Benefits Paid	-
-	The effect of asset ceiling	-
-	The effect of change in Foreign Exchange Rates	-
-	Administrative Expenses and Insurance Premium	-
-	Return on Plan Assets excluding Interest Income	-
-	Fair value of Plan Assets at End of measurement period	-





**Table 3: Disclosure Item**

(₹ in Crores)

31.03.2019	Table Showing Reconciliation to Balance Sheet	31.03.2020
-77.00	Funded Status	-98.15
-	Unrecognized Past Service Cost	-
-	Unrecognized Actuarial gain/loss at end of the period	-
-	Post Measurement Date Employer Contribution(Expected)	-
-	Unfunded Accrued/Prepaid Pension cost	-
-	Fund Asset	-
77.00	Fund Liability	98.15

**Table 4: Disclosure Item**

31.03.2019	Table Showing Plan Assumptions	31.03.2020
NA	Expected Return on Plan Asset	NA
9.00% for Executive & 6.25% for Non-Executives	Rate of Compensation Increase(Salary Inflation)	9.00% for Executive & 6.25% for Non-Executives
N/A	Pension Increase Rate	N/A
15, 16	Average expected future service (Remaining working Life)	16, 17
15, 16	Average Duration of Liabilities	16, 17
IALM 2006-08 Ultimate	Mortality Table	IALM 2006-08 Ultimate
60	Superannuation at age-Male	60
60	Superannuation at age-Female	60
0.30% p.a	Early Retirement & Disablement (All Causes Combined)	0.30% p.a
Ignored	Voluntary Retirement	Ignored

**Table 5: Disclosure Item**

(₹ in Crores)

31.03.2019	Expense Recognized in statement of Profit/Loss as at	31.03.2020
4.54	Current Service Cost	4.59
-	Past Service Cost(vested)	-
-	Past Service Cost(Non-Vested)	-
4.93	Net Interest Cost	4.36
-	Cost(Loss/(Gain) on settlement	-
-	Cost(Loss/(Gain) on curtailment	-
10.63	Actuarial Gain /loss	34.13
-	Employee Expected Contribution	-
-	Net Effect of changes in Foreign Exchange Rates	-
20.10	Benefit Cost(Expense Recognized in Statement of Profit/loss)	43.08

**Table 6: Disclosure Item**

(₹ in Crores)

31.03.2019	Other Comprehensive Income	31.03.2020
-	Actuarial gain/loss on obligations due to Change in Financial Assumption	-
-	Actuarial gain/loss on obligations due to Change in Demographic assumption	-
-	Actuarial gain/loss on obligations due to Unexpected Experience	-
-	Actuarial gain/loss on obligations due to Other reason	-
-	<b>Total Actuarial (gain)/losses</b>	-
-	Return on Plan Asset, Excluding Interest Income	-
-	The effect of asset ceiling	-
-	Balance at the end of the Period	-
-	Net (Income)/Expense for the Period Recognized in OCI	-

**Table 7: Disclosure Item**

Mortality Table	
Age	Mortality (Per Annum)
25	0.000984
30	0.001056
35	0.001282
40	0.001803
45	0.002874
50	0.004946
55	0.007888
60	0.011534
65	0.0170085
70	0.0258545

**Table 8: Disclosure Item**

(₹ in Crores)

31.03.2019		Sensitivity Analysis	31.03.2020	
Increase	Decrease		Increase	Decrease
73.71	80.62	Discount Rate (-/+ 0.5%)	93.29	93.17
-4.28%	4.70%	% Change Compared to base due to sensitivity	-4.96%	5.49%
80.56	73.73	Salary Growth (-/+ 0.5%)	103.39	84.88
4.61%	-4.25%	% Change Compared to base due to sensitivity	5.34%	-4.87%
77.23	76.78	Attrition Rate (-/+ 0.5%)	98.28	88.55
0.29%	-0.29%	% Change Compared to base due to sensitivity	0.13%	-0.13%
77.42	76.59	Mortality Rate (-/+ 10%)	98.70	88.33
0.54%	-0.54%	% Change Compared to base due to sensitivity	0.56%	-0.56%
			93.29	103.54



**Table 9: Disclosure Item**

(₹ in Crores)

<b>Table Showing Benefit Information Estimated Future payments</b>	
<b>year</b>	<b>₹ In Crores</b>
1	8.50
2	10.54
3	8.50
4	8.98
5	11.50
6 to 10	37.29
More than 10 years	166.42
Total Undiscounted Payments Past and Future Service	
Total Undiscounted Payments related to Past Service	251.74
Less Discount For Interest	153.58
Projected Benefit Obligation	98.15

**Table 10: Bifurcation of Net liability**

(₹ in Crores)

<b>31.03.2019</b>	<b>Table Showing expected return on Plan Asset at end Measurement Period</b>	<b>31.03.2020</b>
8.71	Current liability	8.24
68.30	Non-Current Liability	89.92
77.00	Net Liability	98.15

#### 4. Unrecognised items:

##### a) Contingent Liabilities (Ind AS-37)

Claims against the Company not acknowledged as debts (including interest, wherever applicable)

(a1)

(₹ in Crore)

Claims against the company not acknowledged as debt			
		31.03.2020	31.03.2019
1	<b>Central Govt.</b> <b>Income Tax</b> <b>Service Tax</b> Royalty Central Excise	34.51 8.89	17.71 9.06
2	<b>State Govt. and Local authorities</b> Sales Tax Entry Tax		
3	<b>Central Public Sector Enterprises</b> Suit against the company under litigation		
4	<b>Others</b>	3.63	4.69
	<b>Total</b>	<b>47.03</b>	<b>31.46</b>

(a2)

(₹ in Crore)

SI No.	Particulars	Central Government	State Government and other localities	CPSE	Others	Total
1	Opening as on 01.04.2019	26.77			4.69	31.46
2	Addition during the year	30.85			0.02	30.87
3	Claims settled during the year					
	a. From opening balance	14.22			1.08	15.30
	b. Out of addition during the year					
	c. Total claims settled during the year (a+b)	14.22			1.08	15.30
4	Closing as on 31.03.2020	43.40			3.63	47.03



**(a3) Contingent Liability**

(₹ in Crore)

S. No.	Particulars	Amount as on 31.03.2020	Amount as on 31.03.2019
1	<b>Central Government</b>		
	Income Tax	34.51	17.71
	Others		
	Clean Energy Cess		
	Central Sales Tax		
	Service Tax	8.89	9.06
	Others (Please Specify)		
	Sub-Total	43.40	26.77
2	<b>State Government and Local Authorities</b>		
	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	3.63	4.69
	Sub-Total	3.63	4.69
	<b>Grand Total</b>	<b>47.03</b>	<b>31.46</b>

**b) Commitments (Ind AS-37)**

Estimated amount of contracts remaining to be executed on capital account not provided for others is ₹ 35.68 Crores (₹ 10.42 Crores).

Other Commitments amounts to ₹ 398.99 Crores (₹ 663.71 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 31.03.2020 are given below:

(₹ in Crore)

Provisions	Opening Balance as on 1.04.2019	Addition for the year ended 31.03.2020	Write back/ Adj. For the year ended 31.03.2020	Unwinding of discounts	Closing Balance as on 31.03.2020
<b>Note 1:-Property, Plan and Equipment:</b> Impairment of Assets :					
<b>Note 2:- Capital Work in Progress :</b> Against CWIP :					
<b>Note 3:- Exploration And Evaluation</b> Assets : Provision and Impairment:					
<b>Note 1:- Non Current Assets Held For Sale:</b> Provision :					
<b>Note 8:- Loans :</b> Other Loans :					
<b>Note 9:- Other Financial Assets:</b> Current Account with Subsidiaries : Claim receivables : Other Receivables :					
<b>Note 10:- Other Non-Current Assets :</b> Exploratory Drilling Work : Against Security Deposit for Utilities:					
<b>Note 11:- Other Current Assets :</b> Advances for Revenue : Advance Payment Against Statutory Dues: Other Deposits: Other Receivables:	0.23  0.05				0.23  0.05
<b>Note 12:-Inventories :</b> Stock of Coal : Stock of Stores & Spares :	0.60		(0.42)		0.18
<b>Note 13:-Trade Receivables :</b> Provision for bad & doubtful debts :	3.86		(0.81)		3.05
<b>Note 21 :- Non-Current &amp; Current Provision:</b> Performance related pay : NCWA: Executive Pay Revision: Mine Closure: NPS:	103.04 5.29   18.70	16.78   0.99	(30.65) (5.29)  (10.13)		89.17 0.00  9.56





## b) Authorised Share Capital

Particulars	As on 31.03.20	As on 31.03.19
15,00,000 Equity Shares of ₹1000/- each	150.00	50.00

## c) Earnings per share (Ins AS-33)

(₹ in Crore)

Sl. No.	Particulars	For the year ended 31.03.2020	For the year ended 31.03.2019
i)	Net profit after tax in Rupees (Crores) attributable to Equity Share Holders	193.39	173.27
ii)	Weighted Average no. of Equity Shares Outstanding	380800.00	380800.00
iii)	Basic and Diluted Earnings per Share in Rupees (Face value ₹ 1000/- per share)	5078.52	4550.16

## Related Party Disclosure (Ins AS-24)

### a) List of Related Parties

#### i) Subsidiary 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)

#### iii) Key Managerial Personnel

Name	Designation	W.e.f
Shekhar Saran	Chairman-Cum-Managing Director	01.01.2016
K K Mishra	Director Technical	11.10.2018
R N Jha	Director Technical	30.01.2019
A K Rana	Director Technical	01.08.2019
Satendra Kumar Gomasta	Director Technical	25.02.2020
B N Shukla	Director Technical	17.08.2017 to 14.06.2019
A K Chakraborty	Director Technical	03.08.2016 to 31.07.2019
Krishna Chandra Pandey	Independent Director	10.07.2019
Alka Panda	Independent Director	10.07.2019
Binay Dayal	Director	09.11.2017



Dr. Anindya Sinha	Govt. Nominee Director	05.02.2018
Pramod Singh Chauhan	Independent Directors	16.10.2019
Debasish Gupta	Independent Directors	17.11.2015 to 16.11.2019
Rajender Prashad	Independent Directors	17.11.2015 to 16.11.2019
B K Pandey	Chief Financial Officer	03.06.2019
Abhishek Mundhra	Company Secretary	18.02.2016

**Remuneration of Key Managerial Personnel**

(₹ in Crore)

SI No.	Remuneration to CMD, Whole Time Directors, CFO and Company Secretary	For the year ended 31.03.2020	For the year ended 31.03.2019
i)	<b>Short Term Employee Benefits</b>		
	Gross Salary	2.27	2.22
	Perquisites	0.64	0.34
	Medical Benefits	0.09	0.02
ii)	<b>Post-Employment Benefits</b>	0.57	0.27
	Contribution to P.P. & other fund		
iii)	<b>Actuarial Valuation of Defined Benefits</b>	2.02	2.00
iv)	<b>Retirement Benefits</b>	0.00	0.00
v)	<b>Termination Benefits</b>		
	Leave Encashment	0.17	
	Gratuity	0.20	NIL
	<b>TOTAL</b>	<b>5.96</b>	<b>4.85</b>

**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)

SI No.	Payment to Independent Directors	For the year ended 31.03.2020	For the year ended 31.03.2019
i)	Sitting Fees	0.15	0.12

**Balances Outstanding of Sitting Fees.**

(₹ in Crore)

SI No.	Particulars	As on 31.03.2020	As on 31.03.2019
i)	Amount Payable	Nil	Nil
ii)	Amount Receivable	Nil	Nil



### 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 31.03.20

(₹ 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	Current Account Transactions	Sales
Eastern Coalfields Limited (ECL)								0.18	98.11
Bharat Coking Coal Limited (BCCL)								0.88	63.99
Central Coalfields Limited (CCL)								5.00	110.21
Western Coalfields Limited (WCL)								0.17	121.41
South Eastern Coalfields Limited (SECL)								4.34	370.63
Northern Coalfields Limited (NCL)								1.26	73.28
Mahanadi Coalfields Limited (MCL)								0.21	67.32
Coal India Limited (CIL)								60.30	12.27

**Outstanding Balances with Related Parties**

(₹ in Crore)

Name of Related Parties	Debtors	Current Account Balances	
	Amount of outstanding balances as on 31.03.20	Receivable as on 31.03.20	Payable as on 31.03.20
Eastern Coalfields Limited	25.20	0.00	0.00
Bharat Coking Coal Limited	40.92	0.00	0.00
Central Coalfields Limited	52.41	0.00	0.00
Western Coalfields Limited	88.71	0.00	0.00
Northern Coalfields Limited	23.29	0.00	0.00
South Eastern Coalfields Limited	112.19	0.00	0.00
Mahanadi Coalfields Limited	23.23	0.00	0.00
CIL	22.81	17.14	0.00

**b) Taxation (Ind AS-12)**

An amount of ₹ 76.87 Crore (₹ 63.87 Crore) is provided in the accounts during the period ending 31.03.2020 towards income tax.

The Company is having a deferred tax asset (net) on the basis of calculation as per Ind AS-12, issued by Institute of Chartered Accountants of India.

**Calculation of Deferred Tax**

- Deferred Tax Assets and Liability are being offset as they relate to Taxes on income levied by the same governing taxation laws.
- Deferred Tax Asset / (Liability) as at 31<sup>st</sup> March, 2019 and as at 31<sup>st</sup> March, 2020 is given below:-

(₹ In Crores)

**Deferred Tax Liability:**

	<b>As at 31.03.2020</b>	<b>As at 31.03.2019</b>
Related to Fixed Assets	<b>7.81</b>	<b>7.89</b>

**Deferred Tax Asset:**

Provision for doubtful Debts, claims, etc.	0.85	1.39
Employee separation and retirement	85.16	108.98
Others	0.05	0.21
Total deferred tax Assets	86.06	110.58
<b>Net Deferred Tax Asset/ (Deferred Tax Liability) :</b>	<b>78.25</b>	<b>102.69</b>



Details of Current Tax Assets	(₹ In Crores)	
	As at 31.03.2020	As at 31.03.2019
Tax Deducted at Source	129.18	245.34
Provision for Income Tax	(76.87)	(168.68)
Current Tax Assets (Net)	52.31	76.66

**(c) 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.

**(d) 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.

₹ 39.07 cr. Related to Survey of India Fund earlier shown as revenue advance in Note-10 has now been shown under other advances & Deposits in Note-11

**(e) Current Liabilities**

Estimated liability has been provided where actual liability could not be measured.

**(f) 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.

**(g) Value of imports on CIF basis**

(₹ in Crore)

Particulars	For the year ended 31.03.2020	For the year ended 31.03.2019
(i) Raw Material	NIL	NIL
(ii) Capital Goods	3.86	2.12
(iii) Stores, Spares & Components	0.32	0.69

**(h) Expenditure incurred in Foreign Currency**

(₹ in Crore)

Particulars	For the year ended 31.03.2020	For the year ended 31.03.2019
Travelling Expenses	0.32	0.39
Training Expenses	NIL	NIL
Consultancy Charges	NIL	NIL
Interest	NIL	NIL
Stores and Spares	NIL	NIL
Capital Goods	3.86	NIL
Others	0.32	2.82

**(i) Earning in Foreign Exchange:**

Particulars	For the year ended 31.03.2020	For the year ended 31.03.2019
Travelling Expenses	NIL	NIL
Training Expenses	NIL	NIL
Consultancy Charges	NIL	NIL
Others	0.02	NIL

**j) Total Consumption of Stores and Spares (Refer Note No. 26)**

(₹ in Crore)

Particulars	For the year ended 31.03.2020		For the year ended 31.03.2019	
	Amount	% of total consumption	Amount	% of total consumption
(i) Imported Materials	0.00	0.00	0.00	0.00
(ii) Indigenous	23.37	100.00	23.54	100.00

**(k) Disaggregated revenue information:-**

(₹ in Crore)

	For the Year ended 31.03.2020	For the Year ended 31.03.2019
<b>Types of goods or service</b>		
- Coal	-	-
- Others	1381.31	1274.56
<b>Total revenue from contracts with customers</b>	<b>1381.31</b>	<b>1274.56</b>



<b>Types of customers</b>		
- Power sector	12.19	29.27
- Non-Power Sector	1369.12	1245.29
- Others or services (CMPDIL)		
<b>Total revenue from contracts with customers</b>	<b>1381.31</b>	<b>1274.56</b>
<b>Types of customers</b>		
- FSA		
- E Auction		
- Others	1381.31	1274.56
<b>Total revenue from contracts with customers</b>	<b>1381.31</b>	<b>1274.56</b>
<b>Timing of goods or service</b>		
-Goods transferred at a point in time		
-Goods transferred over time		
-Service transferred at a point in time	397.74	350.98
-service transferred over time	983.57	923.58
<b>Total revenue from contracts with customers</b>	<b>1381.31</b>	<b>1274.56</b>

**(l) Medical Benefits for retired Employees**

The Company provides Post-Retirement Medical Facility to the retired employees and their spouse. The facility is covered by separate Post-Retirement Medical scheme for executive and non-executive. Scheme for the medical benefit for executive retired prior to 01.01.2007 is administered through separate "Contributory Post-Retirement Medical Scheme for Executive Trust". Liability for the medical benefits are recognized based on actuarial valuation.

For executive retired prior to 01.01.2007 - funded status as on 31.03.2020 is ₹ 6.76 crore and liability for the same as on 31.03.2020 is ₹ 12.68 crore.

For executives retired after 01.01.2007 funded status as on 31.03.2020 is ₹ 34.62 crore and liability for the same as on 31.03.2020 is ₹ 53.84 crore.

**(m) Pension**

The company has a defined contribution pension scheme for its employees, which is administered through CIL Executive Defined Contribution Pension Scheme-2007 trust. Funded status as on 31.03.2020 is ₹ 105.85 crore (₹ 79.21 crores) and liability for the same as on 31.03.2020 is ₹ 9.56 crore (₹ 18.70 crore).

**(n) 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. On transition company has followed cumulative method i.e. recognised the cumulative effect of initially applying this Standard as an adjustment to the opening balance of retained earnings and ₹ 69,211/- has been adjusted to the opening retained earnings. For calculation of the

lease liability recognised in the balance sheet 7.75 % has been used as lessee's incremental borrowing rate.

Lease liability commitment regarding operating lease as on 31.03.2020, discounted using above lessee's incremental borrowing rate were ₹ 0.93 Crore whereas lease liability as on 31.03.2020 recognised in the Balance sheet is ₹ 0.55 Crore.

**(o) Others**

- i) The outbreak of Coronavirus (COVID -19) is causing significant disturbance and slowdown of economic activity in India and across the globe. The Company has evaluated the impact of this pandemic on its business operations. Based on its review and current indicators of economic conditions, there is no significant impact on its financial results. The Company will continue to closely monitor any material changes arising from future economic conditions and impact on its business.
- ii) Internal Audit Report – Audit not done due to pandemic for the month of Feb-2020 & March, 2020.
- iii) Previous year/period's figures have been restated, regrouped and rearranged wherever considered necessary.
- iv) Note – 1 and 2 represents Corporate information and Significant Accounting Policies respectively, Note 3 to 23 form part of the Balance Sheet as at 31<sup>st</sup> March, 2020 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.

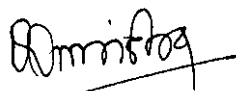
Signature to Note 1 to 37.



**(A. Mundhra)**  
Company Secretary



**(B.K. Pandey)**  
General Manager (F)



**(K.K. Mishra)**  
Director  
DIN-08256429



**(Shekhar Sharan)**  
Chairman-Cum-  
Managing Director  
DIN-06607551

In terms of our report of even date attached

**For Lodha Patel Wadhwa & Co.**

Chartered Accountants

Firm Registration No.000271C



**(CA Sanjay Kumar Wadhwa)**

Partner

Membership No. 074749

UDIN

Date : 09<sup>th</sup> June, 2020

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,  
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