

Annual Report & Accounts

2014-15



CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

(A Subsidiary of Coal India Limited)

A Mini Ratna Company (Cat-II)

GONDWANA PLACE: KANKE ROAD RANCHI - 834 031

CIN: U14292JH1975GOI 001223

Website : www.cmpdi.co.in

Vision

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

Mission

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

GENERAL NOTE FOR SHAREHOLDERS OF COAL INDIA LIMITED

The Annual Accounts of CMPDI 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



Sri Amal Kumar Debnath
Chairman-cum-Managing Director



Sri D.K. Ghosh



Sri R. K. Chopra



Sri Shekhar Saran



Sri V.K. Sinha



Sri N. Kumar



Sri D.N. Prasad



Shri Rakesh K. Mittal

MANAGEMENT DURING 2014-2015

Shri Amal Kumar Debnath : Chairman-cum-Managing Director (From 19.02.2013)

Functional Directors

Shri Dilip Kumar Ghosh : Director (Technical) (From 13.10.2011)

Shri Rajesh Kumar Chopra : Director (Technical) (From 13.01.2012)

Shri Shekhar Saran : Director (Technical) (From 01.06.2013)

Shri V.K. Sinha : Director (Technical) (From 08.01.2014)

Part – time official Director

Shri Devulapalli Narasimha Prasad : Adviser (Projects), Ministry of Coal, (From 27.01.2010)

Shri Nagendra Kumar : Director (Technical), Coal India Ltd. (From 29.02.2012)

Independent Directors/Part Time Non-Official Director

Shri Rakesh Kumar Mittal : Director (From 01.11.2013)

Permanent Invitee

Shri Sharad Ghodke : Director, Ministry of Coal, New Delhi

Company Secretary

Shri P. Lazar : Dy. G.M(Finance)/Company secretary
(From 01.04.2011)



MEMBERS OF THE BOARD AS ON 01.05.2015

Functional Directors

Shri Amal Kumar Debnath	:	Chairman-cum-Managing Director
Shri Dilip Kumar Ghosh	:	Director (Technical)
Shri Rajesh Kumar Chopra	:	Director (Technical)
Shri Shekhar Saran	:	Director (Technical)
Shri V.K. Sinha	:	Director (Technical)

Part-time Official Directors

Shri Devulapalli Narasimha Prasad	:	Adviser (Projects), Ministry of Coal, New Delhi
Shri Nagendra Kumar	:	Director (Technical), Coal India Ltd.

Independent Director

Shri Rakesh Kumar Mittal	:	Independent Director
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Permanent Invitee

Shri Sharad Ghodke	:	Director, Ministry of Coal, New Delhi
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Company Secretary

Shri P. Lazar	:	Dy. G.M (Finance)/Company secretary
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BANKERS, AUDITORS AND REGISTERED OFFICE

BANKERS

State Bank of India,
United Bank of India,
Canara Bank
Bank of Maharashtra
Union Bank of India,
Central bank of India
UCO Bank
Syndicate Bank

AUDITORS

M/s K.C.Tak & Co.
Chartered Accountants,
1, New Anantpur, Ranchi-834002.

REGISTERED OFFICE

Central Mine Planning & Design Institute Limited,
Gondwana Place, Kanke Road, Ranchi - 834 031
Jharkhand, India
CIN: U14292JH1975GOI 001223
Website: www.cmpdi.co.in



NOTICE FOR THE 40TH ANNUAL GENERAL MEETING

No. CMPDIL/CS/AGM-40/2015/3979

Dated: 04.06.2015

Notice is hereby given to all the shareholders of Central Mine Planning & Design Institute Limited that the 40th Annual General Meeting of the Company will be held on Monday, the 22nd June at 11.30A.M. at the Registered Office of the Company, Gondwana Place, Kanke Road, Ranchi to transact the following business:

A. ORDINARY BUSINESS:

1. To receive, consider and adopt the Audited Balance Sheet as on 31st March 2015, 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 appoint a Director in place of Sri D.N. Prasad (DIN-00119593) who retires by rotation in terms of Section 152(6) of the Companies Act, 2013 and being eligible, offers himself for reappointment.
3. To appoint a Director in place of Sri D.K.Ghosh (DIN-05133720) 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. 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 186th Board meeting, held on 22.05.2015 to the Cost Auditors, M/s R. Ranjan & Co, Ranchi for the year 2015-16 at Rs. 98,438/- per annum plus applicable service tax 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.

By Order of the Board of Directors

For Central Mine Planning & Design Institute Limited

Sd/-

(P. Lazar)

Dy. General Manager (Finance) / Company Secretary

N.B.

1. A member entitled to attend and vote, is entitled to appoint a proxy or proxies to attend and vote instead of himself and the proxy need not be a member of the Company. In order to be effective, the proxy form duly completed should be deposited at the registered office of the company not less than forty eight hours before the scheduled time of the Annual General Meeting.
2. Members are also requested to accord their consent for convening the meeting at a shorter notice pursuant to the provisions of the Section 101(1) of the Companies Act, 2013.
3. Pursuant to Section 142 of the Companies Act, 2013 and in accordance with the determination of the members of the company in its 27th Annual General Meeting held on 26th September 2002, authorising the Board of Directors to fix the remuneration of the Statutory Auditors appointed by Comptroller and Auditor General of India, the Board of Directors fixes the remuneration of Statutory Auditors appointed by Comptroller and Auditor General of India under Section 139 of the Companies Act, 2013.

To

All the Shareholders

All the Directors of the company

The Chairman of the Audit Committee.

The Statutory Auditor of the Company

The Secretarial Auditor of the company

The Explanatory Statements pursuant to section 102 of the Companies Act, 2013

Ratification of Remuneration of Cost Auditors for the year 2014-15.

The Companies (Cost Audit Report) Rules, 2011 were notified on 3rd June 2011. These were issued by the Ministry of Corporate Affairs (MCA) in exercise of the powers conferred by the Companies Act. MCA had mandated filing of the Compliance Report for the financial year 2011-12 and cost audit report from 2012-13 and onwards.

This Cost Accounting Policy of CMPDIL is being part of the overall Cost Accounting Policy of Coal India Limited.

With the approval of the Board of CMPDIL in its 172nd meeting held on 10.05.2013, M/s R. Ranjan & Co., Ranchi was appointed for undertaking the Cost Audit for the financial year 2013-14 to 2015-16 on the recommendation of Audit Committee.

M/s R. Ranjan & Co has taken up the cost audit for the year 2013-14 & 2014-15 and their performance was found satisfactory. The Board of Directors considered that in view of the background, experience and performance of the M/s R. Ranjan & Co. and approved the appointment of M/s R. Ranjan & Co. as Cost Auditor for the financial year 2015-16, which is subject to ratification of the appointment in General Meeting, at a remuneration to the Cost Auditors, M/s R. Ranjan & Co, Ranchi for the year 2015-16 at Rs. 98,438/- per annum plus applicable service tax and out of pocket expenses limited to 50% of the cost audit fee.

As per Section 148 of the Companies Act 2013 read with Rule 14 of Companies (Audit & Auditors) Rule 2014, the above appointment of M/s R. Ranjan & Co as Cost Auditors in the 186th Board Meeting held on 22.05.2015 is to be ratified by the company in 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 member.



Chairman's Statement

Shri Amal Kumar Debnath

Chairman-cum-Managing Director

Dear Shareholders,

I have great pleasure to extend a very warm welcome to all of you to the 40th Annual General Meeting of CMPDIL and present to you the Annual Report of your Company for the financial year 2014-15. The Report of Directors and the Audited Accounts of your Company for the period ended 31st March, 2015 together with Report of the Statutory Auditors and the report and review of the Comptroller and Auditor General of India have already been provided to all the shareholders of the Company.

1. The growth Profile

CMPDI 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.

Your company has been providing 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, field services, etc. Similar services are also being provided to clients other than CIL including clients from metal mining sectors. Additionally, CMPDI also renders services to MoP&NG and Ministry of Coal pertaining to non-CIL blocks, CBM and Shale Gas etc.

Over the years after formation of CMPDI, 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 increasing the level of expertise of CMPDI 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. 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. 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. Although, introduction of ISO Standards and computerization to some extent, including use of software related to mining industry, and addition of some equipment especially related to environmental facilities and coal characterization could be carried out, the company was falling behind in overall upgradation of its services and facilities to a level of excellence.

Capacity of drilling, one of the core activities of CMPDI, 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 turn-over was also around Rs. 150 to Rs. 200 crores (Rs. 151 crore in 2004-05 and Rs. 196 crore in 2007-08). This non-sustenance of advancement in respect of level of expertise, upgradation of technical facilities and support services and reaching a plateau in respect of the services being rendered by the company to the coal industry was necessitated to be thwarted and the distinctiveness of the company was required to be kept preserved for the interest of the coal sector as a whole in foreseeable future as CMPDI had been the herald to technological innovations and strategies adopted in the coal sector.

It was conceived that CMPDI would not only need upgradation of manpower skill and infrastructural facilities but also substantial expansion in its role as an exploration agency, consultant, technical service provider and an R&D institute. The possible way-out was in terms of enhancement in the exploration capacity, upgradation and modernisation of existing facilities and infrastructure, rationalising 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 computerisation and networking, establishing technology for development of alternative sources of coal based energy, etc.

2. Financial Performance:

During the financial year 2014-15, your company has achieved highest turnover of Rs 726.72 crore, with a profit before tax of Rs 39.33 crore. The net worth of your company has risen to Rs 178.06 crore as on 31.03.2015 from Rs 155.88 crore as on 31.03.2014. During the financial year the earning per share is Rs. 1315 from Rs.1028.

3. Drilling Performance:

Your company carried out 8.28 lakh meter of drilling during 2014-15 in comparison to 6.97 lakh meter of drilling carried out during 2013-14 through departmental resources and outsourcing, registering a growth of 19% over previous year. The target for 2015-16 has been substantially increased to 15 lakh metre (departmental exploration capacity has been raised to a level of 4 lakh meter). This necessitated emphasis on outsourcing of substantial number of coal blocks for drilling. CMPDI had entered into a long term MOU with MECL on 6th January 2009 for offering up to one lakh meter of exploratory drilling per annum to MECL in different coal blocks. The annual limit has further been enhanced to 2.5 lakh meters from 2014-15. Steps are being taken to further enhance the drilling target to 4.00 lakh meter through MoU with MECL. Nine rounds of tendering has been done since 2007-08 to 2014-15 & work orders had been placed for 50 blocks involving 17.17 lakh meters.

4. ICRIS:

Coal Resource data of the country has been captured in digital form to create a data base at all the coalfields of India as part of project entitled 'Integrated Coal Resource Information System (ICRIS)', approved by the Ministry of Coal, Govt. of India. Geological modelling of blocks /Zones, DGPS survey and conversion of map data to WGS-84 system are being carried out. The modelling job being continuous activity has been taken up as a regular departmental activity by exploration division of CMPDI. The site can be accessed by different level of users for gathering the information related to blocks of different coalfields.

5. Project Reports:

A total of 126 projects were identified for XII Plan resulting in capacity addition about 473 Mt, against which, project reports for 96 projects, with capacity addition of about 366 Mt have already been formulated.

During the year under review, 30 Project Reports have been prepared with capacity addition of about 116 Mt. Balance 30 Project Reports with capacity addition of about 107 Mt will be formulated in subsequent years of XII Plan. Further, classification of coal reserves/resources for mines/blocks in CIL command area as on 1.4.2013 was done based on United Nations Framework Classification (UNFC).

6. Upgradation of Laboratories:

Capacities of most of the laboratories in CMPDI have been upgraded. Chemical and Petrography laboratories have been upgraded with sophisticated imported equipments and the capacities have been enhanced. Environment laboratories have been upgraded at HQ, RI-I and RI-IV and established at RI-V whereas, upgradation of RI-VI Environmental lab is underway. Action for establishment of new environmental lab at RI-VII, Bhubneswar and RI-II, Dhanbad has been taken up. CMPDI is in the process of enhancing capacity of already existing state of the art CBM lab which has been added with facility of TOC equipment for shale gas potentiality assessment. Rock Eval Analyser have been commissioned at CBM Lab, CMPDI. Sub-implementing agency ARI (USA) has made simulation and assessment of Shale gas potentiality in study areas of Jharia and East Bokaro Coalfields.

7. Manpower Induction:

Manpower requirement of Exploration, Planning and Design as well as allied engineering services have been addressed. During 2014-15, 40 MTs have been posted in CMPDI through recruitment and transfer. Similarly, 675 nos. of non-executive manpower have been brought from other subsidiaries and process of addition in manpower is going on.

8. Land Reclamation Monitoring and Land use/vegetation cover mapping:

Since 2008, Satellite surveillance for land reclamation monitoring of all the opencast coal mines of CIL having production more than 5 million m³ (coal +OB) per annum was started annually. Further land reclamation monitoring of the opencast coal mines of CIL having production less than 5 million m³ per annum was also taken up from the year 2011 at the interval of three years. Land reclamation monitoring of 86 nos. of opencast projects of CIL based on high resolution satellite data has been completed during 2014-15. Vegetation cover mapping of 7 coalfields viz. Rajmahal, Raniganj, Mand-Raigarh, Sohagpur, Ib-Valley, Pench Kanhan and Umrer based on satellite data for assessing the impact of coal mining on vegetation cover/ land use pattern have been completed.

9. Assistance for setting up of coal washeries:

Your company has been providing assistance to the subsidiary companies of CIL for setting up of coal washeries, particularly, in works like testing of run-of-mine (ROM) coal, planning, BID process management and assistance in construction & commissioning of washeries. It is expected that considering the large scale requirement of washing of coal in the country, there would be major spurt in services being provided by us. Foreseeing this, engineers from prestigious institutions have been inducted for strengthening the capability. Additionally, the Coal Preparation laboratory has been upgraded with procurement and installation of new equipment to cater to the future requirement for washability tests, etc.

10. Environmental Services:

Environmental services rendered by your company to CIL during 2014-15 included preparation of 16 nos. of Form-I and formulation of 33 nos. of EMPs (Environment Management Plans). Environmental Monitoring (air, water and noise) of 314 projects / establishments of CIL were carried out through nine

environmental laboratories located at Asansol, Nagpur, Bilaspur, Kusmunda, Hasdeo, Jayant, Talcher, Ib Valley and Ranchi. In terms of the revised guidelines issued by Ministry of Coal in 2013, CMPDI has prepared 7 nos. of mine closure plans for CIL mines during the year. However, considering the future requirement of environmental services and possibility of more stringent stipulations from MOEF, capacity enhancement in respect of environmental services rendered by us would be required on a continual basis.

11. Alternative source of coal based energy:

CMPDI 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. Land mark achievements of CMPDI are as under:

CMPDI is pursuing envisaged activities on behalf of CIL for CBM development in two blocks namely Jharia and Raniganj North allotted to the consortium of ONGC-CIL and extending support to CIL in taking up administrative and other issues viz. Contractual, Operational, etc.

To expedite commercial development of CMM within CIL areas, several pro-active steps were taken and the matter was taken up at appropriate Govt. level for issuance of formal guidelines for taking up commercial development of CMM in five identified areas of CIL. To expand the scope of development of CMM in CIL areas, initial studies for "Assessment of CMM Potentiality in CIL Command Area" has been undertaken.

A project for mitigation and utilisation of VAM has been prepared with CSIRO, Australia which is proposed to be taken up under NCEF and CIL R&D funding.

CMPDI is also contemplating to take up jobs related to identifying of perspective CBM Blocks for their award through global competitive bidding. Deliberation is going on with DGH for firming up the blocks for preparation of the data dossiers. This job is of national interest.

CMPDI has also completed 3 Nos. of R&D projects in field of CBM, CMM and Shale gas with organizations of national and international repute like M/s ARI (Advance Resources International), USA, EURC (European Union Research Commission) and IIT Kharagpur.

A state of the art CBM lab is functioning at CMPDI which is only one of its kind in CIL and one of the few in India having such varied capacity for resource and producibility assessment for CBM. The lab has been equipped with requisite equipment to take up CBM & Shale gas related studies and has been taking up generation of all parametric data related to CBM and shale gas in-house and also extending services to GSI for taking up required studies. Enquiries are being received from CBM players for utilizing lab services for their data generation.

12. 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 work by various academic and research institutes, CMPDI with its well established laboratories also undertaking research in key areas like mining, coal exploration including Coalbed Methane(CBM), Coal Mine Methane(CMM), Shale gas assessment, Coal beneficiation & Utilisation and Mine environment related issues.

Over the last 40 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. Designed tools developed specifically for Indian geo-mining condition are now available for variety of problems like underground coal pillars design, analysis of roof capability, prediction of surface subsidence, optimum blast design for various rock conditions, opencast slope stability etc.

During 2014 -15, 8 Nos. of S&T and R&D projects have been completed. The major completed projects were pertaining to indigenous development of integrated dumper collision avoidance system to avoid head to tail collision between dump trucks and proximity warning system to avoid collision between dumpers and blind objects and also reverse safety system to prevent the dumpers from toppling down from the overburden (OB) dumps in opencast mines, development of Self Advancing (mobile) Goaf Edge Support (SAGES) to avoid the labour intensive and time consuming process in erecting wooden chocks and props at goaf edges for protection of roof strata during depillaring operations, development of software for prediction of subsidence by 3D numerical modeling for SCCL mines, development of customized organic coatings for corrosion protection of special mining equipment at Neyveli Lignite mines and Studies on shrinkage swelling characteristics of some Indian coals to ascertain recoverability of CBM from deep seated coal and shale resources etc., assessment of prospect of Shale gas in Gondwana basin etc.

CMPDI is making all out efforts to involve more and more research and academic institutions. As a result, projects related to Coal beneficiation by use of radiometric technique, Construction of quick setting stoppings in case of fire in underground mines using expansion foam agent, Development of Tele robotics and remote operation technology for underground coal mines, CBM reserve estimation for Indian coalfields, online washability analysis, Sustainable livelihood activities on reclaimed opencast coal mines, development of effective mine void aqua-ecosystem for promoting fish culture in abandoned coal quarries to provide long term sustainable income generation for the benefit of the local community and improving their quality of life are now being executed in association with other organisations.

Under an R&D project, A Solar Photovoltaic Powered Micro-Grid System has been commissioned on the roof tops of CMPDI office buildings. The total installed capacity of the plant is around 191 KW. Conventional grid (utility supply) clubbed with solar PV system and DG sets through grid interactive inverters to feed to internal grid (CMPDI) whenever utility grid (JSEB) supply is not available. The diesel consumption for running the generators has drastically been reduced.

13. e-Procurement and Contract Management:

e-Procurement and Contract Management Division has been created in CMPDI with the primary objective of implementation of e-procurement system (EPS) in all the Contracts concluded by CMPDI, HQ and the Regional Institutes spread over 6 States. CMPDI has successfully implemented EPS in the Contracts related to Drilling Outsourcing, purchase of goods and Civil Contracts.

It is a matter of pride for CMPDI that for the first time in the history of Public Sector Undertakings in India, turnkey tender for construction of Coal Handling Plant at Jayant Project of NCL has been taken up through electronic mode. In due course, all turnkey tenders related to Coal Handling Plants and Coal Washeries will also be done through EPS in addition to tenders related to other works and services.

CMPDI has successfully introduced online receipt, auto refund and reconciliation of Earnest Money Deposit (EMD) for tenders being uploaded on MCL portal. The new module will help in minimizing paper work, ensuring least human intervention and earlier refund of EMD to the unsuccessful bidders. CMPDI is

only the 2nd company in CIL after MCL to have introduced auto online receipt, refund and reconciliation of EMD

14. Corporate Social Responsibility and Sustainability:

Your company has built strong partnerships with the communities around its surroundings and also with the wider society through a well-conceived basket of CSR interventions for the betterment of lives of the people. Under CSR & Sustainability, sustainable development were emphasized and practiced by CMPDI. Major activities carried out during the year 2014-15 include- Financial Assistance to Ramakrishna Mission Sanatorium, Tupudana, Ranchi, Jharkhand for installation of a High Frequency 100 mA X-Ray machine with computerized Radiography (CR) system and maintenance of one bed, Financial Assistance to K.C. Roy Memorial Charitable Hospital, Energy Conservation by replacing conventional lights at CMPDI, RI-V, Bilaspur and Rain Water Harvesting at CMPDI, RI-VI, Singrauli.

15. Consultancy Services in the area of Quality Assurances:

Certifications/recertification of 78 units (including 18 newly certified units) was achieved for different management system standards, under the guidance of CMPDI. CMPDI obtained an ISO 27001 certification in Sep.'14 for successfully implementing an Information Security Management System in its HQ. Post Certification support was provided to all subsidiary companies of CIL for the international standard – ISO 9001, ISO 14001, OHSAS 18001 and ISO 17025 in various opencast and underground mines, hospitals, workshops, washery, training institute, etc. Besides, MCL & NCL were facilitated to implement and successfully maintain the companywide Integrated Management System (IMS integrating ISO 9001, ISO 14001 & OHSAS 18001) and companywide IMS jobs have been taken up for ECL, BCCL and CCL. CMPDI provided support and guidance to Ministry of Coal, Govt. of India for aligning their working towards ISO 9001 which helped them to obtain an ISO 9001 license from Bureau of Indian Standards in October, 2014.

16. Consultancy-Other than CIL

During the year 2014-15, 29 consultancy jobs were done for 22 organizations outside CIL. Some of the major clients/organisations for whom jobs were completed are Neyveli Lignite Corporation Limited, MOIL Limited, National Thermal Power Corporation, Steel Authority of India Limited, National Aluminium Company Limited, Damodar Valley Corporation, Chhattisgarh Mineral Development Corporation, Mahan Coal Limited, Karnataka Power Corporation Limited, etc.

Presently, 26 outside-CIL consultancy jobs are in hand for 16 organizations like Steel Authority of India Limited, MOIL Limited, Tata Steel, Odisha Industrial Infrastructure Development Corporation (IDCO), National Thermal Power Corporation, Odisha Mining Corporation Limited, Odisha Power Generation Corporation Limited, Baitarani West Coal Company Limited, Neyveli Lignite Corporation Limited, National Mineral Development Corporation, etc.

CMPDI has been awarded the prestigious work of 'Performance review of major Heavy Earth Moving Equipment of its three iron ore mines' by M/s NMDC Limited. CMPDI will undertake this study for Iron ore mines for the first time. However, it is already doing this study for coal mines of CIL every year.

During the year 2014-15, 27 outside-CIL consultancy jobs worth ₹11.63 crores from 19 organizations were received by CMPDI.

17. Recognition and Awards:

The Government of India recognized the contribution and relevance of CMPDI and conferred it with the status of a Mini Ratna (Category-II) in accordance with the provisions of the Department of Public Enterprise's (DPE's) guidelines in May, 2009. The Department of Public Enterprise'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 CMPDI got reflected in getting excellent MoU consistently rating from 2007-08 to 2009-10 and adjudging it the "Best performing Subsidiary Company of CIL" for the year 2008-09 as per MoU rating. CMPDI achieved excellent MoU rating for 2011-12 and 2012-13. For the year 2013-2014, CMPDIL has been graded as Excellent (1.395).

CMPDI accredited by QCI : CMPDI has been accredited as Environmental Impact Assessment/ Environmental Management Plan (EIA/EMP) consulting organization by Quality Council of India (QCI), New Delhi as per the stipulation of Ministry of Environment & Forests, Govt. of India. QCI conducted surveillance assessment of CMPDI in March, 2014 and the outcome was declared on 28th August, 2014. CMPDI has also added feather in its cap by qualifying for additional sector of Thermal Power.

CMPDI had recently received accreditation of National Accreditation Board for testing and Calibration Laboratories (NABL) and OHSAS-18001 for its environmental laboratory services.

18. 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 CMPDI. 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.

Acknowledgement

All these achievements could be made because of the concerted efforts of employees of your company, wholehearted support from members from Trade Union (JCC) and Officer's Association as well as 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 for achieving greater heights in the future and meet the challenges and the expectations of the shareholders with its dedicated commitment and performance at all levels as in the past.

I express my sincere thanks to all 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.

Sd/-

Place : Ranchi

(A.K. DEBNATH)

Date : 22.06.2015

Chairman cum Managing Director

Performance at a glance

	Particulars	Unit	2014-15	2013-14	2012-13	2011-12	2010-11	2009-10	2008-09
1	Sales of Services (Net Sales)	₹ in crore	726.72	647.43	601.05	524.03	429.09	453.53	329.82
2	Profit before Tax	₹ in crore	39.33	34.60	29.77	30.79	23.69	19.61	6.74
3	Profit after Tax	₹ in crore	25.04	19.57	25.05	19.61	15.32	11.46	4.84
4	Retained Profit	₹ in crore	25.04	19.57	25.05	19.61	15.32	11.46	4.84
5	Net Block	₹ in crore	80.83	72.11	75.72	78.55	72.45	68.06	58.23
6	Net Worth	₹ in crore	178.06	155.88	134.89	110.92	87.92	73.78	67.49
7	Current Assets	₹ in crore	688.82	629.85	580.21	466.93	409.67	417.88	315.48
8	Current Liabilities	₹ in crore	548.26	491.13	446.06	347.72	319.66	317.26	221.09
9	Working Capital [(7) - (8)]	₹ in crore	140.56	138.72	134.15	119.21	90.01	100.62	94.39
10	Capital Employed	₹ in crore	221.39	210.83	209.87	197.76	162.46	168.68	152.62
11	Gross Margin	₹ in crore	49.90	44.09	42.61	36.67	26.51	27.30	11.33
12	Value Added	₹ in crore	27.76	23.01	21.62	16.89	10.26	10.43	-3.93
13	Number of Employees	Numbers	3634	3135	3142	3129	3102	3156	3065
14	Value Added per Employee	₹ in thousand	76.39	73.40	68.81	53.98	33.08	33.05	-12.82
15	Return Capital Employed	₹ in crore	17.77	16.41	14.18	15.57	14.58	11.63	4.42
16	Face Value Per Share	in ₹	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
17	Earnings Per Share	in ₹	1315.00	1028.00	1316.00	1030.00	805.00	602.00	254.00

Net Worth = Paidup Capital
+ Reserve & Surplus -
Accumulated loss & deferred
revenue expenditure

Gross Margin = Net Profit +
Depreciation + Interest + PP
Adjustment + Tax Expenses

Capital Employed = Net
Block + Working Capital

Note : Previous year's figures have been re-arranged/ re-grouped /re-classified wherever necessary to make comparable with those of current period.

Manpower for the last 10 years

Year	Executive	Non-executive	Total
As on 01.04.2005	830	2460	3290
As on 01.04.2006	807	2427	3234
As on 01.04.2007	774	2353	3127
As on 01.04.2008	760	2288	3048
As on 01.04.2009	772	2293	3065
As on 01.04.2010	824	2332	3156
As on 01.04.2011	811	2291	3102
As on 01.04.2012	855	2274	3129
As on 01.04.2013	957	2185	3142
As on 01.04.2014	970	2165	3135
As on 01.04.2015	934	2695	3629



FINANCIAL STATISTICS

₹ in crore

	As at 31.03.15	As at 31.03.14	As at 31.03.13	As at 31.03.12	As at 31.03.11	As at 31.03.10	As at 31.03.09
SOURCE OF FUNDS							
-	-	-	-	-	-	-	-
EQUITY AND LIABILITIES							
Shareholders' Fund							
a) Share Capital	19.04	19.04	19.04	19.04	19.04	19.04	19.04
b) Reserves & Surplus	159.02	136.84	115.85	91.88	68.88	54.74	48.45
	178.06	155.88	134.89	110.92	87.92	73.78	67.49
Non-Current Liabilities							
a) Long Term Borrowing	-	-	-	-	-	-	-
b) Deferred Tax Liability (Net)	-	-	-	-	-	-	-
c) Other Long Term Liabilities	-	-	-	-	-	-	-
d) Long Term Provisions	183.29	183.51	182.11	170.40	141.71	154.83	139.02
	183.29	183.51	182.11	170.40	141.71	154.83	139.02
Current Liabilities							
a) Short Term Borrowing	-	-	-	-	-	-	-
b) Trade Payables	50.47	45.80	32.43	33.45	22.95	39.87	28.42
c) Other Current Liabilities	238.41	222.99	215.18	161.43	125.39	166.17	187.44
d) Short Term Provisions	259.38	222.34	198.45	152.84	171.32	111.22	5.23
	548.26	491.13	446.06	347.72	319.66	317.26	221.09
Total	909.61	830.52	763.06	629.04	549.29	545.87	427.60
APPLICATION OF FUNDS							

Non-Current Assets														
(a) Fixed Assets														
i) Tangible Assets - Gross Block	195.92		181.60		182.39		187.85		176.05		167.54		153.08	
Less : Depreciation, Impairment & Provisions	119.62		109.49		106.67		109.30		103.60		99.48		94.85	
Net Carrying Value		76.30		72.11		75.72		78.55		72.45		68.06		58.23
ii) Intangible Assets - Gross Block	7.55		2.21		5.61		5.20		4.05		2.23		3.59	
Less : Depreciation, Impairment & Provisions	3.02		2.21		5.61		5.20		4.05		2.23		3.59	
Net Carrying Value		4.53		-		-		-		-		-		-
iii) Capital Work-in-Progress		29.44		24.93		10.83		11.03		5.14		2.08		8.99
iv) Intangible Assets under Development		-		-		-		-		-		-		-
(b) Non-Current Investment		-		-		-		-		-		-		-
(c) Deferred Tax Assets (Net)		106.43		101.59		95.54		71.67		59.91		54.51		43.57
(d) Long Term Loans & Advances		4.07		2.02		0.74		0.84		2.10		3.32		1.31
(e) Other Non-Current Assets		0.02		0.02		0.02		0.02		0.02		0.02		0.02
Current Assets														
(a) Current Investments	-		-		-		-		-		-		-	
(b) Inventories	6.10		5.77		6.04		6.77		6.77		6.29		3.99	
(c) Trade Receivables	236.36		198.34		323.80		246.92		190.46		275.87		249.68	
(d) Cash & Cash equivalents	85.92		109.18		117.89		61.21		61.04		69.24		47.14	
(e) Short Term Loans & Advances	360.39		316.51		132.43		151.98		151.35		66.43		14.32	
(f) Other Current Assets	0.05		0.05		0.05		0.05		0.05		0.05		0.35	
		688.82		629.85		580.21		466.93		409.67		417.88		315.48
Total		909.61		830.52		763.06		629.04		549.29		545.87		427.60

FINANCIAL STATISTICS

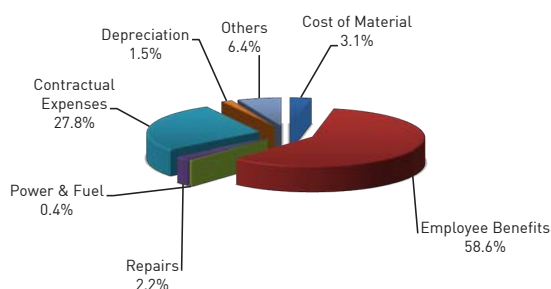
₹ in crore

	Figures For the Year ended 31.03.15	Figures For the Year ended 31.03.14	Figures For the Year ended 31.03.13	Figures For the Year ended 31.03.12	Figures For the Year ended 31.03.11	Figures For the Year ended 31.03.10	Figures For the Year ended 31.03.09
INCOME							
Sale of Coal							
Less : - Excise Duty							
Other Levies							
Revenue From Operations	726.72	647.43	601.05	524.03	429.09	453.53	329.82
Other Income	5.48	5.01	4.16	4.68	4.78	2.88	2.21
Total Revenue	732.20	652.44	605.21	528.71	433.87	456.41	332.03
EXPENSES							
Cost of Material Consumed	21.43	19.99	15.28	16.67	15.77	12.37	11.18
Change in inventories of finished goods work in progress and Stock in trade	-	-	-	-	-	-	-
Employee benefit expenses	402.73	378.05	384.27	341.45	277.98	298.24	262.56
Power & Fuel	2.97	3.11	2.10	2.24	2.07	2.30	1.91
CSR Expenses	1.68	1.82	1.06	0.50	0.57	0.09	0.03
Repairs	15.22	14.25	13.58	9.61	11.11	13.53	8.30
Contractual Expenses	191.09	152.27	114.13	93	76.55	77.16	18.16
Finance Costs	0.24	0.17	0.09	0	0.03	0.26	0.50
Depreciation/amortization/ Impairment	10.32	9.83	7.56	6.73	5.48	4.84	4.03
Provisions	(0.07)	-0.19	0.39	-0.46	(2.90)	0.33	(0.49)
Write off	-	-	0.00	0.08	0.43	-	0.00
Overburden Removal Adjustment	-	-	-	-	-	-	-

Other Expenditure	47.25	39.05	31.79	28.95	25.78	25.09	19.05
Total Expenses	692.86	618.35	570.25	498.77	412.87	434.21	325.23
Profit/Loss before exceptional & extraordinary items & tax	39.34	34.09	34.96	29.94	21.00	22.20	6.80
Prior Period Adjustment { charges/ (incomes) }	0.01	(0.51)	5.19	(0.85)	(2.69)	2.59	0.06
Exceptional Items							
Profit/ (Loss) before extraordinary items and tax	39.33	34.60	29.77	30.79	23.69	19.61	6.74
Extraordinary Items { charges/ (incomes) }	-	-	-	-	-	-	
Profit/ (Loss) before Tax	39.33	34.60	29.77	30.79	23.69	19.61	6.74
Less : Tax Expenses							
- Current year	19.13	19.15	28.58	22.97	13.22	21.04	25.01
- Deferred Tax	(4.84)	(6.05)	(23.86)	(11.76)	(5.40)	(10.93)	(23.08)
- Earlier years	-	1.93	-	(0.03)	0.55	(1.96)	(0.03)
Profit/ (Loss) for the period	25.04	19.57	25.05	19.61	15.32	11.46	4.84
Earning per equity share (in)							
(Face Value of 1000/- per share)							
(1) Basic (in ₹)	1315.00	1028.00	1316.00	1030.00	805.00	602.00	254.00
(2) Diluted (in ₹)	1315.00	1028.00	1316.00	1030.00	805.00	602.00	254.00

FINANCIAL OVERVIEW OF CMPDIL

Expenditure Breakup 2014-15

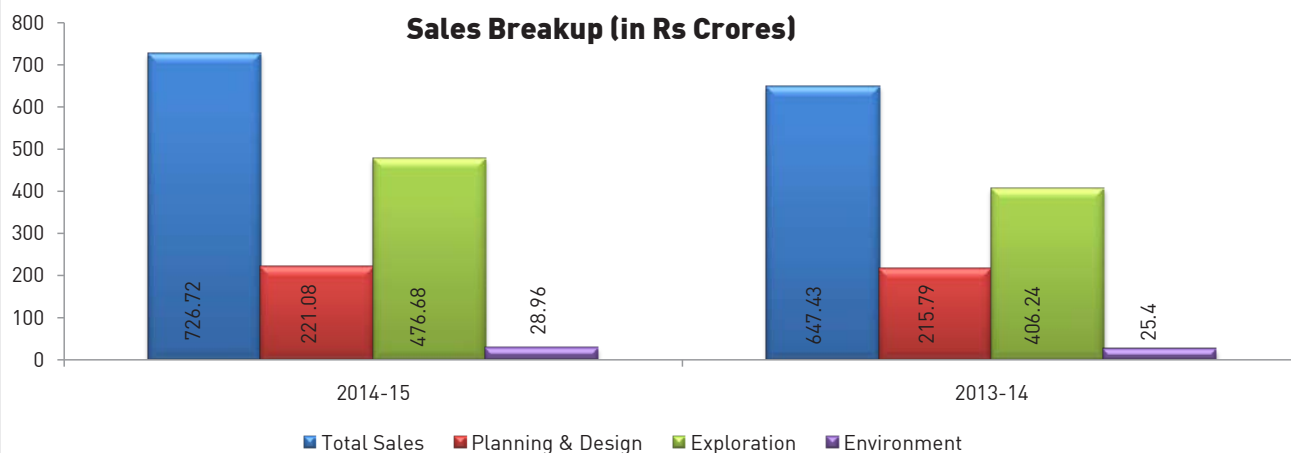


EXPENDITURE

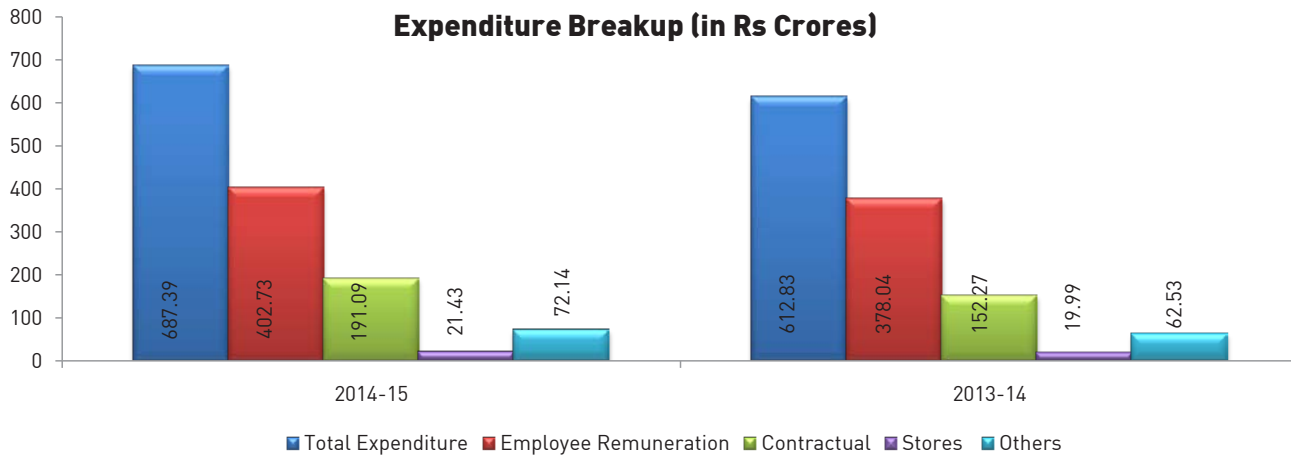
Cost of Material	21.43
Employee Benefits	402.73
Power & Fuel	2.97
Depreciation	10.32
Contractual Expenses	191.09
Repairs	15.22
Miscellaneous	43.63
Total Expenditure	687.39

Year ending
31st March 2015
(₹ in Crores)

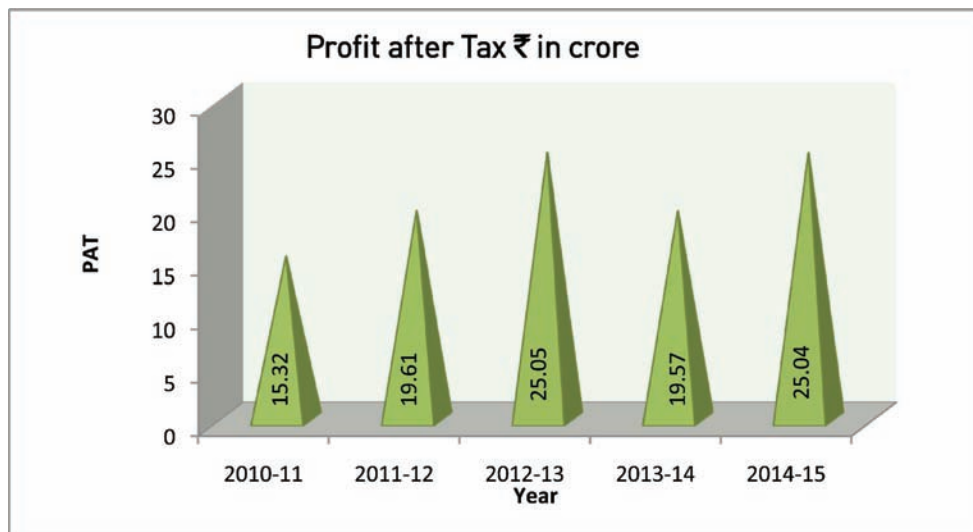
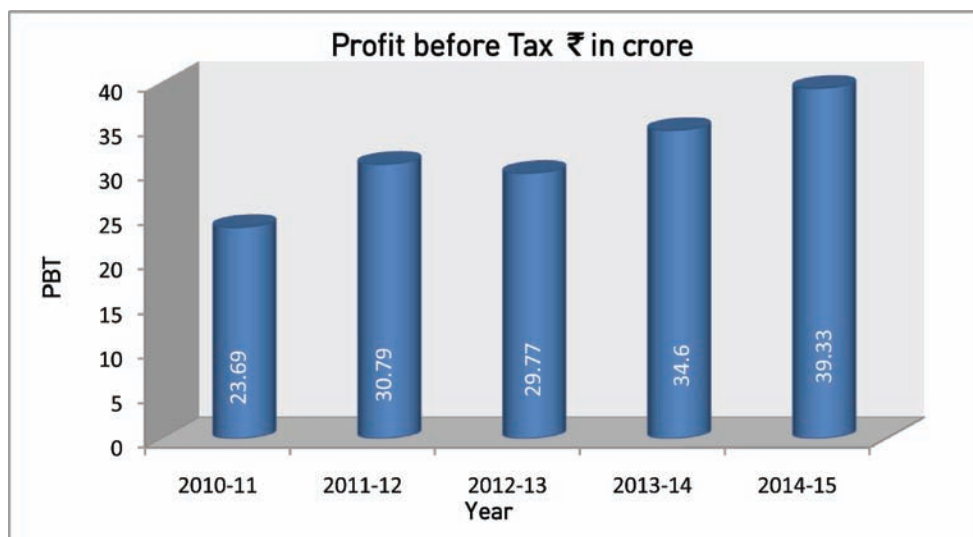
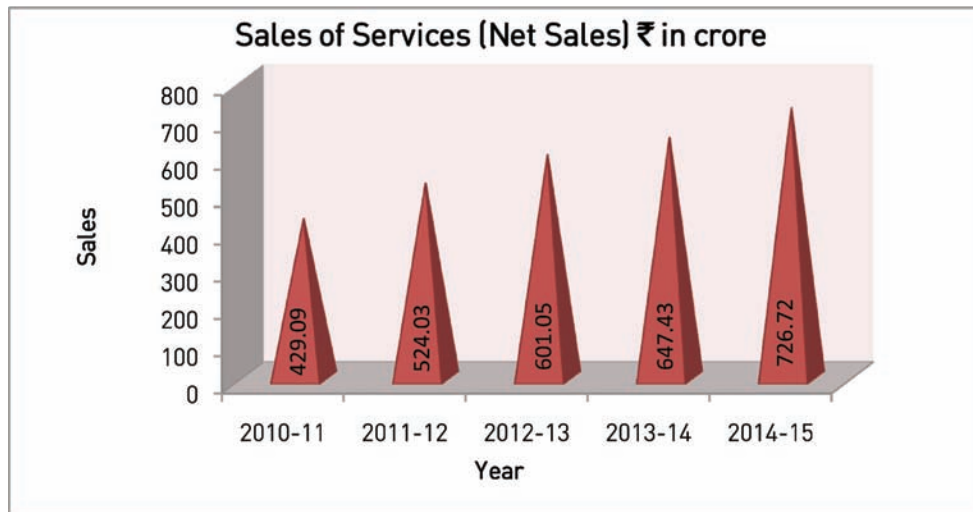
Sales Breakup (in Rs Crores)



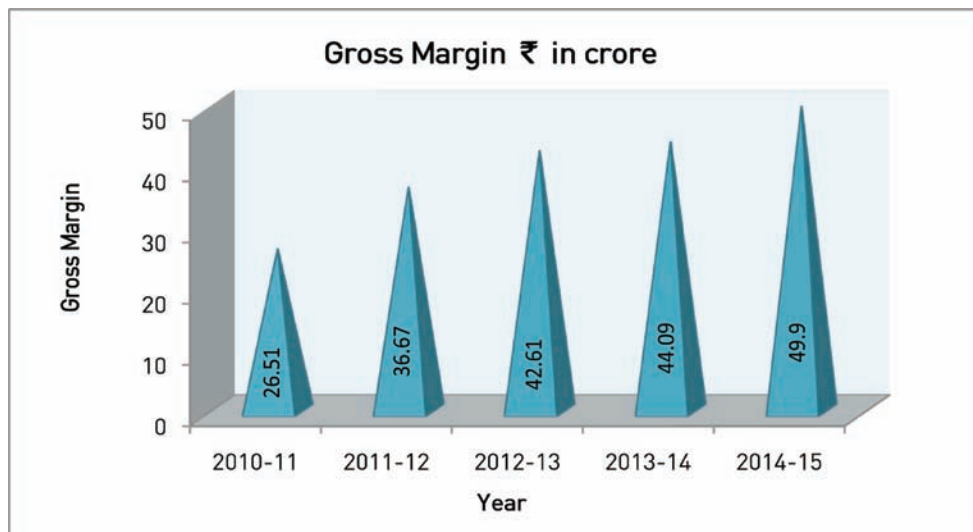
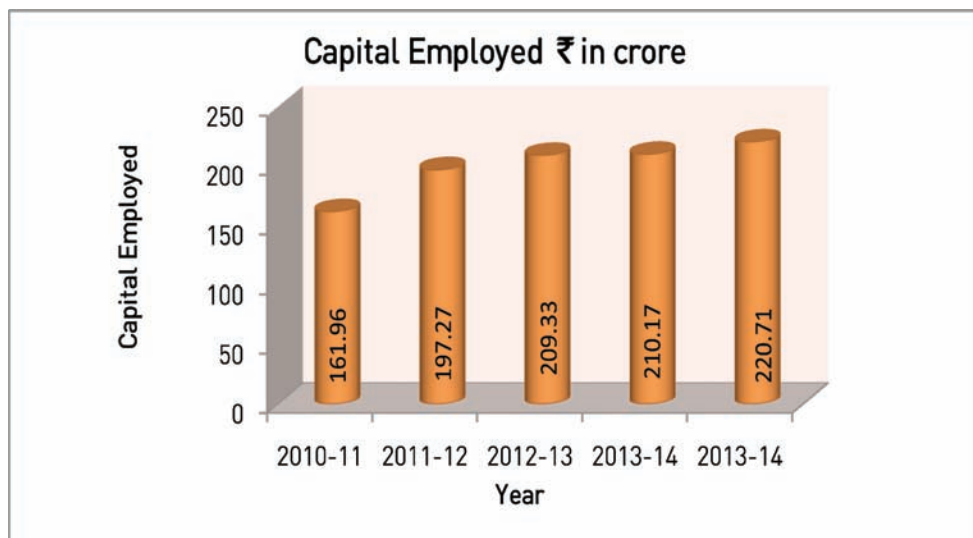
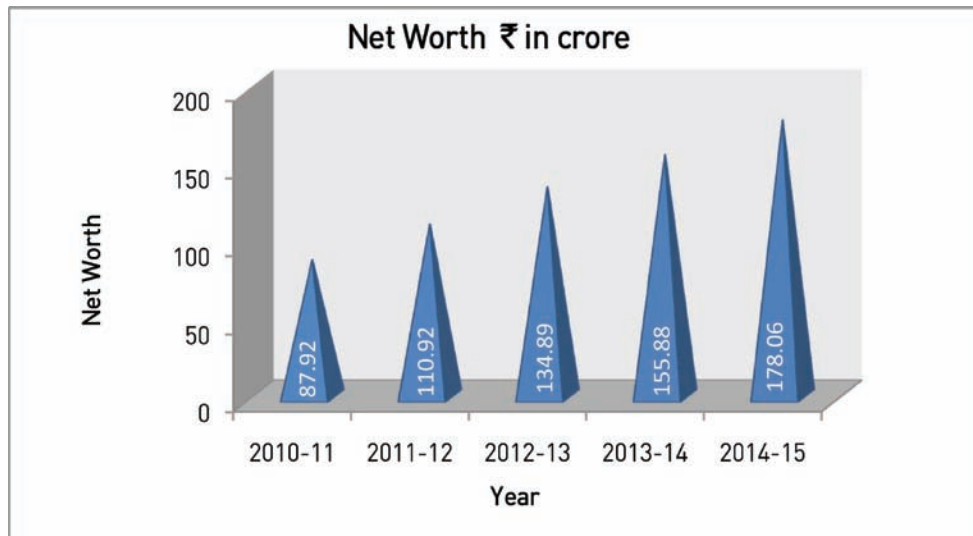
Expenditure Breakup (in Rs Crores)



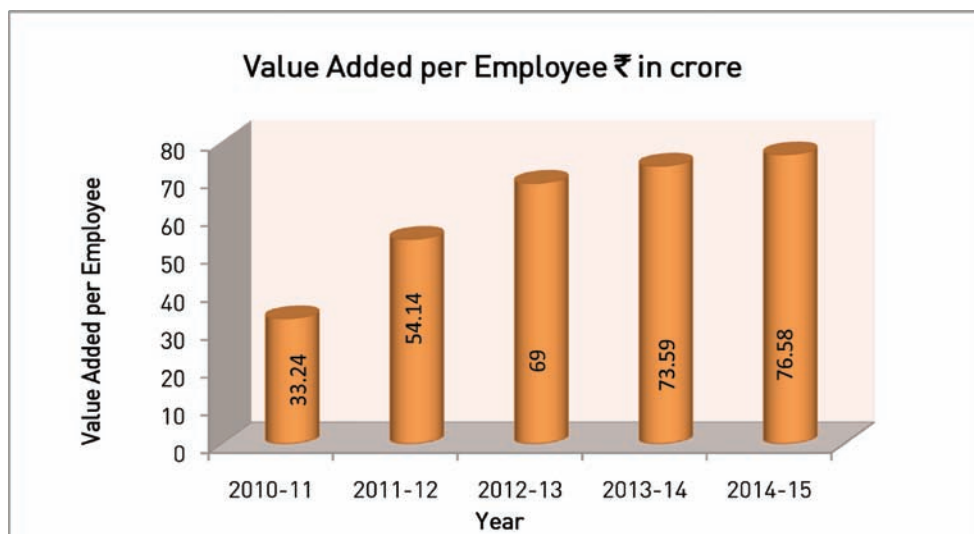
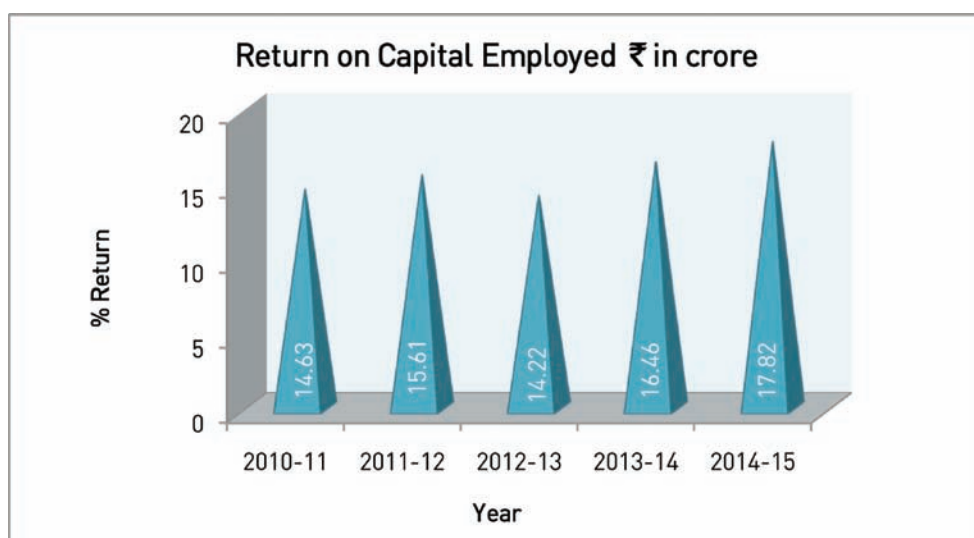
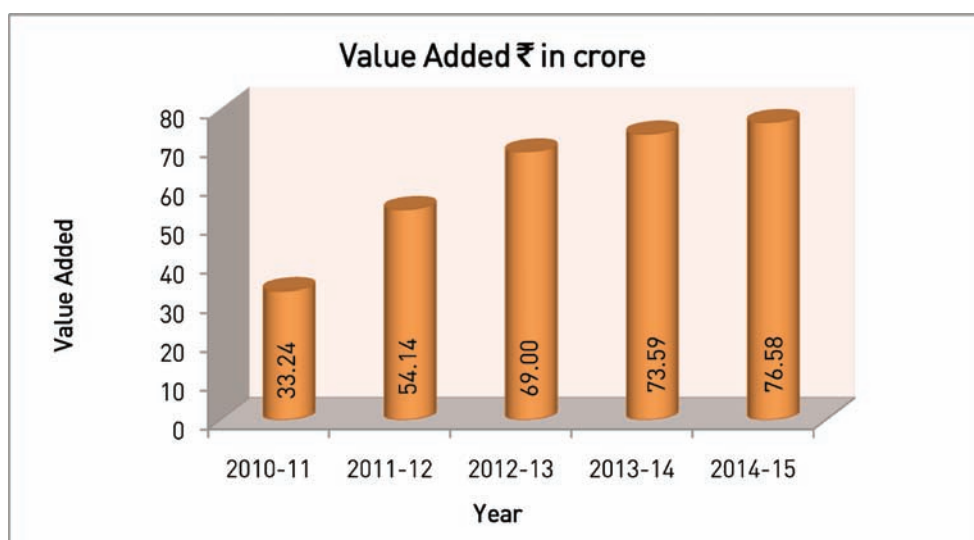
FINANCIAL OVERVIEW OF CMPDIL



FINANCIAL OVERVIEW OF CMPDIL



FINANCIAL OVERVIEW OF CMPDIL



DIRECTORS' REPORT

To

The Shareholders

Gentlemen,

On behalf of the Board of Directors, I have great pleasure in presenting the 40th Annual Report on the working of your Company along with the Accounts for the year ended 31st March, 2015 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-II) 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 Directorate General of Hydrocarbons, Manganese Ore (India) Ltd., National Thermal Power Corporation Ltd., National Aluminium Company Limited, Steel Authority of India Ltd., Neyveli Lignite Corporation Ltd., Damodar Valley Corporation, Chattishgarh Mineral Development Corporation, Mahan Coal limited, Karnataka Power Corporation Limited etc. were provided mainly through CMPDIL Headquarter. Besides these Consultancy services, CMPDI also handled specialized assignments of Ministry of Coal.

Presently, 26 outside-CIL consultancy jobs are in hand for 16 organizations like Steel Authority of India Limited, MOIL Limited, Tata Steel, Odisha Industrial Infrastructure Development Corporation (IDCO), National Thermal Power Corporation, Odisha Mining Corporation Limited, Odisha Power Generation Corporation Limited, Baitarani West Coal Company Limited, Neyveli Lignite Corporation Limited, National Mineral Development Corporation, etc.

During the Year 2014-15, 27 outside CIL consultancy jobs worth Rs. 11.63 crores from 19 organisations were received by CMPDIL.

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. CMPDI, 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, coal core sample, Non-Destructive Testing (NDT), air, water, washability characteristics of coal, physico-mechanical strength of strata, petrography etc.

● Environmental Services

Preparation of Environment Management Plan, its implementation and monitoring through Regional Institutes and Headquarters and analysis of air, water, noise samples at in-house CPCB approved laboratories. Utilisation of remote sensing satellite data for land use monitoring has also started for entire CIL mines.

● 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 net profit of ₹ 25.04 Crores (after deferred tax). The working results of the company are given below:

(₹ in Crore)

Particulars	Year ending 31.03.2015 (Audited) (Rs in crore)	Year ending 31.03.2014 (Audited) (Rs in crore)
Sales	726.72	652.44
Less: Total Net Expenditure	687.38	618.35
Profit before P.P. Adjustment & Tax	39.34	34.09
Less: Prior Period Adjustment	0.01	(-)0.51
[Debit (+) / Credit (-)]		
Profit before Taxation	39.33	34.60
Provision for Income Tax:		
Less: For current period	19.13	19.15
Add: For Deferred Tax	(-)4.84	(-)6.05
For earlier years	-	1.93
Net Profit after Tax	25.04	19.57

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 Vision of CMPDIL:

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

1.3.2 Mission of CMPDIL:

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.

1.3.3 Set Corporate Objectives to realize the above:

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 assimilate and disseminate technological information through information networks.

7. To undertake formulation of Environmental Management Plans (EMPs), Environment Impact Assessment (EIA) and Mine Closure Plans for coal mining and related projects.
8. 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.
9. To provide field and laboratory services to Subsidiary Coal Producing Companies of CIL.
10. To provide consultancy services to outside organizations other than CIL and its subsidiaries

1.3.4 Brief of functions of CMPDI:

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

- A. Geological Exploration and support Services - This core function of CMPDI 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 CMPDI since inception, this offers the following services 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 and 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 all major opencast mines in Coal India Ltd., producing more than 5 million cu.m. (Coal+OB) per annum, are being carried out by satellite surveillance on yearly basis.
- D. Management System Services - Under offer since 1997, these cover complete range of consultancy and support for creation, implementation, and certification of various standardized management systems, e.g. ISO 9001 Quality Management System and its industry specific translations, ISO 14001 Environmental Management System, OHSAS 18001 occupational health and safety management, and SA 8000 social accountability management.
- 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, Management System Consultancy, OBR Check Measurement, etc.

1.3.5 Industry Structure and Development

The Indian economy is the world's seventh largest by GDP and the third largest economy in terms of purchasing power parity, according to the latest IMF World Economic Outlook (WEO), 2015. Following market based economic reforms in 1991, India became one of the largest growing major economies.

Mining in India is a major economic activity which contributes significantly to the economy of India. Mining and quarrying sector accounts for 2.5% of India's GDP, as estimated by Central Statistical Organization. As a prospering economy, India faces energy security as a growing challenge and the coal production is expected to grow at a CAGR of around 5.8% during XII Plan.

Approximately 40% of the world's electricity needs is being provided by coal. Yes, coal is the second source of primary energy after oil. Since the start of the 21st century, coal production has been the fastest-growing global energy source. It is the second largest source of primary energy in the world after oil, and the largest source of electricity generation. The surge in global coal consumption is driven primarily by developing economies, such as China and India.

Growth in emerging market economies (EMEs), which had slowed down, is now picking up. A survey sponsored by the Reserve Bank of India (RBI) has projected economic growth rate at 7.9 per cent for the fiscal year 2015-16, up from 7.5 per cent in 2014-15. Coal is the key fuel in the energy

mix and since economic growth and energy use are highly correlated, coal demand prospects are bullish in foreseeable future. The XII Plan (2012-17) document of Ministry of Coal (March, 2012) indicates coal demand of 980.50 at a CAGR of 7.09 in terminal year of XII Plan i.e. 2016-17. The indigenous all India coal production projection in 2016-17 is projected to be 795 Mt (615 Mt for CIL) under optimistic scenario. Hence, the demand & indigenous supply gap by 2016-17 is projected to be 185.5 Mt. Also, even with a longer perspective beyond XII Plan period, coal production is not likely to be capped in the country in foreseeable future due to demand restrictions.

Though, on the one hand, the huge demand of coal facilitates for the growth of the coal producers in the country, the role of CIL - the producer of 81% of coal in the country often comes under scrutiny for the coal shortages for the power sector without acknowledging the role played by CIL in enhancement of the coal production of the country from 70 Mt in 80s to about 494 Mt in 2014-15 and the adverse impact of non-removal of the constraints like under-developed infrastructure including poor evacuation logistics of the railways which has been creating problems for transportation of coal to various power plants across the country in spite of considerable pit head stock, non-availability of forestry clearances in time, R&R and law & order problems. Often CIL comes into the domain of criticism even for the non-performance and inefficiencies of the captive coal producers to whom a considerable coal reserve has been allocated over the years.

The target for detailed drilling for 2015-16 has been substantially enhanced and set at a level of 15.0 lakh meter from the achievement level of 8.28 lakh meter during 2014-15 (including departmental drilling

capacity of 4.0 lakh meter, considering 54.46 lakh meter of drilling target for the XII Plan period. For building up of drilling capacity, strengthening of CMPDIL with additional manpower (both executive & non-executive) and plant & machinery is being done.

CMPDI, being the consulting subsidiary of CIL - the largest coal producer company in the world, has the mandate to provide exploration, planning & design and other allied services for its rapid expansion. Additionally, CMPDI's expert services had been in demand by other coal producer in public and private sector as well. Stride of coal companies, mainly of CIL, towards meeting the coal demand from indigenous supply will have a spurt in CMPDI's services.

The coal demand for the year 2014-15 had been assessed at 787.03 Mt by Planning Commission. The Annual Plan 2014-15 of Ministry of Coal had envisaged the total coal production of coal in the country to be about 630.25 Mt and off take/supply of 643.75 Mt. Production target of CIL was 507 Mt against which it could achieve production of 494.23 Mt. Import of coal to the tune of 200 Mt was made during the year to meet the requirement of both coking and non-coking coal.

Furthermore, adopting alternative source of coal based non-renewable energy generation like Coal Bed Methane / Coal Mine Methane, Underground Coal Gasification (UCG) and Coal Liquefaction, etc., is being stressed to meet energy needs to the extent possible. CMPDI is generating CBM related data under Promotional Regional Exploration (PRE) programme of MoC for enlarging CBM resource base. Development of Shale gas has also emerged out as a promising area of operation for CMPDI. CMPDI is rendering services in generation of CBM related data under delineation of blocks, preparation of data dossiers, etc. Data dossiers on shale gas

blocks in pursuance to work awarded by DGH were submitted by CMPDI. Further spurt in CMPDI services in the area of non-renewable energy generation consultancy works is being forecast. Additionally, emerging area of Information and Communication Technology (ICT) in coal sector is also presenting additional opportunities for CMPDI and likely to inflate further in coming years.

Global tendering is under consideration for "Selection of Developer for Commercial Development of Underground Coal Gasification (UCG)" in Kaitha Block of Central Coalfields Limited (CCL) and Thesgora "C" Block of Western Coalfields Limited (WCL). Mechanism on commercial development of UCG is under consideration at Government level. CMPDI/CIL is contemplating a demonstration project for commercialization under R&D effort towards development of UCG in CIL command area.

There has been spurt in the expert services of CMPDI as demanded by MoC recently. CMPDI has been rendering technical assistance to MoC in captive coal block allocation (auction & allotment). CMPDI has prepared mine dossiers for the coal blocks identified by MOC for auction and allotment. CMPDI has also estimated the floor price, reserve price, upfront payment, etc., as applicable for the identified coal blocks.

1.3.6 Strategy adopted to realize above objectives and vision:

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

- i. Enhancing exploration capacity with addition of manpower, plant & machinery, 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 alternate source of energy and Shale Gas.

1.3.7 STRENGTH AND WEAKNESS

Strength

CMPDI 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.

- With strategically located RIs, it is able to provide door-step service to CIL subsidiaries.
- It has coalfield-wise/mine-wise strong data base of CIL subsidiaries
- It has a base of more than 1300 multi-disciplinary skilled 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, 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 facility, baseline data generation capacity.

Weakness

- Shortage of skilled and qualified personnel in executive and non-executive cadre.
- High rate of Attrition (New Recruits are leaving the organization after being trained).

1.3.8 OPPORTUNITIES AND THREATS OPPORTUNITIES

The Coal Demand-Supply gap is likely to widen further providing scope for CMPDI services

- Need to enhance the application of IT in coal sector.
- Diversification in non-coal sector
- Expertise in providing specialized services related to CBM / CMM / UCG / Shale Gas, Geomatics, NDT, etc.

THREATS

- In absence of commensurate growth in the regional exploration, sustenance of the detailed drilling capacity of 15 lakh metre (proposed) beyond XII plan seems difficult.
- Undue delay in obtaining forestry clearances for drilling operation with required number of borehole density.
- Restrictions in exploration in forest area may pose problem in expansion programme.
- Poor law and order conditions in different states pose hindrance to exploration works.

- Further opening of the coal sector may result in market competition from other domestic or international consultancy service providers.
- Current high age profile in the company is likely to prove detrimental in future.

1.3.9 PRICING

Pricing of consultancy services for exploration, mine planning/ project reports, environmental plans and other Engineering services is based on the category of customers. The services rendered to CIL and its subsidiaries are priced 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 were carried out at 90% of Central Pollution Control Board (CPCB) rate. A further increase in the consultancy service charge rate has become difficult due to the cut throat competition from the other players. Under this situation, the above pricing method was continued in the year 2014-15.

1.3.10 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 committed to undertake job from outsiders as well considering the importance and strategic values, wherever such outside consultancy jobs can be undertaken.

1.3.11 Outlook and Preparedness of CMPDIL

CMPDI exploration activities had major spurt during the XI Plan period as well as in the 1st year of the XII Plan. Through departmental drills and outsourcing, CMPDI carried out

19.41 lakh meter of drilling during the XI Plan period (2007-12) in comparison to about 10 lakh meter of total drilling carried out during the X Plan period (2002-07). Also, compared to 2.09 lakh metre of drilling carried out in the beginning year of XI Plan, i.e. 2007-08, 5.63 lakh metre of drilling was carried out in 2012-13, 6.97 lakh metre in 2013-14 and 8.28 lakh metre in 2014-15 through departmental resources and outsourcing. 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 for drilling accessories including mud pumps and trucks had been the key to augment the drilling capacity of CMPDI.

The target for 2015-16 has been substantially increased to 15 lakh metre (departmental exploration capacity has been raised to a level of 4 lakh meter). This necessitated emphasis on outsourcing of substantial number of coal blocks for drilling. CMPDI had entered into a long term MOU with MECL on 6th January 2009 for offering up to one lakh meter of exploratory drilling per annum to MECL in different coal blocks. The annual limit has further been enhanced to 2.5 lakh meters from 2014-15. Steps are being taken to further enhance the drilling target to 4.00 lakh meter through MoU with MECL. Nine rounds of tendering has been done since 2007-08 to 2014-15 & work orders had been placed for 50 blocks involving 17.17 lakh meters.

A total of 126 projects were identified for XII Plan resulting in capacity addition about 473 Mt, against which, project reports for 96 projects, with capacity addition of about 366 Mt have already been formulated. During the year under review, 30 Project Reports have been prepared with capacity addition of about 116 Mt. Balance 30 Project Reports

with capacity addition of about 107 Mt will be formulated in subsequent years of XII Plan.

Capacities of most of the laboratories in CMPDI have been upgraded. Chemical and Petrography laboratories have been upgraded with sophisticated imported equipments and the capacities have been enhanced. Environment laboratories have been upgraded at HQ, RI-I and RI-IV and established at RI-V whereas, upgradation of RI-VI Environmental lab is underway. Action for establishment of new environmental lab at RI-VII, Bhubneswar and RI-II, Dhanbad has been taken up.

CMPDI has been accredited as Environmental Impact Assessment/ Environmental Management Plan (EIA/EMP) consulting organization by Quality Council of India (QCI), New Delhi as per the stipulation of Ministry of Environment & Forests, Govt. of India. QCI conducted surveillance assessment of CMPDI in March, 2014 and the outcome was declared on 28th August, 2014. QCI has accredited CMPDI to continue carrying out EIA/EMP consultancy work in the approved sectors of Mining (both underground & opencast) and coal washery. CMPDI has also added feather in its cap by qualifying for additional sector of Thermal Power.

Environmental services rendered by CMPDI to CIL during 2014-15 included preparation of 49 Environment Management Plans (including 16 Form-I). Environmental Monitoring (air, water and noise) of 314 projects / establishments of CIL were carried out through nine environmental laboratories located at Asansol, Nagpur, Bilaspur, Kusmunda, Hasdeo, Jayant, Talcher Ib Valley and Ranchi. In terms of the revised guidelines issued by Ministry of Coal in 2013, CMPDI has prepared 7 nos. of mine closure plans for CIL mines during the year.

CMPDI is also in the process of enhancing capacity of already existing state of the art

CBM lab which has been added with facility of TOC equipment for shale gas potentiality assessment. Rock Eval Analyser have been commissioned at CBM Lab, CMPDI. Sub-implementing agency ARI (USA) has made simulation and assessment of Shale gas potentiality in study areas of Jharia and East Bokaro Coalfields. The assessment report was presented in the CIL R&D Apex Committee Meeting held on 24th December, 2014 and appreciated. With the acquisition of this equipment CBM lab has been equipped with technologically driven instruments fulfilling the analytical requirement of Shale gas studies. CMPDI has created the facility for adsorption isotherm test, which is capable of testing adsorption capacity of coal seam upto 20 Mpa pressure (a pressure of about 2000 meter depth). The equipment of this capacity is probably first of this kind in India. The Mining Technology laboratory has been made capable for carrying out the Resin and Cement Capsule tests. One heavy duty Universal Testing Machine (UTM) of 2000 kN capacity has also been procured and installed for determination of physico-mechanical properties.

Manpower requirement of Exploration, Planning and Design as well as allied engineering services have been addressed. During 2014-15, 40 MTs have been posted in CMPDI through recruitment and transfer. Similarly, 675 nos. of non-executive manpower have been brought from other subsidiaries and process of addition in manpower is going on.

Commercial development of CMM is a priority area both at the Govt. and Coal Industry level. Successful implementation of the Demonstration Project at Moonidih mine of BCCL has already proved the efficacy of the process and five suitable CMM blocks have been identified within CIL mining leasehold areas. Further, MoC has made CMPDI the Nodal Agency

for development of CMM in India. Under the aforesaid background, actions for commercial development were initiated by CMPDI on behalf of CIL/Coal Companies for commercial development of CMM in 5 identified blocks (3 in BCCL and 2 in CCL). Mechanism of operationalization of commercial development of CMM within CIL coal mining command areas is under consideration at Government level. A formal communication in this regard is awaited after which further activities will be taken by CMPDI/CIL for development and exploitation of CMM.

Satellite surveillance for land reclamation monitoring of opencast projects of CIL is being carried out by CMPDI from the year 2008. 50 nos. of Opencast projects/mines producing 5 million cubic meter and more (coal+OB) and 113 Opencast mines/projects producing less than 5 million cubic meter (coal+OB) are monitored annually and at three year interval, respectively. Land reclamation monitoring of 86 nos. of opencast projects of CIL based on high resolution satellite data has been completed during 2014-15. Vegetation cover mapping of 7 coalfields viz. Rajmahal, Raniganj, Mand-Raigarh, Sohagpur, Ib-Valley, Pench Kanhan and Umrer based on satellite data for assessing the impact of coal mining on vegetation cover/ land use pattern have been completed.

Pertaining to the Planning & Design of Coal Handling Plants for various coal mines of CIL and outside agencies, CMPDI has the expertise for preparation of Basic Layout of a CHP having facilities of ROM coal receiving, crushing, storing and rapid loading in to rail wagons for incorporation in the Project Report, preparation of tender document for turn-key execution of CHPs including detailed specifications of various P&M used in the CHP and commercial terms & conditions, tendering, tender evaluation and determination of L-1 bidder for a CHP

on turnkey basis, design/drawing scrutiny and author's supervision, etc. Based on e-tendering done by CMPDI for Block-B CHP (3.5 Mty), work has been awarded by NCL in August 2013. E-tenders for Nigahi Ph-II and Khadia Ph-III CHPs have also been awarded.

Classification of coal reserves/resources for mines/blocks in CIL command area as on 1.4.2013 based on United Nations Framework Classification (UNFC) was done.

Certifications/recertification of 78 units (including 18 newly certified units) was achieved for different management system standards, under the guidance of CMPDI. CMPDI obtained an ISO 27001 certification in Sep.'14 for successfully implementing an Information Security Management System in its HQ. Post Certification support was provided to all subsidiary companies of CIL for the international standard – ISO 9001, ISO 14001, OHSAS 18001 and ISO 17025 in various opencast and underground mines, hospitals, workshops, washery, training institute, etc. Besides, MCL & NCL were facilitated to implement and successfully maintain the companywide Integrated Management System (IMS integrating ISO 9001, ISO 14001 & OHSAS 18001) and companywide IMS jobs have been taken up for ECL, BCCL and CCL. CMPDI provided support and guidance to Ministry of Coal, Govt. of India for aligning their working towards ISO 9001 which helped them to obtain an ISO 9001 license from Bureau of Indian Standards in October, 2014.

1.3.12 MOU between CMPDI & CIL

For every financial year CMPDIL enters into a MoU with Coal India Limited to set various parameter for physical and financial performances. The achievements are graded on a scale of 1-5; excellent being the grade 1.0 to 1.5 and poor as 4.51 to 5.0. For the year 2013-2014, CMPDIL has been graded as Excellent (1.395).

1.3.13 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, sustainance of the detailed drilling capacity of 15 lakh metre (proposed) beyond XII plan seems difficult. Further, restrictions in exploration in forest area may pose problem in expansion programme.
- Further opening of the coal sector may result in market competition from other domestic or international consultancy service providers.
- The current high age profile in the company is likely to prove detrimental in future.

1.3.14 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 experienced personnel's.
- 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.

1.3.15 Material Development in Human resources

CMPDIL as 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 level 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.

1.3.16 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 2014-15 is Rs.732.20 crores as against Rs. 652.44 crores in the previous year, thus registering an increase of 12.22 %

The total expenditure is Rs 687.39 crores mainly comprising employee benefits, power and fuel, welfare expenses, contractual expenses, repairs, finance costs, depreciation and provisions etc.

The summary of the working results for the last three years is as follows:

Eligibility Criteria		Status of CMPDIL		
		2012-13	2013-14	2014-15
1.	Profit before Taxes (Rs. in Crore)	29.77	34.60	39.33
2.	Profit after Taxes (Rs. in Crore)	25.05	19.57	25.04
3.	Net worth (Rs. in Crore)	134.89	155.88	178.06
4.	Net profit to net worth (%)	18.57	12.55	14.06
5.	Turnover (Rs. in Crore)	605.21	652.44	726.72
6.	Profit before tax to Turnover (%)	4.92	5.30	5.21

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 39.33 crores as against Rs. 34.60 crores for the previous year,increased by Rs 4.73 crores. The profit after tax is Rs 25.04 crores as against Rs. 19.57 crores for the previous year, increased by Rs 5.47 crores.

1.4.0 Financial Overview of CMPDIL

During the year the company made a net profit of Rs 25.04 Crore (After deferred Tax).

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 and by the Company Secretary in practice are enclosed as Addendum 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 19.04 crores against the authorized capital of Rs 50 crores. The capital Reserve stands at Rs 9.73 crores, general reserve stands at Rs 5.77 crores and the surplus in P/L account stands at Rs 143.48 crores and totally constituting to the shareholders fund Rs 158.98 crores. Non-Current liability 183.29 crores and current liabilities Rs 545.27 crores.

The company owns net fixed assets of Rs 110.35 Crores, Deferred tax assets 106.40 crores, Long term loans and advances 4.07 crores, other non-current assets 0.02 crores and current assets 685.74 crores.

The total revenue from operations and other incomes stands at Rs 731.97 crores and after meeting all expenditure and taxes, the net profit stands at Rs 25.04 crores. The earning per share (face value Rs 1000 per share) works out Rs 1313.

1.4.4 The amounts if any which it proposes to carry to any reserves

No amount is proposed to carry to any reserves.

1.4.5 The amount, if any, which it recommends should be paid by way of dividend

No amount was recommended to be paid by way of dividend to shareholders of the company.

The Companies operations and provision of services are based on cost plus service charges, as in house service provider to Coal India and its subsidiaries. As a policy matter, Coal India Limited i.e the shareholders have not demanded dividend from the company.

1.4.6 Material changes after 31.03.2015

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.

1.5.0 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 objective of corporate governance is to enhance and maximize shareholder's value

and protect the interest of other stakeholders like customers, employees and society at large in order to build an environment of trust and confidence among all the constituents.

1.5.1 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

1.5.2 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 31st March 2015, the Board of Directors of CMPDIL comprises of 8 (Eight) Directors out of which Five are Whole time Directors including the Chairman-cum-Managing Director, Two part-time official Directors and One part-time non-official Directors. The Board is headed by an Executive Chairman Shri Amal Kumar Debnath. Only one independent Director is on the Board of the company. The remaining three independent Director are yet to be appointed by the Ministry of Coal, Govt of India after the cessation of office of the independent Directors appointed earlier. As such the guidelines on Corporate Governance in respect of composition of Board could be followed only on appointment of the independent Directors.

The composition of Directors as on 31st March 2015 is as follows:

I. Whole-Time Directors

a. Chairman-cum-Managing Director

1. Shri Amal Kumar Debnath

b. Functional Directors

2. Sri D.K.Ghosh
3. Sri R.K.Chopra
4. Sri Shekhar Saran
5. Sri V.K. Sinha

II. Part-Time Official Directors

1. Sri Nagendra Kumar
2. Sri Devulapalli Narasimha Prasad

III. Part-Time Non-Official Directors

1. Shri Rakesh Kumar Mittal

(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. Eight Board meetings were held during the financial year 2014-15.

Sl. No.	Dates	Day	Place
1.	22.04.2014	Tuesday	CMPDIL, Ranchi
2.	10.05.2014	Saturday	CMPDIL Ranchi
3.	28.07.2014	Monday	New Delhi
4.	26.09.2014	Friday	CMPDIL Ranchi
5.	30.10.2014	Thursday	CMPDIL Ranchi
6.	17.12.2014	Wednesday	New Delhi
7.	06.02.2015	Friday	CMPDIL Ranchi
8.	03.03.2015	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
Functional Directors				
1.	Shri Amal Kumar Debnath	8	8	Yes
2.	Shri D.K. Ghosh	8	8	Yes
3.	Shri R.K.Chopra	8	6	Yes
4.	Shri Shekhar Saran	8	8	Yes
5.	Shri V.K Sinha	8	8	Yes
Part-time official Directors				
7.	Shri D. N. Prasad	8	5	No
8.	Shri Nagendra Kumar	8	6	No
Part-time Non-official Directors				
9.	Shri Rakesh Kumar Mittal	8	8	Yes

Sri D.N. Prasad, Sri R.K. Chopra and Sri N. Kumar are members of the Audit committee of CMPDIL. Sri R.K. Mittal is the Chairman of the Audit Committee of CMPDIL.

(D) II. Disclosure of interest

Sl. No.	Directors	Company in which interested	Nature of Interest i.e Chairman, Director, Manager & Secretary
Functional Directors			
1.	Shri Amal Kumar Debnath	Coal India Limited ISM, Dhanbad	Permanent Invitee Board Member
2.	Shri D.K. Ghosh	-	-
3.	Shri R.K.Chopra	-	-
4.	Shri Shekhar Saran	Coal India Africana Limitada	Director in CIAL Board
5.	Shri V.K Sinha	-	-
Part-time official Directors			
6.	Shri D. N. Prasad	Singareni Collieries Company Limited	Govt . Nominee Director
7.	Shri Nagendra Kumar	Coal India Limited SECL BCCL ICVL CIAL	Director Chairman (Addl.) Charge Part Time Director Director Chairman
Part-time Non-official Directors			
8.	Shri Rakesh Kumar Mittal	-	-

(E). 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 and sustainable Development Committee.

Award of large contracts / Agreements

Disclosure of interest by Directors about Directorship and position occupied by them in other companies.

Man power budget.

Any Other materially important information.

(F). Brief Resume of the Directors:

Shri Amal Kumar Debnath, (59) is currently Chairman cum Managing Director of Central Mine Planning and Design Institute (CMPDI), a wholly owned subsidiary of the Holding company Coal India Limited (CIL), which is the largest hard coal producing company in the World.

Shri Debnath, graduated in Mining Engineering (in 1976) from Indian School of Mines (ISM), Dhanbad, India. He obtained First Class Mine Manager's Certificate of Competency (Coal) from DGMS, Dhanbad. He has working experience of over three & half decades in coal mining sector, wherein, he served in various capacities in production and planning and management in Central Coalfields Limited (CCL) and Central Mine Planning and Design Institute Ltd. (CMPDI). He also served as the Regional Director of Regional Institute-V, CMPDI providing full exploration and planning support to South Eastern Coalfield Ltd. (SECL). Shri Debnath, worked in the capacity of Director (Technical / P&D), CMPDI, Ranchi and looked after the various activities of Environment, Underground Mine Planning & Design, Project Appraisal Division, Quality Management System and Opencast Divisions.

He has been responsible for preparation of Project Reports, Environmental Impact Assessment (EIA)/Environmental Management Plan (EMP), Operational Plan and other specialised reports for mines of CIL as well as outside clients. Project Report for Kusmunda OCP for a total capacity of 50 Mty was prepared under his guidance which is the largest mine planned in India till date. He has been instrumental in selection of sites & preparation of Global Bids for application of Highwall Mining, mass production technology such as Continuous Miner, Shortwall, Low Capacity Continuous

Miner, etc. He has acted as Chairman of various Tender Committees for technical and commercial evaluation as well as award of work for turn-key execution of Coal Handling Plants and other projects. Major consultancy works in metal mining sector for Manganese Ore (India) Ltd., Hindustan Copper Ltd., Hutti Gold Mines Co. Ltd., etc. have also been taken up under his leadership. He is the member of Mining, Geological & Metallurgical Institute of India (MGMI). Shri A.K. Debnath has a large number of technical papers presented in National and International Conferences/Symposia/Seminars. He has traveled widely to many countries like USA, UK, China, Germany, Sweden, South Africa, Australia, Poland, Turkey, etc. He is a Board member in Indian School of Mines, Dhanbad and a permanent invitee in the Board of Coal India Limited.

Sri Dilip Kumar Ghosh (59), a Graduate in Mining Engineering, is presently working as a Director (Technical) in CMPDI. Prior to his joining at CMPDI, he was in Western Coalfields Ltd., and South Eastern Coalfields Ltd., subsidiaries of Coal India Limited, working in different capacities. Shri Ghosh to his credit made many special achievements. He was awarded as "Best Manager" in the year 1993-94 in PK-II Mine of Pathakhera Area, WCL. During his tenure, in the year 2005-06 Pathakhera Area, consisting of nine UG mines, was declared as "Best UG Area of WCL" which had produced highest ever coal production i.e. 33.11 lakh tones during the year 2006-07 and LHD productivity of the Area was also the highest in WCL i.e. 189 TPD. Thereafter, he assumed the charge of Baikunthpur Area, SECL, consisting only underground mines with similar mechanization. This Area also registered growth on all counts every year during his tenure. Churcha East & West were amalgamated in the year 2009 and converted

to a Mega Underground project of 2 MTY capacities which was inaugurated by the Hon'ble minister of Coal in November 2009. Two sets of Continuous Miners are being introduced in this Project. For the year 2008-09 the Area was adjudged best Underground Area in its group. In 2009-10 on half yearly basis again this Area was adjudged best UG Area in its group. At the end of the year of 2009-10 Dipka Area, a Mega OC project of 25 Million tones per annum capacity produced 24 million tones of coal with a growth of 2 million tones. Surface miner technology was introduced with hiring of equipment for a capacity of 45000 Tonne per day. Large HEMM package of 42 Cub. Mtr. Shovel and 240T Dumper was commissioned in the month of June, 2010. Dipka Area was given award for the performance of 2009-10 for highest productivity. After joining Chirimiri Area, action was taken by Sri Ghosh for re-opening of the two mines which were sealed off earlier due to fire, for nitrogen flushing with foaming agent in the sealed off mines.

Mr. Rajesh Kumar Chopra(59), Director (Technical /P&D), CMPDI is a graduate in Mining Engineering (1977) from Banaras Hindu University (BHU). Started his career with Tata Iron & Steel Co. Ltd. in 1977, he joined CIL / CMPDIL in 1982. He was nominated for one year training in Germany in advance coal mining methods. During his service of CMPDI for over 20 years he undertook Planning of several large and mega mining projects of CCL, SECL and NCL. He was also placed in the Ministry of Coal, New Delhi as GM/ CGM (Mining) where he made his contribution in subjects like coal research & conservation, clean coal technologies, coal bed methane, gasification, CTL, coal exploration, coal project monitoring & appraisal, policies, guidelines etc. He has visited many countries and has been part of the delegations representing India,

and presented many papers in national and international forums. Presently he is Director (Technical), CMPDIL, looking after Planning and Design of Opencast and Underground projects.

Shri Shekhar Saran (53), is an engineering graduate from 1981 batch from the Deptt. Of Mining Engineering, Institute of technology, Banaras Hindu University (BHU) and has joined CMPDI, Ranchi as Director (Technical) on 1st June 2013. Being the topper of his batch he is the recipient of BHU Gold Medal as well as Robertson Medal from MGMI.

Prior to joining CMPDI, 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 ECL HQ. 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 has presented number of technical papers in different seminars/ workshops. He had also been a rescue trained member for more than 26 years and has attended a number of rescue and recovery operations in underground mines.

During his service he has visited a number of foreign countries like U.K, Germany, France, Netherlands & USA etc. He is an NCC Certificate holder & good sportsman.

Presently (since 01.06.2013) he is working as Director (Technical) CMPDI, looking after Coal Resource Development.

Shri Vinod Kumar Sinha, Director (Technical/ Research, Development & Technology), CMPDI, aged 57 years (02.07.1957) is a graduate in Mining Engineer (1978) from Indian School of Mines, Dhanbad. He has

also obtained First Class Mine Manager's Certificate of Competency from DGMS, Dhanbad.

He joined Central Coalfields Limited as a JET in the year 1978 and worked in different capacities till 2001. He then joined Bharat Coking Coal Limited as Project Officer / Agent and worked as additional General Manager in Kusunda Area. During 2006-2008, he served as a General Manager of Western Jharia Area, Mahuda and then from 2008-09 as General Manager of Eastern Jharia Area Sudamdih in BCCL.

He was instrumental in getting the ML4 powered supports re-commissioned at Moonidihandhandledchallengingassignment of Land Acquisition for expansion of Mines. He has also to his credit the introduction of Side Discharge Loader SDL in Murlidih 20/21 pit. During the period of his service as Chief General Manager (Sales & Marketing) in BCCL, under the new coal distribution policy he has made several contributions in revamping and regularisation of coal offer and allotment, Fuel Supply Agreement (FSA), corrective steps in end use of coal and refund mechanism in case of non core sector consumers and thereby enhancing the values to the stakeholder including the consumers. He has also travelled countries like China, Turkey & Switzerland in relation to his professional work.

Prior to joining CMPDI, he was working as CGM (Contract Management Cell), BCCL and rendered valuable services by timely finalisation of various contracts. He has also visited foreign countries like Germany and France.

Shri Nagendra Kumar (57) has graduated in Mining Engineering (B.Tech – Mining) from Indian School of Mines, Dhanbad in the year 1980. He joined CCL as junior Executive Trainee in 1980. In his first 20 years in

CCL, he has worked for almost 6 years as Manager and 7 years as Project Officer. He was transferred to ECL in 2001 in the same capacity and assumed the charge of General Manager in 2004 and Chief General Manager in 2007. He has spent most of his career in reviving difficult underground and opencast mines and has the experience of working with almost all kind of mechanization in underground and opencast. He was actively associated with indigenization of Long Wall Equipment and has presented a number of papers on its successful implementation. His latest achievement is the successful operation of Continuous Miner in Jhanjra Area matching World Standards in production and safety. Shri Kumar is a member of MGMI, IMMA and Institution of Engineers. He has travelled foreign countries like South Africa and China, France, Italy and Germany. Shri Kumar is fond of cricket, books, old melody songs and Rabindra Sangeet too. He assumed the charge of Director (Technical) of Coal India Limited on 01.02.2012 and since then his functioning as Director (Technical) of Coal India Limited. In addition, he is holding Chairmanship of Coal India Africana Limitada and he is also holding Directorship in ICVL, BCCL and in CMPDI. Besides, he had also held the additional charge of CMD of SECL.

Shri D.N. Prasad (58), a Graduate Mining Engineer from the University College of Engineering, Osmania University with University First rank, holder of First Class Mine Manager's Certificate of Competency to manage coal mines and MBA from UK, has put in about 36 years of overall experience in the Coal and Energy sectors of India. His experience includes eleven years of operation and management of coal mines in the Public Sector Coal Companies, Coal India Ltd. & Singareni Collieries Co. Ltd. and about 21 years in Development Policy Planning for

Energy fuels Coal & Lignite in the Energy Division of the Planning Commission and Ministry of Coal, Government of India. He is presently continuing as Advisor (Projects) in the Ministry of Coal, Govt. of India. His experience encompass 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. He represented Planning Commission & Ministry of Coal on various Committees related to coal development and visited a number of countries including Australia, Japan, Germany, UK, USA, Belgium, France, China, Turkey, Switzerland etc. in relation to professional work. He has contributed a number of papers on policy and issues in coal sector in various National & International Forums. He is a Member of professional bodies like Institution of Engineers (India), Mines, Metals & Geological Institute of India (MMGI) etc. He is also holding Directorship in Singareni Collieries Co. Ltd.

Mr Rakesh K. Mittal was born in August 1949 on 'Raksha-Bandhan' day in a small town Purkazi of District Muzaffarnagar in U.P. He had his early education in his home town and the district headquarter before acquiring Bachelor's degree in Mechanical Engineering from the University of Roorkee (now an IIT) in the year 1970. He topped the University from entrance examination to the final examination. He also took keen interest in various games and extra curricular activities. As a result he was awarded the Chancellor's Gold Medal for the best student

in all faculties during the session 1969-70 along with many other awards.

After working in the field of Engineering for few years, Mr Mittal joined the Indian Administrative Service (IAS) in the year 1975 and got U.P. cadre. He served in various positions during his long career in the service and reached up to the highest level of the service. Some of his notable assignments. were District Magistrate Basti, Addl. Director of Industries U.P., Managing Director U.P. Handloom Corporation, Managing Director U.P. Export Corporation, Director of Handloom & Textile U.P., Secretary Panchayati Raj, Secretary Medical Education, Housing Commissioner U.P., Secretary Horticulture and Food Processing, Principal Secretary Secretariat Administration, Principal Secretary Medical and Health, Principal Secretary Forest, Principal Secretary Prisons, Commissioner of Lucknow Division, Principal Secretary Education, Social Welfare Commissioner and Agricultural Production Commissioner. Mr Mittal also served in Central Government on deputation in the Ministry of Steel for 5 years. In all his assignments, Mr. Mittal served with great dedication and earned good name for his competence as well as integrity. Mr Mittal retired from the IAS on 31st July, 2009.

Mr. Mittal became a spiritual seeker in the early years of his service which brought him in contact with many good books, persons and organizations. In 1991 he came in contact with Swami Bhoomananda Tirtha of Kerala and became his disciple. As a result his vision expanded a lot and his thinking became very clear. In due course he associated himself with many good organisations like Bhartiya Vidya Bhawan, Servants of the People Society, Brahma Kumaris World Spiritual University, Shanti-Kunj, The Art of Living Foundation, Bharat Vikas Parishad, Chinmaya Mission etc. Being of a very secular outlook he is

close to many organizations of other religions also. He is a widely travelled person and has extensively travelled within India as well as has been to almost all important countries of the world. He also participated in **“World Peace Summit”** organized by UNO in August 2000 at New York as a member of Indian delegation.

Greatly Inspired by the lives of Sant Kabir, Swami Vivekananda and Mahatma Gandhi Mr Mittal founded **‘Kabir Peace Mission’** in the year 1990, with the help of some like minded friends. Today this mission has expanded widely with more than 2200 life members spread over 35 centers in India and abroad. The main objective of the mission is to develop positive thinking in the society in order to make it peaceful and harmonious. To share his experiences with others, Mr. Mittal has written about 16 books in English and Hindi on various aspects of life. Some of the titles are ‘Positive Thoughts’ ‘Positive Mind Power’, ‘Positive Mind Therapy’, ‘21 Laws of Positive Living’, ‘Think Positive and Things will go right’, ‘The Power of Positive Management’, ‘The Power of Positive Words’, ‘The Power of Positive Anecdotes’ and ‘Nuggets of wisdom’. Most of these books have been written in Hindi also. Some of his books have been translated in other languages Indian as well as foreign.

Sri Mittal has been honoured by various organisations like ‘The Art of Living Foundation’, ‘Bharat Vikas Parishad’, ‘Bharat Jyoti’ and many others. He was conferred the honour of ‘Uttar Pradesh Ratna’ by All India Conference of Intellectuals’ in October 2002 by then Governor of U.P. Shri Vishnu Kant Shastri. After retirement from the IAS, Mr Mittal in engaged in many welfare activities mainly through **‘Kabir Peace Mission’**. He is on the board of several educational and

social institutions. His passion is to inspire others through his lectures, books and discussions. Fortunately he gets ample opportunities for doing so and he accepts them with great simplicity as well as humility. He is also trying to create a network of good persons and organisations for achieving the goal of a happy and peaceful society. Mr. Mittal has been the President of Lucknow Management Association (LMA; in the years 2012 and 2013. LMA is one of the top management associations affiliated with All India Management Association (AIMA).

1.5.2 A statement on declaration given by Independent Directors under sub-section

(6) of section 149;

Sri Rakesh Mittal is an Independent Director of the company. He discharged his duties for whole of the financial year 2014-15. Shri Mittal declared that he meets the criteria of independence as provided in sub-section (6) of Section 149 of Companies Act 2013.

1.5.3 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 [Clause 2AA of Section 217 of the Companies Act, 1956].
 - b. Changes, if any, in accounting policies and practices and reasons for the same;
 - c. Major accounting entries involving estimates based on the exercise of judgment by management;
 - d. Significant adjustments made in the financial statement arising out of audit findings;
 - e. Compliance with legal requirements (applicable laws, regulation and Company policies) relating to financial statements;
 - f. Disclosure of any related party transactions; and
 - g. Qualifications in the draft audit report.
5. Reviewing with the management, the quarterly financial statements before submission to the Board for approval.
 6. Reviewing with the management, performance of internal auditors and adequacy of the internal control systems.
 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

F. Composition:

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

1.	Chairman	Sri R.K Mittal	Non-official part-time Director
2.	Member	Sri D. N. Prasad	Govt. nominee Director
3.	Member	Sri N.Kumar	Director (Technical)
4.	Member	Sri R.K.Chopra	Director (Technical)

The Audit Committee is headed by an independent Director Sri R.K Mittal and the other three members are from Ministry of Coal, Coal India Limited and CMPDIL, as the remaining three independent Director are yet to be appointed by the Ministry of Coal, Govt of India after the cessation of office of the independent Directors appointed earlier

The guidelines on Corporate Governance in respect of Audit Committee could be followed only on appointment of the independent Directors.

G. Meeting and Attendance:

Six meetings were held during the financial year 2014-15 on 22.04.2014, 10.05.2014, 28.07.2014, 26.09.2014, 30.10.2014 and 06.02.2015 respectively. The details of the audit committee meetings attended by members are as under:

Members of Audit committee	Status	Meetings held	Meetings attended
Shri R.K.Mittal	Chairman	6	6
Shri N. Kumar	Member	6	4
Shri R.K. Chopra	Member	6	5
Shri D. N. Prasad	Member	6	4

1.5.4 Nomination and Remuneration Committee:

CMPDI, being a Central Public Sector Enterprise, the appointment, tenure and remuneration of Directors are fixed by the President of India.

The decisions relating to remunerations in respect of annual bonus/variable pay pool and the policy for its distributions across the executives and non-unionized supervisors in line with the prescribed limits are made by Coal India Limited, the holding company, which has constituted the remuneration committee.

The company being the subsidiary of Coal India Limited, the remuneration of the executives and non-unionized supervisors are regulated as per the directions of the holding company, Coal India Limited and Government of India.

Hence, the Nomination and remuneration committee is not constituted.

In terms of Section 178 of the Companies Act, 2013 the Nomination and remuneration committee is to be constituted consisting of three or more non-executive directors out of which not less than one half shall be independent directors.

As per the present members of the Board on the roll of CMPDIL Board, the constitution of such committee is bound to violate the norms and hence the constitution of the committee is awaited till the appointment of independent directors and instructions from CIL.

1.5.5 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 & Sustainability Committee in its 172nd 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):

1.	Chairman	Shri R.K.Mittal	Non-official part-time Director
2.	Member	Shri D. K. Ghosh	Director (Technical / ES)
3.	Member	Shri R. K. Chopra	Director (Technical /P&D)

Meeting and Attendance:

Two meetings were held during the financial year 2014-15 on 28.07.2014 and 05.02.2015. The details of the Sustainable Development Committee meetings attended by members are as under:

Members of CSR committee	Status	Meetings held	Meetings attended
Shri R.K.Mittal	Chairman	2	2
Shri D. K. Ghosh	Member	2	2
Shri R. K. Chopra	Member	2	1

1.5.6 Remuneration of Directors:

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 including Leave encashment	Perks	HRA	CMPF Employer's Contribution	PRP Advance	TOTAL	LTC & Medical expenses
Sri A. K. Debnath	CMD	1899732.00	443152.00	0.00	263394.00	0.00	2606278.00	184035.00
Sri Shekhar Saran	Director (Tech)	1754925.00	391500.00	0.00	244521.00	0.00	2390946.00	75339.00
Sri V.K.Sinha	Director (Tech)	1611023.72	343073.00	0.00	209776.00	0.00	2163872.72	214691.00
Sri D.K.Ghosh	Director (Tech)	1780512.00	396995.00	0.00	247020.00	0.00	2424527.00	102314.00
Sri R.K.Chopra	Director (Tech)	1755345.00	408000.00	0.00	245745.00	0.00	2409090.00	21601.00

(B) Part-Time Official Directors

No remuneration is being paid to the Part-Time Official Directors by CMPDIL. Shri D.N. Prasad, Adviser (Projects) is the nominee Director from the Ministry of Coal, Govt. of India, New Delhi and Shri N. Kumar, Director (Technical) is the nominee Director from Coal India Limited, Kolkata and their remuneration is being paid by the Ministry of Coal Govt of India and Coal India Limited respectively.

(C) Part-Time Non-Official Directors

No remuneration is being paid to the Part-Time Non-Official Directors of the Company except the sitting fees for attending the Board and Committee meetings at the rate fixed by the Coal India Board within the ceiling fixed under the Companies Act, 2013. The details of the sitting fees paid to the Part-Time Non-Official Directors are given as under:

Sl. No.	Name	Sitting Fees paid for attending		Total (Rs.)
		Board Meeting (Rs.)	Committee Meeting (Rs.)	
1.	Shri R.K.Mittal	120000.00	120000.00	240000.00

1.5.7(i) Annual General Meetings:-

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

Details	2011-2012 37 th AGM	2012-2013 38 th AGM	2013-14 39 th AGM
Date	21.05.2012	22.05.2013	10.06.2014
Time	10.30 A. M.	10.30 A. M.	11.00 A.M
Venue	At the Registered office of the company, Gondwana Place, Kanke Road, Ranchi, Jharkhand-834031	At the Registered office of the company, Gondwana Place, Kanke Road, Ranchi, Jharkhand-834031	At the Registered office of the company Gondwana Place, Kanke Road, Ranchi, Jharkhand-834031
Special Resolution	Nil	Nil	Nil

1.5.7(ii) Extra Ordinary General Meeting

Details	2012-13	2013-14	2014-15
Date			27.03.2015
Time			11:00 A.M
Venue	NIL	NIL	At the Registered office of the company Gondwana Place, Kanke Road, Ranchi, Jharkhand-834031
Special Resolution			Yes

1.5.7 (iii) Independent Directors Meeting:

A meeting was held by Independent Directors on 09.05.2013 at Ranchi as per the guidelines issued by the MoC. During current Financial Year 2014-15 no meeting could be held as only one independent director is on the roll.

1.5.8 Disclosures:

- **Materially Significant related party transactions:**

The Company has not entered into any materially significant related party transactions with the Directors or the Senior Management Personnel or their relatives for the year ended 31st March 2015 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 2014-15 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

- **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

Remuneration Committee, 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 Auditor who is in whole-time practice with regard to compliance of conditions of Corporate Governance is annexed to this report. All the four Independent Directors ceased to be Directors on 23.12.2013 out of which only one Independent Director was appointed on 01.11.2013 for a period of three years by MoC. The remaining three Independent Directors are yet to be appointed by MoC. CMPDIL has intimated the status of pending appointments of Independent Directors to CIL/MoC. In view of this the provisions related to Directors both as per the guidelines on Corporate Governance and as per the provisions of Companies Act, 2013 could not be complied.

- **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) of the

Company have furnished the “CEO/CFO Certification” for the Year 2014-15 to the Board of Directors of the Company which is placed as addendum 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 in the website of the Company i.e www.cmpdi.co.in. The Directors and Senior Management personnel of the Company affirmed compliance with the provisions of the Company’s Code of Conduct for the financial year ended 31st March 2015.

- **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 CMPDI during the financial year 2014-15.

- **Annual Return**

Annual Return is regularly filed with ROC. Annual Return for the year 2013-14 was filed with ROC on 29.07.2014 and for the current year 2014-15 is being filed with the ROC. An extract of Annual Return in Form No: MGT-9 is placed as addendum to this report.

1.5.9 Means of Communication

The Company communicates with its shareholder through its Annual Report,

General Meetings and disclosures through its website, Official journal "Sampatha", MineTech and publications in the Leading English Newspaper and also in local dailies.

In addition to above, the Annual Report and the quarterly results of the company and other important events were uploaded in the website of the company i.e www.cmpdi.co.in. Information and latest updates and announcements regarding the company can be accessed to the company website. In order to make the general public aware of the achievements of the company, press conference is also being held.

1.5.10 Audit Qualification

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

Management reply to the Statutory Auditors' observations on the Accounts of the Company for the year ended 31st March 2015 are furnished as Annexure to the Directors' Report. Comments of the Comptroller & Auditor General of India under Companies Act, 2013 on the Accounts of the Company, for the Financial Year ended 31st March 2015 is also enclosed.

1.5.11 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.

1.5.12 Whistle Blower Policy

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

This policy is formulated to provide an opportunity to employees to report to the management instances of unethical behavior, actual or suspected, fraud or violation of the company's code of conduct. Clause 49 of the Listing Agreement between listed Companies and the Stock Exchanges has been emended and is effective from November 4th, 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.

A certificate was also given by Internal Audit Department to the effect that no Whistle Blower was prevented from approaching the Audit Committee.

1.5.13 Risk Management Plan

As a part of strategic business policy, due importance is given to the process of risk identification, assessment and mitigation

control in different functional areas of the organization. Inherent risk due to external and internal factors is assessed and necessary mitigation control measures are taken through policies and system to manage risk effectively. The risk management scheme of CMPDIL 2011 was approved by the Board in its 164th meeting held on 13.01.2012 and this Scheme is in operation in CMPDIL. The Risk Management Plan is also uploaded in the intranet website of CMPDIL. Risk management policy for CIL and its subsidiaries is under finalization.

1.5.14 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.

1.5.15 Accountability of Directors

Memorandum of Understanding (MoU) between the management of CMPDI 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 CMPDI 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.

1.5.16 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.

1.5.17 Key Managerial Personnel

As per the provisions of section 203 of the Companies Act, 2013 the key Managerial Personnel are:

Shri Amal Kumar Debnath-CEO

Shri P.Lazar-Company Secretary

Shri D.K.Rao-CFO

1.6.0 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 follows the CSR policy as formulated by Coal India Limited for all its subsidiaries, 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. CMPDI 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 CMPDI to implement its policies and programs.

Keeping in view the special nature of its business, CMPDI initiated its CSR & Sustainability activities during 2014-15, which may be found in Part B of the report.

1.7.0 Extract of Annual Return

The Extract of Annual Return as per Section 92(3), being filed with the Registrar of Companies (ROC) in Form No-9 with the details therein are enclosed as annexure to this report. **(Addendum-III).**

1.8.0 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)**

1.9.0 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 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 ₹ 19.04 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 three 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 CIL for the holding company and its subsidiary company

PART : B

ANNUAL PERFORMANCE OVERVIEW

1.0 Geological Exploration & Drilling

1.0.1 CMPDI continued to carry out coal exploration activities in 2014-15 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 CMPDI has substantially improved the capacity of drilling during XI & XII plan period. As against the achievement of 2.09 lakh metre in 2007-08, CMPDI has achieved 4.98 lakh metre in 2011-12, 5.63 lakh meter in 2012-13, 6.97 lakh meter in 2013-14 and about 8.28 lakh meter achieved in 2014-15 (Growth - 19%) through departmental resources and outsourcing. For capacity expansion through modernization of departmental drills, 39 new Mechanical drills & 4 Hi-Tech Hydrostatic drills have been procured since 2008-09, out of which 10 have been deployed as additional drills and 33 as replacement drills. CMPDI has also replaced 38 mud pumps and 74 trucks in last six years. In addition to this supply order for 8 Hi-Tech Hydrostatic drills have been placed in 2014-15, out of which 3 drills have been received and deployed in March'15.

To meet the increased work load, recruitment has been taken up through campus interview / open examination. 225 geologists, 32 geo-physicists and 20 Mechanical Engineers for Drilling have joined CMPDI since 2008-09. About 879 non-executive staffs have also been inducted for exploration work. Out of it 42 geologists, 6 geo-physicists, 5 Mechanical Engineers and 11 non-executives have resigned.

1.0.3 Under outsourcing, the work of 50 blocks involving 17.17 lakh metre of drilling was awarded through tendering since 2008-09, out of which drilling has been concluded in 24 blocks. Due to local (law & order) problems, work could not start in 2 blocks and stopped in 6 running blocks. Due to non-availability of forest clearance work is stopped in 11 blocks. Due to lack of forest clearance and adverse law & order, about 3.67 lakh m. of drilling could not be carried out in departmental & outsourced blocks in 2014-15.

In 2014-15 a total of about 4.72 lakh m. (Growth-27%) is drilled through outsourcing, out of which 2.45 lakh m. through tendering, 2.20 lakh m. through MoU with MECL and 0.07 lakh m. through State govts..

1.0.4 To fulfill the enhanced requirement of coal core analysis due to increase in drilling, the capacity expansion of CMPDI & CIMFR labs has been taken up. A MoU between CMPDI (on behalf of Coal India Ltd.) and CSIR has been signed for capacity enhancement. The work is under progress.

1.1 Drilling Performance in 2014-15:

1.1.1 CMPDI deployed its departmental resources for detailed exploration of CIL/Non-CIL blocks whereas State Govts. of MP and Odisha deployed resources in CIL blocks only. Besides, eight other contractual agencies have also deployed resources for detailed drilling/exploration in CIL/Non-CIL blocks. A total of 140 to 160 drills were deployed in 2014-15 out of which 57-61 were departmental drills.

Apart from it, CMPDI continued the technical supervision of Promotional Exploration work undertaken by MECL in Coal Sector (CIL & SCCL areas) in 7 blocks, GSI in 9 blocks and DGM(Nagaland) in 2 blocks each in Coal Sector on behalf of MoC. Promotional Exploration work undertaken by MECL in

Lignite Sector in 8 blocks & GSI in 4 blocks. A total of 1.40 lakh m. of promotional drilling was carried out in Coal (0.71 lakh m.) & Lignite (0.69 lakh m.) during 2014-15.

1.1.2 In 2014-15, CMPDI and its contractual agencies took up exploratory drilling in 93 blocks/mines of 22 coalfields situated in 6 States. Out of 93 blocks/mines, 30 were Non-CIL/Captive blocks and 63 CIL blocks/mines. These coalfields are Raniganj (6 blocks/mines), Barjora(1), Brahmani(1), Rajmahal(3), Jharia (3 blocks/mines), W.Bokaro (2), Ramgarh (2), South Karanpura(5), North Karanpura (7), Kamptee (8), Nand-Bander (2), Wardha Valley(5), Sohagpur (11), Mand Raigarh (11), Korba (6), Bishrampur (2), Sonhat (1), Tatapani-Ramkola- (4), Singrauli (4), Talcher (10) and Ib Valley (6) . Departmental

drills of CMPDI took up exploratory drilling in 57 blocks/mines whereas contractual agencies drilled in 36 blocks/mines. .

1.1.3 Under Promotional (Regional) Exploration Programme, MECL has undertaken Promotional drilling in 9 coal blocks (Mand Raigarh = 3, Bishrampur = 2, Singrauli=2, & Godavari Valley = 2), GSI has undertaken 11 blocks for Promotional drilling (Raniganj CF=2, Talcher CF= 2, Ib Valley = 2, Sohagpur = 3 & Tatapani Ramakola=2). DGM(Nagaland) & DGM(Assam) has also undertaken 1 block each for Promotion drilling i.e. Northern Khar & Karbianglong, respectively in Coal Sector.

The overall performance of exploratory drilling in 2014-15 is given below:

(Figures in Lakh meter)

Agency	Target 2014-15	Performance of Exploratory Drilling in 2014-15			Achieved Prev. Year: 2013-14	Growth %
		Achieved	Achieved (%)	+/-		
A. Detailed Drilling Undertaken by CMPDI :						
I. Departmental	3.50	3.56	102%	0.06	3.25	10%
II. OUTSOURCING						
State Govts.	0.10	0.07	69%	-0.03	0.06	15%
MECL (MOU)	2.15	2.20	102%	0.05	1.71	29%
Tendering (CIL blocks)	3.74	1.59	43%	-2.15	1.56	2%
Tendering (Non-CIL blocks)	2.51	0.85	34%	-1.66	0.38	123%
Total Outsourcing	8.50	4.72	55%	-3.78	3.71	27%
Grand Total A	12.00	8.28	69%	-3.72	6.97	19%
B. Promotional Drilling by MECL, GSI, DGM(Nagaland) & DGM(Assam):						
I. COAL SECTOR						
GSI	0.165	0.189	115%	0.024	0.156	21%
MECL	0.700	0.503	72%	-0.197	0.468	8%
DGM, Nagaland	0.005	0.004	85%	-0.001	0.007	-41%
DGM, Assam	0.005	0.000	0%	-0.005	0.001	-100%
CMPDI	0.030	0.010	35%	-0.019	0.000	-
Total Coal:	0.905	0.707	78%	-0.198	0.632	12%
II. LIGNITE SECTOR						
GSI	0.135	0.085	63%	-0.050	0.074	15%
MECL	0.610	0.603	99%	-0.007	0.614	-2%
Total Lignite	0.745	0.688	92%	-0.057	0.688	0%
Grand Total	1.650	1.395	85%	-0.255	1.320	6%

* In 2014-15, 5.45 lakh m. has been drilled in CIL blocks and 2.83 lakh m. in Non-CIL blocks.

In 2014-15, CMPDI achieved its departmental and overall drilling targets by 102% and 68%, respectively. The performance of departmental drilling is better than previous year with **growth of 10%** and recording average operational drills productivity of **514 m/drill/month**. Non-availability of permission to explore in forest areas & local problems(law& order) has affected the performance of outsourced drilling. MECL could not achieve the targets of Promotional drilling in coal sector due to forest problems and CMPDI could not take promotional drilling due to priority in detailed drilling.

About 8,848 m. of exploratory drilling carried out in License Area Nos. 3450L & 3451L, Moatize Coalfield, Tete Province, Mozambique under supervision Coal India Africana LDA.

1.1.4 Drilling in Non-CIL/Captive Mining Blocks:

A programme comprising 20.13 lakh meters(Including NER) of detailed drilling in coal has been drawn up by working group on "Coal & Lignite" for formulation of the Twelve five year plan with fund requirement of Rs. 974.69 crores through department resources and outsourcing. In 2014-15, a total of 4.16 lakh m. of drilling was targeted in Non-CIL blocks (departmental=0.65,lakh m., outsourcing=3.51m). As against this, a total of **2.83 lakh m.** has been achieved, out of which the departmental drills of CMPDI have carried out **0.61 lakh m.** of exploratory drilling whereas **2.22 lakh m.** has been achieved through outsourcing.

Apart from above exploration work, CMPDI has provided preliminary geological information of existing Captive Mining Blocks to MoC for allotment purpose. CMPDI has also provided copies of existing GRs to prospective entrepreneurs of Captive Mining to enable them in selection of suitable

blocks for their end use. After the process of allotment is over, original Geological Report is provided to allottee on payment of total cost of exploration.

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 EMP clearance. Hydro geological studies for 31 mining projects/mines/cluster of mines in ECL, BCCL, CCL, WCL, SECL NCL and MCL and were completed during 2014-15.

1.2.2 CMPDI is carrying out groundwater monitoring of MOEF cleared projects 65 nos. of mines of WCL area and 15 nos. Cluster of mines in BCCL area. Water level monitoring in other areas of ECL, CCL, SECL, NCL and MCL are also in progress.

1.2.3 Hydrogeological notes on ground water condition of 10 WCL, 3 MCL and 10 SECL projects as part of PR, GR, production supports etc have also been completed during this period. Hydrogeological studies for mine water inflow estimation in 1 project of WCL were completed including supervision of construction of wells and conducting Aquifer Performance Test (APT) for long duration in Barakar and Kamathi formations separately.

1.2.4 Hydrogeological studies in 8 projects of WCL, SECL and MCL have been carried out for water supply arrangement to mines, colony and villages.

1.2.5 Final report on Hydrogeological investigations for disposal of ash in Jagannath OC mine void and South Balanda OC mine void for NTPC has been submitted.

1.3 Geological Reports:

1.3.1 In 2014-15, 16 Geological Reports are prepared on the basis of detailed exploration conducted in previous years. In addition to

this 8 Revised Geological Reports are also prepared. The prepared Geological Reports about **3.6 Billion Tonnes** of additional coal resources established under 'Proved' category.

- 1.3.2** Under Promotional Exploration Programme, GSI and MECL have submitted 13 Geological Reports on coal blocks, established about **4.0 Billion Tonnes** of coal resources, in 'Indicated' & Inferred categories, above specified thickness.

1.4 Geophysical survey

- 1.4.1 Geophysical Logging:** Boreholes drilled for exploratory drilling were geophysically logged to get the in-situ information of different strata encountered in the boreholes. During the year 2014-15, a total of 2,34,614 depth meter of geophysical logging has been carried out for this purpose in CIL and Non-CIL projects with multi parametric geophysical logging equipments. Out of this, 61,143 depth meter of logging was done by 4 no. of departmental geophysical logging unit and 1,73,471 meter of logging was done by contractual agencies.

- 1.4.2 Surface Geophysical Surveys:** CMPDIL has also undertaken Electrical resistivity and magnetic survey in CIL & NON-CIL blocks for delineation of in-crop of coal seams, delineation of dykes and ground water investigation. A total of 311 line Km of resistivity profiling, 121 no. of Vertical Electrical Sounding (VES) and 6509 no. of stations of magnetic surveys has been carried out in 2014-15 for such purposes. With 48 channel signal enhancement seismographs a total of 104.4 line km of high resolution shallow seismic (HRSS) survey has been carried out in Renki block Korba Coalfield, Pundi East block West Bokaro Coalfield, Mohanpur South & adjoining blocks, Raniganj Coal Field.

- 1.4.3 Reports:** A total of 21 geophysical reports have been submitted during the year 2014-

15. It includes 10 reports on geophysical logging, 2 on resistivity survey, 2 on magnetic survey, 1 on HRSS survey and 6 on ground water study.

1.5 Geosystem:

- 1.5.1** In the Government funded project "Integrated Coal Resources Information System(ICRIS), Zone level modeling continued and total 38 nos. of zones modeled by different data centers loaded on ICRIS website. In place of zone modeling it has been decided to take up the models as per requirement of planners. DGPs survey and conversion to WGS84 datum as per new toposheet of Survey of India taken up and correction of CIL/Addl. CIL block boundaries along with rationalization of CIL/Addl. CIL blocks with desired information being carried out. Procurement of new hardware to replace old hardware is in process.

1.5.2 CEMPGEODOC & SASLINT :

In-house developed software CEMPGEODOC for geological data processing and generation of various textual/ graphic outputs is under development to fulfill desired requirement like GCV computation.

Inhouse developed software SASLINT for lithological and proximate analysis data interpretation from geophysical logs and generation of graphic outputs under testing and implementation stage with Mozambique data and few blocks of different RIs being tested.

1.6 COAL BED METHANE (CBM) / COAL MINE METHANE (CMM)

1.6.1 Collaborative commercial development of CBM in Jharia & Raniganj Coalfields by the consortium of CIL & ONGC:

The Govt has allotted two CBM blocks in 2002 namely Raniganj North CBM block in Raniganj Cf and Jharia CBM block in Jharia coalfield to the consortium of ONGC & CIL on nomination

basis for commercial development of CBM. CMPDI is implementing the projects on behalf of CIL. ONGC is the Operator for both CBM blocks and carrying out the jobs as per contractual agreement with the Govt. of India.

On completion of CIL part of work programme by CMPDI and supplemented by appraisal activity by ONGC has resulted in formulation of Field Development Plan (FDP) by the Operator i.e; ONGC. The FDP for both the CBM Blocks were approved by Govt. of India in July 2013, however till date, in absence of Petroleum Mining Lease (PEL) and Environmental clearance the actualization of FDP could not taken place. In the meanwhile, operator sought budgetary approval to the proposed work program of 2014-15 & 2015-16 which preliminarily consists of spudding of two new wells and maintenance of existing wells in Jharia CBM Block and Raniganj CBM Block along with 2D seismic survey in Raniganj CBM Block.

In view of wide deviation in proposed work programme and budgets from year to year work program and corresponding financial provision as made in FDP of respective CBM Block, CIL expressed its inability to approve the same and suggested to review the FDP. In order to settle certain operational and contractual issues between the consortium partners a high level meeting between Chairman/CIL and Chairman/ONGC held in February, 2015 at Kolkata and it was decided that activities will be expedited for smooth operation of the projects.

1.6.2 CBM and Shale gas related studies under Promotional Exploration during XII Plan

1.6.2.1 CBM related studies:

CMPDI is carrying out studies related to "Assessment of Coalbed Methane Gas-in-Place Resource of Indian Coalfields/Lignite fields" through boreholes being drilled under

promotional exploration (XII Plan period) under Promotional Regional Exploration (PRE) funding. A total of 60 boreholes (40 by CMPDI and 20 by GSI) will be taken up for CBM specific data generation during the XII Plan. For the plan period studies have been completed by CMPDI in twenty four (24) boreholes and 11 Bhs by GSI. During April, 2014–March, 2015 studies have been completed in eight boreholes by CMPDI.

Total eighteen reports have been submitted since April, 2007. During the year following three reports based on CBM related studies have been submitted:

- a. Dipside of Garjanbahal block, IB Valley Cf,
- b. Bhalumuda block, Mand-Raigarh Cf.
- c. Mandwa block, Bander Cf

1.6.2.2 Shale gas related studies:

CMPDI is carrying out studies related to "Assessment of Shale Gas-in-Place Resource of Indian Coalfields/Lignite fields" through boreholes being drilled under promotional exploration (XII Plan period) under PRE funding of Ministry of Coal. This study will create the data base for assessment of shale gas potentiality and facilitate delineation of more blocks for Shale Gas development.

CMPDI to carry out shale gas specific data generation in 25 boreholes during XII Plan period under PRE funding. For the plan period shale gas studies have been completed by CMPDI in fifteen (15) boreholes. During April, 2014–March, 2015 studies have been completed in five boreholes by CMPDI.

1.6.3 Commercial development of Coal Mine Methane (CMM)

Commercial development of CMM is a priority area both at the Govt. and Coal Industry level. Successful implementation of the Demonstration Project at Moonidih mine

of BCCL has already proved the efficacy of the process in Indian Geo-mining condition and five suitable areas within CIL mining leasehold areas were identified. Further, MoC has made CMPDI the Nodal Agency for development of CMM in India.

Mechanism of operationalization of commercial development of CMM within CIL coal mining command areas is under consideration at Government level. A formal communication in this regard is awaited after which further activities will be taken up by CMPDI/CIL for development and exploitation of CMM.

Under the aforesaid background, actions for commercial development were initiated by CMPDI on behalf of CIL/concerned Coal Companies for commercial development of CMM in 5 identified blocks (3 in BCCL and 2 in CCL). Further to expand scope of development of CMM in CIL areas a project titled "Assessment of CMM Potentiality in CIL Command Area" has been undertaken as approved by CIL to delineate suitable block(s).

1.6.4 CMM/CBM Clearinghouse in India

A CMM/CBM clearinghouse was established at CMPDI, Ranchi under the aegis of Ministry of Coal and USEPA on 17th November, 2008. The clearinghouse 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 the initial 3 year term completed in November, 2011 USEPA grant had been extended for additional three years on the approval of Ministry of Coal, which is up to November, 2015.

US Environmental Protection Agency (USEPA) visited CMPDI on 9th-10th December 2014. Under GMI initiative a pre-feasibility study for the Sawang UG mine, East Bokaro Coalfield was done by the USEPA Consultant under the Coalbed Methane Outreach Program (CMOP) on pre-mine methane drainage feasibility. A technical presentation was done on 10th December by the USEPA Consultant on the feasibility report. During the visit activities of India CMM/CBM Clearinghouse was also reviewed and appreciated. USEPA has agreed to extend their support for further term i.e. 3 years.

1.6.5 Commercial development of Underground Coal Gasification (UCG) within CIL command area:

Mechanism on commercial development of UCG is under consideration at Government level. Global tendering for selection of "Developer for Commercial Development of Underground Coal Gasification (UCG)" in Kaitha Block of Central Coalfields Limited (CCL) and Thesgora "C" Block of Western Coalfields Limited (WCL) is under consideration by CIL/CMPDI.

1.6.6 Delineation and preparation of Data-dossiers for DGH

DGH had awarded the consultancy work of delineation and preparation of Data Dossiers on prospective CBM blocks. For the Round V "Data Dossiers" for identified eight CBM blocks have been submitted to DGH during 2013-14. CMPDI has also taken up steps for development of shale gas and at the behest of DGH has carried out work related to Delineation and preparation of Data Dossiers for six prospective Shale Gas blocks within

Gondwana Basin. Systematic studies were carried out and the Data Dossiers for Shale gas blocks in Raniganj, Jharia, Bokaro, South Karanpura, North Karanpura and Sohagpur basins have been submitted to DGH during 2013-14.

1.6.7 R&D and S&T Projects

Projects on Coalbed Methane

1.6.7.1 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 has been approved under Eol of Coal S&T project vide MoC letter no. 34012/1/2014-CRC-I dated 25th Feb, 2014. IEST/BESU, Shibpur is the principal implementing agency and CMPDI, Ranchi, TCE, Kolkata & NGRI, Hyderabad are sub implementing agencies in this project. The project is of 3 years duration in effect from 24th March, 2014. Work is in progress as per the approved project in South Karanpura Cf.

1.6.7.2 CIL R&D project titled “Studies on shrinkage swelling characteristics of some Indian coals to ascertain recoverability of CBM from deep seated coal resources”.

CIL R&D project titled “Studies on shrinkage swelling characteristics of some Indian coals to ascertain recoverability of CBM from deep seated coal resources (Project Code#CIL/R&D/1/53/2013)” has been completed as per schedule. The project commenced on 1st March, 2013 and its completion report submitted on 27th Feb, 2015.

1.6.7.3 EU funded Research Project titled “Greenhouse Gas Recovery from Coal Mines and Unmineable Coalbeds and Conversion to Energy” (GHG2E).

CMPDI is one of the participating organizations along with IIT Kharagpur

from India in the multi-national/ multi-organization (12 partners from 5 countries) collaborative project titled “Greenhouse Gas Recovery from Coal mines and unmineable coalbeds and conversion to energy” under the funding scheme of European Union Research Commission (EURC-Call Identifier-FP7-ENERGY-2010-2) for the period of 42 months, which has been approved under the partial funding scheme of European Union Research Commission. The balance fund has been provided under a CIL R&D scheme. The project aims at studies and modeling of recovery of coal mine methane and its utilization as clean energy.

Field desorption study in two horizontal in-seam boreholes at Moonidih mine has been completed. Progress Review meeting and workshop of the project was held on 7th-10th July, 2014 at Beijing (China) and 8th-10th December, 2014 at Kolkata which was attended by officials of CMPDI under leadership of Director(Tech/RD&T) and CMD CMPDI respectively where representatives of partner countries also participated. CMPDI has completed its job and the integrated report is under finalization by Imperial College of Mining, UK.

Projects on Shale Gas

1.6.7.4 CIL R&D project titled “Assessment of prospect of Shale Gas in Gondwana basin with special reference to CIL areas”.

CIL R&D project titled “Assessment of prospects of shale gas in Gondwana basin with special reference to CIL areas” (Project code- CIL/R&D/1/46/11) has been completed. Total Organic Carbon Analyzer: ToC Analyze - Model Multi N/C 2100BU, Make Analytik Jena (France), and Rock Eval Analyser -

Rock Eval: RE-VI, Model Turbo, Make Vinci Technologies (France) are commissioned at CBM Lab. Sub-implementing agency ARI (USA) has made simulation and assessment of Shale gas potentiality in study areas of Jharia and East Bokaro Cfs. The assessment report was presented in the CIL R&D Apex Committee Meeting held on 24th December, 2014 and was highly appreciated. Project completed as per completion schedule in December, 2014.

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

A S&T project on “Shale gas potentiality of Damodar basin of India (Project code-CE (Eol/30)” with the project cost of Rs.1686.84 Lakhs has been approved under S&T plan of Ministry of Coal (MoC) vide letter no. 34012/3/2012-CRC-1, dated 30th Oct, 2012 and 12th Dec 2012. The SSRC has approved the additional S&T Grant of Rs. 351.25 Lakh vide CMPDI/S&T/022 & CE (Eol) – 30/499-504 dated 20th March, 2015. The total approved project cost is now of Rs. 2038.09 Lakh. Presently the project completion schedule is November, 2015. NGRI, Hyderabad is the principal implementing agency of the project and CMPDI, Ranchi & CIMFR, Dhanbad are sub implementing agencies. The project is under implementation with the objective to evaluate Damodar basin for their shale gas potentiality through integrated geophysical, geological, geo-chemical and petro-physical investigations. Supply order to procure “Automatic Porosimeter cum Permeameter” instrument has been issued by CMPDI to M/s Vinci Technologies Inc., France on 25th Feb, 2015. NGRI to take-up the 3D seismic survey expeditiously based on which CMPDI will take up its part of committed activities i.e; drilling of boreholes.

2.0 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 2014-2015 for building additional coal production capacity to the tune of 116 Mty. Revision of Project Reports/Cost Estimates for projects was also taken up along with new PRs. Thrust was laid on preparation of reports of identified projects of XII Plan Project Reports. ‘Estimation of Upfront payment, Reserve Price, Ceiling Price, Additional Reserve Price and preparation of Mine Dossiers’ for auction of 110 nos. of coal blocks identified by Ministry of Coal for Auction through competitive bidding were also undertaken on priority basis.

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

- Master Plan of Coalfields
- Preparation of Feasibility Reports, preparation & evaluation of RFQ (Request for Qualification) and RFP (Request for Proposal) documents and customisation of bid document for coal washeries
- Operational plans for large OC mines
- Environment Management Plan (EMP)
- Mining Plans and Mine Closure Plans of OC and UG mines
- Mine capacity assessment of underground & opencast 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 Global Bid Documents for underground mines of CIL.
- Preparation of Conceptual Reports for setting up of FBC based thermal power plants.

- Detailed design and drawings, NIT, tender scrutiny, etc.

During the year 2014-2015, 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), Benchmarking of Diesel & Electrical Consumption and Fixation of Diesel & Electrical Consumption Norms of Opencast and Underground 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 and Cleat Study on coal samples, Coal Core Processing & Analysis, Washability tests, OBR Survey, Man Riding System, Soil Erosion Study, Slope Stability Study, Effluent/ Sewerage Treatment Plants, etc.

During the year 2014-2015, a total of 269 reports have been prepared for CIL and its subsidiary companies.

The break-up of reports prepared has been given below:

REPORTS	Nos.
Geological Reports	16
Project Reports	30
Other Studies	174*
Draft EMPs (including 16 Form-I)	49
TOTAL	269

* This includes preparation of Master Plans for Wardha Valley Coalfield & Singrauli Coalfield and preparation of 3 Operational Plans of large opencast mines.

Detail of reports prepared during the period 2014-2015 is furnished in Annexure-I.

ANNEXURE-I

LIST OF COMPLETED REPORTS DURING 2014-15

HQ/ Regional Institute/		Name of the Reports
Geological Reports		
RI-I	1.	Nandi Sector
	2.	Bansra West
	3.	Madhabpur
RI-III	1.	Pundi South
	2.	Ramgarh Block I
RI-IV	1.	Bhansuli
	2.	Gauri Central
RI-V	1.	Tulsi Block C (Majira)
RI-VII	1.	Subhadra West
	2.	Dip Side of Samleshwari
	3.	Prajapara
	4.	Prajapara Dip Extn.

HQ/ Regional Institute/		Name of the Reports
HQ(Contractual)	1.	Morga South (Non-CIL)
	2.	Barjora South
	3.	Sayang East A (Non-CIL)
	4.	Chira NE A (Non-CIL)
Project Reports		
RI-I	1.	Madanpur Block UG
	2.	RPR for Jhanjra PH-II (LW)
	3.	Chitra Expn. OC
	4.	Siduli UG Recast
RI-II	1.	Kalyaneshwari OC
	2.	Block VII OC
RI-III	1.	Gobindpur Ph-II Expn. OC

HQ/ Regional Institute/		Name of the Reports
	2.	North Urimari Expn. OC
	3.	Godo OC
	4.	Konar Expn. OC
	5.	Magadh Expn. OC
	6.	Bhairvi (Ramgarh Block III) OC
RI-IV	1.	Dinesh (Makardhokra-III) OC (Revised)
	2.	Penganga OC (Revised)
	3.	Tawa-III UG Recast
	4.	Jamunia UG Recast
	5.	Silori OC
	6.	Adasa UG to OC
	7.	Shaktigarh UG
RI-V	1.	Kanchan Expn. OC
	2.	Vijay West OC
	3.	Batura UG Highwall
	4.	Shivani UG Expn.
	5.	Ketki UG RPR
RI-VI	1.	Jayant Expn (Recast)
RI-VII	1.	Integrated Lakhanpur-Belpahar-Lilari OCP
	2.	Gopalji-Kaniha Expn. OC
HQ	1.	Mahamaya OCP, SECL
	2.	Dongrital UG, NCL
	3.	Natraj RPR UG, MCL
Operational Plans		
RI-II	1.	Block-II OCP
RI-III	1.	Kathara OCP (Quarry-1)
RI-VII	1.	Bharatpur OCP
Other Reports		
RI-I	1.	Controlled blasting and vibration study at 10 nos. quarry of Chapapur Colliery
	2.	Feasibility report on coal preparation without use of explosives in kalidaspur Project
	3.	Conceptual Report of Dalurband OC Patch
	4.	Controlled blasting and vibration study at Bahula OCP
	5.	Controlled blasting and vibration study at Rajmahal OCP
	6.	Energy audit report of Khas Kajora Colliery

HQ/ Regional Institute/		Name of the Reports
	7.	Feasibility study for annexing Chora Block under Kenda Area of Sonepur OCP
	8.	Techno economic study of Ch. Dhemo OC patch
	9.	GR for PR of Belbaid
	10.	GR for PR of Mohanpur
	11.	Controlled blasting and vibration study at CL Jambad OCP
	12.	Scheme for modification of Rajmahal CHP
	13.	UCE for Kenda OC
	14.	UCE for low height continuous miner at Jhanjra UG
	15.	GR for PR of Kyada Chaudhar Gariapani
	16.	UCE of PR for Tilaboni UG
	17.	Scheme on Coal Handling Plant with Rapid Loading System at Sonepur-Bazari OCP
	18.	Vibration study at Belbaid OCP
	19.	GR for PR of Jambad-Parasia-Pracole
	20.	Energy audit report of Bankola Colliery
RI-II	1.	Preparation of Feasibility Report for CBM of Moonidih Project
	2.	Foreclosure Report for revised scheme for augmentation of production at Bararee Colliery (X and XI Seam)
	3.	Revised GR for Block VIII OCP
	4.	Mine Closure Plan for Katras Chotudih Colliery (Re-opening)
	5.	Completion Report for Goluckdih (NC) OCP
	6.	Preparation of Global Bid Documents of Kharkharee Mine
	7.	Foreclosure Report of Bagdigi Augmentation RPR
RI-III	1.	UCE of Ara OCP
	2.	UCE of Govindpur Ph-II OCP
	3.	UCE of Ashoka OCP
	4.	Feasibility Report & Mining Plan of Rajhara OCP
	5.	Mining Plan of KDH Extn. OCP

HQ/ Regional Institute/		Name of the Reports
	6.	NPV calculation of Schedule II & III Mines
	7.	Mining Plan of Rajhara OCP
	8.	Report on intrinsic value of six coal blocks
RI-IV	1.	Scheme for Damua OC, Kanhan Area
	2.	UCE of Pauni-II OC
	3.	Mining Plan of Kamptee UG to OC, Inder UG to OC, Gondagaon OC & kamptee Deep OC
	4.	Mining Plan of Pauni OC and Gouri I & II (A) OC
	5.	Scheme of Niljai South OC
	6.	Schemes of Damua and Durgapur (sector V)
	7.	GR for PR of Bhandak West
	8.	GR for PR of Jamunia
	9.	GR for PR of Bander
	10.	UCE of Kamptee Deep OC
	11.	Scheme for rehandling of OB at Sasti OC
	12.	UCE of New Majri Sect- IA & IIA Extn. OC, New Majri UG to OC, Dhuptala (Sasti UG to OC) and Chincholi OC
	13.	Energy Audit Report (Diesel) with benchmarking for Pimpalgaon OC
	14.	Global Bid for Tawa-II UG mine as per standard CIL Global Bid Document
	15.	UCE of Padmapur Deep OC
	16.	Scheme of Pimpalgaon OC
	17.	Master Plan for Wardha valley Coalfield
	18.	UCE of Dhau North UG
	19.	Energy Audit Report (Electrical) with benchmarking for Chhatapur UG
RI-V	1.	Scientific study for stowing in Rajnagar RO UG mine
	2.	Report on Pumping Reorganisation of Shivani UG
	3.	Controlled blasting and vibration study at Mahan OCP
	4.	RCE of Mahan II OC
	5.	UCE of Pelma OC (15 Mty)
	6.	UCE of Madan Nagar OC (12 Mty)
	7.	Controlled blasting study at Mahan-II OCM

HQ/ Regional Institute/		Name of the Reports
	8.	UCE of Durgapur OC (6 Mty)
	9.	Controlled blasting study at Manikpur OCP
	10.	Manriding scheme for Katkona 1 & 2 Mine
	11.	Controlled blasting study at Chirimiri OCM
	12.	Study of vibration at surface due to underground blasting at Singhali UG Mine
	13.	UCE for Malachua and Rajnagar OCPs
	14.	Feasibility study for highwall miner in Batura West Extn. OC
	15.	UCE of Amritdhara, Amadand and Batura West Extn. OC
	16.	Study of vibration at surface due to underground blasting at Nawapara UG mine
	17.	Study of vibration at surface due to underground blasting at Kalyani UG mine
	18.	Revised GR for Dipka OC, Hardi, Gevra OC, Ponri, Naraibodh-I&II (Combined)
	19.	RCE OF Amera OC
	20.	Controlled blasting study for dragline blasting at Chirimiri OCP
	21.	RCE of Amgaon OC
	22.	Scheme/TEFR for West Jhiria OC
	23.	Manriding scheme for Katkona 3 & 4 Mine
	24.	RPR of Central Workshop, Korba
	25.	Controlled blasting study at Baroud OCP
RI-VI	1.	Master Plan for Singrauli Coalfields
	2.	Recast PR of Jayant OCP
	3.	Scheme for installation of additional capacity in existing CHPs of NCL
	4.	Diesel auditing and benchmarking of Amlohri OCP
	5.	Diesel auditing and benchmarking of Krishnashila OCP
RI-VII	1.	UCE of Garjanbahal OCP
	2.	Mining Plan of Garjanbahal OCP
	3.	UCE for PR of Integrated Lakhanpur-Belpahar-Lilari OCP

HQ/ Regional Institute/		Name of the Reports
	4.	Report on re-organisation of proposed external dump of Lingraj OCP
	5.	Conceptual note on Arkhapal-A Block
	6.	Infrastructure Master Plan of BG Area
	7.	Mining Plan of Kulda Expn. OC
	8.	Mining Plan of Gopalji-Kaniha Expn. OCP
	9.	Mine Closure Plans for Orient UG Mine No.1 & 2 and Mine No.3
HQ	1.	Report on RMR studies of Kunustoria Colliery (R-V Seam) and Khottadih Colliery (R-II/III, R-IV (Top), R-V and R-VI Seams), ECL
	2.	Slope stability study of Lajkura OCP, MCL
	3.	Preparation of Conceptual Report with testing of ROM coal at Konar washery
	4.	Land use / cover mapping of buffer zone of Hingula Washery, MCL
	5.	Land use / cover mapping of buffer zone of New Sethia OCP, WCL
	6.	Controlled blasting and vibration study at Ashoka OCP, CCL
	7.	Technical feasibility study of reinstalling of electrical winder of Rajur mine to Silwara mine, WCL
	8.	Report on RMR studies of Dhori (K) Colliery, Incline No.4, 5, 6, 7 & 8, Karo Special (Seam III) of CCL and Talcher Colliery (Seam No.1) of MCL
	9.	Recast PR of Hura 'C' OCP, ECL
	10.	Ventilation Survey of Jhanjra mine of ECL
	11.	Subsidence prediction report of Dhau North Block, WCL
	12.	Land use / land cover mapping of buffer zone of Tapin South OCP, CCL
	13.	Slope stability study of Bina-Kakri OCP, NCL
	14.	Slope stability study of Lingraj OCP, MCL
	15.	Gas Survey of Narsamunda Colliery, ECL

HQ/ Regional Institute/		Name of the Reports
	16.	Ventilation Survey of Jarangdih Colliery of CCL
	17.	Controlled blasting at Konar OCP, CCL
	18.	Slope stability study of Samleswari OCP, MCL
	19.	Controlled blasting and vibration study at Tirap OCP, NEC
	20.	Land use / land cover mapping of buffer zone of Pundi OCP, CCL
	21.	Land use / land cover mapping of buffer zone of Visapuri OCP, WCL
	22.	Recast PR of Tirap OCP, NEC
	23.	Report on RMR studies of Urimari UG Mine (3&4 Incline) (Bansgarha Seam III) of CCL
	24.	Land use / land cover mapping of buffer zone of Tapin Peak and Jharkhand Peak OCP, CCL
	25.	Land use / land cover mapping of buffer zone of Jarangdih sand mine project, CCL
	26.	Vegetation cover mapping of Umrer Coalfield
	27.	Controlled blasting and vibration study at Kuju OCP, CCL
	28.	Scheme for Shankarpur OC Patch (Ph-IV)
	29.	Slope stability study of Bhubaneswari OCP, MCL
	30.	Gas Survey of Seam-I of Sarubera Colliery, CCL
	31.	Report on RMR studies of Lower Kenda Colliery (Dobrana R-V Seam), Chora 7&9 Pits (Chora R-VI Seam), Chora Block Incline (Bonbahal Top R-VII Seam) and Kalipahari (R) Colliery (Kushadanga Seam), ECL
	32.	Land use / land cover mapping of buffer zone of Hindustan Lalpeth and Parsoda OCP, WCL
	33.	Land use / land cover mapping of buffer zone of Swang and Govindpur San Mine Project, CCL
	34.	Vegetation cover mapping of Rajmahal Coalfield, ECL

HQ/ Regional Institute/		Name of the Reports
	35.	Controlled blasting and vibration study at Rajrappa OCP, CCL
	36.	Electrical Energy Audit and benchmarking of Akashkinari Colliery, BCCL
	37.	Mine capacity assessment of UG mines of CIL for the year 2014-15
	38.	Land use / land cover mapping of buffer zone of Parej OCP, CCL
	39.	Land use / land cover mapping of buffer zone of Damodar River Bed, ECL
	40.	Vegetation cover mapping of Pench-Kanhan-Tawa Coalfield, WCL
	41.	Assessment of capacity and capacity utilisation of all opencast mines of CIL during 2013-14
	42.	Preparation of Conceptual Report for Jagannath washery, MCL
	43.	Slope stability study of Jagannath OCP, MCL
	44.	Land use / land cover mapping of buffer zone of Ajay River Bed, ECL
	45.	Land use / land cover mapping of buffer zone of Madanpur UG, ECL
	46.	Performance of HEMM of opencast mines of CIL during 2013-14
	47.	Electrical Energy Audit and benchmarking of Rajrappa OCP, CCL
	48.	Final Scheme for ETP of Amlai OCP, SECL
	49.	Conceptual Report on FBC based TPP for Ramgarh, CCL
	50.	Preparation of scheme for man-riding system at Dhemomain Incline, Narsamunda Colliery, J K Nagar Colliery and Nimcha Colliery of ECL
	51.	Feasibility Report for Bina Kakri Dethaling Plant, NCL
	52.	Annual benchmarking of 3 OCPs identified by SECL
	53.	Annual benchmarking of 9 OCPs identified by ECL
	54.	Annual benchmarking of 12 OCPs identified by MCL
	55.	Annual benchmarking of 14 OCPs identified by BCCL

HQ/ Regional Institute/		Name of the Reports
	56.	Annual benchmarking of 8 OCPs identified by NCL
	57.	Annual benchmarking of 14 OCPs identified by CCL
	58.	Conceptual Report on FBC based TPP for Ramgarh, CCL
	59.	Report on specific consumption of diesel, electric power and explosives of all opencast mines of CIL during 2013-14
	60.	Vegetation cover mapping of Mand Raigarh and Sohagpur Coalfield
	61.	Slope stability study of Bhanegaon OCP, MCL
	62.	Slope stability study of Gevra OCP, MCL
	64.	Controlled blasting at Balkudra OCP, CCL
	65.	UCE of Jagun OCP, NEC
	66.	Assessment of capacity of opencast mines of CIL - Projections as on 1.4.2015
	67.	Fire Mapping of Jharia, Raniganj, West Bokaro, East Bokaro and Karanpura Coalfields based on Thermal Infra Red (TIR) band of Landsat-8/OLI Satellite data
	68.	Vegetation cover mapping of Ib-Valley coalfield, SECL
	69.	Detailed Diesel Auditing and benchmarking of Sawang OCP, CCL
	70.	Electrical Energy Audit and benchmarking of Piparwar OCP, CCL
	71.	Electrical Energy Audit and benchmarking of Amlohri OCP, NCL
	72.	Electrical Energy Audit and benchmarking of Khadia OCP, NCL
	73.	Controlled blasting at Piparwar OCP, CCL
	74.	Soil Erosion of Tapin North OC & Birsa OC, CCL
	75.	Top Soil Management of Rohini OCP, CCL
	76.	Report on nalla diversion of Amrapali OCP, OCP
	77.	Scheme for ETP of Sonapur Bazari OCP, ECL

HQ/ Regional Institute/		Name of the Reports
	78.	Annual benchmarking of 17 OCPs identified by WCL
	79.	Detailed Diesel Auditing and benchmarking of SDQ-3 OCP
Environment Management Plan		
Form-I		
RI-I	1.	Chitra OCP and integrated Washery
	2.	Bakulia UG
RI-II	1.	Patherdih Coal Washery
	2.	Sudamdih Sand Ghat
	3.	CBM Project at Moonidih
RI-III	1.	Rajhara OCP
	2.	Jeewandhara OCP
	3.	Pichri OCP
RI-IV	1.	Junad Extn Deep OC
	2.	Juna Kunada Expn. OC
	3.	Makardhokra-I OC
RI-VII	1.	Siarmal OCP
	2.	Garjanbahal OCP (Revised)
	3.	Basundhara West Extn.
HQ	1.	Jagannath OCP, MCL
	2.	Jagannath Washery, MCL
Draft EMP		
RI-I	1.	Form-I & Addendum EMP of Mohanpur OCP
	2.	Form-I & Addendum EMP of Sonapur Bazari OCP
	3.	Sand mining in Damodar River Bed
	4.	Sand mining in Ajoy River Bed
	5.	Form-I & Addendum EMP of Cluster-2 Mines
RI-II	1.	Draft EMP of Cluster-IV (Revised)
	2.	Patherdih Coal Washery (2.5 Mty)
RI-III	1.	Form-I & Addendum EMP of Tapin OCP
	2.	Form-I & Addendum EMP of Jharkhand OCP
	3.	Jarangdih Sand Mining Project
	4.	Tapin South Expn. OCP
	5.	Argada OCP
	6.	Govindpur Sand Mining Project
	7.	Sawang Sand Mining Project
RI-IV	1.	New Sethia OC Expn.

HQ/ Regional Institute/		Name of the Reports
	2.	Visapur OC
	3.	Junad Deep Ext. OC
	4.	Hindusthan Lalpeth Expn. OC
RI-V	1.	Form-I & Addendum EMP of Mahan-II OCP
	2.	Kusmunda OC
	3.	Form-I & Addendum EMP of Amadand OCP
	4.	Amera OC
RI-VI	1.	Form-I & Addendum EMP of Amlohri Expn. OCP
	2.	Form-I & Addendum EMP of Khadia Expn. OCP
RI-VII	1.	Form-I & Addendum EMP of Belpahar OCP Expn.
	2.	Form-I & Addendum EMP of Lajkura OC Expn.
	3.	Form-I & Addendum EMP of Samaleswari OC Expansion
	4.	Form-I & Addendum EMP of Kaniah OC Expansion
	5.	Balram OC Expn.
HQ	1.	Form-I & Addendum EMP of Amlo OCP, CCL
	2.	Form-I & Addendum EMP of Parej (E) OCP, CCL
	3.	Hingula Washery, MCL
	4.	Basundhara Washery, MCL

2.1 COAL & MINERAL PREPARATION

Coal & Mineral Preparation Division offers technology services for Coal washeries, Mineral beneficiation Plant and Modification / Modernization of existing plants. These services encompass exhaustive Laboratory studies, Techno Economics Feasibility Report, Conceptual Report, Project Planning, Construction management and wide range of R&D activities. The division is equipped with ISO certified modern laboratory with latest and sophisticated equipments for carrying out laboratory scale studies.

Coal & Mineral Preparation Division has already handled many prestigious assignments in the field of Beneficiation

of coal and other minerals against stiff competition in open market which includes

- i. World Bank aided project “Report on Techno-economic study of coal washeries for Cement Industry” and
- ii. ADB funded project “Implementation of clean coal technology through coal beneficiation in India.”

Some of the esteemed customers on CMP division’s roster are MPEB, MECL, Neyveli Lignite, PSEB, BHEL, NTPC, TISCO, ICMPL, UNDP, MOIL, SCCL and many more.

The following major works have been completed during the year 2014-15.

A. REPORTS/STUDIES.

1. Preparation of Report on washery for Mine PR of
 1. Sawang (Govindpur & Pipradih) (4.0 Mty), CCL
 2. Kalyaneswari (3.6 Mty), BCCL
 3. Basundhara west (7.0 Mty), MCL
 4. Block VII (3.0 Mty), BCCL
 5. Integrated Lakhanpur-Belpahar-Lilari OCP (20.0 Mty), MCL
 6. Konar OCP (3.5 Mty), CCL
 7. Magadh OCP (25.0 Mty), CCL
 8. Ramgarh Block III (7.0 Mty), CCL

B. Preparation of Tender Document (on e-tendering mode)

1. Jagannath washery (10.0 Mty), MCL
2. Lakhanpur washery (10.0 Mty), MCL

C. Preparation of Conceptual Reports

1. Jagannath washery (10.0 Mty), MCL
2. Lakhanpur washery (10.0 Mty), MCL
3. Konar washery (7.0 Mty), CCL

D. Preparation of Feasibility Reports

1. Bina Kakri Deshaling plant (5.5 Mty), NCL

2. Feasibility Report for the Development of Technology to Produce Clean Coal from High ash & high sulphur Indian coal.

E. Tender Scrutiny

1. Evaluation of RFP part of Bid Document for
 - a) Bhojudih washery (2.0 Mty), BCCL
 - b) Patherdih - II washery (2.5 Mty), BCCL
2. Evaluation of RFQ & RFP (both) part of Bid Document for
 - a) Dugda washery (2.5 Mty), BCCL

F. Contract Document

1. Preparation of Draft Contract Document for
 - a) Hingula washery (10.0 Mty), MCL
 - b) Basundhara washery (10.0 Mty), MCL

G. APPROVAL OF CONSTRUCTION DRAWINGS

1. Madhuband washery (5.0 Mty), BCCL

Total no. of drawings approved: 260

2. Dahibari washery (1.6 Mty), BCCL

Total no. of drawings approved: 225

H. DESIGN IMPROVEMENT

Technical vetting of proposals of BOM Operator regarding Design improvement of Madhuband washery (5.0 Mty), BCCL

I. R&D and S&T Projects

Implementation of “*Dry Beneficiation of Coal using Radiometric Technique (Ardee-Sort)*” under CIL R&D scheme at Madhuband washery, BCCL is at advanced stage and likely to be commissioned shortly.

2.2 PROJECT APPRAISAL

1. Scrutiny and appraisal of 23 nos. of draft PRs/RPRs/EPRs prepared by Regional Institutes and HQ Departments of CMPDI during the year 2014-15, and coordination

for their presentation at CMPDI (HQ) for guidance to the concerned Regional Institute and HQ Department before finalization of the reports.

2. Scrutiny and appraisal of 13 nos of conceptual notes prepared by Regional Institutes, 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. Updation of status of implementation of ongoing projects costing more than Rs. 500 crores, especially with respect to actions under CMPDI's responsibility, for the Secretary (Coal)'s Quarterly Review Meetings.

Updation of status of formulation of PRs for XII Plan identified coal mining projects of CIL at the time of Secretary (Coal)'s Quarterly Review Meetings, VIP visits, and RDs' Coordination Meetings.

3.0 UNDERGROUND MINING AND OPENCAST MINING

The following jobs were completed and are in progress during the year 2014-15

3.1 UNDERGROUND MINING

A. OUTSIDE CONSULTANCY JOBS (COMPLETED)

1. Subsidence study and detailed information on heat, humidity, degree of gassiness & measures taken to improve safety and working condition of Begunia Mines of SAIL.
2. Detailed design of vertical shaft, winding installation & vetting of TEFR for vertical shaft at Ukwa mine, MOIL.

OUTSIDE CONSULTANCY JOBS (IN PROGRESS)

1. Preliminary design, Tender Document & TEFR for Gumgaon Mine, MOIL.

2. Consultancy services for preparation of Mine Plan & EPR for Gumgaon mine, MOIL.
3. Preparation of DPR & Mining Plan for Indikatta-Ramnagore block, ISP, SAIL.
4. Cost updation of Begunia Underground Project, ISP, SAIL.

B. CIL JOBS (COMPLETED)

1. Technical feasibility study of re-installing of electrical winder of Rajur mine to Silewara, WCL
2. Ventilation survey of Jhanjra mine of ECL
3. Ventilation survey of Jarangdih colliery, CCL
4. Gas survey of Narsamunda colliery, Sodhpur Area, ECL
5. Gas survey of seam no. I of Sarubera colliery, Kujua Area, CCL
6. Mine Capacity Assessment for the year 2014-15
7. Preparation of schemes for Man-riding system at
 - a. Dhemomain incline
 - b. Kottadih colliery
 - c. Nimcha colliery of ECL
1. Preparation of scheme for installation of man-riding system at seam-I incline, New Akashkinaree colliery, Govindpur Area, BCCL
2. Modification of incline underground support of Kottadih New incline
3. Project Report for Dongrital Underground mine, NCL
4. Revised Project Report for Natraj Underground mine, MCL
5. Preparation of Standard Price List for Mining Equipment

CIL JOBS (IN PROGRESS)

1. Stability analysis of headgear structures of Pandaveswar Area, ECL
2. Request for Bids (RFB) documents for selection of Mine Operator (MO) for development and operation of opencast mines of CIL
3. Project Report for Asnapani (East side) Underground mine, CCL
4. Preparation of mine dossier & calculation of Net Present Value (NPV) as per the direction of Ministry of Coal
5. Design of water dam for Bigra (R-VI) seam of J. K. Nagar colliery of Satgram Area, ECL
6. Scientific Studies using numerical modelling technique to ascertain the safety aspect of western quarry of Manikpur OC of Korba Area
7. Preparation of NIT & tender document for Man-riding system at Moonidih project, BCCL

3.2 OPENCAST MINING

1. Major Outside Consultancy Services Completed:

1. Mining Plan of Devangudi Lignite Mine Project.
2. Updated Project Cost Estimate for Pakri Barwadih Coal Mining Project of NTPC.
3. Review of performance of major HEMM of NMDC.

2. Major Internal Consultancy Services for CIL Completed:

- i. Recast of PR of Hura 'C' OCP (3 MTY), ECL.
- ii. PR for Mahamaya OCP, (1.5 MTY), SECL.
- iii. Mining Plan for Jagannath OCP (6 MTY), MCL.

- iv. Technical Review Note on FR of Ledo OCP, NEC.
- v. UCE of Jagun OCP, NEC.
- vi. Recast of FR of Samleshwari OCP (20 MTY), MCL.
- vii. Assessment of capacity utilization of all opencast mines of CIL for 2013-14.
- viii. Performance of HEMM of OC mines of CIL during 2013-14.
- ix. Assessment of capacity of all OC mines of CIL projected as on 1/4/2015.
- x. Specific consumption of diesel, electric power and explosives of all OC mines of CIL for the year 2013-14.
- xi. Allotment of Plant Number for HEMM procured by CIL.

3. Review of Mining Plan and other jobs of MoC:

- i. Pre-Feasibility Report for Assessment of NPV for Brahmanbil block of Talcher Coalfield for MoC.
- ii. Pre Feasibility Report for Assessment of NPV for Kardabahal block of Talcher Coalfield for MoC.
- iii. Quick comments on Mining Plans referred by MoC (Total - 9 Nos.).
- iv. Modification of Mining Plan for Mangrol Valia Lignite Mine of M/s. GIPCL.
- v. Assessment of intrinsic value of coal blocks (101 Nos.) for e-auction of Coal Blocks.

4. Technical Scrutiny of OC Project Reports prepared by the different Regional Institutes :

- i. PR of Gevra OC Expansion (35 – 70 MTY), SECL.
- ii. PR of Adasa UG to OC Mine (1.5 MTY), WCL.

- iii. Master Plan for Wardha Valley Coalfields, WCL.
- iv. Silori OC mine (2 MTY), WCL.
- v. Conceptual Report for Mining of Chandrapura Block (1.5 MTY), BCCL.
- vi. Magadh OCP Expansion (20 – 40 MTY), CCL.
- vii. PR of Ramgarh Block-III OC (7 MTY), CCL.
- viii. Conceptual Note for Chirimiri OCP (2 MTY), SECL.
- ix. PR of Konar OCP, CCL.

4.0 ENGINEERING SERVICES

4.1 CIVIL ENGINEERING

PROJECT PLANNING JOBS

1. PR preparation of

- a. Mahamaya Reorganization OCP, Birsampur Coalfields, SECL.
- b. Recast PR for Hurra OCP(3 Mtpa), ECL.
- c. Expansion of existing Smaleshwari OCP (20 MTY), MCL.

4.2 Technical vetting of PR for

- a. Appraisal of draft project report of North Urimari extension (7 MTY) of CCL.
- b. Project appraisal for DPR OG Chitra extension OCP (4 MTY) of ECL.
- c. PR for Madanpur UG Project, ECL
- d. Voice & data communication chapter for DPR of Kanchan OCP (2.0 MTY), SECL
- e. RPR for Shivani UG Expansion, SECL
- f. Voice & data communication chapter for DPR of Ketki UGP (0.79 MTY), SECL
- g. Preparation of chapter and appendix of EDP & Tele Communication for

preparation of expansion project report of Govindpur phase – III OCP (3 MTY), CCL.

- h. Combined PR of Kaniha Gopaljee OCP (30 Mty)(Standard Price List of Mining Equipment - 2013), MCL
- i. PAD for Swang-Pipradih OCP (2 MTY) of CCL
- j. Preparation of chapter on Washery for Block-VII OCP, BCCL.

DETAILED DESIGN JOBS

- a. Preparation of Architectural and structural drawings for Standard Quarters for MCL and Town planning for Basundara Garjanbahal and Hingula Area of MCL.
- b. Planning, Design / Drawing, estimating and construction of CGM Office at Amlohri project, NCL.
- c. Planning, Design / Drawing, estimating and construction of Kalyan Mandap at Amlohri project, NCL.
- d. Preparation of Architectural and structural drawings for proposed Stadium & Shopping Complex of Basundara Garjanbahal and Hingula Area of MCL.
- e. Planning, Design / Drawing, estimating and construction of Office Building for CMPDI, RI-V, Bilaspur.
- f. Planning, Design / Drawing, estimating and construction of Office Building for CMPDI, RI-VI, Singrauli.
- g. Preparation of scheme for townships under Master Plan in WJ Area.
- h. Preparation of Architectural and structural drawings for 4020 units of miners quarters at different areas of BCCL.

TENDER EVALUATION:

- a. Drawing Scrutiny and Supervision

of Khadia CHP, Phase-II (6 Mtpa incremental).

- b. Design, Drawing and Scrutiny of Nigahi CHP PH-III & suspension.

PREPARATION OF TENDER DOCEUMENT:

- a. Jayant Incremental CHP(10 MTY), NCL.
- b. Bina-Kakri Amalgamation CHP(5.5 MTY), NCL.

PREPARATION OF SCHEME/REPORT

- a. Project proposal for R&D project on Constructing Structures on Backfilled Open Cast Coal Mines: An attempt to suggest viable methodologies
- b. NDT of CHP structure and coal bunkers of Burhar siding CHP, Sohagpur Area, SECL
- c. Structural Adequacy study of SECL CHP'S.
- d. Inspection report on existing Swang Washery, CCL.
- e. Brief Report on Inspection repair & renovation of Assembly Hall of IICM, Ranchi.

DESIGN / DRAWING SCRUTINY

- a. Tendering, award of construction and Scrutiny of design and drawing of Krishnashila Main CHP (4 Mtpa), NCL.
- b. Tendering and Award of work, Scrutiny and approval of Design & drawing and monitoring of construction for Block-B CHP (3.5 Mtpa), NCL.
- c. Checking and approval of drawings and other documents related to construction of CHP at Sarpi Project, SS Pur Colliery, Bankola Area of ECL.
- d. Preparation of tender document, estimate, e-tendering, drawing & design scrutiny etc for Incremental CHP, 10 MTY of Jayant OCP, NCL.

Site Pictures of Krishnashila Main CHP (4 Mtpa) & Block B CHP, NCL



4.2 ELECTRICAL AND MECHANICAL ENGINEERING SERVICES

4.2.1 Mine Planning (Infrastructure)

(i) CIL Projects

- Mahamaya OCP, SECL
- Samleswari OCP (Expansion), MCL

4.2.2 Coal Handling Plant

- Jayant incremental CHP(10.0 Mtpa), NCL : Tender document prepared and submitted to NCL for approval.
- Bina – Kakri amalgamation CHP (5.5 Mtpa), NCL: Tender document prepared and submitted to NCL for approval.
- Nigahi Phase III CHP (5.0 Mtpa), NCL: Scrutiny/approval of Design & Drawings submitted by Turnkey contractor M/s L&T and project monitoring for construction is going on.

- Khadia Phase II CHP (6.0 Mtpa), NCL: Scrutiny/approval of Design & Drawings submitted by Turnkey contractor M/s L&T and project monitoring for construction is going on.
- Krishnashila CHP (4.0 Mtpa), NCL: Scrutiny/approval of Design & Drawings submitted by Turnkey contractor M/s HEC and project monitoring for construction is going on.
- Block B main CHP(3.5 Mtpa), NCL: Scrutiny/approval of Design & Drawings submitted by Turnkey contractor M/s L&T and project monitoring for construction is going on.
- Gevra input conveying, SECL: Scrutiny/approval of mechanical Design & Drawings submitted by Turnkey contractor M/s MBE.

4.2.3 Workshop & Store

- i) Khadia OCP
- ii) Kusmunda OCP

4.2.4 FBC based Power Plant

- Conceptual Report for FBC based power plant at :
 - a. 5X250 MW FBC based TPP at Magadh OCP, CCL
 - b. 2X125 MW FBC Based TPP at Ramgarh OCP, CCL

4.2.5 Energy Audit and Benchmarking

- Reports on annual benchmarking of diesel consumption of 75 identified OCPs of CIL.
- Detailed Diesel Audit & Benchmarking
 - a. Umrer OCP, WCL
 - b. Amlo OCP, CCL
 - c. Swang OCP, CCL
- Report on Electrical Energy Audit and Benchmarking of

- a. AkashKinari colliery, BCCL
- b. Lakhanpur OCP, MCL
- c. Piperwar OCP, CCL
- d. Ashoka OCP, CCL
- e. Rajrappa OCP, CCL
- f. KDH OCP, CCL
- g. Khadia OCP, NCL
- h. Amlohri OCP, NCL

4.2.6 Power Supply and Distribution & Control Systems

- Tender document for 1X1.5 MVA, 33/11 KV MCL HQ Substation. "Reliable power supply arrangement for corporate office of MCL & its associated township" at Sambhalpur.
- Tender document for 2X5 MVA, 33/6.6 KV Block B opencast Project Substation.
- Tender document for augmentation of Jhanjhara main sub-station of Jhanjhara area, ECL.

4.2.7 Inspection Services

CMPDI Continued Third Party Inspection services for Pre-dispatch of equipment and materials purchased by various subsidiaries of CIL. Total revenue earned from these services was around 4 crores in 2014-15.

4.2.8 Other Report/Job

- Installation of 190 Kwp solar power plant at rooftop of CMPDI, HQ office building.
- Formulation of Diesel price Escalation Formulae in association with IIT Kharagpur.
- Preparation of cost estimate of E&M part for 60 nos. (approx.) of coal block auctioned by Dept. of coal.

4.3 TOWN ENGINEERING SERVICES

The Town Engineering Department works under the superintendence and guidance of the Director (T/ES) and is headed by the GM(TE&CM) and assisted by Civil Engineers, Electrical/Electronics Engineers and HR (Personnel) to look after the maintenance, construction and estate related works.

The main dues of the Town Engineering Department includes:

- a. 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.
- b. Maintenance of all electrical, electronic and mechanical equipments pertaining to the office and maintaining the inventory of the same.

- c. Maintenance of all office furniture.
- d. Water supply management by taking-up necessary steps.
- e. Power management by taking-up necessary steps to conserve and save electricity.
- f. To ensure receipt, checking and submission of proposals for payment of electricity bills, telephone bills, water bills and other statutory payments etc.
- g. Liaison works with local statutory bodies like Municipal Corporation.
- h. Operation of waste paper recycling plant.

Following are the list of completed and running works under Capital works, running repair works, special repair works and CSR works in 2014-15 in TE & CM Division of CMPDI (HQ):

Sl.No.	Name of works	Work Value (Rs. In lakh)
COMPLETED WORKS		
1	Annual maintenance contract for Garden including maintenance of seasonal plants (Indoor & Outdoor) at CMPDI(HQ), Ranchi.	30.35
2	Construction of three rooms, toilet for boys and girls, repair works for windows, doors and distempering and painting of existing building at Birsa School, Hathia gonad and construction of concrete road at Patragonda village under CSR scheme of CMPDI.	48.54
3	Upkeep work of CMPDI(HQ) complex, Ranchi.	72.94
4	Maintenance Contract for Civil Engineering Works for CMPDI(HQ) and NTS, Barkakana for one year.	116.43
6	Construction of two class rooms, profile sheet roofing for front verandah at Gondwana Primary School at CMPDI(HQ), Ranchi.	18.40
7	Special repair and maintenance of Documentation, Security, E&M, CIL Cell and Exploration Division at Ground floor, 1st, 2nd, 3rd & 4th floor of Old Office Building and balance portion of R&D building at CMPDI(HQ), Ranchi.	162.00 lakhs
8	Construction of two class rooms at Birsa High School premises at Hathia Gonda village under CSR activities of CMPDI.	15.54

9	Development of Sports Ground at CMPDI(HQ) complex, Ranchi.	14.39
10	Operation and maintenance of waste water treatment plant including operation and maintenance of pumps for one year at CMPDI(HQ), Ranchi.	6.14
11	Maintenance Contract for 2014-15 for electrical works of CMPDI complex, Ranchi (Residential & Non-residential both) for one year.	59.25
ON-GOING WORKS		
1	Annual maintenance contract for Garden including maintenance of seasonal plants (Indoor & Outdoor) at CMPDI(HQ), Ranchi.	30.51
2	Upkeep work of CMPDI(HQ) complex, Ranchi.	76.98
3	Maintenance Contract for Civil Engineering Works for CMPDI(HQ) and NTS, Barkakana for one year.	94.55
4	Operation and maintenance of waste water treatment plant including operation and maintenance of pumps for one year at CMPDI(HQ), Ranchi.	6.54
5	Maintenance Contract for 2014-15 for electrical works of CMPDI complex, Ranchi (Residential & Non-residential both) for one year.	64.91
6	Maintenance Contract for Mosquito control and Anti-termite treatment for residential quarters and office building in CMPDI Campus for one year.	12.70
7	Repairing of RCC chajja, lintel beams of residential multistoried at CMPDI (HQ), Ranchi.	28.03
8	Construction of Archive Building at CMPDI (HQ) Complex, Ranchi.	141 lakhs
9	Renovation and Refurbishing of RI-II, CMPDI office at Dhanbad.	142 lakhs
10	Premix carpet surfacing including repairing of damaged road inside CMPDI campus at CMPDI(HQ), complex.	20.70
11	Supply & fixing of 6 Nos. Digital Timer 24 Hrs. at CMPDI(HQ), Ranchi	1.51
12	Supply, installation and commissioning of 40 ton capacity air-conditioning system along with standby of matching capacity including dismantling of complete existing AC system at ICT Division and AMC for 9 years for the proposed system at CMPDI(HQ), Ranchi.	AMC
13	Operation of waste paper recycling plant at CMPDI(HQ), Ranchi.	Departmentally
14	Rewiring of 'B' type quarter Block No. B-1 to B-36 (36 nos.) at CMPDI (HQ) complex, Ranchi.	Part-II opened
15	Overhauling of 250 KVA DG set no. 1	3.44 lakhs
16	Overhauling of 250 KVA DG set no. 3	5.57 lakhs

5.0 RESEARCH & DEVELOPMENT PROJECTS:

5.1 S&T PROJECTS FUNDED BY MINISTRY OF COAL

1.0 The R&D activity 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 CMPDI, Singareni Collieries Company Limited (SCCL) and Neyveli Lignite Corporation (NLC), Directors of concerned Council of Scientific & Industrial Research (CSIR) laboratories, representatives of Department of S&T, Planning Commission and educational institutions, amongst others. The main functions of SSRC are to plan, programme, budget and oversee the implementations of research projects and seek application of the findings of the R&D work done.

2.0 The SSRC is assisted by a Technical sub-committee headed by CMD, CMPDI. The committee deals with research proposals related to coal exploration, mining, mine safety, coal beneficiation & utilization and also the project proposals on mine environment and reclamation.

3.0 CMPDI 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, disbursement of fund, monitoring the progress of implementation of the projects, etc.

Total no. of S&T projects taken up (till 31.03.2015) - 383

Total no. of S&T projects completed (till 31.03.2015) - 313

4.0 Physical and financial performance during 2014 -15

A. Physical performance

The status of Coal S&T projects during 2014 -15 is as follows:

Projects on-going as on 01.04.2014	-	12
Projects sanctioned by Gol during 2014 -15 (Annexure-A)	-	03
Projects completed during 2014 -15 (Annexure-A)	-	03
Projects on-going as on 01.04.2015	-	12

B. **Financial status** – Budget provisions and actual expenditure are shown below:

(₹ in Crores)

2013 -14		2014 -15	
RE	Actual	RE	Actual
11.65	11.76	18.0	16.15 (un-audited)

5.2 CIL R&D Projects

For in-house R&D work of CIL, R&D Board headed by Chairman, CIL is also functioning. CMPDI acts as the Nodal Agency for processing the proposals for CIL approval, preparation of budget estimates, disbursement of fund, monitoring the progress of implementation of the projects, etc.

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

So far, 73 projects have been taken up

under the fund of CIL R&D Board out of which 53 projects have been completed till March 2015. The status of CIL R&D Projects during 2014-15 are as follows:

i) Projects on-going as on 01.04.2014 - 18

ii) Projects sanctioned during 2014-15 - 02

(Annexure- B)

iii) Projects completed during 2014-15 - 05

(Annexure-B)

iv) Projects on-going as on 01.04.2015 - 15

The disbursement of fund for CIL R&D projects during 2014 -15 is ₹ 13.52 Cr.

Annexure-A

S&T Projects funded by Ministry of Coal sanctioned during 2014-15

Sl. No	Name of the project	Implementing agencies	Approved cost (₹ in lakh)
1	Sustainable livelihood activities on reclaimed opencast coal mines: a technology enabled integrated approach in Indian coal sector	TERI / TERI University, New Delhi, MCL & CMPDI, Ranchi	290.69
2	Assessment of mine water environment and development of suitable and cost effective mine void aqua eco-system for promoting fish culture in abandoned coal quarries of Coal India Limited	BAU, Ranchi & CMPDI, Ranchi	224.27
3	Assessment of horizontal stress fields in deeper horizons and development of roof hazards maps of coal resources in SCCL command area	SCCL, Kothagudem and NIRM, Kolar	358.40

S&T Projects funded by Ministry of Coal completed during 2014-15

Sl. No	Name of the project	Implementing agencies	Approved cost (₹ in lakh)
1	Development of Self Advancing (mobile) Goaf Edge Supports(SAGES) for depillaring operations in underground coal mines - MT(EoI)/159	ISM, Dhanbad & M/s Jaya Bharat Equipment Pvt. Ltd(JBEPL), Hyderabad	197.75
2	Development of software for prediction of subsidence by 3D numerical modeling for SCCL mines - MT/160	Anna Univ., Chennai & SCCL	53.80
3	Development of customized organic coatings for corrosion protection of special mining equipment at Neyveli Lignite mines - MT/161	NLC & CECRI, Karaikudi	79.48

Annexure-B

R&D Projects funded by CIL sanctioned during 2014-15

Sl. No	Name of the project	Implementing agencies	Approved cost (₹ in lakh)
1	To find a methodology of safe liquidation in thick seams of Raniganj Coalfields: Design & Development & show-casing demonstrative trials at Khottadih colliery, ECL.	CIMFR, Dhanbad & ECL	41.066
2	An integrated geo-physical approach for tectonic study in Moher main coal basin of Singrauli coalfield using 3D inverse modeling of Gravity, Magnetic and AMT data.	Indian School of Mines, Dhanbad and CMPDI (HQ), Ranchi.	337.18
3	Determination of explosibility characteristics of coal dusts in laboratory conditions and development of guidelines for prevention of explosion in underground coal mines.	CIMFR, Dhanbad	639.37

R&D Projects funded by CIL completed during 2014-15

Sl. No	Name of the project	Implementing agencies	Approved cost (₹ in lakh)
1	Studies on determination of free silica (α -Quartz) content in respirable air borne dust in coal mines and preparation of data bank of free silica and other minerals present in dust as well as in coal. -CIL/R&D/1/39/10.	CIMFR, Dhanbad and S&R Division, CIL(Hq), Kolkata	353.82
2	Assessment of prospect of shale gas in Gondwana basin with special reference to CIL areas - CIL/R&D/1/46/11.	CMPDI and Advance Resources International (ARI),USA	512.20
3	Indigenous development of Integrated Dumper Collision Avoidance system for opencast mines - CIL/ R&D/1/51/2012	Mine Electronics Deptt, CMPDI(HQ), Ranchi and BEL, Panchkula, Haryana	354.51
4	Studies on shrinkage swelling characteristics of some Indian coals to ascertain recoverability of CBM from deep seated coal and shale resources - CIL/ R&D/1/53/2013.	CBM Cell, CMPDI, Ranchi and IIT, Kharagpur	182.60
5	Research and development on efficient energy management pilot study and action plan - CIL/ R&D/1/55/2013	IISWBM, Kolkata and DFIC-Management Consultants Pvt. Ltd, Kolkata.	66.19

6.0 LABORATORY SERVICES

6.1 Chemical Laboratory

During the year 2014-15, characterization of coal was carried out borehole coal cores from 32 nos. of blocks from 20 coalfields. A total of 10,000m coal core were processed and 30,000 samples was analysed upto March 2015.

Status of Equipment procurement.

- Technical evaluation for procurement of Jaw Crusher and Pulveriser was carried out. The recommendation of the technical committee is forwarded to MM Deptt.
- Re-tender for procurement of 2 no.s of **Proximate Analyser** and **Bomb Calorimeter** (for new Labs at RI-V and RI-VII) was carried out for which fresh quotations have been received and technical evaluation is being done.

6.2 Coal Petrography Laboratory

During the year 2014-15, characterization of coal was carried out for borehole coal cores from 26 nos. of blocks from 18 coalfields. A total of 900 nos. of samples analysed for Maceral determination and Reflectance study.

Two Petrographers of this laboratory have been accredited by **International Committee for Coal and Organic Petrology (ICCP)**. This certification qualifies the CMPDI's petrographers to undertake any kind of petrographic analysis at an international level.

Status of Equipment procurement.

- Installation and commissioning of **Scanning Electron Microscope** is expected to be completed by April'15.
- Installation and commissioning of **Advanced Polarizing Microscope** is expected to be completed by May'15.

- Supply order for procurement of **Point Counter** has been placed on 25.3.15. Delivery expected within 2 months.
- Retendering for procurement of **X- Ray Diffractometer** has to be done.

6.3 Coal Preparation Laboratory

Coal and Mineral Preparation Laboratory is engaged in washability study (including Proximate Analysis, GCV, HGI, Caking properties etc.) for both coking coal and non-coking coal of different coalfields as per requirement. The above tests are done for borecore coal samples as well as RoM coal samples etc. for construction of new washeries, modification of existing washeries etc.

The number of coal samples for which washability testing was done during the FY-2014-15 is given below:

- | | | |
|--|---|-----------|
| 1. Bore core samples | - | 32 |
| 2. RoM samples from mine | - | 5 |
| 3. Washery feed coal sample | - | 1 |
| 4. In addition to the above, Float and Sink test was done for- 27 nos. borecore samples from Mozambique at single specific gravity cut only. | | |

6.4 Coalbed Methane (CBM) Laboratory

CBM Laboratory established at CMPDI has enhanced its capacity and added facility of Rock Eval Analyser - Rock Eval: RE-VI, Model Turbo, Make Vinci Technologies (France) and Total Organic Carbon Analyzer: ToC Analyze - Model Multi N/C 2100BU, Make Analytik Jena (France) have been commissioned for generation of Shale gas related parametric data which will facilitate assessing shale gas prospectivity and potentiality. Further, to enhance laboratory capacity supply order to procure "Automatic Porosimeter cum Permeameter" has been placed to M/s Vinci Technologies Inc., France.

CBM Lab has carried out the field desorption studies at the borehole sites in 8 boreholes during 2014-15 and has generated total gas content and gas composition data. In addition, studies have been carried out in 5 boreholes for assessment of shale gas potentiality.

CBM lab has carried out Adsorption Isotherm (AI) test for 30 numbers of samples (25 Coal and 5 Shale) during 2014-15, including 7 coal samples of GSI through the in-house facility created in CMPDI in addition to carrying out Rock Eval analysis for 13 shale samples. Analysis of 1163 mine air samples, received from different collieries of CCL and 14 nos on Mine survey samples from CCL & ECL were also carried out and the results have been submitted.

7.0 ENVIRONMENTAL SERVICES

7.1 EIA / EMPs

During the year 2014-15 Environment Department prepared a total of **16** nos. of Form-1 and formulated **33** nos. of Draft EMPs.

7.2 Environmental Monitoring of Air, Water and Noise

Once MoEF accords the environmental clearance 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.



Analysis of Water Samples at Environment Lab

During the year 2014-15, environmental monitoring of 314 projects/establishments of CIL (ECL-42, CCL-71, WCL-81, SECL-82, NCL-13 and MCL-25) were carried out through nine environmental laboratories located at Asansol, Nagpur, Bilaspur, Kusmunda, Hasdeo, Jayant, Talcher, Ib Valley and Ranchi.

7.3 Accreditation to CMPDI as EIA Consulting Organisation

CMPDI has been accredited as EIA Consulting Organisation by Quality Council of India (A ministry of Environment & Forest's designated agency) for Mining of Minerals including Opencast/Underground mining sector and Coal Washeries sector. Prepared Compliance report of Audit observations of Quality council of India (QCI), New Delhi. Application for re-accreditation for QCI have been sent to Quality Council of India, New Delhi for re-accreditation as Consultant.

7.4 Accreditation of CMPDI Environmental Laboratory by NABL

Environmental Laboratories of CMPDI (HQ), RI-IV & RI-V have been accredited by National Accreditation Board for Testing & Calibration of Laboratories. (NABL) during the year.

7.5 Registration for OHSAS-18001-2007 of CMPDI Environmental Laboratory

Certificate of Registration for OHSAS-18001-2007 awarded to Env Laboratory, CMPDI by Certification International (CI) during the year 2014-15 Certificate of Registration for OHSAS-18001-2007

7.6 Establishment / Upgradation of Environmental Laboratory

A View of Environment Lab at CMPDI, HQ

Schemes of environmental laboratories,



approved by CMPDI Board, for Regional Institute-II, Dhanbad have been taken up and in progress.

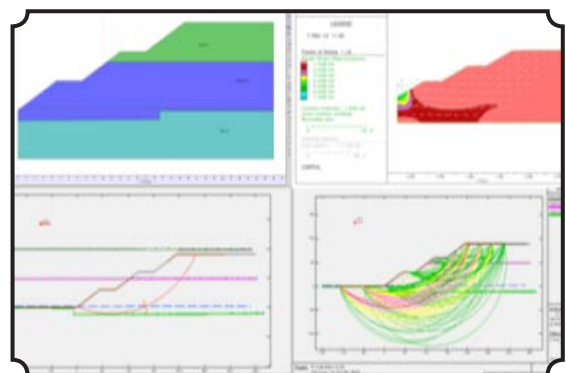
7.7 ETP for Coal Projects

Two Schemes for Effluent Treatment Plant (ETP) for Amlai OCP of SECL and Sonapur Bazari OCP of ECL have been prepared.

7.8 Quick Comments on Mine Closure Plan for Coal Blocks sent by MOC to CMPDI

Quick comments on 31 nos. of mine closure plans were prepared and sent to MOC during the year.

7.9 Slope Stability / Soil Erosion Control Studies



Requirement of slope stability study for OC mines and the requirement of soil erosion control study is one of the conditions of the environmental and forestry clearances issued by Ministry of Environment & Forests, Government of India. Accordingly, 8 nos. slope stability study and determination of ultimate slope angle of high wall were completed.

Slope Stability analysis of OB Dump at Pimplegaon OCP using FLAC & GALENA

Besides, 2 nos. of soil erosion control studies of CCL projects and 1 nos. of Top

Soil Management of CCL projects were also completed.

7.10 Celebration of World Environment Day

The World Environment Day was celebrated on 5th June, 2014. A drawing Competition for children was held on 5th June, 2014. A number of programmes viz. drawing competitions for children, quiz competition, plantation programmes and guest lecture were organized to create awareness amongst employees of CMPDI.

7.11 Technical papers

Following technical papers were contributed/presented:

1. "Role of CMPDI in Environmental Clearance Procedure and subsequent Compliance Support" - By Sri A.K.Debnath, Shri D.Basu and Dr. V.Arora. at FIMI, Bangalore, from 18-20 September'2014
2. "Mine Closure-Present and Global Practice" - By Sri A.K.Debnath, at Conference on Environmental Management in Coal Mining-Sustainable Way Forward, Organised by BCCL and MOEF & CC, New Delhi from 21-22 March'2015.

8. INFORMATION & COMMUNICATION TECHNOLOGY

In addition to providing in-house support, ICT Division of CMPDI has been extending consultancy services to CIL and its Subsidiaries. Some of the major jobs done during Financial Year 2014-15 are:

1. Web enabled on-line Performance Management System (PMS): The system is developed for On-line entry goal

setting by executives and acceptance by the reporting officer in the beginning of the financial year. This system will also facilitate half yearly review and annual review based on the achievements reported by the executive. This rating for the goals set along with the rating for Personal Qualities & Special Achievement will be used to determine the final score of the executive performance.

2. Development and implementation of Human Resource Information System(HRIS) for all executives of Coal India Limited, which include family details, CMPF, CMPS, Gratuity share details, Experience and Skill Set, Learning and Development apart from EIS which is already developed and implemented.

During financial year 2014-15 Manpower report (Company-wise, Discipline-wise, Grade-wise, Sanctioned Strength, Working Strength and Vacancy position) generated using EIS has become the accepted reporting mechanism in CIL. This along with the Retirement Profile is being used for carrying out the Manpower Planning exercise at CIL.

3. Web enabled On-line recruitment application portal has been developed for Mahanadi Coalfields Ltd, Sambalpur, Eastern Coalfields Limited, Sanctoria, Central Coalfields Limited, Ranchi Western Coalfields Limited, Nagpur and South Eastern Coalfields Limited, Bilaspur. The same portal is also extended to CMPDI. This is tool for Recruitment Division to accelerate the direct recruitment process for non-executive employees governed by NCWA.
4. Web enabled On-line recruitment application portal for Management Trainees is developed for Coal India Limited. Through this portal the

recruitment of Management Trainees is being done.

Online recruitment, e-recruitment or web based recruitment is the use of On-line technology or the internet to attract candidates, searching for the talented candidates and aid the recruitment process

5. Vigilance Clearance System/Vigilance Monitoring System for CIL and subsidiaries has been developed and is being implemented.
6. Development and implementation of on-line web enabled Annual Property Return system for all executives of Coal India Limited for the year 2014. This is being extended to non-executives under Lokpal and Lokayukta Act.
7. CMPDI is maintaining the website of Mahanadi Coalfields Limited at CMPDI Server.
8. Web enabled Consumer Grievance System, Vigilance complaints system developed for SECL & NCL.
9. Portal for coal allocation to power consumers (FSA) has been created for MCL, SECL.
10. Preparation cyber security report for CIL and subsidiaries.
11. Preparations of Project Report for Design of LAN (NCL Head Quarters), Mail server & web server for NCL.

Enhancement of Infrastructure of CMPDI

1. In order to improve connectivity of web servers, Internet leased line band-width capacity is being enhanced from 20 Mbps to 34 Mbps.
2. MPLS bandwidth at Head Quarters is being enhanced from 2 Mbps to 10 Mbps, and at RIs from 1 Mbps to 4 Mbps.
3. Procurement of Additional AutoCAD

licenses for CMPDI.

4. AMC for Minex has been renewed and new module of Dump Scheduling has been procured.
5. Replacement of 245 Desktop PCs and additional procurement of 70 Desktop PCs in CMPDI.

8.1 INFORMATION MANAGEMENT SYSTEM

In context to the above, the different activities/jobs pertaining to the publication department is as follows:

1. Publication of Deshkal Sampada – 4 issues of our in-house magazine have been published during the year. This includes editing, DTP work, layout and publication of the magazine.
2. Publication of Minetech - 4 issues of our technical magazine 'Minetech' have been published during the year. This includes editing, DTP work, layout and publication of the magazine.
3. Dispatch of magazines - Dispatch of approximately 14000 copies of both the magazine to different places like MoC, CIL & subsidiary HQs and units/mines etc.
4. Publication of book - Publication of book titled 'A Handbook on dragline dump profile of surface coal mines of India' authored by Prof. Indrajir Roy and Sh. Somesh Sengupta is under process.

8.2 VIGILANCE

CMPDIL – Slogan writing Competition for employees and their family members, Quiz & Extempore speech competition for employees was held. A talk was delivered by CVO, CMPDIL on the theme of this year Vigilance Awareness Week i.e. "Combating Corruption – Technology as an Enabler".

In CMPDIL, five ETE type inspections were conducted and 12 Surprise checks were conducted in Hqrs. / RIs.

9.0 SPECIALISED SERVICES

9.1 Geomatics

Geomatics Division provides services in the field of remote sensing and surveying for land reclamation monitoring, OB measurement, vegetation cover mapping, DGPS survey, land use mapping, coal mine fire mapping, topographical survey, underground correlation survey etc.

9.1.1 Monitoring of OC mines through Remote Sensing

CMPDI has introduced satellite surveillance for land reclamation monitoring of all the opencast mines from the year 2008-09. Land reclamation monitoring of 50 numbers of opencast projects having more than 5 million cu.m. capacity (coal+OB) and 36 OC projects producing less than 5 million cu.m. (coal+OB) have been completed based on high resolution satellite data during the year 2013-14. Monitoring of land reclamation status in larger capacity mines ($\rightarrow 5$ mcm) are carried out regularly on annual basis and smaller mines ($\leftarrow 5$ mcm) at three years interval.

9.1.2 Vegetation cover mapping

Vegetation cover mapping of following 7 coalfields have been completed during the year 2014-15 for assessing the regional impact of coal mining on land use/vegetation cover in the coalfields.

- Rajmahal
- Raniganj
- Ib-Valley
- Mand Raigarh
- Sohagpur
- Pench-Kanhan
- Umrer

9.1.3 Land use mapping

Land use/cover mapping of core and buffer zone of 16 projects of ECL, CCL, MCL, SECL

and WCL have been completed for generating baseline information for Environmental Management Plan.

9.1.4 Coal mine fire mapping and MFIS

Monitoring of coal mine fire in Raniganj, Jharia, East Bokaro, West Bokaro and Karanpura coalfields based on LANDSAT thermal infrared data have been carried out during the year. Mine Fire Information System (MFIS) has been developed on GIS platform for effective monitoring of the mine fire for planning the mitigative measures.

9.1.5 Mapping of unauthorized settlements in Basundhaea-Garjanbahal Area based on high resolution satellite data .

Identification of newly constructed house after September 2010 in 6 (six) villages of Basundhaea-Garjanbahal Area of MCL has been done based on high resolution satellite data procured from Digital Globe, USA. This has resulted in considerable savings in terms of compensation money to be paid to claimants. New structure identified based on satellite data are precisely located in the ground using DGPS.

9.1.6 Topographical mapping of Coalfields

Topographical mapping of 27 major coalfields of CIL on 1:50000 scale with 2 meter contour interval based on remote sensing technique is under progress in collaboration with Survey of India. Airborne data for all the coalfields have been acquired and data processing is under progress. Project is scheduled to be completed by Dec. 2016.

9.1.7 OBR measurement

Departmental OBR measurement of 43 OCPs in all the subsidiaries as well as contractual OBR measurement in 105 patches have been completed during the year 2014-15.

9.1.8 DGPS survey of forest boundary

As per the latest guidelines of MoEF, DGPS

survey of the forest land to be acquired for mining purpose is to be surveyed using DGPS and shape file has to be submitted along with the application submitted for stage-I forest clearance. DGPS survey of forest land in 21 mining projects have been completed during the year for forestry clearance.

9.1.9 Geo-referencing of leasehold boundary & overlaying on cadastral map & satellite data

Geo-referencing of mine leasehold boundaries and overlaying of the same on digital cadastral map and LISS-IV + CARTOSAT-II satellite data have been carried out for 5 mining leases (under MCR and MMRD) of Chirimiri Area, SECL and one lease at Durgapur/ Sariya Coal Block of M/s DB Power as per IBM guidelines.

9.1.10 DGPS Survey

DGPS Surveys were carried out for

- certification of lease boundary of West Bokaro Colliery of M/s TISCO
- establishment of permanent control points at Muraidih.
- finding co-ordinates of Old Boreholes, Old Pits and surface features and for conversion of local grids to WGS 84 system in about 120 Blocks.
- BH surveys in Mozambique. Teams were deputed twice for DGPS Survey during the year, for CIAL
- Block Boundary Demarcation was carried out in 6 coal blocks using DGPS.

9.1.11 Underground correlation & traverse survey

Underground correlation survey and traverse survey in 4 circuits of Bhutgoria UG mine, BCCL, have been carried out during the year.

9.1.12 Measurement of washery rejects

- Slurry and washery rejects

measurement in Dugda coal washery was carried out.

- Measurement of reject of Bina OCP also carried out on monthly basis

9.1.13 OB dump survey

- Dragline OB dump survey in all the OC mines of NCL are carried out regularly for safety purpose.
- Measurements of heights and slopes of 5 external OB Dumps of Nigahi and 2 external dumps of Dudhichua, NCL were also carried out during the year.

9.2 BLASTING

CMPDI 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. It has also technical niche in solving Intricate Blasting Problems viz. assimilation and application of new technology/concept, cast blasting, induced caving by blasting, blasting in hot strata, structural demolition etc. In addition, R&D/S&T projects related to blasting domain and funded by CIL R&D Board are also under implementation for improvement of production, productivity & safety in coal mines.

Blasting Cell of CMPDI is equipped with the state-of-art equipment viz. High Speed Camera, Data Trap-II for in-the hole VOD measurement, fragmentation assessment and measurement by WipFrag software, Blast simulation by JK Simblast and High frequency Oscilloscope with high sampling rate for carrying out explosive and accessories testing.

Technical services rendered to different subsidiaries of Coal India Limited & outside agencies during 2014-15:

1. Controlled Blasting & vibration study – 9 mines of BCCL, CCL and MCL.
2. Optimization of blast parameters and improvement of Powder factor study – 19 mines of CCL, BCCL and MCL.
3. Random Sampling and Testing of explosives and accessories – In mines of CCL, BCCL, NEC and Neyveli Lignite Corporation.
4. Design of Blasting for excavation in rock by controlled blasting for M/s Sunil Hi-Tech Engineering Ltd.
5. Determination of confined VOD using Data Trap-II for eight holes loaded with ANFO vis-à-vis other explosives (SMS/SME) at SCCL.
6. Performance evaluation of new explosive products.

9.3 MINING ELECTRONICS

Mining Electronics Division of CMPDI renders services in preparing Feasibility Reports, Detailed Design Reports and Tender Documents for establishing communication network, Telemonitoring of Environmental Parameters for U/G and O/C mines. It also renders valuable services to subsidiary 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 Open Cast and Underground Mines. The following jobs were completed during the year.

9.3.1 Preparation of Reports/Schemes/NIT

1. e-NIT for Environmental Telemonitoring System(ETS) for Sawang U/G Mines, CCL has been submitted.
2. Scheme for Environmental Telemonitoring System for Mine No.4 of

Orient Area of MCL has been submitted.

3. CIL R&D Project on – “Indigenous Development of Integrated Dumper Collision Avoidance System for Open cast Mine”- is completed at KDH opencast N K Area CCL.
4. MOC approved S&T Project on “Development of Tele-Robotics and Remote Operation Technology for U/G Mines”- The design of 3D model of robot and the integration and lab testing of different module has been completed at CMERI, Durgapur and at CIMFR, Dhanbad. Field trial is awaited.
5. Chapters on Electronics & Telecommunication for 24 Nos. of U/G and OCP for inclusion in Project Reports of different subsidiaries of CIL and outside agencies have been prepared.

9.3.2 Repairing/Calibration/Testing of Electronic Cards/Gas Monitors

1. Repairing of HEMM cards -222 Nos.
2. Repairing & Calibration of Methanometers – 54 Nos.

9.4 COAL TECHNOLOGY

The Chemical and Petrographic unit of CT& Lab Division is equipped with conventional and imported state-of-art equipment to carry out complete characterization of coking and non-coking coal for their downstream utilization. Systematic 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. Systematic characterization of coal samples for CBM assessment and, shale samples for shale gas assessment is being carried out for CBM and Shale Gas data package.

9.5 MANAGEMENT SYSTEM CONSULTANCY

MANAGEMENT SYSTEM CONSULTANCY FOR CIL & ITS SUBSIDIARIES:

Over the years, CMPDI has substantially expanded its capabilities in the field of consultancy service for implementation of the various management systems, like ISO 9001 - Quality management systems (QMS), ISO 14001 - Environmental management systems (EMS), OHSAS 18001 - Occupational health & safety management system (OHSMS), ISO 27001 - Information security management system (ISMS), ISO 50001 - Energy management systems (EnMS), SA 8000 - Social Accountability Management systems, ISO 17025 - General requirements for the competence of testing and calibration laboratories.

CMPDI provides such consultancies through the design and implementation of either the individual management system or Integrated management systems (IMS) conforming simultaneously to different management systems standards as may be required under various combinations. CMPDI facilitates the creation and documentation of management systems, provides training and auditing support, initial implementation, certification support and post certification support/assessments, etc.

Being the nodal setup for all such work in CIL, CMPDI has facilitated all the subsidiary companies to achieve a total of 155 certifications against the international standards - ISO 9001, ISO 14001, OHSAS 18001, ISO 17025 and SA 8000 in various opencast and underground mines, workshops, hospitals, washery, training institutes, etc.

Besides these, two subsidiaries, MCL & NCL were facilitated to achieve companywide Integrated Management System (IMS

integrating ISO 9001, ISO 14001 & OHSAS 18001) - these being the first such achievements for a CIL subsidiary.

DURING 2014-15:

During the year 2014-15, certification/recertification of 101 units was achieved for different management system standards, under the guidance of CMPDI - this includes 39 newly certified units and 62 recertified units.

As a part of its MoU, CMPDI has achieved the ISO27001:2013 certification for Information Security Management System with the concentrated and dedicated efforts of the team and with the immense support of the top management, thus, completing the MOU target within the stipulated time. CMPDI, Ranchi has now become the first company in Coal India Ltd to achieve a certification for Information Security Management System.

On the request of the Ministry of Coal, Govt of India, New Delhi, the Management System Division of CMPDI HQ successfully completed the consultancy for implementation and certification of ISO 9001:2008. Ministry of Coal was awarded a license for ISO9001:2008 in October 2014 by the Bureau of Indian Standards, New Delhi, thus becoming the second Ministry of Govt. of India to get ISO 9001 certification.

CMPDI has been constantly providing post certification support and guidance to the certified units like advice for corrective and preventive actions for the non-conformities observed during surveillance audits, conducting internal audits, conducting awareness trainings, etc.

FUTURE PLANS:

With the success of a companywide Integrated Management System (IMS) in MCL & NCL, the implementation of IMS was started for

ECL, CCL & BCCL. Documentation for ECL has been completed. Documentation for CCL & BCCL have also been prepared and are expected to be finalised in April 2015. It is expected that by March 2016/April 2016 the whole companies of ECL, BCCL & CCL will be able to get certifications for companywide IMS which includes ISO 9001, ISO 14001 & OHSAS 18001.”

10.0 MATERIAL MANAGEMENT

1. Disposal of Scrap and Obsolete items

The scrap and obsolete items are disposed off on a regular basis based on approved Survey-off Report submitted by different departments and Regional Institutes. Company has a Selling Agency Agreement with M/s. MSTC which facilitate on-line disposal of such items through e-auction. During the year under review, scrap and obsolete items worth 128.77 lakh have been disposed off as against 102.00 Lakh in previous financial year. The Annual Target for disposed off is 100.00 lakh.

2. Inventory Control

There are 55 Nos. of mechanical drills deployed at different sites by the Regional Institutes which are in continuous operations. Consumables like drill rods, core barrel, drill bit, TC bit etc. are regularly required during the operation of the said drills. Hence, sufficient stock of these items has to be maintained to ensure continuous operation. As a part of inventory control, supply orders are placed for consumables with phased delivery to avoid building-up of inventory. The inventory as on 31.03.2015 was valued to 568.00 lakh as against 524.00 Lakh as on 31.03.2014. The inventory is mainly comprising of drill rod, casings, drill bit, core barrel, Tungsten Carbide (TC) bit etc. The increase in inventory is due to the inventory of accessories and consumables for 4 Nos.

Hydrostatic Drill in 2014-15 and 3 Nos. in 2015-16.. This inventory will be consumed in due course before supply of fresh lot of items.

3. Procurement of different Laboratory items.

As per CMPDI's Plan, Laboratories was expanded to include additional tests at CMPDI, HQ. and Regional Institutes. 45 types of instruments were added in the lab during 2013-14 and further addition of 11 types of instruments were added in 2014-15 which has enhanced the capability of Laboratory to take up new jobs.

4. Purchase of items related to Drilling

Purchase of drills, its accessories and consumables in time is essential to meet the drilling target of CMPDI. All indents received for these items have been finalized on priority to ensure that the Regional Institutes do not have shortage of either drills or consumables which could impede the drilling target. The items required by Regional Institutes were made available to them in time and there have no instance of any complaint from any of the drilling cap regarding non-fulfillment of their requirement. There was sufficient stock of the items to take care of continuous operation.

5. Purchase of Drill Machines.

During 2014-15, supply order for 8 Nos. Hydrostatic Drills were placed at a total value of ₹1329.00 Lakh. Out of that 3 Nos. have already received during 2014-15.

During 2014-15, total order placed worth ₹ 4187.00 Lakh as against ₹ 3233.00 Lakh in 2013-14.

6. Purchase Preference to MSEs.

As per D.O. No. 21(1)2011/-MA dated April 25,2012, procurement from MSEs is being done by M.M.Divn., CMPDI as per norms laid

down in D.O. Letter, i.e. supply order have been placed on the MSEs for more than 20% of the total value of order placed for the year 2014-15.

7. Independent External Monitors.

Following IEMs for CMPDI have been engaged by CIL vide letter No. CIL/C2D/IEM/CMPDIL/1182 and CIL/C2D/IEM/CMPDIL/1183 both dated 13.11.2013.

- a. Prof (Dr.) L.C.,Singhi, IAS (Retd.)
- b. Dr. S.,M.Jharwal, IES (Retd.),

During the year 2014-15, Structural Meeting was conducted with the IEMs along with CMD, CMPDI and HoDs of the Company. Time to time correspondence is being made with the IEMs and Integrity Pact is being incorporated in all the tenders above threshold limit value and the IEMs are engaged as per the CIL letter. During the year under reference, neither CMPDI nor the Bidders have referred any matter to IEMs for their opinion. During deliberation the IEMs have observed that CMPDI is maintaining transparency in the tenders as well as the award of contracts, and as a result of which no representations have been received from the bidders.

11.0 HUMAN RESOURCE DEVELOPMENT

During the year 2014-15, exposures were given to CMPDI employees in the following major areas:

Major Area	STC	IICM	External	Foreign	Total
Managerial	277	119	64	00	460
Technical/ Functional	259	22	162	02	445
Cross Functional	47	08	00	00	55
Total	583	149	226	02	960

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

Foreign training

During the year 2014-15, total **02** nos. of executives from CMPDI had visited foreign countries for attending Seminars / Conferences / Trainings.

External training

Every year quite a good number of executives are being sent to different institutions / places for attending Training, Conference, Workshop, Symposium etc. This year **226 nos.** of executives and non-executives have attended programmes at different places in India. Nominations are generally made by the Head of the Divisions of HQ / Regional Directors of Regional Institutes and approved by CMD / Director as per the need of the company.

Some of the topics on which executives have attended the Training, Workshop, Seminar, Conference etc at external organization are listed below:

- Short course on Rock instrumentation in Mining structures ,RIMS-2016
- 3 day National Seminar on The winning habits of effective Managers
- National Workshop on design of goaf support system in India Coal Mines.
- Executive Development Program
- Training on Advanced Mgt Program
- General Mgt Program
- Workshop on IN-Pit crushing , conveyors & crushing mining.
- 2 days National Conference
- Comprehensive course on mining technology & mining machinery
- One day seminar on Sustainable Development & Inclusive growth of Mining Industry
- Indian Oil corporation ltd
- Application of Remote sensing and GIS in ground water studies.
- Application of Power electronics in renewable energy.
- Advance Mgt Program for GM's
- Aquifer mapping:concept & approach
- Mining equipments selection for OC & UG mines
- Short Term Course on Surface Mining safety and Productivity 2014.

- One day workshop on Mindfulness(CIM) and simple art of managing stress(SAMS)
- Short Term course on Surface Mining :Safety & Productivity 2014
- Training on Drilling Fluid Technology.
- Leadership Skill Development Program
- Short term course on Rock Mechanics & Ground control.
- Energy Manager examination to be held in august 2014 conducted by Bureau of energy efficiency.
- WIPS
- Pumping Test Data
- Technology exchange program "Rock Blasting"
- Training Program on Remote & Repair of surface mount assemblies
- Mining Mazma 2014 convention
- Conference on Sustainability and efficiency in core sector.
- 2 days Symposium on Fraud Risk Mgt.
- Refresher course on diamond coredrilling
- Preventive ,maintenance of drill rigs, mud pumps & associated accessories.
- 5th coal summit & Expo 2014
- National seminar DGMI-2014
- Wirtgen Surface miner workshop
- 66th International Committee for Coal Meet
- 36th Annual Convention Seminar on Exploration Geophysics
- International Conference of International Association for Mathematical Geoscience(IAMG)
- Geophysical techniques in ground water studies
- Comprehensive course on mining technology and mining machinery both surface and UG
- ISNT Magnetic particle test level II
- National workshop on power electronics(NWPE-2014)
- Advance level residential training on wtp/wwtp/stp sedign, operation & maintenance & water reuse recycling.
- Training on geo technical drilling.
- 2nd international seminar & exhibition on "recent trends in design development testing".
- Seminar on coal gasification
- Knowledge & Innovation Mgt
- WIPS regional meet eastern region
- Global Mining Summit 2014
- Mapping of carbon footprints and water footprints.
- Integration of local power generation
- Measurement uncertainty
- Inter Lab comparison proficiency testing and evaluation score
- Air Pollution Monitoring Practical approaches for

- reliable monitoring of ambient air and source emission
- International Conference on health & safety mgt in mining industry & advertisement of a full phase in souvenir.
- Training cum workshop on advanced coal characterization
- Socio-Economic functional area
- 18th National conference E-Governance
- Geospatial Technology and Application
- Re-Invest-1st Renewable Energy Globe Investment Promotion Meet & Expo
- Fundamentals of Development Geophysics- Evaluation of 3d & 4D Seismic Data
- 56th National cost Convention- 2015
- Seminar on Centre Point
- WIPS- 25th Silver Jubilee
- Annual Seminar of Asansol Branch of ICAI
- Training Cum workshop on constitutional and other statutory provision on sexual harassment on workplace.
- Program on Project & contract Mgt
- Effective office Communication Skill
- Radian safety of nucleonic gauges-NG-128
- National Action Plan for Vocational Training of persons with disabilities(PWD)
- Environment Mgt of Coal Mining Issues

Training at IICM

Every year HRD Division nominates large number of senior and middle level executives for training at IICM as per IICM's calendar programme. Nominations are being made as per the recommendation of different Head of the Divisions & Regional Directors, based on the requirement of company & customer need.

At IICM, **149** numbers of executives have been trained in 2014-15.

Some of the topics are listed below:

- Competition for Coal India Young Managers
- Environment & Forest Clearance.
- Functional Skill Program for HR(P&A)
- Executive Development Program for Young Managers
- Contract Management-Key Issues
- Public Procurement Procedures
- Leadership Development Program
- Team Building & Conflict Resolution
- Skill Program For Medical(Occupational Health)

- Coalnet / Networking
- General Management Program.
- Contract Labour Act
- Use of rajbhasha
- Functional skill program for system (Oracle).
- Project Management for Coal companies.(In association with an Institution of Excellence)
- Preparatory Program for retiring executives.
- International System Standards.
- Goods, Services Tax & Direct Tax code
- Risk Management
- Sustainability, Inclusive Growth & CSR
- Right To Information Act.
- Advance Management Program
- Vigilance Awareness
- Short program on Self Management Excessive Tension in association with SVYASA, Bengaluru
- Emergency Medical Services
- Service Jurisprudence
- Outdoor Leadership Course at Jamshedpur
- Land Acquisition , R&R & CSR

Training at Staff Training College

Training of non-executives and CMPDI specific training of executives are being organized at STC. A total of **583** executives and non-executives have attended training, workshop etc. at STC during 2014-15.

Apart from the regular Training Programmes, such as Technical Awareness Program (TAP) for various discipline (Mining, Excavation, Geophysics, Exploration), special technical program on "Minex Software" was also organized for the executives at STC, CMPDI as per the need of the company.

Major areas of Training / Workshop were the following:

- Internal Auditing Skills & Understanding of Std ISO 9001 & ISO 27001
- Training on Handheld GPS
- Organizational culture building initiative
- Training on Electronic Total Station and its Software
- Training on Visual Fortran Programming Language
- Functional & Upgradation of Technical knowledge Program for MT(CP)/AM(CP)
- Hindi workshop
- Training on Different Global Positioning system

- Awareness of ISO & documented system of CMPDI
- Preparation/customization of excel based BOQ & TPS for e-Tendering in CIL/MCL Portal
- Training Program on SC/ST/OBC Roaster
- HIV/AIDS (Master Trainer)
- Training on Terrestrial laser scanner(TLS)
- Awareness of ISO 27001(ISMS) and ISO 9001(QMS)
- Hindi Software Training
- Training on Solid & Hazardous waste Mgt
- Systematic application of Drilling and use of Drilling Equipment /Accessories
- Training on customization of BOQ & TPS for e-Tendering
- Upgradation of technical knowledge for AM/MT(E&M)
- Training on e-Procurement Portal of CIL.
- Minex Software
- Hands on Training on Bid opening process in e-Procurement
- CDA Rules
- Finance to Non-Finance
- Internal Auditing Skills & Understanding of Std ISO 9001 & ISO 27001
- Training ON Auto Cad
- Mining for Non-Mining Executives
- Technology Awareness program for Management Trainees(Mining) of CIL
- Interaction with MT's in Ecology & Biodiversity

Training at CMPDI for students of different Institutions

As a Corporate Social Responsibility, training of the students of various institutions are being organized by HRD Division at different divisions of CMPDI. Total **175 numbers** of students have been trained at CMPDI in 2014-15. The students have undergone these Trainings / Project works for 7 days to 2 months. After completion of training / Project, HRD Division has issued certificates for successful completion of Training / Project.

The Institutions approached for training are:

1. IIT, Roorkee.
2. IIT, BHU, Varanasi.
3. Indian School of Mines, Dhanbad.
4. BIT, Mesra.
5. NIT, Jamshedpur

6. University Of Petroleum Energy Studies, Dehradun
7. VIT, Vellore
8. MIT, Manipal
9. Satyabhama University, Chennai.
10. Rishiraj Institute of Technology.
11. SRM University, Chennai.
12. PDGE, Nagpur.
13. . XISS, Ranchi.
14. KIIT, BBSR.
15. St. Xaviers College, Ranchi.
16. Alliance University, Bangalore

12.0 OUTSIDE CIL CONSULTANCY

During the period April, 2014 to March, 2015, 29 consultancy jobs were done for 22 organisations outside CIL. Some of the major clients/organizations to whom jobs were provided/ completed are Nayveli Lignite Corporation, MOIL, NTPC, SAIL-ISP, NALCO, Damodar Valley Corporation, CMDC, Mahan Coal Limited, Karnataka Power Corp Ltd, etc.

Presently, 26 outside consultancy jobs are in hand for 16 organisations like SAIL, MOIL, Tata Steel, IDCO, NTPC, OMC, OPGC, M/s Baitarni West Coal Co. Limited, Neyveli Lignite Corporation Limited, NMDC etc.

During the year 2014-15, 27 outside consultancy jobs worth Rs. 11.63 crores from 19 organizations were procured by CMPDI.

13.0 MANPOWER AND WELFARE ACTIVITIES

13.1 STATUS OF MANPOWER:

Particulars		As on March 31, 2014	As on March 31, 2015
Executive		970	934
Non-Executive	Monthly Rated	1253	1280
	Daily Rated	912	1415
Grand Total		3135	3629

13.2 WELFARE ACTIVITIES:

1. CMPDI has 2518 nos. of quarters at its Headquarters and Regional Institutes with housing satisfaction of 100%.
2. Adequate supply of drinking water has been made available to employees of CMPDI.
3. All the employees and their dependents are provided medical facilities through its dispensaries and the hospitals owned by subsidiary companies of CIL. Patients are also referred to renowned institutions as per requirement.
4. CMPDI provides financial assistance/ grant of Rs.1.00 lakh to DAV Public School, Gandhi Nagar, Ranchi.
5. There are 31 nos. of school buses including hired small vehicles for school going children of employees.
6. Cash Award amounting to Rs. 52,000/- (Rupees fifty two thousand) only was given to the wards of the employees who secured 90% and above marks in the Xth & XIIth Board Examination held in the year 2014.
7. Gratuity Cheque is being given to the employees on the day of their superannuation.
8. All the employees of CMPDIL are getting their salary through Bank
9. A Grant of Rs. 25,000/- (Rupees twenty five thousand) only was given to Kasturi Mahila Sabha for organizing family get-together.
10. World AIDS Day was celebrated on 1st December, 2014.
11. A Grant of Rs. 12,000/- (Rupees Twelve thousand) only was given for celebrating Ambedkar Jayanti.

12. A Grant of Rs. 30,000/- (thirty thousand) only was given to Recreation Club for celebrating New Year.
13. A Grant of Rs. 20,000/- (twenty thousand) only was given to Gondwana Club & Recreation Club for celebrating Holi Milan.
14. A Grant of Rs. 5,000/- (Rupees five thousand) only was given to Netaji Jayanti Committee, Hazaribagh for celebrating Netaji Jayanti.
15. CIL Merit Scholarship amounting to Rs. 40,200/- was given to 15 wards of employees and CIL General Scholarship amounting to Rs. 1,28,760/- was given to 119 wards of the employees as per the guidelines of the Company.
16. An amount of Rs. 6,68,360/- was given to wards of the employees studying in NIT/ IIT as per existing guidelines.

13.3 Special events in Sports Activities:

1. Miss Victoria Kujur, Sr. Sports Asstt. represented Coal India in 4th Corporate Games at Srisport Sports Complex & Jawahar Lal Nehru Stadium, New Delhi w.e.f. 20.11.2014 to 23.11.2014.
2. CMPDI (HQ) conducted Inter-Regional Institute Cultural Meet after a long gap of about 20 years, which was a huge success.
3. CMPDI conducted Inter-Regional Institute Tournament for Badminton, TT, Carom, Chess, Athletic Meet, Foot Ball, Volley Ball and Bridge.
4. CMPDI (HQ) conducted friendly Canvas Ball Cricket Tournament between CMD- XI and Director- XI on 26th Jan., 2015.

13.4 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 "Desh Kaal Sampada", a Renowned & National Level House Magazine of your company also continued to promote the creative writing in Hindi, which fetched laurel all over the country.

In the month of September, 2014, "Rajbhasha Pakhwara" 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 on this occasion. A large number of employees participated in all the competitions held during the month and the Competitors' securing 1st to 5th position in the competitions were awarded prize of Rs. 1500, Rs. 1300, Rs. 1200, Rs. 1100, Rs. 1000 respectively in cash as well as books of equal amount by Chairman-cum-Managing Director and all other Directors of Your company.

In addition, two departments and two RI's, who have done most of their official work in Hindi were awarded Chairman's Winner and Runner Shield respectively.

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 in the field of use of Rajbhasha Hindi in daily routine work.

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 the Ministry of Home Affairs, Department of Official Language, New Delhi. In addition, Progress of Hindi is also included as permanent Agenda in Regional Directors' Co-ordination Meeting to improve the use of Hindi in day-to-day Official Work of all Regional Institutes and reviewed regularly. Your company continued to participate in the meeting of Town Official Implementation Committee organized by CCL.

13.5 DISCLOSURE AND INFORMATION UNDER SEXUAL HARASSMENT TO WOMEN:

No compliant or no case of sexual harassment to women at working place in CMPDIL has been reported during the year 2014-15 under the disclosure and information under sexual harassment to women at work place (prevention, prohibition and redressal) Act, 2013.

- a. Number of sexual harassment complaints received in a year - Nil
- b. Number of complaints disposed of in a year - Nil
- c. Number of cases pending for more than

90 days - Nil

- d. Number of awareness programs or workshops against sexual harassment conducted in a year - Nil
- e. Nature of action taken by the employer or district officer with respect to the case - Nil

14.0 CSR & SUSTAINABILITY ACTIVITIES OF CMPDI (2014-15):

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 under-privileged sections of the society.

CMPDI CSR projects are undertaken in and around the areas of operations (which includes drilling camps spread across 7 states of the country) to cater to the needs of the affected community for their development and well being. In financial year 2014-15, the projects worth of Rs. 1.57 crores (provisional) have been implemented in aforementioned

areas, against an approved budget of Rs. 2.0 crores.

Keeping in view the special nature of its business, CMPDI has initiated its CSR & Sustainability activities in following areas during 2014-15:

[a] Infrastructural Support :

Several infrastructural projects in the form of school buildings, Community Hall, Shed, and Toilets etc. have been sponsored by CMPDI in various locations:



1. Construction of two classrooms at Birsa High School, Kanke Road Hathiagonda, Ranchi, Jharkhand.
2. Construction of two toilet complexes (one each for Boys & Girls) at Adivasi Vikas Bal Vidhyalaya, Gadhdipa, Sarsa, Block Lapung, Ranchi, Jharkhand.
3. Construction of Platform & Shed in community place at Datma village of Orla Panchayat (Mandu block), Jharkhand.



4. Construction of Hall with stage at Zilla Parishad Higher primary School, Sonagaon Tah. Chimur Dist. Chandrapura, Maharashtra.
5. Construction RCC Stage and Kitchen Shed at Zilla Parishad School, Nandori, Tah. Warora, Dist. Chandrapura, Maharashtra.



6. Construction of Community Hall at Brahmanbil Village, Chhendipada, Orissa.
7. Construction of Kalyan Mandap at Kosala village, Orissa (under construction – part completed)

8. Construction of 2 Class-rooms & Laboratory rooms at Deorikhurd, Chhattisgarh.
9. Construction of two toilet complexes (one each for Boys & Girls) at Shivaji High School, Rajura, Maharashtra.

[b] Education:



Educational support like supply of study materials, benches, uniforms, financial support/assistance in the form of scholarship are being provided by CMPDI to many schools.

1. Financial Assistance for celebration of Annual day, Sports Day, Independence Day & Republic Day at Gondwana Primary School, Kanke Road, Ranchi
2. Financial Assistance for celebration of Annual day, Sports Day, Independence Day & Republic Day at Birsa High School, Kanke Road, Ranchi
3. Supply of 100 sets (3-seater) of Desk-benches for the students of Adivasi Bal Vikas Vidhyalaya, Gadhdipa, Sarsa, Lapung, Ranchi, Jharkhand



4. Distribution of 3-seater Desks and benches (30 sets) for the students of Rajyakriyakrit Prathmik Vidyalaya, Mayapur, Ranchi & Desk benches (70 sets) for the students of Rajyakriyakrit Prathmik Vidyalaya, Lapra, Ranchi.



5. Distribution of 160 sets of 3-seater desk-benches in the following four schools of Bhagiya Panchayat, Balumath, Latehar, Jharkhand:

1. Utkramit Primary school, Jamuniyatand- 40 nos.
2. Rajkirayat Utkramit Middle School, Bhagiya – 40 nos.
3. Rajkirayat Utkramit Middle School, Seeram – 40 nos.
4. Rajkirayat Utkramit Middle School, Okaiya – 40 nos.



6. Distribution of 3-seater Desks & benches 25 sets for the students of Rajyakriyakrit Prathmik Vidyalaya, Nutandih, Dhanbad & 50 sets for the students of Utkramit

Madhya Vidyalaya, Damodarpur, Dhanbad.



7. Distribution of 5-seater Desk & benches (50 nos.) for the students of Ethora Shrish Chandra Institution, P.O. Ethora, Dist. Burdwan, West Bengal



8. Distribution of old materials to Asansol Vivekanand Math, Krishna Tower, Bidya Sagar Sarani, Asansol, West Bengal:
 - a. Drafting machines/ drawing board with stand (old & used) – 50 nos.
 - b. Conventional manual type writer (old & used) – 1 no.
 - c. CPU external frames (old & used) – 4 nos.
 - d. Monitor external frames (old & used) – 3 nos.
 - e. Printer external frames (old & used) – 1 no.
 - f. Key board external frames (old & used) – 2 nos.
 - g. Wooden table (old & used) – 20 nos.
 - h. Chairs (old & used) – 50 nos.
 - i. GI water tanks (old & used) – 23 nos.

9. Distribution of school uniform (Sweaters) to 262 students of Gondwana Primary School, Kanke Road, Ranchi and 200 students of Birsa High School, Kanke Road, Ranchi



10. Reimbursement of the cost of electricity charges especially for hydro-therapy & Physio-therapy purposes of the students of Asansol Anandam (a Special Child Development & Vocational Training Centre).



11. Sponsorship of 10 students who are physically & Mentally retarded, hearing



impaired etc. of Asansol Anandam (a Special Child Development & Vocational Training Centre) for the year 2014-15.

12. Payment of school fees of Rs. 40,800 (Rupees forty thousand eight hundred only) to 20 nos. of Poor & Meritorious students of Gondwana Primary School, Ranchi & Rs. 83,700 (Rupees eighty three thousand seven hundred only) to 42 nos. of Poor & Meritorious students of Birsa High School, Ranchi for 1 year period

[c] Healthcare:

CMPDI under Healthcare initiative provided Medical Equipment's & Financial Assistance to different Charitable Hospitals.

1. Financial Assistance of Rs. 15 Lakhs for maintaining a Single Hospital Bed at Ramakrishna Mission Tuberculosis Sanatorium, Tupudana, Ranchi, Jharkhand.



2. Financial Assistance of Rs. 19.80 Lakhs for installation of a High Frequency 100



mA X-Ray machine with computerized Radiography [CR] system to Ramakrishna Mission Tuberculosis Sanatorium, Tupudana, Ranchi, Jharkhand.

3. Financial Assistance of Rs. 16.90 lakhs to K.C. Roy Memorial Charitable Hospital for the following medical equipments:
 - a. Multi-Para Monitor – 3 nos.
 - b. Syringe Pump – 1 no.
 - c. Infusion Pump – 1 no.
 - d. Auto refractometer – 1 no.
 - e. Anesthesia Work Station – 1 no.
 - f. Patient's beds/attendant bed – 22 nos.
 - g. Bed side locker – 10 nos.
 - h. Stretcher/ Medicine Trolley –3 nos.
 - i. I.V. Stand Rod – 16 nos.



4. Distribution of 4 nos. of old usable steel almirahs to K. C. Roy Memorial Charitable Hospital, Ranchi

[d] Skill Development / Women Empowerment:

CMPDI started women empowerment initiative by providing the skill development programme to the women, keeping in view protecting the downtrodden and neglected women in the society.

1. Distribution of 6 nos. of Sewing Machine and Training provided by the Usha International Limited to Hatma village women's under CMPDI's CSR Initiatives:



2. Distribution of woolen blankets (175 nos.) to the poor villagers of Patragonda village, Kanke Road, Ranchi, Jharkhand.



3. Sponsorship of 10 nos. of blind girls of Braj Kishore Netraheen Balika Vidyalaya, Ranchi for skill development training programme for a period of 1 year.

[e] Drinking Water

- 1 Drilling and Installation of borewell at Kosala Village, Orissa

[f] Sports

1. Financial Assistance of Rs. 25000 for organizing Football tournament at Gramin Utthan Sansthan, Ranchi

[g] Swachh Bharat Abhiyan:

- 1 Distribution of Dustbin in 4 different schools of Bilaspur, Chattisgarh by CMPDI RI-V, Bilaspur
 - Government Higher Secondary Boys Charkabhata

- Government Higher Secondary Girls Charkabhata
- Government Middle School Khamtarai
- Government Middle School Nagpura

2. Distribution of five nos. of Dustbins at Adivasi Vikas Bal Vidhyalaya, Gadhdipa, Sarsa, Block Lapung, Ranchi, Jharkhand

[h] Sustainability:

Integrated efforts and programs are yielding expected results in sustained development and expansion of Company activities.

1. Construction of Rain water Harvesting System at CMPDI colony, Singrauli by CMPDI, Regional Institute-VI, Singrauli.
2. Energy conservation by replacing conventional lights by LED lights (60 nos.) at CMPDI Regional Institute-V colony, Bilaspur.
3. Payment of training bill & plant commissioning after completion of warranty period (i.e after 12 months from the date of installation).

[i] Seminar/ Conclave:

- 1 Payment of Rs. 50000/- to participate in Caring Jharkhand: A CSR conclave 2015 organised by Telegraph, Ranchi

[j] Expenditure incurred on CSR & Sustainability account (2014-15):

The expenditure incurred on CSR & sustainability account during 2014-15 was to the tune of Rs. 1.81 crores against the total budget of Rs. 2.0 crores. The expenditure incurred during 2013-14 was Rs. 2.01 crores. The details of expenditure on CSR was Rs. 1.68 crores and are placed in the addendum - XI.

15.0 Performance of Memorandum of Understanding of CMPDIL for the year 2014-15.

For every financial year CMPDIL enters into a MoU with Coal India Limited to set various parameter for physical and financial performances. The achievements are graded on a scale of 1-5; excellent being the grade 1.0 to 1.5 and poor as 4.51 to 5.0. For the year 2013-2014, CMPDIL has been graded as Excellent (1.395) where as it was 1.11 for the year 2012-13.

16.0 Activities of Forum of Women in Public Sector (WIPS), CMPDI in the year 2014-15

Overview

WIPS, CMPDI (under the aegis of SCOPE) was in hibernation for more than a decade. After its revival in 2009, CMPDI as an organization registered as a corporate member of this Forum in 2010 and the new Management Committee came into effect from June 2012, under the new leadership entrusted upon Ms. Suchandra Sinha, Senior Manager (E&M) as Co-ordinator, WIPS, CMPDI. The Forum has achieved new heights in contributing to the organizational goals of the company, with the co-operation and blessings of CMPDI Management.

Achievement highlights of WIPS, CMPDI in the year 2014-15 .

1. General rules of conduct for women employees with special focus on dress code to be self adopted in office by all employees were discussed and lack of certain basic amenities like clean toilets with requisite labels on the toilet doors & availability of basic facilities, common room and crèche required for the members was expressed. The resolutions were conveyed to CMPDI Management and partially followed up.
2. The new committee took over with a membership of 86 women employees (22

executives & 64 non-executives) i.e. only 5.5% of the total workforce. Embarked upon an energetic new membership drive, 122 new members added bringing the total WIPS membership in CMPDI to 208 women employees (53 executives & 155 non-executives), despite induction of new women force into the company after long, only 5.5% of the total workforce. WIPS ER won the “Highest Membership Award” at the WIPS National Meet 2014 held at Kolkata where CMPDI was the highest contributor

3. The Forum has taken up the following activities under the CSR approved Project titled “Project Swawalambi” for employment generation of self-help group for women, adult literacy and child development in Hatma Basti, Kanke Road, Ranchi (to be facilitated and conducted by WIPS Cell, CMPDI)
 - Conducting remedial classes for around 40 underprivileged children (between 5-15 years of age) from Hatma Basti (who are already studying in schools but cannot afford private tuitions) by employees of CMPDI using the infrastructure of Gondwana School, CMPDI campus on Saturday and Sunday for 1-2 hours. WIPS has motivated around 20 employees of the company for this voluntary service. This endeavour began in January 2014 and WIPS’ efforts has helped sustain this mission for over a year till date. Study materials, food items and daily use articles were distributed to inculcate habits of cleanliness from time to time from personal contributions throughout the year.
 - Conducting adult literacy classes for the illiterate women of “Hatma Mahila

Sangharsh Sansthan” by employees of CMPDI, same time & place as above with basic study materials from personal contributions.

- CMD, CMPDI, Shri A.K,Debnath & Smt. Nilanjana Debnath along with all Directors, Regional Director/Nodal Officer CSR & HoDs present gave away three (3) fully automatic sewing machines to the underprivileged women of Hatma Mahila Sangharsh Sansthan on 08.08.14
 - Forum facilitated, conducted, monitored and successfully completed authorised and certified training in stitching and sewing to four (4) women in CMPDI office campus itself, 5 days a week for 3 months for skill development & employment generation from October’14 to March’15
 - The finished products were displayed at WIPS stall on Coal India Foundation Day celebrations held at CMPDI in Nov’14, where orders worth Rs. 10,000 were received and goods later delivered, a huge motivation. Smt. Nilanjana Debnath was their first prized customer, an inspiration behind this WIPS endeavour!
 - Kasturi Mahila Sabha, CMPDI placed an order of around Rs. 12,000 for their annual gift to all members that was successfully executed and delivered by the Hatma Basti women
4. Forum celebrated “Women Empowerment Day” on 20.10.14 with Smt. Nilanjana Debnath appreciating the products prepared by the women, motivating them
 5. Members of the Forum have voluntarily adopted girl children in Gondwana School,

(patronised by CMPDI Management) for payment of annual fees and caring for their needs from time to time.

6. Hindi Diwas, Vigilance Awareness, Sports

- Hindi month observed in Sept 2014 & awards won by WIPS members in essay writing, slogan writing, poetry
 - Vigilance Awareness week observed in last week of Oct 2014, awards won by WIPS members in slogan writing and extempore speech competition
 - Sports Awards were won in Inter RI tennis and badminton tournaments by WIPS members in September and October 2014.
7. CIL Foundation Day” celebrations, 5.11.14
 - Co-ordinator, WIPS chalked out the activities of the Forum, congratulated all employees and thanked the CMPDI Management for their continued support
 - Counter put up at the venue exhibiting the products prepared by the women of Proj Swawalambi was well visited and their samples received orders worth Rs. 10,000 after one and half months of successful training organised and monitored by the Forum
 - Members of the Forum received Excellence Awards for innovation in installation of solar microgrid, paper recycling plant and environment accreditation
 8. 2nd issue of WIPS, CMPDI Newsletter “Aarohan” released on 5.11.14 during above function
 9. Seminars and Meetings outside CMPDI attended by WIPS members of CMPDI chapter are:

- WIPS National Meet on 11th & 12th February 2015 at Vigyan Bhawan, New Delhi, attended by 5 delegates
- Annual Seminar” and “Coordinator’s Meet” of WIPS, organized by CIL(HQ) on 4th & 5th of July, 2014 at Kolkata
- Meeting of “Regional Executive Body” of WIPS (Eastern Chapter) for all PSUs in Eastern India at Kolkata, on 3 occasions attended by Co-ordinator, WIPS, CMPDI

10. WIPS Cell, CMPDI awarded “Best Enterprise Award” at NALCO, Bhubaneswar

- Participated in the WIPS Regional Meet of all Eastern Region PSUs at NALCO, Bhubaneswar on 05.12.14 with a 15 member delegation from CMPDI(HQ), Ranchi, Regional Institute (RI) 3, Ranchi, RI6, Singrauli & RI7, Bhubaneswar, led by Suchandra Sinha and Dr. Shilpi Swaroop.
- Meet was inaugurated by CMD, NALCO Sri Ansuman Das, Director Commercial, NALCO, Smt. Soma Mandal, President, WIPS ER, Smt. Amita Saha from MSTC, Secy, WIPS ER, Smt. Sanchita Banerjee, Chief Engineer, Oil India, Duliajan and Coordinators of all Eastern Region PSUs.

- The sessions on the theme “Women in pursuit of “Swachh Bharat” and panel discussions were very enlightening
- CMPDI also received “Best Enterprise Award” from CMD, NALCO in the Mini Ratna category, a proud moment for the company as CMPDI received two awards in two consecutive years. The award was handed over to CMD, CMPDI, Sri A. K. Debnath in his office on 10.12.14

11. WIPS Activity Round-up of the CMPDI Regional Institutes (RIs) in the year 2014-15

The WIPS representatives of all the 7 RIs have been very active and their co-operation has helped WIPS Forum, CMPDI stabilize under a common umbrella with the blessings of CMPDI Management in the CMPDI HQs as well as the co-operation of all our respected Regional Directors. The WIPS representatives energetically took on the membership drive to take almost all their women employees under the folds of the Forum so that they may all be addressed and their potential gainfully utilized in the interests of the organizational goals. WIPS representatives have helped strengthen the WIPS network between the Head quarters and all RIs constructively that has increased interaction, sharing of issues and communication gateways have opened up.

Photos of Activities of Forum of Women in Public Sector (WIPS), CMPDI in the year 2014-15



“Project Swawalambi” & Role of WIPS: Sewing Machines being distributed to Hatma Basti women for certified training intended at skill development and employment generation

Won awards in Vigilance Awareness Week, Hindi Diwas and Sports



CIL Foundation Day Celebrations, Exhibits of “Project Swawalambi” & Release of WIPS CMPDI Newsletter



Excellence Awards conferred on WIPS members during CIL Foundation Day Celebrations in CMPDI

SCOPE “Best Enterprise Award” given to WIPS, CMPDI at Regional Meet by CMD, NALCO, Bhubaneswar



17.0 DIRECTOR'S RESPONSIBILITY STATEMENT:

- 17.1 In the preparation of the annual accounts, the applicable accounting standards had been followed along with proper explanation relating to material departures.
- 17.2 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.
- 17.3 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.
- 17.4 The Directors had prepared the Annual Accounts on a going concern basis.



- 17.5** The Directors confirmed that they had devised proper system to ensure compliance with the provisions of all applicable laws and that such systems were adequate and operating effectively.

AUDITORS :

On the advice of the comptroller and Auditor General of India M/s K.C. Tak & Co., Chartered Accountants, Ranchi were appointed as Auditors of the Company for the financial year 2014-15. They were also appointed Tax-Auditors for the year U/S 44 (AB) of the Income- Tax Act, 1961. They were also appointed Jharkhand VAT Auditors and MOU Auditors for the year 2014-15.

ACKNOWLEDGEMENT :

Your Directors are grateful to the Government of India particularly the Ministry of Coal, Coal India Ltd., and its Subsidiaries, State Governments and other Public Sector Undertakings with whom your Company has to work in close contact for their co-operation and encouragement in fulfilling the tasks of the Company. We are thankful to our esteemed clients for the confidence reposed in us and the patronage extended to us and to the dedicated employees of the company.

ADDENDUM :

Information as required to be given in the Directors' Report under Section 134(3) (m) of the Companies Act, 2013 on *conservation of energy, technology absorption and foreign exchange earning 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 2014-15 , 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

Place : Ranchi
Date : 22.06.2015

Sd/-
(A. K. Debnath)
Chairman-cum-Managing Director

Addendum 1

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 earnings and outgo.

A. CONSERVATION OF ENERGY

CMPDI has undertaken energy conservation studies in 2014-15 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 BEE accredited Energy Auditors.

In Diesel Benchmarking studies conducted in various coalfields of CIL, following broad heads are adopted for diesel conservation:

1. Identification & Minimization of leakage and adopting preventive maintenance measures for HEMM deployed
2. Speed optimization of HEMM considering haul road conditions
3. Time study to minimize idle hours and preventing unnecessary movement of HEMM
4. Comparison with CMPDI 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
- viii. Energy conservation measures for HEMM

Energy Audit and Energy Benchmarking studies conducted by BEE accredited Energy Auditors, please refer table as given below:

Energy Conservation initiatives taken up by CMPDI for the year 2014-15

Sl No.	JOB Description	Proposed Investment (in lakh)	Proposed Saving Potential
Energy Audit and Benchmarking studies carried out by CMPDI (HQ) in 2014-15			
A . Diesel Audit and Benchmarking			
1.	Annual benchmarking of 14 OCPs identified by CCL	-	1778 K Litre/yr
2.	Annual benchmarking of 03 OCPs identified by SECL	-	2284 K Litre/yr
3.	Annual benchmarking of 08 OCPs identified by NCL	-	4493 K Litre/yr
4.	Annual benchmarking of 12 OCPs identified by MCL	-	2203 K Litre/yr
5.	Annual benchmarking of 14 OCPs identified by BCCL	-	1774 K Litre/yr
6.	Annual benchmarking of 09 OCPs identified by ECL	-	1640 K Litre/yr
7.	Annual benchmarking of 17 OCPs identified by WCL	-	3605 K Litre/yr
8.	Diesel Audit & Benchmarking of Umrer OCP	-	89.5 K Litre/yr
9.	Diesel Audit & Benchmarking of Swang OCP	-	269 K Litre/yr
10.	Diesel Audit & Benchmarking of Amlo OCP	-	141.4 K Litre/yr
11.	Detailed Diesel Audit & Benchmarking of SDQ-3 OCP	-	142 K Litre/yr
B. Electrical Energy Audit and Benchmarking			
1.	Electrical Energy Audit and Benchmarking of AkashKinari Colliery of Govindpur Area	26.99	26.69 lakh/yr
2.	Electrical Energy Audit and Benchmarking of Rajrappa OCP	62.42	51.68 lakh/yr
3.	Electrical Energy Audit and Benchmarking of Amlohri OCP	43.17	102.51 lakh/yr
4.	Electrical Energy Audit and Benchmarking of Khadia OCP	15.82	90.75 lakh/yr
5.	Electrical Energy Audit and Benchmarking of Piparwar OCP	27.74	201.92 lakh/yr
6.	Electrical Energy Audit and Benchmarking of Ashoka OCP	44.82	25.5 lakh/yr
7.	Electrical Energy Audit and Benchmarking of KDH OCP	103.74	202.93 lakh/yr
8.	Electrical Energy Audit and Benchmarking of Lingraj OCP	10.56	57.67 lakh/yr

B) Technology absorption

i) Installation of LED light fitting in CMPDI

Sl. No.	Place	Installed LED Fittings
1	CMPDI, HQ	40 Watt-64 Nos. 60 Watt-46 Nos. 8 Watt-30 Nos.
	Sub-Total	5.56 kW
2	CMPDI, RI-I	Indoor type 40 Watt-18 Nos. Indoor type 15 Watt-30 Nos. LED tube light 20 Watt-6 Nos.
	Sub-Total	1.29 kW

3	CMPDI, RI-II	Indoor type 9-12 Watt LED fixtures- 59 Nos.
	Sub-Total	0.59 kW
4	CMPDI, RI-V	90 Watt LED Street light-75 Nos.
	Sub-Total	6.75 kW
5	CMPDI, RI-VI	25 Watt-90Nos.
	Sub-Total	2.25 kW
6	CMPDI, RI-VII	Street light of 25 Watt-35 Nos.
	Sub-Total	0.875 kW
Total		17.315 kW

Total Installed capacity of LED light fixture in CMPDI is 17.315 kW.

ii) Roof top Solar Plant of 200kW Capacity in CMPDI Campus has been installed with following salient features:

Date of Installation: 1st Sept 2014

Capacity of the Solar Plant : 190.8 kW (Peak)

Total Cost: Rs. 194 Lakh

Area Required: 2400 Sqm.

Solar Panel is guaranteed for 25 years

Per Unit generation cost:

Rs. 8.30 (Considering life of plant as 12 years)

Rs. 6.38 (Considering life of plant as 16 years)

Estimated Annual generation: 1.95 Lakh Unit.

Average daily generation: 795 Unit (Recorded in the month of March)

Saving in carbon di oxide (CO₂) generation in atmosphere: 1.65 lakh Kg/ Annum

Total saving from 01.10.14 to 02.04.15: 113550 Units

Average monthly saving: Rs. 102195.00

C. FOREIGN EXCHANGE EARNING AND OUTGO

Sl.No.	Particulars	2014-15
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 lakh) B. Total foreign exchange used (Rs.in lakh) (Revenue 631+ Imports Capital goods 604)	NIL 1235 Lakh

RESEARCH AND DEVELOPMENT AND TECHNOLOGY ABSORPTION

- (i) An R&D project titled “Design, develop and demonstrate a Micro-Grid system for optimization and control of multiple source of power supply” is under implementation by CMPDI, Ranchi and Gujarat Energy Research and Management Institute (GERMI), Gujarat. Total approved cost of the project is Rs. 351.30 lakh (CMPDI, Ranchi- Rs. 33.80 lakh and GERMI, Gujarat- Rs. 317.50 lakh).

The solar photovoltaic plant has been commissioned on the roof tops of CMPDI office buildings. The total installed capacity of the plant is around 191kW, which is at present generating 30% of total installed capacity. Two types of technologies, one with string inverter and another with micro inverter have been adopted in installing the plant. Under this project, conventional grid (utility supply) clubbed with solar PV system and DG sets through grid interactive inverters to feed to internal grid (CMPDI) whenever utility grid (JSEB) supply is not available.

The diesel consumption for running the generators can also be reduced substantially. Further, CO₂ emissions into the atmosphere will also be reduced by generating this clean energy. The total life of the plant is about 25 years and required a very little maintenance. Approximate generation cost of 1 unit of solar energy is about Rs. 6.0 which is much cheaper than the energy generated through Gen sets. Success of this project can be replicated in other subsidiaries of CIL.

- (ii) An S&T project titled “Development of Indigenous catalyst through pilot scale studies of Coal-to-Liquid (CTL) conversion technology” is under implementation by CMPDI, Ranchi and CIMFR, Dhanbad. Total approved cost of the project is Rs. 860.44 lakh (CMPDI, Ranchi- Rs. 116.90 lakh and CIMFR, Dhanbad - Rs. 743.54 lakh).

The project aims to develop indigenous catalysts for conversion of Coal to Liquid (CTL). A pilot plant is under erection at CIMFR, Digwadih Campus, Dhanbad for testing of the catalysts developed. The outcome of the project will lead to eliminate the dependence on technology provider for supply of catalysts during Coal to Liquid (CTL) conversion.

Technology absorption:

The R&D in coal sector is mainly for improvement of efficiency parameters in mining operations including mine safety and related activities like coal beneficiation/utilization and also on control of mine 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.

During the year 2014-15, in this direction, two research projects have been completed and one is under implementation. Details of the projects are as follows:

- (i) **Self Advancing (Mobile) Goaf Edge Supports (SAGES) for depillaring operations in underground coal mines.**

Under this project, Self-Advancing (Mobile) Goaf Edge Supports (SAGES) have been developed so as to avoid the labour intensive and time consuming process in erecting wooden chocks and props at goaf edges for protection of roof during depillaring operations. These self-propelled mobile supports of medium duty (2 x 200 Te.) has closed and extended height range of 1.85 to 3.2 m and can offer support resistance of 71.4 t/m².

The cost of the indigenously developed Goaf Edge Support unit works out to Rs. 20.0 lakhs (approx.), which is much cheaper than the imported ones with the similar features. The supports were put into field trial successfully at Bastakocola Colliery of BCCL.

Total approved cost of the project is Rs. 197.75 lakh (ISM, Dhanbad - Rs. 62.10 lakh and M/s JBEPL, Hyderabad- Rs. 135.65 lakh).

(ii) Indigenous Development of integrated dumper collision avoidance system for opencast mines

To ensure the safety of human life and to protect loss of equipment due to collision of dumpers in opencast mines, Dumper Collision Avoidance System (DCAS) has been developed indigenously under R&D funding. The system is now in operation at KDH opencast mine of Central coalfields Limited (CCL). This three layer system consists of proximity sensors mounted on dumpers on three sides to detect objects within 10m range, distance and direction information of dumpers present in the vicinity of 100m and also positional information of the dumper through GPRS.

This is the first time that such an integrated cost-effective dumper safety system with such features has been developed in India, which is not readily available in the International market.

Total approved cost of the project is Rs. 354.51 lakh (CMPDI, Ranchi- Rs. 60.00 lakh and BEL, Panchkula- Rs. 294.51 lakh).

(iii) Development of tele robotics and remote operation technology for underground coal mines.

The project is under implementation by CMPDI, Ranchi, CMERI, Durgapur and CIMFR, Dhanbad. The project aims to develop tele-robot on-line continuous monitoring system for various mine parameters related to underground mine environment and roof strata.

Total approved cost of the project is Rs. 440.12 lakh (CMPDI- Rs. 63.00 lakh, CMERI, Durgapur Rs. 251.57 lakh and CIMFR, Dhanbad - Rs. 125.55 lakh).

Addendum II

CEO AND CFO CERTIFICATION

To

The Board of Directors

Central Mine Planning & Design Institute Limited

We, A. K. Debnath, Chairman-cum-Managing Director and D. K. Rao, General Manager (Finance), responsible for the finance function certify that:

- a. We have reviewed financial statements and the cash flow statement for the year ended 31st March, 2015 and that to the best of our knowledge and belief :
 - i. these statements do not contain any materially untrue statement or omit any material fact or contain statements that might be misleading;
 - ii. these statements together present a true and fair view of the company's affairs and are in compliance with existing accounting standards, applicable laws and regulations.
- b. To the best of our knowledge and belief, no transaction entered into by the company during the year ended 31st March, 2015 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 quarter under reference;
 - ii. There has not been any significant changes in accounting policies during the year; and
- iii. We are not aware of any instance of significant fraud with involvement therein of the management or an employee having a significant role in the company's internal control system over financial reporting.

Sd/-

(D. K. Rao)

General Manager (Finance)

Sd/-

(A. K. Debnath)

Chairman-cum-Managing Director

Addendum- III

Form No. MGT-9
EXTRACT OF ANNUAL RETURN
as on the financial year ended on 31.03.2015

[Pursuant to section 92(3) of the Companies Act, 2013 and rule 12(1) of the Companies (Management and Administration) Rules, 2014]

I. REGISTRATION AND OTHER DETAILS:

- i. CIN: **U14292JH1975GOI 001223**
- ii. Registration Date: 01.11.1975
- iii. Name of the Company: CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED
- iv. Category / Sub-Category of the Company : MINI RATNA
- v. Address of the Registered office and contact details : GONDWANA PLACE , KANKE ROAD, RANCHI, JHARKHAND- 834031
- vi. Whether listed company Yes / No : No
- vii. Name, Address and Contact details of Registrar and Transfer Agent, if any. N.A

II. PRINCIPAL BUSINESS ACTIVITIES OF THE COMPANY

All the business activities contributing 10 % or more of the total turnover of the company shall be stated:-

Sl. No.	Name and Description of main products / services	NIC Code of the Product/ service	% to total turnover of the company
1	MINE PLANNING & DESIGN	NOT PPLICABLE	30.42
2	GEOLOGY & DRILLING	NOT PPLICABLE	65.59
3	NATURAL RESOURCE MANAGEMENT AND FIELD SERVICES	NOT PPLICABLE	3.99

III. PARTICULARS OF HOLDING, SUBSIDIARY AND ASSOCIATE COMPANIES -

SL. NO	NAME AND ADDRESS OF THE COMPANY	CIN/GLN	HOLDING/ SUBSIDIARY / ASSOCIATE	% of shares held	Applicable Section
1	COAL INDIA LTD.	L23109WB1973GOI028844	HOLDING	100 %	92(1)(a)

IV. SHARE HOLDING PATTERN (Equity Share Capital Breakup as percentage of Total Equity)
i) Category-wise Share Holding

Category of Shareholders	No of Shares held at the beginning of the year				No of Shares held at the end of the year				% Change during the year
	Demat	Physical	Total	% of Total Shares	Demat	Physical	Total	% of Total Shares	
A Promoters									
1. Indian									
a. Individual/ HUF	-	-	-	-	-	-	-	-	-
b. Central Govt (s)	-	-	-	-	-	-	-	-	-
c. State Govt (s)	-	-	-	-	-	-	-	-	-
d. Bodies Corp.	NIL	190400	190400	100%	NIL	190400	190400	100%	NIL
e. Banks / FI	-	-	-	-	-	-	-	-	-
f. Any Other	-	-	-	-	-	-	-	-	-
Sub- Total (A) (1) :	NIL	190400	190400	100%	NIL	190400	190400	100%	NIL

2. Foreign									
a. NRIs - Individuals	-	-	-	-	-	-	-	-	-
b. Other – Individuals	-	-	-	-	-	-	-	-	-
c. Bodies Corp.	-	-	-	-	-	-	-	-	-
d. Banks / FI	-	-	-	-	-	-	-	-	-
e. Any Other	-	-	-	-	-	-	-	-	-
Sub- Total (A) (2) :	-	-	-	-	-	-	-	-	-
Total shareholding of Promoter	NIL	190400	190400	100%	NIL	190400	190400	100%	NIL
(A) = (A)(1)+(A)(2)									

B. Public									
Shareholding									
1. Institutions									
a. Mutual Funds	-	-	-	-	-	-	-	-	-
b. Banks / FI	-	-	-	-	-	-	-	-	-
c. Central Govt.	-	-	-	-	-	-	-	-	-
d. State Govt.	-	-	-	-	-	-	-	-	-
e. Venture Capital Funds	-	-	-	-	-	-	-	-	-
f. Insurance Companies	-	-	-	-	-	-	-	-	-
g. FIIs	-	-	-	-	-	-	-	-	-
h. Foreign Venture Capital Funds	-	-	-	-	-	-	-	-	-
i. Others (specify)	-	-	-	-	-	-	-	-	-
Sub- Total (B) (1) :	-	-	-	-	-	-	-	-	-

2. Non Institutions									
a) Bodies Corp.									
i. Indian									
ii. Overseas									
b) Individuals									
i. Individual shareholders holding nominal share capital upto Rs. 1 lakh	-	-	-	-	-	-	-	-	-
ii. Individual shareholders holding nominal share capital in excess of Rs. 1 lakh	-	-	-	-	-	-	-	-	-
c. Others (specify)	-	-	-	-	-	-	-	-	-
Sub- Total (B) (2) :	-	-	-	-	-	-	-	-	-
Total Public shareholding (B) = (B)(1)+(B)(2)	-	-	-	-	-	-	-	-	-
C. Shares held by Custodian for GDRs & ADRs	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Grand Total (A+B+C)	NIL	190400	190400	100%	NIL	190400	190400	100%	NIL

(ii) Shareholding of Promoters

Sl No.	Shareholder's Name	Shareholding at the beginning of the year			Share holding at the end of the year			
		No. of Shares	% of total Shares of the company	% of Shares Pledged / encumbered to total shares	No. of Shares	% of total Shares of the company	% of Shares Pledged / encumbered to total shares	
1	COAL INDIA LTD.	190400	100%	--	190400	100%		NO CHANGE
	Total	190400	100%	-	190400	100%		No Change

III. Change in Promoters' Shareholding (please specify, if there is no change)

SL No.		Shareholding at the beginning of the year		Cumulative Shareholding during the year	
		No. of shares	% of total shares of the company	No. of shares	% of total shares of the company
	At the beginning of the year	190400	100%	190,400	100%
	Date wise Increase / Decrease in Promoters Share holding during the year specifying the reasons for increase / decrease (e.g. allotment / transfer / bonus/ sweat equity etc):	No Change	No Change	No Change	No Change
	At the End of the year	190400	100%	190,400	100%

IV Shareholding Pattern of top ten Shareholders (other than Directors, Promoters and Holders of GDRs and ADRs):

SL. No.		Shareholding at the beginning of the year		Cumulative Shareholding during the year	
		No. of shares	% of total shares of the company	No. of shares	% of total shares of the company
	For Each of the Top 10 Shareholders				
	At the beginning of the year	-	-	-	-
	Date wise Increase / Decrease in Share holding during the year specifying the reasons for increase / decrease (e.g. allotment / transfer / bonus / sweat equity etc):	-	-	-	-
	At the End of the year (or on the date of separation if separated during the year)	-	-	-	-

V. Shareholding of Directors and Key Managerial Personnel:

SL. No.		Shareholding at the beginning of the year		Cumulative Shareholding during the year	
		No. of shares	% of total shares of the company	No. of shares	% of total shares of the company
	For Each of the Directors and KMP				
	At the beginning of the year	1	0	1	0
	Date wise Increase / Decrease in Share holding during the year specifying the reasons for increase / decrease (e.g. allotment / transfer / bonus/ sweat equity etc):	-	-	-	-
	At the End of the year	1	0	1	0

V. INDEBTEDNESS**Indebtedness of the Company including interest outstanding/accrued but not due for payment**

	Secured Loans excluding deposits	Unsecured Loans	Deposits	Total Indebtedness
Indebtedness at the beginning of the financial year	NIL	NIL	NIL	NIL
i) Principal Amount	NIL	NIL	NIL	NIL
ii) Interest due but not paid	NIL	NIL	NIL	NIL
iii) Interest accrued but not due	NIL	NIL	NIL	NIL
Total (i+ii+iii)	NIL	NIL	NIL	NIL
Change in Indebtedness during the financial year				
• Addition	NIL	NIL	NIL	NIL
• Reduction				
Net Change	NIL	NIL	NIL	NIL
Indebtedness at the end of the financial year	NIL	NIL	NIL	NIL
i) Principal Amount	NIL	NIL	NIL	NIL
ii) Interest due but not paid	NIL	NIL	NIL	NIL
iii) Interest accrued but not due	NIL	NIL	NIL	NIL
Total (i+ii+iii)	NIL	NIL	NIL	NIL

VI. REMUNERATION OF DIRECTORS AND KEY MANAGERIAL PERSONNEL
A. Remuneration to Managing Director, Whole-time Directors and/or Manager:

Sl. No.	Particulars of Remuneration	Name of MD/WTD/ Manager					Total Amount
		Shri Amal Kumar Debnath	Shri Shekhar Saran	Shri V.K. Sinha	Shri Dilip Kumar Ghosh	Shri Rajesh Kumar Chopra	
1.	Gross salary	1899732	1754925	1611024	1780512	1755345	8801538
a.	Salary as per provisions contained in section 17(1) of the Income-tax Act, 1961						
b.	Value of perquisites u/s 17(2) Income-tax Act, 1961	443152	391500	343073	396995	408000	1982720
c.	Profits in lieu of salary under section 17(3) Incometax Act, 1961	-	-	-	-	-	-
2.	Stock Option	-	-	-	-	-	-
3.	Sweat Equity	-	-	-	-	-	-
4.	Commission as % of profit others, specify...	-	-	-	-	-	-
5.	Others, please specify (CMPF Employers' contribution)	263394.00	244521.00	209776	247020.00	245745.00	1210456.00
	Total (A)	2606278.00	2390946.00	2163873	2424527.00	2409090.00	11994714
	Ceiling as per the Act						27500000

B. Remuneration to other directors:

Sl. No.	Particulars of Remuneration	Name of Directors			Total Amount
		Shri Rakesh Kumar Mittal	Shri D.N.Prasad	Shri N.Kumar	
1.	Independent Directors	-	-	-	-
	·Fee for attending board committee meetings	120000.00			120000.00
	·Commission	120000.00			120000.00
	·Others, please specify COMMITTEE MEETINGS				
	Total (1)	240000.00	NA	NA	240000.00
2.	Other Non-Executive Directors	-	-	-	-
	·Fee for attending board committee meetings	-	-	-	-
	·Commission	-	-	-	-
	·Others, please specify	-	-	-	-
	Total (2)	-	-	-	-
	Total (B)=(1+2)	240000.00	-	-	240000.00
	Total Managerial Remuneration	-	-	-	12234714
	Overall Ceiling as per the Act	-	-	-	27500000

C. REMUNERATION TO KEY MANAGERIAL PERSONNEL OTHER THAN MD/MANAGER/WTD

Sl. No.	Particulars of Remuneration	Key Managerial Personnel			
		CEO	Company Secretary	CFO	Total
1.	Gross salary	1899732.00	1543998.00	1739630.00	5183360.00
	(A) Salary as per provisions contained in section 17(1) of the Income-tax Act, 1961				
	(B) Value of perquisites u/s 17(2) Income-tax Act, 1961	443152.00	360360.00	393828.00	1197340.00
	(C) Profits in lieu of salary under section 17(3) Income-tax Act, 1961	-	-	-	-

2.	Stock Option	-	-	-	-
3.	Sweat Equity	-	-	-	-
4.	Commission as % of profit others, specify...	-	-	-	-
5.	Others, please specify (CMPF Employers' contribution)	263394.00	84878.00	241032.00	589304.00
	Total	2606278.00	1989236.00	2374490.00	6970004.00

VII. PENALTIES / PUNISHMENT/ COMPOUNDING OF OFFENCES:

Type	Section of the Companies Act	Brief Description	Details of Penalty / Punishment/ Compounding fees imposed	Authority [RD / NCLT / COURT]	Appeal made, if any (give Details)
A. COMPANY					
Penalty	NIL	-	-	-	-
Punishment	NIL	-	-	-	-
Compounding	NIL	-	-	-	-
B. DIRECTORS					
Penalty	NIL	-	-	-	-
Punishment	NIL	-	-	-	-
Compounding	NIL	-	-	-	-
C. OTHER OFFICERS IN DEFAULT					
Penalty	NIL	-	-	-	-
Punishment	NIL	-	-	-	-
Compounding	NIL	-	-	-	-

Addendum IV**Auditor's Report on Compliance of conditions of Corporate Governance****CORPORATE GOVERNANCE CERTIFICATE**

CIN of the Company	:	U14292JH1975GOI001223
Nominal Capital	:	500,000,000.00 (Rupees Fifty Crores only)
Paid up Capital	:	190,400,000.00 (Rupees Nineteen Crores Four Lakh only)

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

We have examined the compliance of conditions of Corporate Governance by **Central Mine Planning & Design Institute Limited** (the "Company") for the year ended **31st March, 2015**, as stipulated in the Department of Public Enterprises (DPE) Guidelines 2010 on Corporate Governance for Central Public Sector Enterprises. Our examination along with the observations has been elaborated in the points below:-

1. The Compliance of the conditions of Corporate Governance is the responsibility of the 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 was limited to procedures and implementation thereof, adopted by the Company for ensuring the compliance of the conditions 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. The Company has taken steps for reviewing of Compliance of laws and the standards issued for ensuring of the good governance practices in line with the provisions of the Companies Act, 2013 and the various modules and standards issued by The Institute of Company Secretaries of India in this regard.
3. In our opinion and to the best of our information and according to the explanations given to us, subject to our observations, we certify that the Company has complied with the conditions of Corporate Governance except to the provisions related to composition of the Board of Directors and Audit Committee, basically relating to the Independent Directors.
4. We 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 Satish Kumar & Associates

Sd/-**Satish Kumar**

Compan Secretary

C. P. No: 9788

ACS No: 25228

Date : 15/05/2015

Place : Ranchi

Addendum V

Statutory Auditor's Report and replies of management

AUDITORS OBSERVATIONS	MANAGEMENT REPLY
1. Refer to Note no. 15- "Inventories", forming part of the Financial Statements regarding provision for obsolete items (Account head no. 890101) of Rs. 0.41crores (Previous Year Rs. 0.42 crores), technical audit/assessment of old, slow-moving, non-moving, damaged and unserviceable inventories of items of charged off stores, spares etc. is pending on the reporting date. Further provision may be required on final assessment, if any	Centralized provision for non moving items is made at CDS Barkakana. RIs return the old non moving items which is in excess of their requirement to CDS Barkakana as and when it arises.
2. Refer to Note no. 9 –"Short Term Provisions" and point no. 7.3 of Note no. 34- "Additional Notes to Accounts", forming part of the Financial Statements regarding PRP obligation, liability is pending to be crystallized and PRP obligation has not been sanctioned by the competent authority on the reporting date. The provision for PRP obligation at the year-end was amounting to Rs. 192.50 crores (Previous year Rs. 165.48 crores) is pending for final adjustment.	The PRP provision is made as per advise given by CIL.
3. Refer to Note no. 16 –"Trade Receivable" and point no. 3.1.2 of Note no. 34- "Additional Notes to Accounts" forming part of the Financial Statements regarding an amount of Rs. 239.14 crores (Previous year – Rs. 201.18 crores) is outstanding to be recovered from debtors includes items pending to be analyzed/adjusted/linked up or to be recovered and resulting adjustments, if any.	Debtors collection/adjustment is a continuous process. About 83% of Debtors is due by Companies under the same management and are recoverable.
Refer to Note no. 16 –"Trade Receivable", forming part of the Financial Statements, Debtors includes reconciliations pending on account of TDS deducted from bills, from time to time, have not been transferred to TDS account(account code- 350016) and adjustments, if any.	At the first instance TDS identification (from 26AS) has been taken up for immediately preceding three years. Old instances are also identified during the course of this action. Few instances have been identified and after proper verification accountal is/ will be considered e.g. M/s Sharda Minerals and Sasan Power Ltd. The Appeal has been made with CESTAT and hearing is yet to be taken.
Refer to Note no. 18- "Short Term Loans and Advances", forming part of the Financial Statements, Claims Receivables (A/c Code 340003) includes a sum of Rs.0.12 crores (Previous Year Rs. 0.12 crores) pending to be recovered from service tax department against excess payment deposited earlier against Service Tax due to reduction of rate of drilling for non CIL blocks on 22.03.2012 against order of Service Tax Cells, Nagpur.	

6. Refer to Note no. 16/7/12/18 – “Trade Receivables”/“Trade Payables”/“Long Term Loans & Advances”/“Short Term Loans & Advances”, forming part of the Financial Statements, balances standing as on 31st March, 2015 in respect of the debtors, creditors, and loans and advances are subject to confirmation of balances from the parties and consequential adjustment on reconciliation, if any.	In respect to CIL subsidiary Debtors, provision for CMPDI dues are made in their accounts as per details given by us. Disputes are taken care of during reconciliation with them. In case of Debtors letters for confirmation of balances are issued.
7. Refer to Note no. 7/12/18- “Trade Payables”/“Long Term Loans & Advances”/“Short Term Loans & Advances”, forming part of the Financial Statements, balances under the head of creditors and loans and advances includes old items pending to be analyzed/adjusted/linked or recovered and consequential adjustment on reconciliation, if any.	Provision has already been made in the accounts for old items pending to be analysed /adjusted or recovered.
8 Refer to Note no. 12 - “Long Term Loans & Advances”, forming part of the Financial Statements regarding security deposit [A/c code 380006] in respect of RI -V [Bilaspur], it includes a sum of Rs. 0.05 crores (Previous Year Rs. 0.05 crores) pending to be recovered since 30.12.2010 in relation to survey work which was duly completed & informed to the concerned parties.	The company had applied for refund of Security Deposit but has not been granted refund till date. Reminder was also given in the month of April 2015 The matter will be persued with RI-5.
9. TIN registration is pending to be obtained, in respect of RI - I, V & VII as applicable under the relevant State Commercial/ VAT Act required for the purpose of filing the Commercial Tax returns.	RI1 does not require a TIN number as it does not deal with any Sale of Goods. It is already depositing Sales Tax at Source for Works Contract and the enrollment Number is 410000442.Tin registration number has been applied but not yet received by RI5. Regarding RI7 necessary action is in progress
10. Refer to Note no. 18 – “Short Term Loans & Advances”, forming part of the Financial Statements, final reconciliation between ‘service tax paid on bills ledger’ (Account code-350034) and subsidiary records is pending on the reporting date and adjustment, if any.	Corrective Action will be taken
Refer to Note no. 8 – “Other Current Liabilities”, forming part of the Financial Statements, Bond money received from Management Trainees includes cases of such employees who are absent and have not rejoined the company, pending for final assessment on the reporting date.	Legal Action is taken by Personal and Administration Department. Necessary accounting will be done after intimation is received from Personal and Administration Department
Refer to Note no. 24- “Employee Benefit Expenses”, forming part of the Financial Statements regarding contribution to Superannuation Fund at the rate of 6.84% & pension at the rate of 3% on the emoluments of the Executive amounting to Rs. 42.16 Crores & Rs. 18.60 Crores (Previous year Rs. 35.26 Crores & Rs. 15.58 Crores) respectively has been made from time to time up to 31st March, 2015. The company has neither made payment nor has kept such amount in a separate escrow fund account	CIL directives will be obtained for this purpose.

<p>Refer to Point no. 14- Prior period adjustments and prepaid expenses of Note no. 33 – “Significant Accounting Policies”, forming part of the Financial Statements, items of income and expenditure exceeding Rs. 0.10 Crores, applied on each transaction, are only considered as prior-period items. The said accounting policy is not in accordance with generally accepted accounting principles in India as any limit should be considered in aggregate instead of on individual basis for adjustment/disclosure in the financial statements.</p>	<p>As per Coal India Policy any item of income or expenditure exceeding Rs 10 lacs applied on each transaction are only considered as prior period items which is mentioned in Note 33 of Annual Accounts</p>
<p>Refer to Note no. 20 – “Revenue from Operations” & 24 – “Employee Benefit Expenses”, forming part of the Financial Statements, the revenue recognition for sales of services has been done on accrual basis i.e. cut off on 31st March basis whereas Engineering days being considered only up to 20th March and expenses on salary being considered upto 10th March. Any adjustment due to booking ED’s between 21st to 31st March and adjustment due to new employee recruitment / deletion due to retirement and leftouts etc. during the period from 11th to 31st March are not being considered in the current financial year. This is being followed as accounting practice from year to year and is required to be suitably disclosed by way of Notes on accounts.</p>	<p>For disbursement of salary by the end of the concerned month this practice needs to be followed.</p> <p>Engineering days are considered only upto 20th for booking of sales timely. This practice has been followed consistently.</p>
<p>15. Refer to Note no. 34 – “Additional Notes to Accounts-7.2.” to the financial statements, as per information and explanation given to us, the Company is under the process of compiling relevant information to identify the units covered under Micro, Small and Medium Enterprises Development Act, 2006 (“MSMED Act, 2006”). In the absence of finalization of relevant information as such, the same could not be disclosed in terms of disclosure as required under Schedule III of the Companies Act, 2013 and MSMED Act, 2006 and thereby non-compliance of disclosure requirement under the Accounting Standard 1 – “Disclosure of Accounting Policies”.</p>	<p>The company is in the process of compiling relevant information from its suppliers about their coverage under the Act..</p>
<p>16 During the year, the company has incurred expenditure on construction of building on leasehold lands/interest in lands to be used for commercial and residential purposes. As per the provisions of Accounting Standard 6 – ‘Depreciation Accounting’, depreciation on buildings constructed on leasehold land should be worked out on the basis of period of lease agreement subject to maximum of useful life of the building. In the absence of documents of right/title/interest</p>	<p>The cost of leasehold land is depreciated over the lease period, which is renewable and the depreciation on the cost of building is as per the Companies Act 2013.</p>

<p>in land/renewal lease etc. produced before us, it was not possible to ascertain the properness of the accounting treatment of the expenditure incurred as such the quantum of depreciation that has been charged is in line with the Accounting Standard and its consequential impact on the Financial Statements, if any. [Refer to point no. 1.1 of Note no. 34- "Additional Notes to Accounts" forming part of the Financial Statements].</p>	
<p>17. The residual value of surveyed off fixed assets amounting to Rs. 0.68 crores (Previous year Rs. 0.66 crores) have been shown at WDV of the assets instead of being valued at lower of WDV and Net Realizable Value which is not in conformity with Accounting Standard 10 - 'Fixed Assets' and it also includes number of those assets which are pending for disposal since long back. [Refer to Note no. 10A- "Fixed Assets" forming part of the Financial Statements].</p>	<p>The Company will form a committee to determine the Net Realizable Value of Surveyed Off Assets. All the surveyed off items are auctioned through MTSC. Whenever the auction value is more than the reserve value the Surveyed off assets are sold.</p>
<p>18. The company has reported the Segment Revenue and Results and has segregated according to the segments as referred in point no. 13.0 of Note 34- "Additional Notes on Accounts", forming part of the Financial Statements. However, segment wise assets, liabilities, depreciation, capital expenditure and non-cash items have not been disclosed for all the primary segments to comply with the Accounting Standard 17 - 'Segment Reporting'. In our opinion, the same does not give true and fair view of the segment-wise operations of the Company.</p>	<p>The Assets and Liabilities of CMPDI are not divided segmentwise. However necessary factor for distributing the assets segmentwise will be identified</p>
<p>19. The Company has not carried out Techno-economic assessment as on 31 March, 2015 and hence identification of impairment loss and provision thereof, if any, has not been made. In our opinion, the same is not in accordance with Accounting Standard 28 - 'Impairment of Asset'. Pending ascertainment of Impairment loss, if any, and its impact on financial statement could not be commented upon.</p>	<p>No external or internal indicators exist to show that the assets of CMPDI are impaired on the Balance Sheet date.</p>



Addendum VI

Secretarial Auditor's Report and replies of management

SECRETARIAL AUDIT REPORT

For The Financial Year Ended March 31, 2015

Satish Kumar & Associates

Company Secretaries

Flat No. 201, 2nd Floor, Urmila Apartment,

Uddhav Babu Lane, Tharpakhna,

Ranchi- 834001

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E-Mail:- cssatish26@gmail.com/csservices26@gmail.com

PAN:-BGOPK8640M

ST:-BGOPK8640MSD001

[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]

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

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 31st March, 2015 according to the provisions of:

1. The Companies Act, 2013 and the Rules made there under.
2. Secretarial Standards issued by the Institute of Company Secretaries of India.
3. Guidelines on Corporate Governance for Central Public Sector Enterprises, 2010.
4. Other Acts and Laws as applicable on the Company.

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, its Company Secretary 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, with regard to:

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. Contracts, Common Seal, Registered Office and publication of the name of the Company.
4. Filing of requisite forms and returns with the Registrar of Companies, Jharkhand within the time prescribed under the Act and the rules framed there under.
5. Convening and holding of the Meetings of Directors and Committees thereof.
6. Convening and holding of 39th Annual General Meeting of the Members on Thursday, 15th May, 2014 and 9th Extraordinary General Meeting on Friday, 27th March, 2015.
7. Maintenance of Minutes of the proceedings of the Annual General Meeting, Extra-ordinary General Meeting, Board Meetings and Meetings of Committees of the Board, properly recorded in loose leaf form, which are being bound in a book form at regular intervals.
8. Payment of Remuneration to Directors.
9. Alteration of Articles of Association.
10. Appointment and Remuneration of Auditors and Cost Auditors.
11. Transfers and transmission of shares.
12. Composition and terms of reference of the Audit Committee and CSR and Sustainability Committee.
13. Service of Documents by the Company on its Members and Auditors.
14. Deposit of both the employees and employers contribution relating to Provident Fund with the trusts created for the purpose.
15. Generally all other applicable provisions of the Act and the rules made under the Act.

II. We further report that

1. The 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.
2. 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.
3. There was no prosecution initiated and no fines or penalties were imposed on the Company, its Directors and Officers, during the period under review.
4. The Company has complied with the Guidelines on Corporate Governance for Central Public Sector Enterprises, 2010 subject to the provision in relation to composition of Board of Directors and appointment of Independent Directors in the Company.

● **Other Remarks which needs immediate attention are reported as under:-**

- i. The Company has duly complied with the provisions as laid down in the guidelines on Corporate Governance issued by the Department of Public Enterprises, Ministry of Heavy Industries and Public Enterprises except with that of the Composition of Board and Audit Committee, basically relating to Independent Directors.
- ii. The Company has in its board Mr. Nagendra Kumar as a Part – time, Official Director but his name is not appearing in the signatories list of the directors maintained with Ministry of Corporate Affairs (MCA) inspite of the filling of the requisite Form Dir-12 by the Company for his appointment, due to some technical problems and for which the company has raised compliant with MCA for updation of Signatory List.

For Satish Kumar & Associates

Sd/-

Satish Kumar

Compan Secretary

C. P. No: 9788

ACS No: 25228

Date: 15/05/2015

Place: Ranchi

Observation of Secretarial Auditor & Management Explanation

Observation	Management Reply
1. The Company has duly complied with the provisions as laid down in the guidelines on Corporate Governance issued by the Department of Public Enterprises, Ministry of Heavy Industries and Public Enterprises except with that of the Composition of Boar i.e. the Company needs to have one third of its total strength of the board as Independent Directors.	The Company and CIL had taken up the matter with the Ministry of Coal for the appointment of Independent Directors.
2. The Company has in its board Mr. Nagendra Kumar as a Part – time, Official Director but his name is not appearing in the signatories list of the directors maintained with Ministry of Corporate Affairs (MCA) inspite of the filling of the requisite Form Dir-12 by the Company for his appointment, due to some technical problems and for which the company has raised compliant with MCA for updation of Signatory List	DIR-12 has been filed and the matter has already been taken up with MCA for updation.

Addendum VII**Comments of the Comptroller & 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 31st MARCH 2015.**

The preparation of financial statements of Central Mine Planning & Design Institute Limited for the year ended 31st March 2015 in accordance with the financial reporting framework prescribed under the Companies Act, 2013 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 these 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 04.06.2015.

I, on the 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 31st March 2015. 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 & Auditor General of India

Sd/-
(Yashodhara Ray Chaudhuri)
Principal Director of Commercial Audit
& Ex-officio Member, Audit Board- II, Kolkata

Place: Kolkata
Date: 11.06.2015

Addendum VIII
Contracts or Arrangements with related parties U/s 188 (1)-Form AOC-2
Form No. AOC-2

(Pursuant to clause (h) of sub-section (3) of section 134 of the Act and Rule 8(2) of the Companies (Accounts) Rules, 2014)

Form for disclosure of particulars of contracts/arrangements entered into by the company with related parties referred to in sub-section (1) of section 188 of the Companies Act, 2013 including certain arm's length transactions under third proviso thereto.

S.No	Particulars	Details
1.	Details of contracts or arrangement or transactions not at arm's length basis	
a	Name(s) of the related party and nature of relationship	Nil
b	Nature of contracts/arrangements/transactions	N.A.
c	Duration of the contracts/arrangements/transactions	N.A.
d	Salient terms of the contracts or arrangements or transactions including the value, if any	N.A.
e	Justification for entering into such contracts or arrangements or transactions	N.A.
f	Date(s) of approval by the Board	N.A.
g	Amount paid as advances, if any:	N.A.
h	Date on which the special resolution was passed in general meeting as required under first proviso to section 188	N.A.
2.	Details of material contracts or arrangement or transactions at arm's length basis	
a	Name (s) of the related party and nature of relationship	Nil
b	Nature of contracts/arrangements/transactions	N.A.
c	Duration of the contracts/arrangements/transactions	N.A.
d	Salient terms of the contracts or arrangements or transactions including the value, if any:	N.A.
e	Date(s) of approval by the Board if any:	N.A.
f	Amount paid as advances, if any	N.A.

Date : 22.06.2015
Place: Ranchi

Sd/-
(A.K. Debnath)
Chairman-cum- Managing Director

Addendum IX

K C TAK & Co

CHARTERED ACCOUNTANTS

Shop No. – 2 Eastern Block Side, GEL Church Complex, 1st Floor, Main Road, Ranchi - 834001

Report of Auditors on “Memorandum of Understanding”

To
The CMD
Central Mine Planning & Design Institute Ltd.
Gondwana Place, Kanke Road, Ranchi

We have audited the attached “Statement of Performance Evaluation in Annexure –II & II A” of Memorandum of Understanding (MoU), between CIL & CMPDIL, parameters (set originally and those revised for claiming offset as agreed by the board) for calculations of the MoU score and grading of CPSEs for the financial year 2014-15 as has been issued by the DPE in respect of “Central Mine Planning & Design Institute Ltd”. As per information and explanation produced to us by the Company, subject to observations as stated in ‘Annexure-A’ attached herewith, we report that:

1. That the claims of the company for achievement as stated in attached “Statement of Performance of Evaluation Sheet” is against the targets originally agreed by DPE, issued by Ministry of Heavy Industries & Public Enterprises (MoU Division), Govt. of India, with respect to financial and Non-Financial Parameters and has been calculated in terms of guidelines for MoU for the financial year 2014-15 as well as with claimed offset by CMPDI duly approved by the Board with revised financial and non-financial parameters.
2. As per MoU signed with DPE, the composite score arrived at in Performance Evaluation Sheet (Annexure-II) is 92.58 (Excellent) as per revised target approved by the Board of the company, the composite score arrived at in Performance Evaluation Sheet (Annexure-IIA) is 99.96 (Excellent).
3. The achievement against Financial and Non-Financial Parameters, are in agreement with the internal documentary evidences as produced before for the purpose of our verification, stated in respective parameters are correct to the best of our knowledge.

For **K.C.Tak & Co.**
Chartered Accountants
FRN: 000216C

Sd/-
(Anil Jain)
Partner
M.No. 079005

Date : 18/06/2015

Place : Ranchi

“Annexure-A” forming part report of Auditors on Memorandum of Understanding (MoU) of Central Mine Planning & Design Institute Ltd for Financial Year ending on 31st March, 2015

1. With reference to Note No. 1, at foot notes on Annexure-II & IIA of Memorandum of Understanding (MoU), between CIL & CMPDIL, it was observed that the impact of penalty imposed by Competition Commission of India for Rs. 1,773.05 crores has not been considered in the Targets of 2014-15. As per information and explanation given to us, there will be no impact on CMPDIL on account of penalty imposed by Competition Commission of India as the impact such penalty is on the sale of coal which is not an activity of CMPDIL but related to other subsidiaries of CIL. Hence, the same is not applicable in CMPDIL.
2. As per information and explanation given to us, there will no impact of MMDR bill on CMPDIL in respect of Note No. 4 at foot notes of Annexure II & II A stating “ Impact of MMDR bill if becomes an act and implemented, its impact will be excluded”. Hence, the same is not considered in Performance Evaluation of CMPDIL for Financial year 2014-15.
3. For the purpose of calculation of Average Collection Period of Trade Receivables , Gross sales (credit) less Excise Duty and all other levies as appearing in Audited Profit & Loss Accounts has been considered in the Annexure II & IIA of Memorandum of Understanding (MoU), between CIL and CMPDIL. However, it was observed that the disclosure as has been made at foot notes to Annexure II & IIA vide Note No.2 indicating that the Gross sales (credit) is inclusive of the Excise duty and all other levies though the actual amount of sales has been correctly considered exclusive of Excise Duty and all other levies in consonance with the guidelines of the DPE i.e. Net Credit sales (Gross sales (credit) less Excise duty and all other levies).
4. With reference to “ Dynamic/ Non-Financial parameters” under Evaluation criteria of Annexure II & II A Memorandum of Understanding (MoU), between CIL & CMPDIL, it was observed that the performance for actual achievement in respect of “ Certification for ISO/IEC 27001 for CMPDIL HQ” has been taken considering the date of Provisional certificate issued to CMPDIL in the month of September, 2014, valid upto 31st March, 2015, whereas the original certificate was found to be issued to CMPDIL in January, 2015 valid upto 15th January,2018. As explained to us, the date of Provisional certificate issued to CMPDIL is the relevant date for considering the actual achievement. In the absence of guidelines in this regard, we have considered the claim of CMPDIL in this report.

MEMORANDUM OF UNDERSTANDING - 2014 - 15

Statement of actual Performance Evaluation of Financial Parameters and Non-Financial Parameters vis-à-vis revised target in MOU of CMPDIL for the financial year 2014-15

SUBSIDIARY : CMPDI

ANNEXURE-II

Evaluation Criteria		Unit	Weight (in %)	MoU Target					Means of verification	Performance Actual Achievement	Raw Score	Proposed Weighted Raw Score
				Excellent	Very Good	Good	Fair	Poor				
				5	4	3	2	1				
1	Static / Financial Parameters											
	Mandatory Parameters											
		Growth/Size/Activity										
	(i)	(a)	Sales Turnover (Net Sales)	Rs. Cr.	10	811.91	788.78	749.34	711.87	676.28	2.40	24
		(b)	Gross Operating Margin Rate	Ratio	10	0.0993	0.0991	0.0941	0.0894	0.0850	5	50
		Profitability										
	(ii)	(a)	PAT/Net Worth	Ratio	5	0.1460	0.1436	0.1364	0.1296	0.1231	3.58	17.9
		(b)	EBITDA/Net Block	Ratio	7	0.4324	0.4256	0.4043	0.3841	0.3649	5	35
	(iii)	Cost and Output Efficiency										
		(a)	Sales Turnover/Net Block	Ratio	10	7.0102	6.8105	6.4700	6.1465	5.8392	5	50
	Optional Parameters											
	(iv)	Efficiency of Asset Use										
		(a)	Average Collection Period of Trade Receivables	No. of Days	8	146.50	148.05	155.45	163.23	171.39	5	40
			Sub Total		50							

Note:

1. Impact of Penalty imposed by Competition Commission of India for Rs. 1773.05 crores has not been considered in the Targets of 2014-15 BE since the same has been appealed against by the company in the Competition Appellate Tribunal. Impact of the above penalty, if paid in 2014-15 will be excluded and accordingly the financial parameters (P&L a/c and Balance Sheet) will be recasted at the time of evaluation of MoU 2014-15.

2. For the purpose of calculation of Average Collection Period of Trade Receivables, Gross Sales as appearing in P&L A/c in Audited Accounts (inclusive of Excise duty and all other levies & taxes) and Average Trade Receivables as appearing in the Audited Accounts (net off provision for bad & doubtful debts) have been considered.

3. Accounting head considered for Computation of Gross Operating Margin has been given in Appendix-I and the same methodology will be considered at the time of evaluation.

4. Impact of MMDR bill if becomes an act and implemented, its impact will be excluded.

2 Dynamic /non-financial Parameters

	(i)	R & D / New initiatives	2	Enclosed as Annexure A					Independent R&D Advisory Committee Report / Annual Report		5	10	
	(ii)	Corporate Social Responsibility and Sustainability	3						Independent Expert Report / Annual Report				
	(a)	Rain water harvesting in CMPDI, RI-VI, Colony at Singrauli	1.5	Completion date	1st Mar.'15	9th Mar.'15	17th Mar.'15	24th Mar.'15		31st Mar.'15	29th Jan.'15	5	7.5
	(b)	Energy conservation by replacing conventional lights in CMPDI, RI-V colony at Bilaspur	1.5	No. of conventional lights replaced	60	50	40	30		←30	60	5	7.5
	(iii)	Initiatives for Growth							Annual Report				
	(a)	Physical targets/output	11										
		Drilling		000 Meters	#####	1100.00	1000.00	900.00		800.00			
	(i)	(ia) Departmental	2	000 Meters	350.00	340.00	320.00	300.00		280.00	356	5	10
		(ib) Outsourced	1	000 Meters	850.00	760.00	680.00	600.00		520.00	472	1	1
	(ii)	Geological Reports	8	No.	16	15	14	13		12	16	5	40
	(iv)	Project Management & Implementation											
	(a)	Capacity Addition	10										
	(i)	Project Report Preparation	7	Nos.	30	29	27	25	23	30	5	35	
	(ii)	Capacity Addition through Project Report Preparation (Incremental)	3	Mty	50	45	40	35	30	116	5	15	
	(v)	Productivity and Internal Processes											
	(c)	Measures taken to increase efficiency and productivity of manpower/resources	10										
	i)	Addition/Replacement of Drills (Hydrostatic & new mechanical drills) to improve drill productivity	4	Nos.	4	3	2	1	-	4	5	20	
	ii)	Average Drill Productivity (Departmental)	4	m/drill/month	455	450	428	406	386	514	5	20	
	ii)	Formulation of an incentive scheme for field executives and its submission to CIL for approval	2	Date	Sep.'14	Oct.'14	Nov.'14	Dec.'14	Jan.'15	Sep.'14	5	10	
	(vi)	Technology, Quality, Innovative practices	4						ISO/IEC 27001 certificate from the external certification body				
	c	Certification for ISO/IEC 27001 for CMPDI HQ	4	Date	Sep.'14	Oct.'14	Nov.'14	Dec.'14		Jan.'15	Sep.'14	5	20

	Human Resource Management		5	Enclosed as Annexure B						Independent HR Auditor Report / Annual Report		
	(i)	(ii)		No of Executives	10	8	6	4	2			
(vii)	HRM performance as per DPE Guideline		1									5
	(ii) Certified Training in Project Management	No of Executives	2		10	8	6	4	2	10		5
	(iii) Certified Training in Contract Management	No of Executives	1		5	4	3	2	1	5		5
	(iv) Training in Mine Planning software	No of Executives	1		10	8	6	4	2	10		5
	Sub Total		45									
3	3. Sector Specific Parameter/Enterprise Specific Parameter:											
	(i) EIA/EMP (including Form-I)	No.	2		32	31	29	27	25	49	5	10
	(ii) Other Reports including operational plans	No.	2		124	118	112	106	101	174	5	10
	(iii) Periodic Departmental OBR Check measurement of Opencast mines of CIL (producing more than 1 MT of coal per annum)	No.	1		42	38	35	33	31	43	5	5
	Sub Total		5									
	Grand Total		100									462.9
											Score	92.58

Remarks:

The shortfall in drilling through outsourcing was mainly due to adverse law & order and non-availability of forest clearances (constraints entirely beyond the control of CMPDI) resulting in a loss of 3.61 lakh metre in outsourced blocks during 2014-15.

Note:

- At the time of MoU evaluation, drilling targets adversely affected due to non-removal of constraints entirely beyond the control of CMPDI despite its best efforts would be identified from the PERT chart (enclosed as Annexure-IIA) and accordingly Financial and non-Financial Parameters will be evaluated.
- Negative Marking for Non-compliance of Corporate Governance: Non-Compliance of Corporate Governance will have negative marking as stated in DPE's OM 3/19/2013-DPE (MOU) dated 11th November, 2013.
- Negative Marking for Non-compliance of other Guideline/Regulations:
 - Procurement from MSME: CPSEs will have to follow the Public Procurement Policy for Micro, Small and Medium Enterprises (MSMEs) Order issued vide D.O. No. 21(1)/2011/-M.A. dated April 25, 2012 and non-compliance with the aforesaid order will be penalised upto 1 mark at the discretion of Task Force at the time of MoU evaluation.
 - Non-Compliance of DPE Guidelines: Certificate regarding implementation of Guidelines to be submitted as per OM DPE/14/38/10-Fin, dated 28th June, 2011. Non-compliance of DPE Guidelines determined on the basis of certificate submitted will be penalised upto 1 mark at the discretion of Task Force at the time of MoU evaluation.
 - Other Non-Compliance: Certificate regarding compliance of directives of Government and requirement of Regulators will be given as per Annexure-VIII of DPE's OM 3/19/2013-DPE (MOU) dated 11th November, 2013. Non-compliance of any directives of Govt. including submission of data for Public Enterprise (PE) Survey, etc. and non-compliance of requirement of regulators in serious cases may be penalised upto 1 mark depending on the degree and seriousness of non-compliance.

Sd/-

HOD (TS), CMPDI

Sd/-

GM (FINANCE), CMPDI

Sd/-

STATUTORY AUDITOR

MEMORANDUM OF UNDERSTANDING - 2014 - 15

Statement of actual Performance Evaluation of Financial Parameters and Non-Financial Parameters vis-à-vis revised target approved by the board" of CMPDIL for the financial year 2014-15

SUBSIDIARY : CMPDI

ANNEXURE-II A

	Evaluation Criteria	Unit	Weight (in %)	MoU Target				Means of verification	Performance Actual	Raw Score	Proposed Weighted Raw Score
				Excellent	Very Good	Good	Fair				
				5	4	3	2				
1	Static / Financial Parameters										
	Mandatory Parameters										
	(i) Growth/Size/Activity										
	(a) Sales Turnover (Net Sales)	Rs. Cr.	10	714.64	699.55	664.57	631.34		726.72	5	50
	(b) Gross Operating Margin Rate	Ratio	10	0.1098	0.1092	0.1037	0.0986		0.1195	5	50
	(ii) Profitability										
	(a) PAT/Net Worth	Ratio	5	0.1393	0.1380	0.1311	0.1245		0.1406	5	25
	(b) EBITDA/Net Block	Ratio	7	0.4137	0.4099	0.3894	0.3699		0.6173	5	35
	(iii) Cost and Output Efficiency										
	(a) Sales Turnover/Net Block	Ratio	10	6.1704	6.0401	5.7381	5.4512		8.9907	5	50
	Optional Parameters										
	(iv) Efficiency of Asset Use										
	(a) Average Collection Period of Trade Receivables	No. of Days	8	148.05	146.50	153.83	161.52		109.17	5	40
	Sub Total		50								
	Note:										
	1. Impact of Penalty imposed by Competition Commission of India for Rs. 1773.05 crores has not been considered in the Targets of 2014-15 BE since the same has been appealed against by the company in the Competition Appellate Tribunal. Impact of the above penalty, if paid in 2014-15 will be excluded and accordingly the financial parameters (P&L a/c and Balance Sheet) will be recasted at the time of evaluation of MoU 2014-15.										
	2. For the purpose of calculation of Average Collection Period of Trade Receivables, Gross Sales as appearing in P&L A/c in Audited Accounts (inclusive of Excise duty and all other levies & taxes) and Average Trade Receivables as appearing in the Audited Accounts (net off provision for bad & doubtful debts) have been considered.										
	3. Accounting head considered for Computation of Gross Operating Margin has been given in Appendix-I and the same methodology will be considered at the time of evaluation.										
	4. Impact of MMDR bill if becomes an act and implemented, its impact will be excluded.										

Evaluation Criteria	Unit	Weight (in %)	MoU Target					Means of verification	Performance Actual	Raw Score	Proposed Weighted Raw Score
			Excellent	Very Good	Good	Fair	Poor				
				5	4	3	2				
2											
Dynamic /non-financial Parameters											
(i)	R & D / New initiatives	2	Enclosed as Annexure A					Independent R&D Advisory Committee Report / Annual Report		5	10
(ii)	Corporate Social Responsibility and Sustainability	3						Independent Expert Report / Annual Report			
	(a) Rain water harvesting in CMPDI, RI-VI, Colony at Singrauli	1w	1st Mar.15	9th Mar.15	17th Mar.15	24th Mar.15	31st Mar.15		29th Jan. '15	5	7.5
	(b) Energy conservation by replacing conventional lights in CMPDI, RI-V colony at Bilaspur	1.5	60	50	40	30	←30		60	5	7.5
(iii)	Initiatives for Growth							Annual Report			
(a)	Physical targets/output	11									
(i)	Drilling		839.00	739.00	639.00	539.00	439.00				
	(ia) Departmental	2	350.00	340.00	320.00	300.00	280.00		356	5	10
	(ib) Outsourced	1	489.00	399.00	319.00	239.00	159.00		472	4.81	4.81
(ii)	Geological Reports	8	16	15	14	13	12		16	5	40
(iv)	Project Management & Implementation										
(a)	Capacity Addition	10									
(i)	Project Report Preparation	7	30	29	27	25	23		30	5	35
(ii)	Capacity Addition through Project Report Preparation (Incremental)	3	50	45	40	35	30		116	5	15
(v)	Productivity and Internal Processes										
(c)	Measures taken to increase efficiency and productivity of manpower/resources	10									
i)	Addition/Replacement of Drills (Hydrostatic & new mechanical drills) to improve drill productivity	4	4	3	2	1	-		4	5	20
ii)	Average Drill Productivity (Departmental)	4	455	450	428	406	386		514	5	20

	Evaluation Criteria	Unit	Weight (in %)	MoU Target					Means of verification	Performance Actual	Raw Score	Proposed Weighted Raw Score	
				Excellent	Very Good	Good	Fair	Poor					
	(ii)	Formulation of an incentive scheme for field executives and its submission to CIL for approval	Date	2	Sep.'14	Oct.'14	Nov.'14	Dec.'14	Jan.'15	Sep.'14	5	10	
	(vi)	Technology, Quality, Innovative practices		4						ISO/IEC 27001 certificate from the external certification body			
	c	Certification for ISO/IEC 27001 for CMPDI HQ	Date	4	Sep.'14	Oct.'14	Nov.'14	Dec.'14	Jan.'15	Sep.'14	5	20	
	(vii)	Human Resource Management		5						Independent HR Auditor Report / Annual Report			
		(i) HRM performance as per DPE Guideline		1	Enclosed as Annexure B							5	5
		(ii) Certified Training in Project Management	No of Executives	2	10	8	6	4	2	10	5	10	
		(iii) Certified Training in Contract Management	No of Executives	1	5	4	3	2	1	5	5	5	
		(iv) Training in Mine Planning software	No of Executives	1	10	8	6	4	2	10	5	5	
		Sub Total		45									
3	3. Sector Specific Parameter/Enterprise Specific Parameter:												
	(i)	EIA/EMP (including Form-I)	No.	2	32	31	29	27	25	Annual Report	49	5	10
	(ii)	Other Reports including operational plans	No.	2	124	118	112	106	101		174	5	10
	(iii)	Periodic Departmental OBR Check measurement of Opencast mines of CIL (producing more than 1 MT of coal per annum)	No.	1	42	38	35	33	31		43	5	5
		Sub Total		5									
		Grand Total		100								499.81	
											SCORE	99.96	

Remarks :

1. The shortfall in drilling through outsourcing was mainly due to adverse law & order and non-availability of forest clearances (constraints entirely beyond the control of CMPDI) resulting in a loss of 3.61 lakh metre in outsourced blocks during 2014-15. The MoU between CMPDI & CIL for 2014-15 [refer foot note sl. no.1 below] stipulates that at the time of MoU evaluation, drilling targets adversely affected due to non-removal of constraints entirely beyond the control of CMPDI despite its best efforts would be identified from the PERT chart (enclosed as Annexure-IIA) and accordingly Financial and non-Financial Parameters will be evaluated. Accordingly, the target (Excellent) has been revised to 489 thousand metres in respect of outsourced drilling. Drilling losses due to adverse law & order problem in coal blocks has not been considered for target reduction as the departmental target has been achieved.
2. The targets for financial parameters have accordingly been revised based on the revision in the outsourced drilling target i.e. 489 thousand metres for Excellent.

Note :

1. At the time of MoU evaluation, drilling targets adversely affected due to non-removal of constraints entirely beyond the control of CMPDI despite its best efforts would be identified from the PERT chart (enclosed as Annexure-IIA) and accordingly Financial and non-Financial Parameters will be evaluated.
2. Negative Marking for Non-compliance of Corporate Governance: Non-Compliance of Corporate Governance will have negative marking as stated in DPE's OM 3/19/2013-DPE (MOU) dated 11th November, 2013.
3. Negative Marking for Non-compliance of other Guideline/Regulations:
 - a) Procurement from MSME: CPSEs will have to follow the Public Procurement Policy for Micro, Small and Medium Enterprises (MSMEs) Order issued vide D.O. No. 21(1)/2011/-M.A. dated April 25, 2012 and non-compliance with the aforesaid order will be penalised upto 1 mark at the discretion of Task Force at the time of MoU evaluation.
 - b) Non-Compliance of DPE Guidelines: Certificate regarding implementation of Guidelines to be submitted as per OM DPE/14(38)/10-Fin, dated 28th June, 2011. Non-compliance of DPE Guidelines determined on the basis of certificate submitted will be penalised upto 1 mark at the discretion of Task Force at the time of MoU evaluation.
 - c) Other Non-Compliance: Certificate regarding compliance of directives of Government and requirement of Regulators will be given as per Annexure-VIII of DPE's OM 3/19/2013-DPE (MOU) dated 11th November, 2013. Non-compliance of any directives of Govt. including submission of data for Public Enterprise (PE) Survey, etc. and non-compliance of requirement of regulators in serious cases may be penalised upto 1 mark depending on the degree and seriousness of non-compliance.

Sd/-

HOD (TS), CMPDI

Sd/-

GM (FINANCE), CMPDI

Sd/-

STATUTORY AUDITOR

Annexure - A

R&D Performance Target Setting cum Evaluation Template for 2014-15

Projects chosen by CMPDI

				Target value						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Sl. No.	Project Chosen	Performance Indicator	Weight-age	Excellent (100%)	Very Good (80%)	Good (60%)	Fair (40%)	Poor (20%)	Actual #	Remarks
2.1	Studies on shrinkage swelling characteristics of some Indian coals to ascertain recoverability of CBM from deep seated coal and shale resources	Process development/improvement	1.0	Compositional analyses of coal and shale samples completed by:						After the set up was made ready, the selected samples were subjected to shrinkage swelling test for their compositional analysis. The detail of the results have been furnished in the report submitted vide letter dated 30.12.2014.
				28th Feb '15	7th Mar'15	15th Mar '15	21st Mar'15	31st Mar'15	30th Dec'14	
				Weightage Allotted						
				1.0	0.8	0.6	0.4	0.2	1.0	
2.2	Design, Develop and Demonstrate a Micro-Grid system for optimization and control of Multiple source of power supply.	S y s t e m development for optimum utilization of energy	1.0	Plant erection and commissioning of plant completed by:						The solar photovoltaic plant has been erected and commissioned on the roof tops of CMPDI office buildings. The total installed capacity of the plant is around 191kW. Two types of technologies, one with string inverter and another with micro inverter have been adopted in installing the plant. Under this project, conventional grid (utility supply) clubbed with solar PV system and DG sets through grid interactive inverters to feed to internal grid (CMPDI) whenever utility grid (JSEB) supply is not available. Report on erection and commissioning of plant has been submitted vide letter dated 31.12.2014.
				31st Jan '15	7th Feb'15	15th Feb '15	21st Feb'15	28th Feb'15	31st Dec'14	
				Weightage Allotted						
				1.0	0.8	0.6	0.4	0.2	1.0	

To be filled up at the time of submission of performance evaluation of MoU.

Sl. No. 2.1

1	Project code	:	CIL/R&D/1/53/13		
2	Title	:	Studies on shrinkage swelling characteristics of some Indian coals to ascertain recoverability of CBM from deep seated coal and shale resources		
3	Start date	:	March 2013		
4	Scheduled completion date	:	February 2015		
5	Objective	:	<p>Development of a suitable experimental set-up for measurement of shrinkage-swelling of coal and shale samples.</p> <p>Study of shrinkage-swelling characteristics of Indian coals with adsorption/desorption of methane or carbon dioxide gas under different pressures.</p> <p>Study of strain anisotropy in coal/ shale samples.</p> <p>Computation of the influence of matrix shrinkage-swelling on permeability of coal/shale samples.</p> <p>Correlating the shrinkage-swelling characteristics of Indian coal/shales with its chemical composition.</p>		
6	Background to Description	:	<p>Shrinkage of coal matrix because of desorption of methane results in changes in cleat/fracture volume. Shrinkage of coal matrix due to desorption of methane will result in opening of the pores and apertures in coal and thus increasing the porosity of the coal. The increased porosity will have an effect on the permeability of the coal and ultimately on the recovery of methane from a CBM play. The permeability of coal due to shrinkage associated with desorption of methane may be enhanced by order of magnitudes.</p>		
7	Base line survey	:	<p>The matrix shrinkage coefficient is determined experimentally by conducting a shrinkage experiment and this coefficient is fed to a CBM production simulator to estimate the increased CBM production that will be achieved because of increased permeability associated with matrix shrinkage due to desorption of methane. Thus it is very important to know the shrinkage/swelling characteristics and determine the matrix shrinkage coefficient.</p>		
8	Milestones (Work plan)	:	<p>(i) Assemblage of the complete experimental set-up and calibration.</p> <p>(ii) Compositional analyses of coal and shale samples</p>		
9	Action Plan	:	Activities	2014-15	
				Date of start	Probable date of completion
			Assemblage of the complete experimental set-up and calibration	Continued	Nov 2014
	Compositional analyses of coal and shale samples	Dec 2014	Feb 2015		
10	Collaboration, if any	:	Indian Institute of Technology, Kharagpur		

11	Detailed documentation	:	Project file with relevant details & status reports
12	Resource employed	:	Executives of CBM Cell of CMPDI(HQ), Ranchi in association with IIT, Kharagpur
13	Project cost	:	₹ 182.60 lakh (For CMPDI - ₹ 55.70 lakh; For IIT, Kharagpur- ₹ 126.90 lakh)
14	Beneficiaries	:	Coal India Ltd. & others
15	Impact	:	The study will provide understanding of shrinkage-swelling of Indian Coals/shale matrix which will facilitate & increase permeability of coal and finally increase in CBM recovery.
16	Status	:	The experimental set up and the sample cell has been completed and testing for leakage with high pressure helium gas performed. Assembly of the complete experimental set up and its calibration is in progress.
17	Evaluation report by an independent agency	:	To be decided by the CIL Management

Sl. No. 2.2

1	Project code	:	CIL/R&D/1/56/2013
2	Title	:	Design, Develop and Demonstrate a Micro-Grid system for optimization and control of Multiple source of power supply.
3	Start date	:	14 th August 2013
4	Scheduled completion date	:	13 th August 2015
5	Objective	:	<ul style="list-style-type: none"> • Design and demonstrate a pilot Micro-Grid project at CMPDI Office premises and residential colony. • Develop in-house technical expertise to design solar PV systems and replicate it at all other group companies of Coal India limited. • Long term performance evaluation to study and identify best module and inverter technology suitable to atmospheric and climatic conditions prevails in coalfield area.
6	Background to Description	:	Prospects for Renewable / Green Energy are steadily increasing in India. In view of present energy scenario the problem of energy security is becoming more dominating as the conventional sources of energy are getting exhausted very fast and it is a matter of concern for sustainable development of the country. It has been globally accepted that Green Energy /Renewable Energy, in future, shall contribute to energy security to a great extent. Coal India needs to explore the possibilities in this direction. Under this study, it is proposed to draw power from conventional grid clubbed with Solar PV systems through programmable special types of inverters and DG sets. This concept is known as "Micro-Grid". At present, development of Micro-Grid system in India is in nascent stage.

7	Base line survey	:	Cost of solar power is substantially less than the cost of power generated through diesel. Moreover, the solar power is becoming more competitive than the conventional power after enjoying the subsidies from the Ministry of New and Renewable Energy (MNRE). Design of Micro-Grid for optimization and control of multiple sources of power supply is a challenging job and requires substantial expertise. Once the expertise in designing and operating of Micro-Grid achieved at CMPDI, it can be replicated in other areas of CIL at later stage.		
8	Milestones (Work plan)	:	i) Plant erection and commissioning of plant ii) Training of CMPDI staff		
9	Action Plan	:	Activities	2014-15	
				Date of start	Probable date of completion
			Plant erection and commissioning of plant	April 2014	Jan 2015
			Training of CMPDI staff	Jan 2015	Feb 2015
10	Collaboration, if any	:	Gujarat Energy Research and Management Institute (GERMI), Gandhinagar, Gujarat.		
11	Detailed documentation	:	Project file with relevant details & status reports		
12	Resource employed	:	Executives of E&M Division, CMPDI, Ranchi in association with Scientists of GERMI, Gandhinagar.		
13	Project cost	:	₹ 351.30 lakh		
14	Beneficiaries	:	Coal India Ltd. & others		
15	Impact	:	Once the expertise in designing and operating of Micro-Grid achieved at CMPDI, it can be replicated in other areas of CIL at later stage.		
16	Status	:	Site survey and collection of design data completed. Detailed design of proposed plant has been completed. NIT floated for procurement of equipment and erection of proposed plant.		
17	Evaluation report by an independent agency	:	To be decided by the CIL Management		

Annexure-B

HRM Performance Evaluation under Memorandum of Understanding

Sl.	HRM - PERFORMANCE INDICATORS	Measurement Unit	Weightage	Target value under five point scale - Basic Target (Very Good)	Excellent	Good	Fair	Poor	Actual Performance (To be filled at the time of submission of performance evaluation by CPSE)	Self-Evaluation Score (to be filled up at the time of submission of performance evaluation by CPSE)
					Score to be allocated as % of weightage					
				95	100	90	85	80		
A	Competency & Leadership Development									
	A1 Compulsory									
1	% actualization of Training Plan	% fulfillment (out of 29 training plan)	5	93% (27 training plan)	100% (29 training plan)	90% (26 training plan)	86% (25 training plan)	79% (23 training plan)	30	5
	Training Days per employee per year	Days per employee per year	5	0.70 training days per employee	0.80	0.60	0.50	0.40	1.26	5
2	Developing critical mass of leaders through a system of career planning & development	% fulfillment of planned leadership development programmes	5	67% (2 persons out of maximum 3 to be nominated in the 2 planned training program on leadership development at ICM/ Others)	100% (3 persons)	33% (1 person)	-	-	3	5
3	Training budget as % of employee cost	% of employees cost	5	0.08% of Employee cost (2013-14) (Budget)	0.09	0.07	0.06	<0.06	0.18	5
4	% fulfillment of training plan for Multi-skilling / Skill Upgradation of non-executives	%	5	67% (2 programs out of 3 planned)	100% (3 programs)	33% (1 program)	-	-	3	5

Sl.	HRM - PERFORMANCE INDICATORS	Measurement Unit	Weightage	Target value under five point scale - Basic Target (Very Good)	Excellent	Good	Fair	Poor	Actual Performance (To be filled at the time of submission of performance evaluation by CPSE)	Self-Evaluation Score (to be filled up at the time of submission of performance evaluation by CPSE)
				Score to be allocated as % of weightage						
				95	100	90	85	80		
	A2 Optional									
5	Training interventions in new/advanced technology - % fulfillment of training plan in new technology	%	5	67% (2 training programs to be organised out of 3 planned)	100% (3 programs)	33% (1 program)	-	-	3	5
	Total		30							30
B	Recruitment, Retention & Talent Management									
6	Manpower Rationalization through	%	10	0.8% (through transfer/posting) (About 25 nos. out of total manpower of 3177/As on 1.11.2013)	0.85	0.75	0.70	0.65	23.38	10
	- Voluntary retirements									
	- Redeployment									
	- Any other									
7	Attrition as % of total employees	%	10	3% (by super-annuation) (About 100 nos. out of total manpower of 3177/As on 1.11.2013)	3.2	2.8	2.6	2.4	5.26	10

Sl.	HRM - PERFORMANCE INDICATORS	Measurement Unit	Weightage	Target value under five point scale - Basic Target (Very Good)	Excellent	Good	Fair	Poor	Actual Performance (To be filled at the time of submission of performance evaluation by CPSE)	Self-Evaluation Score (to be filled up at the time of submission of performance evaluation by CPSE)
				Score to be allocated as % of weightage						
				95	100	90	85	80		
8	Formulation / Implementation of systems for management of Talent such as - Job rotation system, reward system, sponsoring sr. executives for Advanced Management Programme, growth opportunities, etc.	Schemes / Initiatives & their details	10	1 no. executive to be nominated to Advanced Management Programme	2 nos.	-	-	-	2 nos.	10
	Total		30							30
C	Employee Relations & Welfare									
9	Effectiveness of Grievance Redressal system - % of grievances settled vis-à-vis received during the year	% settlement	15	10% (out of total grievance applications received)	10.2	9.5	9	8.6	100%	15
10	Pension, medicare, Yoga classes to reduce stress where the job is stressful, setting up of wellness centre such as Gym etc.	Number of programs / date of implementation of scheme	10	2 nos. (Yoga class) (Pension & Medical facilities already exist)	3 nos.	1 no.	-	-	3 nos.	10
11	Number of structured meetings with employees' representatives	Number of meetings	15	2	3	1	-	-	4	15
	Total		40							40
	Grand Total		100							100
	NB: Total score out of 100 awarded on HRM to CPSE will be converted into score out of 1 in MoU on pro-rata basis									

Addendum X

**ANNEXURE FORMING PART OF DIRECTORS' REPORT FOR THE YEAR ENDED 31.03.2015
-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	Qualific- ation	Experience (yrs.)	Date of commen- cement	Age s on 31st Mar 2015 (Yrs)	Last employ- ment held	% of eq. Shares held	Whether related to Dir./Manager
1	2	3	4	5	6	7	8	9	10	11	12
(a)	<p>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.60, 00,000/-.</p> <p>-----Nil-----</p>										
(b)	<p>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. 5, 00,000/- per month.</p> <p>----- Nil -----</p>										
(c)	<p>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.</p> <p>----- Nil -----</p>										

Addendum – XI

Annexure to CSR Report

CSR Budget & Expenditure for the year 2014-15 against 2% of average net profit (Rs. 42.82 lakh)

Unit	Budget	Expenditure on CSR & SD Activity (Rs. In Lakh)	Expenditure on CSR (Rs. In Lakh)
HQ	53.32	80.78	77.81
RI-I	14.65	8.38	8.38
RI-II	2.10	2.06	2.06
RI-III	14.00	13.25	13.26
RI-IV	29.20	28.48	28.48
RI-V	42.70	14.06	8.04
RI-VI	16.75	16.21	12.66
RI-VII	38.27	17.70	17.70
Total	210.99	180.92	168.39

CSR Expenditure activities-wise for the year 2014-15

SL. No.	Activity	Expenditure (Rs. In Lakh)	Expenditure (Rs. In Lakh)
1	Education	53.27	53.27
2	Infrastructure	56.78	56.78
3	Water Supply	2.32	2.32
4	Healthcare	51.70	51.70
5	Sustainability	12.53	-
6	Social/Women Empowerment	3.53	3.53
7	Others	0.79	0.79
	Total	180.92	168.39

The implementation and monitoring of CSR policy, is in compliance with CSR objective and policy of the Company.

Sd.-
Chairman
CSR Committee

Sd.-
Chairman-cum-Managing Director
CMPDIL



CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

Balance Sheet as at 31st March , 2015

₹ in crore

		Notes		As at 31-03-2015 (Audited)		As at 31-03-2014 (Audited)
I	EQUITY AND LIABILITIES					
(1)	Shareholders' Fund					
	a) Share Capital	1	19.04		19.04	
	b) Reserves & Surplus	2	159.02		136.84	
				178.06		155.88
(2)	Non-Current Liabilities					
	a) Long Term Borrowing	3	-		-	
	b) Deferred Tax Liability (Net)		-		-	
	c) Other Long Term Liabilities	4	-		-	
	d) Long Term Provisions	5	183.29		183.51	
				183.29		183.51
(3)	Minority Interest			-		-
(4)	Current Liabilities					-
	a) Short Term Borrowing	6	-		-	
	b) Trade Payables	7	50.47		45.80	
	c) Other Current Liabilities	8	238.41		222.99	
	d) Short Term Provisions	9	259.38		222.34	
				548.26		491.13
	Total			909.61		830.52
II	ASSETS					
(1)	Non-Current Assets					
	(a) Fixed Assets	10A				
	i) Tangible Assets - Gross Block		195.92		181.60	
	Less : Depreciation, Impairment & Provisions		119.62		109.49	
	Net Carrying Value			76.30		72.11
	ii) Intangible Assets - Gross Block	10A	7.55		2.21	
	Less : Depreciation, Impairment & Provisions		3.02		2.21	
	Net Carrying Value			4.53		-
	iii) Capital Work-in-Progress	10B		29.44		24.93
	iv) Intangible Assets under Development	10C		-		-

	(b) Non-Current Investment	11		-		-
	(c)Deferred Tax Assets (Net)			106.43		101.59
	(d) Long Term Loans & Advances	12		4.07		2.02
	(e) Other Non-Current Assets	13		0.02		0.02
CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED						
	Balance Sheet Contd.					
		Notes		As at		As at
				31-03-2015		31-03-2014
				(Audited)		(Audited)
(2)	Current Assets					
	(a) Current Investments	14	-		-	
	(b) Inventories	15	6.10		5.77	
	(c) Trade Receivables	16	236.36		198.34	
	(d) Cash & Cash equivalents	17	85.92		109.18	
	(e) Short Term Loans & Advances	18	360.39		316.51	
	(f) Other Current Assets	19	0.05		0.05	
				688.82		629.85
	Total			909.61		830.52

Significant Accounting Policies 33

Additional Notes on Accounts 34

The Notes referred to above form an integral part of Balance Sheet

For and on behalf of Board of Directors Central Mine Planning & Design Institute Limited

Sd.-
(P. Lazar)
Company Secretary

Sd.-
(D. K. Rao)
General Manager (Finance)

Sd.-
(D. K. Ghosh)
Director

Sd.-
(A. K. Debnath)
Chairman- cum - Managing Director

In terms of our report of even date attached
For K.C.Tak & CO.
Chartered Accountants
Firm Registration No. : 000216C

Sd.-
(CA Anil Jain)
PARTNER
Membership No. : 079005

Date : 22nd May, 2015
Place : Ranchi

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

Statement of Profit & Loss for the year ended 31st March, 2015

₹ in crore

INCOME	Notes	For the Year ended 31-03-2015 (Audited)		For the Year ended 31-03-2014 (Audited)	
Revenue From Operations					
A Sale of Services		816.54		727.45	
Less : - Excise Duty		-		-	
Other Levies		89.82		80.02	
Net Sales			726.72		647.43
B Other Operating Income			-		-
i) Revenue from Operations (A+B)	20		726.72		647.43
ii) Other Income	21		5.48		5.01
Total Revenue (I+II)			732.20		652.44
EXPENSES					
Cost of Material Consumed	22		21.43		19.99
Change in inventories of finished goods work in progress and Stock in trade	23		-		-
Employee Benefit Expenses	24		402.73		378.04
Power & Fuel			2.97		3.11
CSR Expenses	25		1.68		1.82
Repairs	26		15.22		14.25
Contractual Expenses	27		191.09		152.27
Finance Costs	28		0.24		0.17
Depreciation/Amortization/Impairment			10.32		9.83
Provisions	29		(0.07)		(0.19)
Write off	30		-		-
Overburden Removal Adjustment			-		-
Other Expenditure	31		47.25		39.06
Total Expenses			692.86		618.35
Profit/Loss before Exceptional & Extraordinary Items & Tax			39.34		34.09
Prior Period Adjustment { Charges/ (Incomes) }	32		0.01		(0.51)
Exceptional Items			-		-
Profit/ (Loss) before Extraordinary Items and Tax			39.33		34.60

Extraordinary Items { Charges/ (Incomes) }			-		-
Profit/ (Loss) Before Tax			39.33		34.60
Less : Tax Expenses					
- Current Year			19.13		19.15
- Deferred Tax			(4.84)		(6.05)
- Earlier Years			-		1.93
Profit/ (Loss) For the Year			25.04		19.57
Earning Per Equity Share (in ₹)					
(Face Value of 1000/- per share)					
(1) Basic (in ₹)			1315.00		1028.00
(2) Diluted (in ₹)			1315.00		1028.00
Significant Accounting Policies	33				
Additional Notes on Accounts	34				
The Notes referred to above form an integral part of Statement of Profit & Loss					

Sd.-
(P. Lazar)

Company Secretary

Sd.-
(D. K. Rao)

General Manager (Finance)

Sd.-
(D. K. Ghosh)

Director

Sd.-
(A. K. Debnath)

Chairman- cum - Managing Director

In terms of our report of even date attached

For K.C.Tak & CO.

Chartered Accountants

Firm Registration No. : 000216C

Sd.-
(CA Anil Jain)

PARTNER

Membership No. : 079005

Date : 22nd May, 2015

Place : Ranchi



CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET

NOTE - 1

₹ in crore

SHARE CAPITAL			
		As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
Authorised			
(i)	500000 Equity Shares of ₹ 1000/- each	50.00	50.00
		-	-
		50.00	50.00
	Issued, Subscribed and Paid-up		
	(Held by Coal India Ltd. , the Holding Co. & its nominees)	-	-
	8 Equity Shares of ₹ Rs 1,000/- each fully paid in Cash (Previous Year 8 Equity shares of ₹ 1,000/- each)	-	-
	85392 Equity Shares of ₹ 1,000/- each allotted as fully paid up for consideration received other than cash (Previous Year 85392 Equity Shares of ₹ 1,000/- each)	8.54	8.54
	105000 Equity Shares of ₹ 1000/- each allotted as fully paid for Cash to Holding Company by converting loan in equity	10.50	10.50
		19.04	19.04
	Name of Shareholder	No. of Shares Held (Face value of ₹ 1000 each)	% of Total Shares
	Coal India Limited	190400	100%

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 2

₹ in crore

RESERVES & SURPLUS		
	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
RESERVES :		
Capital Reserve		
As per last Balance Sheet	12.59	11.17
Add: Addition during the year	0.27	2.72
Less: Adjustment During the year	3.13	1.30
(Additional Note - 34 Para 5.1 Capital Reserve)	9.73	12.59
Capital Redemption Reserve		
As per last Balance Sheet		
Add: Addition during the year		
Less: Adjustment During the year	-	-
	-	-
Reserve for Foreign Exchange Transactions		
As per last Balance Sheet	-	-
Add: Addition during the year	-	-
Less: Adjustment During the year	-	-
	-	-
CSR Reserve		
As per last Balance Sheet	-	0.57
Add: Addition during the year	-	1.25
Less: Transfer to General Reserve	-	1.82
	-	-
Sustainable Development Reserve		
As per last Balance Sheet	0.03	0.67
Add: Addition during the year	-	1.37
Less: Transfer to General Reserve	0.03	2.01
	0.00	0.03
General Reserve		
As per last Balance Sheet	5.74	3.73
Add: Transfer from CSR Reserve	0.03	2.01
Add:/ Less: Adjustment During the year	-	-
	5.77	5.74



Surplus in Profit & Loss Account	-	-
As per last Balance Sheet	118.48	100.28
Profit/(Loss) after Tax During the Year	25.04	19.57
Profit/(Loss) available for Appropriation	143.52	119.85
LESS APPROPRIATION		
Reserve for Foreign Exchange Transaction	-	-
Transfer to General Reserve	-	-
Transfer to CSR Reserve	-	1.37
Interim Dividend	-	-
Proposed Dividend on Equity Shares	-	-
Corporate Dividend Tax	-	-
	143.52	118.48
Miscellaneous Expenditure		
(to the extent not written off)		
Preliminary Expenses	-	-
Pre-Operational Expenses	-	-
Total :	159.02	136.84

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 3

₹ in crore

LONG TERM BORROWING	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
Term Loan		
IBRD	-	-
JBIC	-	-
Export Development Corp., Canada		
Liebherr France S.A., France	-	-
Loan From Coal India Limited	-	-
Total (A+B)	-	-
CLASSIFICATION 1		
Secured	-	-
Unsecured	-	-
CLASSIFICATION 2		
Loan Guaranteed by directors & others		
Particulars of Loan	Amount ₹ in crores	Nature of Guarantee
	NIL	NIL

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 4

₹ in crore

OTHER LONG TERM LIABILITIES	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
Shifting & Rehabilitation Fund		
Opening Balance	-	-
Add: Interest from Investment of the fund	-	-
Add: Contribution Received	-	-
Less : Amount utilised	-	-
	-	-
Trade Payable		
Security Deposits	-	-
Others (Specify Nature)	-	-
Total	-	-

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 5

₹ in crore

LONG TERM PROVISIONS	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
For Employee Benefits		
- Gratuity	98.22	103.21
- Leave Encashment	70.15	67.20
- Other Employee Benefits	14.92	13.10
For Foreign Exchange Transactions (Marked to Market)	-	-
OBR Adjustment Account	-	-
Mine Closure	-	-
For Others	-	-
TOTAL	183.29	183.51



CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 6

₹ in crore

SHORT TERM BORROWING	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
Loan From Bank	-	-
Loans Repayable on Demand		
Balance with Coal India Limited & other Subsidiaries of Coal India Limited	-	-
Overdraft against Pledge of Term Deposit	-	-
Other Loans and Advances		
Deferred Credits	-	-
Total :	-	-
CLASSIFICATION 1		
Secured	-	-
Unsecured	-	-
CLASSIFICATION 2		
Loan Guaranteed by directors & others		
Particulars of Loan	Amount ₹ in crore	Nature of Guarantee
	NIL	NIL

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 7

₹ in crore

TRADE PAYABLE	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
Sundry Creditors For Revenue Stores/Others	50.47	45.80
TOTAL	50.47	45.80

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 8

₹ in crore

OTHER CURRENT LIABILITIES	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
Current Maturities of Long Term Borrowings		
Term Loan From IBRD	-	-
Term Loan From JBIC	-	-
Term Loan From Export Development Corp., Canada	-	-
Term Loan From Liebherr France S.A., France	-	-
Loan From Coal India Limited	-	-
Surplus Fund from Coal India	-	-
For Capital (including Stores)	4.90	5.98
FOR EXPENSES :		
Salary Wages & Allowances	33.24	29.62
Power & Fuel	0.84	0.65
Others	89.69	80.20
	128.67	116.45
STATUTORY DUES :		
Sales Tax/VAT	-	-
Provident Fund & Pension Fund	19.28	16.09
Central Excise Duty	-	-
Royalty & Cess on Coal	-	-
Stowing Excise Duty	-	-
Clean Energy Cess	-	-
Other Statutory Levies	1.50	1.78
	20.78	17.87
Income Tax Deducted at Source	0.42	0.42
Security Deposit	4.05	2.15
Earnest Money	2.38	2.37
Advance & Deposit from customers / others	5.30	4.74
Interest Accrued and due on Borrowings	-	-
Interest Accrued but not due on Borrowings	-	-
Cess Equilisation Account	-	-
Current Account with IICM	-	-
Unpaid Dividend	-	-
Advance Deposit other Pre-Nationalisation	-	-
Others Liabilities	76.81	78.99
TOTAL	238.41	222.99



CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 9

₹ in crore

SHORT TERM PROVISIONS	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
For Employee Benefits		
- Gratuity	23.84	19.68
- Leave Encashment	15.58	12.43
- PPLB	9.33	7.22
- PRP (Additional Note - 34 Para 7.3)	192.50	165.48
- Other Employee Benefits	18.11	17.51
For Proposed Dividend	-	-
For Corporate Dividend Tax	-	-
For Excise Duty on Closing Stock of Coal	-	-
For Others	0.02	0.02
TOTAL	259.38	222.34

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 10A

FIXED ASSETS

(Additional Note - 34 Para 4.0)

₹ in crore

PARTICULARS	GROSS BLOCK				DEPRECIATION				IMPAIRMENT LOSS				NET BLOCK	
	As on 01.04.14	Addition during 2014-15	Adj./Sales/Transfer during 2014-15	As on 31-03-15	As on 01.04.14	Addition during 2014-15	Adj./Sales/Transfer during 2014-15	As on 31-03-15	As on 01.04.14	Addition during 2014-15	Adj./Sales/Transfer during 2014-15	As on 31-03-15	As on 31-03-15	As on 31-03-14
Tangible Assets														
Land														
(a) Freehold	1.15	-	-	1.15	-	-	-	-	-	-	-	1.15	1.15	1.15
(b) Leasehold	2.19	-	-	2.19	0.83	0.02	0.06	0.85	-	-	-	1.34	1.36	1.36
Building/Water Supply/Road & Culverts	41.86	0.80	0.05	42.71	15.26	1.56	0.06	16.88	-	-	-	25.83	26.60	26.60
Plant & Machinery	109.73	10.56	[1.62]	118.67	76.90	7.21	[1.22]	82.89	-	-	-	35.78	32.83	32.83
Telecommunication	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Railway Sidings	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Furniture & fittings/ Office Tools & Equipments/ Electrical Fittings/ Fire Arms	14.00	1.62	-	15.62	9.12	2.12	(0.17)	11.07	-	-	-	4.55	4.88	4.88
Vehicle	12.01	3.59	[0.70]	14.90	7.38	1.22	[0.67]	7.93	-	-	-	6.97	4.63	4.63
Aircraft	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Development	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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NOTE - 10 B
CAPITAL WORK-IN-PROGRESS

PARTICULARS	COST				PROVISION				IMPAIRMENT LOSS				Total Depreciation/ Impairment Loss		NET BLOCK	
	As on 01.04.14	Addition during 2014-15	Adj./Sales/Transfer during 2014-15	As on 31-03-15	As on 01.04.14	Addition during 2014-15	Adj./Sales/Transfer during 2014-15	As on 31-03-15	As on 01.04.14	Addition during 2014-15	Adj./Sales/Transfer during 2014-15	As on 31-03-15	Impairment Loss		As on 31-03-15	As on 31-03-14
Tangible Assets																
Building/Water Supply/ Road & Culverts	7.34	6.11	(0.74)	12.71	-	-	-	-	-	-	-	-	-	-	12.71	7.34
Plant & Machinery	17.59	13.16	(14.02)	16.73	-	-	-	-	-	-	-	-	-	-	16.73	17.59
Railway Sidings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	24.93	19.27	(14.76)	29.44	-	-	-	-	-	-	-	-	-	-	29.44	24.93
Tangible Assets (As on 31.03.14)	10.83	17.92	(3.82)	24.93	-	-	-	-	-	-	-	-	-	-	24.93	10.83

NOTE - 10 C

PARTICULARS	COST				PROVISION				IMPAIRMENT LOSS				Total Depreciation/ Impairment Loss		NET BLOCK	
	As on 01.04.14	Addition during 2014-15	Adj./Sales/Transfer during 2014-15	As on 31-03-15	As on 01.04.14	Addition during 2014-15	Adj./Sales/Transfer during 2014-15	As on 31-03-15	As on 01.04.14	Addition during 2014-15	Adj./Sales/Transfer during 2014-15	As on 31-03-15	Impairment Loss		As on 31-03-15	As on 31-03-14
Intangible Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prospecting & Boring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
For the year ended 31.03.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intangible Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 11

₹ in crore

NON - CURRENT INVESTMENTS - Unquoted at Cost	Number of shares/bonds/ securities current year / (previous year)	Face value per shares/bonds/ security current year / (previous year) (₹)	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
TRADE				
8.5% Tax Free Special Bonds (Fully Paid up) :				
(on securitisation of Sundry Debtors)				
Major State-wise Break-up				
UP	-	-	-	-
Haryana	-	-	-	-
Maharashtra	-	-	-	-
Madhya Pradesh	-	-	-	-
Gujarat	-	-	-	-
West Bengal	-	-	-	-
Others	-	-	-	-
Equity Shares in Joint Venture Companies	-	-	-	-
(with name of joint ventures)				
Equity Shares in Subsidiaries Companies	-	-	-	-
(with name of Subsidiaries)				
Others (in Co-operative Shares)	-	-	-	-
NON-TRADE				
7.55% Non Convertible IRFC Tax Free Bonds 2021 Series	-	-	-	-
Total :			-	-
Aggregate of Quoted Investment			-	-
Aggregate of Unquoted Investment			-	-
Market Value of Quoted Investment			-	-
Provision made for diminution in the value of Investment				

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 12

₹ in crore

LONG TERM LOANS & ADVANCES	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
LOANS		
ADVANCES		
For Capital		
- Secured considered goods	-	-
- Unsecured considered goods	3.28	1.29
- Doubtful	-	-
	3.28	1.29
Less : Provision for Doubtful Loans and Advances	-	-
	3.28	1.29
For Revenue		
- Secured considered goods	-	-
- Unsecured considered goods	-	-
- Doubtful	-	-
	-	-
Less : Provision for Doubtful Loans and Advances	-	-
Security Deposits	-	-
- Secured considered goods	-	-
- Unsecured considered goods	0.13	0.13
- Doubtful	-	-
	0.13	0.13
Less : Provision for Doubtful Loans and Advances	-	-
	0.13	0.13
Deposit for P&T, Electricity etc.		
- Secured considered goods	-	-
- Unsecured considered goods	0.60	0.51
- Doubtful	-	-
	0.60	0.51
Less : Provision for bad and doubtful Loans trade receivables	-	-
	0.60	0.51
LOAN TO EMPLOYEES & OTHERS		
For House Building		
- Secured considered goods	0.06	0.09
- Unsecured considered goods	-	-
- Doubtful	-	-
	0.06	0.09
For Motor Car and Other Conveyance		
- Secured considered goods	-	-
- Unsecured considered goods	-	-



- Doubtful	-	z-		
For Others				
- Secured considered goods	-	-		
- Unsecured considered goods	-	-		
- Doubtful	-	-		
Less : Provision for Doubtful Loans and Advances	-	-		
Loan To Subsidiaries				
- Secured considered goods	-	-		
- Unsecured considered goods	-	-		
- Doubtful	-	-		
TOTAL	4.07	2.02		
Note				
	As on		MAXIMUM AMOUNT DUE AT ANY TIME DURING	
	31-03-2015	31-03-2014	2014-15	2013-14
Due by the Companies under the same management	NIL	NIL	NIL	NIL
Due by the parties in which the Director(s) of company is /are interested	NIL	NIL	NIL	NIL

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 13

₹ in crore

OTHER NON-CURRENT ASSETS		As at 31-03-2015 (Audited)		As at 31-03-2014 (Audited)
Long Term Trade Receivable				
- Secured considered goods		-		-
- Unsecured considered goods		-		-
- Doubtful		-		-
Less Provision for bad and doubtful trade receivables		-		-
Exploratory Drilling Work				
- Secured considered goods		-		-
- Unsecured considered goods		-		-
- Doubtful		-		-
Less Provision for bad and doubtful trade receivables		-		-
Other Receivables				
- Secured considered goods		-		-
- Unsecured considered goods		0.02		0.02

- Doubtful		-		-
		0.02		0.02
Less Provision for bad and doubtful trade receivables		-		-
		0.02		0.02
TOTAL		0.02		0.02
Note				
	CLOSING BALANCE		MAXIMUM AMOUNT DUE AT ANY TIME DURING	
	As on 31-03-2015	As on 31.03.14	2014-15	2013-14
Due by the Companies under the same management	NIL	NIL	NIL	NIL
Due by the parties in which the Director(s) of company is /are interested	NIL	NIL	NIL	NIL

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 14

₹ in crore

CURRENT INVESTMENTS - Quoted / Unquoted at Cost	Number of shares/bonds/securities current year / (previous year)	Face value per shares/bonds/security current year / (previous year) (r)	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
NON-TRADE				
Mutual Fund Investment	-	-	-	-
{ with name of mutual fund }				
7.55% Non Convertible IRFC Tax Free Bonds 2021 Series				
TRADE				
8.5% Tax Free Special Bonds (Fully Paid up) :				
(on securitisation of Sundry Debtors)				
Major State-wise Break-up				
Total :			-	-
Aggregate of Quoted Investment			-	-
Aggregate of Unquoted Investment			-	-
Market Value of Quoted Investment			-	-
Market Value of Unquoted Investment			-	-
Provision made for diminution in the value of Investment			-	-

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 15

₹ in crore

INVENTORIES		As at	As at
(Valuation as per Accounting Policy No. 5.1 Note - 33)		31-03-2015	31-03-2014
		(Audited)	(Audited)
	Stock of Coal	-	-
	Coal Under Development	-	-
	Less : Provision	-	-
A	Stock of Coal (Net)	-	-
	Stock of Stores & Spare Parts (at cost)	6.42	6.13
	Stores -in -transit	0.09	0.06
	Less : Provision (Additional Note-34 Para 2.1.2)	0.41	0.42
B	Net Stock of Stores & Spare Parts (at cost)	6.10	5.77
C	Workshop Jobs :		
	Work-in-progress and Finished Goods	-	-
	Less : Provision	-	-
	Net Stock of Workshop Jobs	-	-
D	Press :		
	Work-in-Progress and Finished Goods	-	-
E	Stock of Medicine at Central Hospital	-	-
F	Prospecting & Boring/ Development Exp./Coal Blocks meant for Sale	-	-
	Total (A to F)	6.10	5.77

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 16

₹ in crore

TRADE RECEIVABLE	As at	As at
	31-03-2015	31-03-2014
	(Audited)	(Audited)
Debts outstanding for a period exceeding six months from the due date		
- Secured considered goods	-	-
- Unsecured considered goods	67.94	88.90
- Doubtful	2.78	2.84
	70.72	91.74
Less Provision for bad and doubtful trade receivables	2.78	2.84
	67.94	88.90

Other Debts				
- Secured considered goods	-		-	
- Unsecured considered goods	168.42		109.44	
- Doubtful	-		-	
	168.42		109.44	
Less Provision for bad and doubtful trade receivables	-		-	
	168.42		109.44	
Total	236.36		198.34	
Note				
	CLOSING BALANCE		MAXIMUM AMOUNT DUE AT ANY TIME DURING	
	As on 31-03-15	As on 31-03-14	During 2014-15	During 2013-14
Due by the Companies under the same management				
Eastern Coalfields Limited	13.42	20.52	48.72	32.22
Bharat Coking Coal Limited	42.93	31.02	71.44	45.43
Central Coalfields Limited	20.89	40.52	82.19	58.60
Western Coalfields Limited	4.50	3.42	23.37	18.45
South Eastern Coalfields Limited	32.82	3.13	44.86	70.87
Northern Coalfields Limited	23.27	15.67	42.35	17.99
Mahanadi Coalfields Ltd.	20.50	23.75	32.96	30.64
North East Coalfields	0.59	0.74	0.74	0.89
Kakri CHP (NCL)	0.14	0.14	0.14	0.14
Dankuni Coal Complex (CIL)	0.02	0.02	0.02	0.02
Bharatpur CHP (MCL)	0.01	0.01	0.01	0.01
Coal India Africana Limitada	0.97	0.00	0.97	0.00
CIL, Kolkata	37.44	24.94	37.44	43.15
MJSJ Coal Co. Ltd	0.24	0.24	0.24	0.24
MNH Shakti Ltd.	0.29	0.30	0.40	0.29
Total	198.03	164.42	385.85	318.94
Due by the parties in which the Director(s) of company is / are interested	NIL	NIL	NIL	NIL



CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 17

₹ in crore

	CASH & CASH EQUIVALENTS	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
	Cash & Cash Equivalents		
	Balances with Scheduled Banks		
	- SBI Dividend Account (unpaid/unclaimed dividend account)	-	-
	- In Deposit Accounts with maturity upto 3 months	-	-
	- In Current Accounts	82.61	108.05
	- In Cash Credit Accounts	-	-
	Balances with Non - Scheduled Banks	-	-
	In Account with Banks outside India	-	-
	Remittance - in transit	-	-
	Cheques, Drafts and Stamps on hand	0.01	0.05
	Cash on hand	0.09	0.08
	Deposit with Scheduled Banks under Shifting and Rehabilitation Fund Scheme with maturity upto 3 months	-	-
	Other Bank Balances		
	Balances with Scheduled Banks		
	- In Deposit Accounts with maturity more than 3 months	3.21	1.00
	Deposit with Scheduled Banks under Shifting and Rehabilitation Fund Scheme with maturity more than 3 months	-	-
	Deposit with Scheduled Banks under Mine Closure Plan Scheme	-	-
	Total	85.92	109.18
	Maximum amount outstanding with Banks other than Scheduled Banks at any time during the year	-	-
	Note:		
1	Balances with banks to the extent held as margin money or security against the borrowings, guarantees, other commitments, other earmarked balances shall be disclosed separately.	NIL	NIL
2	Repatriation restrictions, if any, in respect of cash and bank balances shall be separately stated.	NIL	NIL
3	Bank deposits with more than 12 months maturity	NIL	NIL
4	To be in Escrow Account	NIL	NIL

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 18

₹ in crore

SHORT TERM LOANS & ADVANCES		As at 31-03-2015 (Audited)		As at 31-03-2014 (Audited)
LOANS				
ADVANCE				
(Recoverable in cash or in kind or for value to be received)				
ADVANCE TO SUPPLIERS				
For Revenue				
- Secured considered good				-
- Unsecured considered good		0.67		0.58
- Doubtful		-		-
		0.67		0.58
Less Provision for bad and doubtful trade receivables		-		-
		0.67		0.58
		0.67		0.58
ADV PAYMENT OF STATUTORY DUES				
SalesTax				
- Secured considered good		-		-
- Unsecured considered good		3.72		1.67
- Doubtful		-		-
		3.72		1.67
Less Provision for bad and doubtful trade receivables		-		-
		3.72		1.67
Advance Income Tax / Tax Deducted at Source (Reference Additional Note 34 Para 6.0)		207.44		144.14
Less : Provision for Income Tax		103.61		84.47
		103.83		59.67
Others				
- Secured considered good		-		-
- Unsecured considered good		0.44		0.09
- Doubtful		-		-
		0.44		0.09
Less Provision for bad and doubtful trade receivables		-		-
		0.44		0.09

		107.99		61.43
Advance to Employees				
- Secured considered good		-		-
- Unsecured considered good (Additional Note 34 Para 7.3)		38.90		41.06
- Doubtful		-		-
		38.90		41.06
Less Provision for bad and doubtful trade receivables		-		-
		38.90		41.06
Current Account with Coal India Limited & other Subsidiaries of Coal India Limited		192.20		190.27
Loan Account with Subsidiaries				
- Secured considered good		-		-
- Unsecured considered good		-		-
- Doubtful		-		-
		-		-
Less Provision for bad and doubtful trade receivables		-		-
		-		-
Claims Receivables				
- Secured considered good		-		-
- Unsecured considered good		20.03		22.78
- Doubtful		0.08		0.09
		20.11		22.87
Less Provision for bad and doubtful trade receivables		0.08		0.09
		20.03		22.78
Prepaid Expenses		0.60		0.39
		251.73		254.50
TOTAL		360.39		316.51
Note				
	CLOSING BALANCE		MAXIMUM AMOUNT DUE AT ANY TIME DURING	
	As on 31-03-15	As on 31-03-14	2014-15	2013-14
Due by the Companies under the same management	192.20	190.27	192.20	190.27
Due by the parties in which the Director(s) of company is / are interested	Nil	Nil	Nil	Nil

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO BALANCE SHEET (CONTD...)

NOTE - 19

₹ in crore

OTHER CURRENT ASSETS	As at 31-03-2015 (Audited)	As at 31-03-2014 (Audited)
Interest Accrued		
- Investment	-	-
- Deposit with Banks	-	-
- Others	-	-
Ex Owner's Account	-	-
Other Advances	-	-
Less : Provision	-	-
DEPOSITS	-	-
Deposit for Customs Duty, Port Charges etc.	-	-
Deposit with Coal India Limited	-	-
Deposit for Royalty, Cess & Sales Tax	-	-
Less : Provision	-	-
Others	0.05	0.05
Less : Provision	-	-
Amount Receivable from Govt of India for transactions on behalf of Ex-Coal Board	-	-
Less : Provision	-	-
Other Receivables	-	-
Less : Provision	-	-
TOTAL	0.05	0.05

NOTE - 20

₹ in crore

Revenue From Operations	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
A Sale of Services	816.54	727.45
Less : Excise Duty	-	-
Less : Other Levies	-	-
Royalty	-	-
Cess on Coal	-	-
Stowing Excise Duty	-	-
Central Sales Tax	-	-
Clean Energy Cess	-	-
State Sales Tax/VAT	-	-
Other Levies (Service Tax)	89.82	80.02
TOTAL LEVIES	89.82	80.02
Net Sales (A)	726.72	647.43
B Facilitation charges for coal import		
Subsidy for sand stowing and protective works	-	-
Loading and additional transportation charges	-	-
Less:- Excise Duty	-	-
Less:- Other Levies	-	-
Other Operating Revenue (B)	-	-
C Revenue From Operations(A+B)	726.72	647.43



CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO STATEMENT OF PROFIT & LOSS (CONTD...)

NOTE - 21

₹ in crore

OTHER INCOME	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
Income From Long Term Investments		
Dividend from Joint Ventures	-	-
Dividend from Subsidiaries	-	-
Interest from		
Government Securities (8.5% Tax Free Special Bonds) (Trade)	-	-
Income From Current Investments		
Dividend from Mutual Fund Investments	-	-
Interest from		
Government Securities (8.5% Tax Free Special Bonds) (Trade)	-	-
7.55% Non Convertible IRFC Tax Free Bonds 2021 Series (Non-Trade)	-	-
Income From Others		
Interest (Gross)		
From Deposit with Banks	0.52	0.61
From Loans and Advances to Employees	-	0.12
From Income Tax Refunds	-	-
From Coal India	-	-
Others	-	-
Apex Charges		
Subsidy for Sand Stowing & Protective Works	-	-
Profit on Sale of Assets	0.22	0.18
Recovery of Transportation & Loading Cost	-	-
Gain on Foreign exchange Transactions	-	-
Exchange Rate Variance	-	-
Lease Rent	-	-
Liability Write Backs	-	-
Guarantee Fees from Subsidiaries	-	-
Other non-operating Income	4.74	4.10
TOTAL	5.48	5.01

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO STATEMENT OF PROFIT & LOSS (CONTD...)

NOTE - 22

₹ in crore

	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
COST OF MATERIAL CONSUMED		
Explosives	-	-
Timber	-	-
P O L	7.95	7.55
HEMM Spares	-	-
Other Consumable Stores & Spares	13.48	12.44
TOTAL	21.43	19.99

NOTE - 23

₹ in crore

	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
CHANGE IN INVENTORIES OF FINISHED GOODS, WORK IN PROGRESS AND STOCK IN TRADE		
Opening Stock of Coal	-	-
Add: Adjustment of opening stock	-	-
Less: Deterioration of Coal	-	-
Less:		
Closing Stock of Coal / Coke	-	-
Less: Deterioration of Coal	-	-
A Change in Inventory of Coal		
Opening Stock of Workshop made finished goods and WIP	-	-
Less: Provision	-	-
Less:		
Closing Stock of Workshop made finished goods and WIP	-	-
Less: Provision	-	-
B Change in Inventory of workshop		
Press Opening Job		
i) Finished Goods	-	-
ii) Work in Progress	-	-
Less:		
Press Closing Job		
i) Finished Goods	-	-
ii) Work in Progress	-	-
C Change in Inventory of closing Stock of Press job made finished goods and WIP	-	-
Change in Inventory of Stock of trade		
[A+B+C]	-	-
[Decretion / [Accretion]]		

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO STATEMENT OF PROFIT & LOSS (CONTD...)

NOTE - 24

₹ in crore

EMPLOYEE BENEFIT EXPENSES	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
Salary, Wages, Allowances ,Bonus & Benefits	237.04	222.88
Exgratia	10.75	8.17
PRP	27.02	28.33
Contribution to P.F. & Other Funds	32.84	30.00
Gratuity	16.25	8.60
Leave Encashment	23.41	15.68
VRS	-	-
Workman Compensation	0.02	0.02
Medical Expenses for existing employees	7.47	6.22
Medical Expenses for retired employees	0.04	13.51
Grants to Schools & Institutions	0.09	0.12
Sports & Recreation	0.51	0.36
Canteen & Creche	0.21	0.19
Power - Township	2.31	2.51
Hire Charges of Bus, Ambulance etc.	0.40	0.27
Other Employee Benefits	44.37	41.18
TOTAL	402.73	378.04

NOTE - 25

₹ in crore

CSR EXPENSES	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
CSR Expenses	1.68	1.82
TOTAL	1.68	1.82

NOTE - 26

₹ in crore

REPAIRS	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
Building	5.73	4.05
Plant & Machinery	2.69	1.98
Others	6.80	8.22
TOTAL	15.22	14.25

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO STATEMENT OF PROFIT & LOSS (CONTD...)

NOTE - 27

₹ in crore

CONTRACTUAL EXPENSES	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
Transportation Charges :		
- Sand	-	-
- Coal & Coke	-	-
- Stores & Others etc.	-	-
Wagon Loading	-	-
Hiring of P&M	-	-
Other Contractual Work	191.09	152.27
TOTAL	191.09	152.27

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO STATEMENT OF PROFIT & LOSS (CONTD...)

NOTE - 28

₹ in crore

FINANCE COSTS	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
INTEREST		
Deferred Payments	-	-
Bank Overdraft / Cash Credit	-	-
Interest on IBRD & JBIC Loan	-	-
CIL Fund Loan Interest	-	-



Interest to Subsidiaries	-	-
Others	0.24	0.17
TOTAL(A)	0.24	0.17
OTHER BORROWING COSTS		
Guarantee Fees on (IBRD & JBIC) Loan	-	-
Other Expenses / Bank Charges	-	-
TOTAL(B)	-	-
TOTAL (A+B)	0.24	0.17

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO STATEMENT OF PROFIT & LOSS (CONTD...)

NOTE - 29

₹ in crore

PROVISIONS	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
(A) PROVISION MADE FOR		
Doubtful debts	-	-
Doubtful advances & Claims	-	-
Foreign exchange Transaction	-	-
Stores & Spares	-	-
Reclamation of Land/Mine Closure Expenses	-	-
Surveyed of Fixed Assets/Capital WIP	-	-
Others	-	0.18
TOTAL (A)	-	0.18
(B) PROVISION WRITTEN BACK		
Doubtful debts	0.06	0.27
Doubtful advances & Claims	-	-
Stores & Spares	0.01	0.10
Reclamation of Land	-	-
Surveyed of Fixed Assets/Capital WIP	-	-
Others	-	-
TOTAL (B)	0.07	0.37
TOTAL (A-B)	(0.07)	(0.19)

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO STATEMENT OF PROFIT & LOSS (CONTD...)

NOTE - 30

₹ in crore

WRITE OFF	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
Doubtful debts	-	-
Doubtful advances	-	-
Others	-	-
TOTAL	-	-

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO STATEMENT OF PROFIT & LOSS (CONTD...)

NOTE - 31

₹ in crore

OTHER EXPENDITURE	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
Travelling expenses		
- Domestic	15.72	13.58
- Foreign	0.47	0.96
Training Expenses	0.62	0.65
Telephone & Postage	1.13	0.72
Advertisement & Publicity	1.95	1.62
Freight Charges	-	-
Demurrage	-	-
Donation/Subscription	-	-
Security Expenses	6.80	5.85
Service Charges of CIL	-	-
Hire Charges	3.92	3.17

CMPDI Expenses	-	-
Legal Expenses	0.29	0.13
Bank Charges	0.05	0.05
Guest House Expenses	0.13	0.13
Consultancy Charges	2.58	0.57
Under Loading Charges	-	-
Loss on Sale/Discard/Surveyed of Assets	-	-
Auditor's Remuneration & Expenses		
- For Audit Fees	0.02	0.04
- For Taxation Matters	0.01	0.01
- For Company Law Matters	-	-
- For Management Services	-	-
- For Other Services	0.14	0.10
- For Reimbursement of Expenses	-	-
Internal Audit Expenses	0.41	0.37
Rehabilitation Charges	-	-
Royalty & Cess	-	-
Central Excise Duty	-	-
Rent	0.80	0.81
Rates & Taxes	0.62	0.48
Insurance	-	0.01
Loss on Exchange Rate Variance	-	-
Lease Rent	-	-
Rescue/Safety Expenses	-	-
Dead Rent/Surface Rent	-	-
Siding Maintenance Charges	-	-
Land/Crops Compensation	-	-
Environment & Tree Plantation	0.28	0.13
Miscellaneous Expenses	11.31	9.68
TOTAL	47.25	39.06

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

NOTES TO STATEMENT OF PROFIT & LOSS (CONTD...)

NOTE -32

₹ in crore

EXCEPTIONAL ITEMS		
PRIOR PERIOD ADJUSTMENT	For the year ended 31-03-2015 (Audited)	For the Year ended 31-03-2014 (Audited)
(A) Expenditure		
Travelling Expenditure	-	-
Employees Remuneration & Benefits	-	-
Contractual Expenses	-	-
Other Expenditure	-	-
TOTAL (A)	-	-
(B) Income		
Sale of Service	(0.01)	0.51
TOTAL (B)	(0.01)	0.51
TOTAL (A-B)	0.01	(0.51)

CASH FLOW STATEMENT

Cash Flow Statement for the year ended 31st March, 2015

Amount ₹ in crore

	Particulars		Figures for the	Figures for the
			Current Period	Previous year
			2014-15	2013-14
	1		2	3
I	CASH INFLOW			
(1)	From Operating Activities			
	(a) Profit from Operating Activities		39.33	34.60
	Adjustments			
	Depreciation and Amortization		10.94	-
	Amortisation of Stock			
	Amount transferred to CSR Reserve			
	Compensation			
	(Gain)/Loss on sale of Fixed Assets			
	Assets written off			
	Provision/ (Reversal) for Doubtful Debts & Advances			
	(b) Working Capital Changes			
	Decrease in Inventories		-	0.27
	Decrease in Trade Receivables		-	125.46
	Decrease in Short Term Loans & Advances		-	-
	Decrease in Other Non-Currnet Assets		-	-
	Increase in Trade Payables		4.67	13.37
	Increase in Current Liabilities		15.42	7.81
	Increase In Provisions - Short Term		37.04	23.89
	Increase In Provisions - Long Term		-	1.40
	(c) Deferred Tax Assets/Liabilities		-	-
	Total of (1)		107.40	206.80
(2)	From Investing Activities			
	(a) Sale of Tangible Assets / Capital Work -in-progerss			
	(b) Sale of intangible Assets / Assets under Development		-	3.40
	(c) Proceeds from Sale of Fixed Assets			
	(d) Proceeds from Sale of Investments			
	(e) Realisation of Long Term Loans & Advances from			
	Subliidiaries/Associates/Business Ventures			

	(f) Decrease in other Long Term Loans & Advances		-	-
	(g) Decrease in Deposit Accounts with maturity more than 3 months		-	-
	(h) Dividend Received			
	(i) Interest Received			
	(j) Other Income			
	Total of (2)			3.40
(3)	From Financing Activities			
	(a) Proceed from Issue of Share Capital			
	(b) Share Application Money pending Allotment			
	(c) Proceed from Long Term Borrowings/Provisions			
	(d) Proceed from Short Term Borrowings/ Govt Grants			1.42
	Total of (3)			1.42
	TOTAL CASH INFLOW (1+2+3)		107.40	211.62
Amount ₹ in crore				
	Particulars		Figures for the	Figures for the
			Current Period	Previous year
			2014-15	2013-14
	1		2	3
II	CASH OUTFLOW			
(1)	From Operating Activities			
	(a) Loss from Operating Activities			
	Adjustments			
	Depreciation and Amortization		-	0.58
	(b) Working Capital Changes			
	Increase in Inventories		0.33	
	Increase in Trade Receivables		38.02	-
	Increase in Short Term Loans & Advances		43.88	184.08
	Increase in Other Currnet Assets			
	Decrease in Trade Payables			-
	Decrease in Current Liabilities			-
	Decrease In Provisions - Long Term		0.22	-
	Decrease In Provisions - Short Term			
	(c) Deferred Tax Assets/Liabilities		4.84	6.05
	(d) Direct Tax Paid (Net of Refunds)		14.29	15.03
	Total of (1)		101.58	205.74
(2)	From Investing Activities			

	(a) Increase in Tangible Assets / Capital Work -in-progerss		18.83	13.31
	(b) Increase in Intangible Assets / Assets under Development		5.34	
	(c) Purchase of Investments			
	(d) Investment in Subsidiaries/Associates/BusinessVentures			
	(e) Payment of Long Term Loans & Advances to Sublidiaries/ Associates/Business Ventures		2.05	
	(f) Increase in other Long Term Loans & Advances		-	1.28
	(g) Increase in other Non-Current Assets			
	Total of (2)		26.22	14.59
(3)	From Financing Activities			
	(a) Repayment of Long Term Borrowings			
	(b) Repayment of ShortTerm Borrowings			
	(c) Dividend Paid (including distribution Tax)			
	(d) Proceed from Short Term Borrowings/ Govt Grants		2.86	-
	Total of (3)		2.86	
	TOTAL CASH OUTFLOW (1+2+3)		130.66	220.33
III	Net (decrease)/Increase in Cash and Cash equivalent (I - II)		-23.26	-8.71
	Add cash and Cash Equivalents at the beginning of the Period		109.18	117.89
IV	Cash and Cash Equivalents at the end of the Period		85.92	109.18
	In Deposit Accounts with maturity more than 3 months		3.21	1.00
	Balance as per Note 17		85.92	109.18

Sd.-
(P. Lazar)
Company Secretary

Sd.-
(D. K. Rao)
G. M (Finance)

Sd.-
(D. K. Ghosh)
Director

Sd.-
(A. K. Debnath)
Chairman-cum-Managing Director

In terms of our report of even date attached
For K.C.Tak & Co
Chartered Accountants
Firm Registration No.000216C

Sd.-
(CA ANIL JAIN)
Partner
Membership No. 079005

Date : 22nd May' 2015
Place : Ranchi

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED**NOTE - 33****Significant Accounting Policies****(Forming part of accounts for the year ended on 31/03/2015)****1.0 Accounting Convention:**

Financial statements are prepared under the historical cost convention and on accrual basis of accounting and going concern concept, in accordance with the generally accepted accounting principles in India and the relevant provisions of the Companies Act, 2013 including accounting standards notified there under, except otherwise stated.

1.1 Use of estimate

In preparing the financial statements in conformity with Accounting Principles generally accepted in India, management is sometimes required to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosures of contingent liability as at the date of financial statements and the amount of revenue and expenses during the reported period. Actual results may differ from those estimates. Any revision to such estimate is recognized in the period in which the same is determined.

2.0 Subsidies / Grants from Government:

- 2.1 Subsidies / Grants on capital account are deducted from cost of respective assets to which they relate. The unspent amount at the Balance Sheet date, if any, is shown as current liabilities.
- 2.2 Subsidies / Grants on revenue account are credited to Statement of Profit & Loss as income and the relevant expenses are debited to the respective heads of expenses. The unspent amount at the Balance Sheet date, if any, is shown as current liabilities.
- 2.3 Subsidies / Grants from Government received as an implementing agency:
 - 2.3.1 Certain Grants / 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.
 - 2.3.2 Grant / Funds received as Nodal/Implementing Agency are accounted for on the basis of receipts and disbursement.

3. Fixed Assets:**3.1 Land:**

Value of land includes cost of acquisition, cash rehabilitation expenses, resettlement cost and compensation in lieu of employment incurred for concerned displaced persons

3.2 Plant & Machinery:

Plant & Machinery includes cost & expenses incurred for erection / installation and other attributable costs of bringing those assets to working condition for their intended use

4. Investments:

Current investments are valued at the lower of cost and fair value as at the Balance Sheet date. Non-current investments are carried at cost. However, when there is a decline, other than temporary, in the value of the long term investment, the carrying amount is reduced to recognize the decline.

5. Inventories:

5.1 Stores & Spares:

- 5.1.1 The closing stock of stores and spare parts has been considered in the accounts as per balances appearing in priced stores ledger of the Central Stores and as per physically verified stores lying at the collieries/units.
- 5.1.2 Stock of stores & spare parts (which also includes loose tools) at central & area stores are valued at cost calculated on the basis of weighted average method. The year-end inventory of stores & spare parts lying at collieries / sub-stores / drilling camps/ consuming centres, initially charged off, are valued at issue price of Area Stores, Cost / estimated cost. Workshop jobs including work-in-progress are valued at cost. Similarly stock of stationery at printing press and medicines at central hospital are valued at cost.
- 5.1.3 Stock of stationery and scraps are not considered in inventory.
- 5.1.4 Provisions are made at the rate of 100% for unserviceable, damaged and obsolete stores and at the rate of 50% for stores & spares not moved for 5 years.

6. Depreciation:

- 6.1 Depreciation on fixed assets is provided on straight line method on the basis of useful life specified in Schedule II of Companies Act, 2013 except for assets mentioned below , for which depreciation is provided on the basis of technically estimated useful life which are lower than that envisaged as per schedule II of Companies Act, 2013 to depict a more true and fair rate of depreciation :-

Telecommunication equipment	:-	6 years
Photocopying machine	:-	4 years
Fax machine	:-	3 years
Computer	:-	3 years
Mobile phone	:-	3 years
Digitally enhance cordless telephone	:-	3 years
Printer & Scanner	:-	3 years
Earth Science Museum	:-	19 years
High volume respiratory dust samplers	:-	3 years
- 6.2 The residual value of all assets for depreciation purpose is considered as 5% of the original cost of the asset.
- 6.3 Depreciation on the assets added / disposed of during the year is provided on pro-rata basis with reference to the month of addition / disposal.
- 6.4 Cost of Software recognized as intangible asset, is amortized on straight line method over a period of legal right to use or three years, whichever is less; with a nil residual value.

7. Impairment of Asset:

Impairment loss is recognized wherever the carrying amount of an asset is in excess of its recoverable amount and the same is recognized as an expense in the statement of profit and loss and carrying amount of the asset is reduced to its recoverable amount.

Reversal of impairment losses recognized in prior years is recorded when there is an indication that impairment losses recognized for the asset no longer exist or have decreased.

8. Foreign Currency Transactions:

- 8.1 Balance of foreign currency transaction is translated at the rates prevailing on the Balance Sheet date and the corresponding effect is given in the respective accounts. Transactions completed during the year are adjusted on actual basis.
- 8.2 Transactions covered by cross currency swap options contracts to be settled on future dates are recognized at the rates prevailing on the Balance Sheet date, of the underlying foreign currency. Effects arising out of such contracts are taken into accounts on the date of settlement.

9. Retirement benefits / other employee benefits:

a. Defined contributions plans:

The company has defined contribution plans for payment of Provident Fund and Pension Fund benefits to its employees. Such Provident Fund and Pension Fund are maintained and operated by the Coal Mines Provident Fund (CMPF) Authorities. As per the rules of these schemes, the company is required to contribute a specified percentage of pay roll cost to the CMPF Authorities to fund the benefits.

b. Defined benefits plans:

The liability on the Balance Sheet date on account of gratuity and leave encashment is provided for on actuarial valuation basis by applying projected unit credit method.

c. Other employee benefits:

Further liability on the Balance Sheet date of certain other employee benefits viz. benefits on account of LTA/ LTC; Life Cover Scheme, Group Personal Accident Insurance Scheme, Settlement Allowance, Post Retirement Medical Benefits Scheme and compensation to dependants of deceased in mines accidents etc. are also valued on actuarial basis by applying projected unit credit method.

10. Recognition of Income and Expenditure:

Income and Expenditure are generally recognized on accrual basis and provision is made for all known liabilities.

10.1 Sales:

- a Revenue in respect of sales is recognized when the property in the goods with the risks and rewards of ownership are transferred to the buyer.
- b The revenue recognition is done where there is reasonable certainty of collection. On the other hand, revenue recognition is postponed in case of uncertainty as assessed by management.

10.2 Pricing:

Pricing of Consultancy services for exploration, mine planning/project reports, environmental plans and other Engineering services is based on the category of customers. The services rendered to CIL and its 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.

11. Taxation:

Provision of current income tax is made in accordance with the Income Tax Act, 1961. Deferred tax liabilities and assets are recognized at substantively enacted tax rates, subject to the consideration of prudence, on timing difference, being the difference between taxable income and accounting income that originate in one period and are capable of reversal in one or more subsequent period.

12. Provision:

A provision is recognized when an enterprise has a present obligation as a result of past event; it is probable that an outflow of resources embodying economic benefit will be required to settle the obligation, in respect of which a reliable estimate can be made. Provisions are not discounted to present value and are determined based on best estimate required to settle the obligation at the balance sheet date.

13. Contingent Liability:

Contingent liability is a possible obligation that arises from past events and the existence of which will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the enterprise or a present obligation that arises from past events but is not recognized because it is not probable that an outflow of resources embodying economic benefit will be required to settle the obligations or reliable estimate of the amount of the obligations cannot be made.

Contingent liabilities are not provided for in the accounts and are disclosed by way of Notes.

14. Prior Period Adjustments and Prepaid Expenses:

Income / expenditures relating to prior period and prepaid expenses, which do not exceed ` 0.10 Cr. in each case are treated as income / expenditure of current year.

15. Write Off

- 15.1 Stale cheques, which are more than three years old at the end of the period are written off.
- 15.2 Earnest Money and Security Deposit which are more than five years old at the end of the period are written off except disputed cases pending with court/arbitration.
- 15.3 Unclaimed liability other than that related to employees, lying for more than five years are written off except disputed cases pending with court/arbitration.

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED**Note – 34****Additional Notes on Accounts (Explanatory Notes to Accounts)****(Forming part of accounts for the year ended 31/03/2015)****1.0 FIXED ASSETS & DEPRECIATION****1.1 Fixed Assets**

- 1.1.1 Legal transfer of assets and liabilities from the Holding Company, Coal India Limited (CIL) on its reorganisation on 01/11/1975 is yet to be effected.
- 1.1.2 The Company has got constructed houses and office complex in BCCL Township in Dhanbad ₹ 3.80 Crores (Pr. Yr. ₹ 3.74 Crores), and NCL Township in Singrauli ₹4.21 Crores (Pr. Yr. ₹4.20 Crores) on the land belonging to other subsidiaries of the Holding Company.

1.2 Depreciation

- 1.2.1 Software will be amortized within three years or as per the life as per agreement of procurement of the software whichever is lower. Had the company followed the earlier rate of amortization of 100% the figure of Amortization would have been ₹ 7.55 crores. Due to change in accounting policy related to amortization of software, the net block of intangible asset has been overstated by ₹ 4.53 crores.
- 1.2.2 Value of lease-hold land is amortized over the lease period.
- 1.2.3 Pending identification of significant component of an asset, if any, which is in progress, the existing practice of providing depreciation on the basis of same useful life for the entire asset is continued.

2.0 STOCK OF STORES & SPARE PARTS

- 2.1.1 Machine-specific spares are capitalized along with the machines. There are no spares being machine-specific and of infrequent use which are to be capitalized in terms of Accounting Standard (AS) 2 read with AS 10.
- 2.1.2 The provision for Non-Moving & Obsolete Stores as on 31.03.15 is ₹ 0.41 crores, (Pr. Yr. ₹ 0.42 crores) [Reference Note No -15].

3.0 LOANS & ADVANCES / DEBTORS**3.1 Current Accounts and Sundry Debtors Accounts with CIL Subsidiaries**

- 3.1.1 Reconciliation of inter-company transactions in Current Accounts with other Subsidiaries of CIL has been carried out upto 31/03/2015. The agreed Current Account balances with the CIL Subsidiaries as on 31/03/2015 were transferred to CIL Current Account. Subsequently, if during the course of audit or otherwise any debit/credit advice received/sent from/to the Subsidiaries with respect to the periods upto 31/03/2015 is considered under Subsidiary Suspense Account.
- 3.1.2 Sundry Debtors of ₹ 238.87 Crores (Pr. Yr. ₹ 201.18 Crores) includes ₹ 198.03 Crores (Pr. Yr. ₹ 164.42 Crores) due from companies under same management [Reference Note No.-16]. Since 01/4/1993 the system of acceptances of bills by CIL Subsidiaries has been introduced for adjustment of accounts with CIL. Acceptances of bills are regularly monitored.

CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

4.0 Details of Assets as per Note No. 10A

(A) Fixed Assets & Software (Excluding Assets - S&T CCDA, EMSC, UNDP, PRE, CIL R&D etc.)

Amount (₹ in crore)

PARTICULARS	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As on 01-04-14	Addition during year ended 2014-15	Adj./Sales/ Transfer during year ended 2014-15	As on 31-12-14	As on 01-04-14	Addition during year ended 2014-15	As on 31-03-15	As on 31-03-14
Land								
(a) Freehold	1.15			1.15		-	1.15	1.15
(b) Leasehold	2.19			2.19	0.83	0.02	1.34	1.36
Buildings	41.55	0.80	0.05	42.40	15.21	1.56	25.58	26.34
Plant & Machinery	74.26	10.56	[1.21]	83.61	48.33	4.80	31.58	25.93
Furniture & fittings/ Office Equipments etc.	13.32	1.61	[0.25]	14.68	8.64	2.01	4.19	4.68
Vehicle	11.97	3.59	[0.71]	14.85	7.34	1.22	6.96	4.63
TOTAL (A) - Fixed Assets	144.44	16.56	[2.12]	158.88	80.35	9.61	70.80	64.09
Software	1.26	4.63	[0.51]	5.38	1.26	0.71	3.92	
(B) Fixed Assets & Software (S&T CCDA, EMSC, UNDP, PRE, CIL R&D etc.)								
Land								
(a) Freehold	-	-	-	-	-	-	-	-

(b) Leasehold	-	-	-	-	-	-	-	-	-	-	-	-
Buildings	0.31				0.31	0.05			0.01	0.06	0.25	0.26
Plant & Machinery	35.47		[0.41]		35.06	28.57		2.41	[0.12]	30.86	4.20	6.90
Furniture & fittings/ Office Equipments etc.	0.68	0.01	0.25		0.94	0.48		0.11	[0.01]	0.58	0.36	0.20
Vehicle	0.04		0.01		0.05	0.04				0.04	0.01	-
TOTAL (B) - Fixed Assets	36.50	0.01	[0.15]		36.36	29.14		2.52	[0.12]	31.54	4.82	7.36
Software-	0.95	1.22			2.17	0.95		0.61		1.56	0.61	
TOTAL (A+B) Fixed Assets	180.94	16.57	[2.27]		195.24	109.49		12.13	[0.12]	119.62	75.62	71.45
TOTAL (A+B) Software	2.21	5.85	[0.51]		7.55	2.21		1.32	[0.51]	3.02	4.53	-

5.1. CAPITAL RESERVE : (Note No.2) 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 :

Amount (₹ 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		4.69	0.05	0.08	-	6.48	1.21	0.08	12.59
Addition							0.27		0.27
		4.69	0.05	0.08	-	6.48	1.48	0.08	12.86
Less : Depreciation & Adjustment		2.14		0.01		0.32	0.65	0.01	3.13
TOTAL AS ON 31-03-2015		2.55	0.05	0.07	-	6.16	0.83	0.07	9.73

Figures as on 31.03.2014			4.69	0.05	0.08	-	6.48	1.21	0.08	12.59	
5.2. Grants/Funds received under S&T, PRE, Detailed Drilling, R&D etc and disbursement thereof during the period are as below :											
Amount (₹ in crore)											
PARTICULARS		S&T GRANTS	PRE GRANTS	CCDA GRANTS	DETAILED EXPLORATION FOR NON-CIL	MINISTRY OF STEEL	CIL R&D FUNDS				
Opening Balance as on 01-04-2014		1.47	3.18	0.20	45.90	0.43	3.49				
Addition											
1. MINISTRY OF COAL		17.94	57.05	-	135.71	-	-				
2. MINISTRY OF STEEL		-	-	-	-	-	-				
3. CIL KOLKATA		-	-	-	-	-	14.92				
4 ADJUSTMENT			0.30								
5. BANK INTEREST ON FUND		0.39	0.29	0.01	2.35	-	0.94				
	TOTAL	19.80	60.82	0.21	183.96	0.43	19.35				
Less : Disbursement / Utilisation		16.16	60.42	-	143.32	0.17	13.52				
Closing Balance as on 31-03-2015		3.64	0.40	0.21	40.64	0.26	5.83				

6.1 INCOME TAX:

Income Tax advance of ₹ 207.44 Crores (Pr. Yr. ₹ 144.14 Crores). [Reference Note No-18] includes ₹ 22.31 Crores payments under protest against assessments for the years upto Assessment Year 2012-13. Income Tax provision of ₹103.57 Crores [Reference Note No-18] includes provision up to 31.03.2015

6.2 SERVICE TAX

Claims Receivables includes ₹ 5.05 crores recovered by Central Excise Department on account of disputed service tax, interest and penalty for earlier years. The company has filed Writ Petition before Hon'ble Jharkhand High Court to set aside Commissioner Central Excise & Service Tax's order.

7.0 CURRENT LIABILITIES & PROVISIONS:

7.1 Liabilities under Coal Mines Pension Scheme

- 7.1.1 Current Liabilities ₹0.15 Crores (Pr. Yr. ₹0.27 Crores) which includes ₹0.11 Crores deductions which could not be remitted due to certain employees being Non-CMPF members and deceased CMPF members not yet opted for pension.
- 7.1.2 There is also a liability for ₹0.01 Crores (Pr. Yr. ₹0.01 Crores) payable to the Pension Scheme being the additional increments granted by the Company w.e.f. 01/7/1995.
- 7.1.3 The above amounts of liabilities are inclusive of interest at the rate applicable to CMPF.

7.2 Others

- 7.2.1 The liability for contractual drilling is provided on the basis of 100% value of meterage drilled for the period less payments made against such drilling.
- 7.2.2 Provision of ₹18.60 Crores (Pr. Yr. ₹15.58 Crores) and ₹42.16 Crores (Pr. Yr. ₹ 35.26 Crores) have been made in respect of Pension and Superannuation Benefit respectively w.e.f. 01.01.2007 (for executives only) as per actuarial valuation.
- 7.2.3 Under the Micro, Small and Medium Enterprises Development Act, 2006, which came into force on October 2, 2006, certain disclosures are required to be made relating to Micro, Small and Medium Enterprises. The company is in the process of compiling relevant information from its suppliers about their coverage under the Act. Since the relevant information is not complete, no disclosures have been made in the Accounts.

7.3 Performance Related Pay

The company has made provision for Lumpsum Recoverable Advance against Performance Related Pay (PRP) for Executives ₹ 192.50 crores (i.e. for financial years 2007-08, 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14 & 2014-15 amounting to ₹16.05 crores, ₹10.90 crores, ₹28.20 crores, ₹29.77 crores, ₹24.53 crores, ₹27.70, ₹28.33 & ₹ 27.02 crores in respective years) [Reference Note No-9]. The net amount of PRP ₹37.57 crores included in Note No.18 "Advance to Employee" is net of PRP Advance recovered from retiring employees on their superannuation.

8.0 THEFT & SNATCHING CASES

Theft Case amounting to ₹ 0.01crores has been reported during the period.

9.0 DIRECTORS' REMUNERATION

Amount (₹ in Crores)

		Current Year 2014-15	Previous Year 2013-14
(i)	Salary & Allowances including LTC/Leave Encashment	1.02	0.74
(ii)	Provident Fund	0.12	0.09
(iii)	Medical Expenses	0.10	0.04
(iv)	Value of Perquisites	0.19	0.16
(v)	Gratuity Paid	0.00	0.10
(vi)	Sitting Fees	0.02	0.04

10.0 EARNINGS, EXPENDITURE ETC. IN FOREIGN CURRENCY

10.1 Expenditure in Foreign Currency

Amount (₹ in Crores)

		Current Year 2014-15	Previous Year 2013-14
(i)	Foreign training /tour, books & others	6.31	1.59
(ii)	Consultancy fee	0.00	0.00
	Total	6.31	1.59

10.2 Value of Imports Calculated on CIF Basis.

Amount (₹ in Crores)

		Current Year 2014-15	Previous Year 2013-14
(i)	Capital Goods	4.96	0.62
(ii)	Spares & Components	1.08	0.03
	Total	6.04	0.65

10.3 Earnings in Foreign Exchange

Nil

10.4 Value of imported and indigenous stores and spare parts consumed and percentage thereof to the total consumption

Amount (₹ in Crores)

		Current Year 2014-15		Previous Year 2013-14	
		Value	Percentage	Value	Percentage
(i)	Imported	0.00	0.00	0.00	0.00
(ii)	Indigenous	21.43	100.00	19.99	100.00
	Total	21.43	100.00	19.99	100.00

11.0 CONTINGENT LIABILITY

11.1 Claims against the Company not acknowledged as debt

- 11.1.1 Income Tax: In respect of completed assessment pending in appeal ₹ 23.06 Crores (Pr. Yr. ₹22.34 Crores).
- 11.1.2 Entry Tax : In respect of F/Y 2002-03 pending before Commissioner of Commercial Tax ₹0.17 Crores (Pr. Yr. ₹ 0.17 Crores).
- 11.1.3 (i) Service Tax : In respect of completed assessment ₹ 5.46 crores (Pr. Yr. ₹ 5.46 Crores) including ₹ 5.05 crores shown as claim receivable on account of disputed service Tax, interest and penalty for earlier year. The company has filed Writ Petition before Hon'ble Jharkhand High Court to set aside Commissioner Central Excise & Service Tax's order.
- (ii) In respect of observation raised by Central Excise, Customs & Service Tax Department, Bhubaneshwar ₹ 0.58 Crores.
- (iii) In respect of demand raised by OSHB, Bhubaneshwar ₹ 0.22 Crores
- (iv) ₹ 0.49 crores (for 2003-04) in respect of which Department has appealed against the original order of CIT which is in favour of CMPDIL.
- 11.1.4 Other disputed claims pending in the courts and not provided for amount to ₹ 8.45 Crores (Pr. Yr. ₹ 7.11 Crores).

11.2 LC opened pending maturity during the period ₹ Nil (Previous year as on 31/03/2014 ₹ Nil).

11.3 Estimated value of contracts remaining to be executed on capital account and not provided for amounts to ₹ 30.35 Crores (Pr. Yr. ₹18.57 Crores).

11.4 Other matters :

- 11.4.1 There are certain suits pending in courts arising out of industrial and other disputes. The quantum of contingent liability in this regard could not be ascertained.
- 11.4.2 There is a counter guarantee of ₹0.14 Crores (Pr. Yr. ₹ 0.14 Crores) issued by the Company in favour of Bank for issuing Bank Guarantee on behalf of the Company.

12.0 DEFERRED TAX

As per Accounting Standard (AS - 22) on Accounting for taxes on Income issued by the Institute of

Chartered Accountants of India, the provision for deferred tax assets and liabilities as at 31.03.2015 has been computed at ₹112.65 Crores and ₹6.22 Crores respectively. Net Deferred tax as at 31.03.2015 comprises of the following:

Amount (₹ in Crores)

		As on 31/03/2015	As on 31/03/2014
A)	Deferred Tax Asset		
	Difference in WDV of Software	0.00	0.17
	Provision for obsolescence/ Non – moving	0.14	0.14
	Provision for doubtful debts	0.97	0.99
	Provision for Leave Encashment, Gratuity & other terminal benefits	111.54	106.59
	Total (A)	112.65	107.89
B)	Deferred Tax Liability		
	Difference in WDV of Assets	5.89	6.30
	Difference in WDV of Software	0.33	0.00
	Total (B)	6.22	6.30
C)	Deferred Tax Asset (Net A – B)	106.43	101.59

13.0 SEGMENT-WISE PROFIT & LOSS STATEMENT :

Amount (₹ in Crores)

PARTICULARS	P&D	EXPLORATION	ENVIRONMENT	TOTAL
REVENUE				
Sales of Services	221.08	476.68	28.96	726.72
Misc. Income	5.00	0.43	0.05	5.48
Total Revenue	226.08	477.11	29.01	732.20
Result	62.94	85.42	6.26	154.62
Unallocated Corporate Expenses				115.29
Profit/Loss before Tax				39.33
Provision for Income Tax				19.13
Provision Deferred Tax				-4.84
Profit after Tax				25.04

14.0 ACTUARIAL VALUATION OF GRATUITY LIABILITY AS AT 31.03.2015**Table 1::Disclosure Item 120 (c)****Table Showing Changes in Present Value Of Obligations :****₹ in crores**

Table Showing Changes in Present Value Of Obligations	As at 31/03/2015	As at 31/03/2014
Present Value of Obligation at Beginning of year	122.72	130.33
Acquisition Adjustment	0.00	0.00
Interest Cost	9.22	10.72
Past Service Cost	0.00	0.00
Current Service Cost	7.94	7.25
Curtailment cost	0.00	0.00
Settlement Cost	0.00	0.00
Benefits Paid	14.91	8.44
Actuarial gain/loss on Obligations	-3.59	-17.14
Present Value of Obligation at end of Year	121.38	122.72

Table 2::DISCLOSURE ITEM 120(e)**Table Showing Changes in Fair Value of Plan Assets:****Not applicable as Scheme is unfunded****Table 3::DISCLOSURE ITEM 120(f)****Table showing Funded Status****Not applicable as Scheme is unfunded**

Table 4::DISCLOSURE ITEM 120(g)
Table showing Expense Recognized in Statement of Profit/Loss:
₹ in crores

Table Showing Changes in Present Value Of Obligations	As at 31/03/15	As at 31/03/2014
Current Service Cost	7.94	7.25
Past Service Cost	0.00	0.00
Interest Cost	9.22	10.72
Expected Return on Plan Asset	0.00	0.00
Curtailment cost	0.00	0.00
Settlement Cost	0.00	0.00
Actuarial gain/loss recognized in the year	-3.59	-17.14
Expense Recognized in Statement of Profit & Loss	13.57	0.83

Table 7::DISCLOSURE ITEM 120(I)
Table showing Actuarial Assumptions

	As at 31.03.2015	As at 31.03.2014
Mortality Table	IALM(2006-08)ULT.	IALM(2006-08)ULT.
Superannuation Age	60	60
Early Retirement & Disablement	10 PER THOUSAND P.A	10 PER THOUSAND P.A
	6 above age 45	6 above age 45
	3 between 29 and 45	3 between 29 and 45
	1 below age 29	1 below age 29
Discount Rate	8.00%	8.50%
Inflation Rate	6.25 %	6.25 %
Return on Asset	N/A	N/A
Remaining Working Life	11 Years	11 Years
FORMULA USED	Projected Unit Credit Method	Projected Unit Credit Method

Table 8::DISCLOSURE ITEM 120(m)
Not applicable as Scheme is not related Medical cost

Table 9::DISCLOSURE ITEM 120(n)
Summary of last 4 Valuation record
Company to produce.

Table 10::DISCLOSURE ITEM 120(o)
Movements in the Liability Recognized in Balance Sheet:

₹ in crores

	As at 31.03.2015	As at 31.03.2014
Opening Net Liability	0.00	0.00
Expenses as above	13.57	0.83
Contributions	0.00	0.00
Closing Net Liability	13.57	0.83
Closing Fund/Provision at end of Year	121.38	122.72

Note to Appendix B of AS - 15 (Revised 2005)

As the scheme is unfunded charges to profit /loss account has been based on following assumptions :-

1. previous obligation was provided for at last accounting date
2. benefit to exits has been paid to debit of above provision
3. current obligation will be provided for at current accounting date

15.0 ACTUARIAL VALUATION OF LEAVE ENCASHMENT BENEFIT(EL/HPL) AS AT 31.03.2015

Table 1::Disclosure Item 120 (c)

Table Showing Changes in Present Value Of Obligations

₹ in crores

Table Showing Changes in Present Value Of Obligations	As at 31/03/2015	As at 31/03/2014
Present Value of Obligation at Beginning of year	76.50	74.03
Acquisition Adjustment	0.00	0.00
Interest Cost	5.37	5.76
Past Service Cost	0.00	0.00
Current Service Cost	5.43	5.96
Curtailement cost	0.00	0.00
Settlement Cost	0.00	0.00
Benefits Paid	18.74	12.55
Actuarial gain/loss on Obligations	12.61	3.30
Present Value of Obligation at end of Year	81.17	76.50

Table 2::DISCLOSURE ITEM 120(e)

Table Showing Changes in Fair Value of Plan Assets:

Not applicable as Scheme is unfunded

Table 3::DISCLOSURE ITEM 120(f)

Table showing Funded Status

Not applicable as Scheme is unfunded

Table 4::DISCLOSURE ITEM 120(g)

Table showing Expense Recognized in Statement of Profit/Loss:

₹ in crores

Table Showing Changes in Present Value Of Obligations	As at 31/03/2015	As at 31/03/2014
Current Service Cost	5.43	5.96
Past Service Cost	0.00	0.00
Interest Cost	5.37	5.76
Expected Return on Plan Asset	0.00	0.00
Curtailement cost	0.00	0.00
Settlement Cost	0.00	0.00
Actuarial gain/loss recognized in the year	12.61	3.30
Expense Recognized in Statement of Profit & Loss	23.41	15.02

Table 7::DISCLOSURE ITEM 120(l)

Table showing Actuarial Assumptions

	As at 31.03.2015	As at 31.03.2014
Mortality Table	IALM(2006-08)ULT.	IALM(2006-08)ULT.
Superannuation Age	60	60
Early Retirement & Disablement	10 PER THOUSAND P.A	10 PER THOUSAND P.A
	6 above age 45	6 above age 45
	3 between 29 and 45	3 between 29 and 45
	1 below age 29	1 below age 29
Discount Rate	8.00%	8.50%
Inflation Rate	6.25 %	6.25 %
Return on Asset	N/A	N/A
Remaining Working Life	11 Years	11 Years
FORMULA USED	Projected Unit Credit Method	Projected Unit Credit Method

Table 10::DISCLOSURE ITEM 120(o)

Movements in the Liability Recognized in Balance Sheet:

₹ in crores

	Asat 31.03.2015	As at 31.03.2014
Opening Net Liability	0.00	0.00
Expenses as above	23.41	15.02
Contributions	0.00	0.00
Closing Net Liability	23.41	15.02
Closing Fund/Provision at end of Year	81.17	76.50

Note to Appendix B of AS - 15 (Revised 2005)

As the scheme is unfunded charges to profit /loss account has been based on following assumptions :-

4. previous obligation was provided for at last accounting date
5. benefit to exits has been paid to debit of above provision
6. current obligation will be provided for at current accounting date

16.0 CORPORATE SOCIAL RESPONSIBILITY

Reserves created in Q1 accounts from P&L Appropriation Account has been reversed and no further reserve has been created accounts as per the guidelines of CIL vide letter No. CIL/GM(F)/08/1540 dated 15.10.2014.



- 17.0** Previous Year's figures have been re-arranged / re-grouped / re-classified wherever necessary to make them comparable with those of the Current Year.

While Drafting the financial statements under review figures have been aggregated in respect of some of accounts to comply with the requirement of uniformity in all. Under the circumstances figures as have been shown has been taken to the nearest of crores of rupee rounding off upto 2 decimal places. Hence may vary to that extent.

- 18.0** The significant accounting policies as stated vide Note No. 33 and other accounting policies not otherwise stated are being consistently followed by the company.

Signatures to Notes 1 to 19 for Balance Sheet, Notes 20 to 32 for Statement of Profit & Loss Account and Notes 33 & 34 for Accounting Policy and Additional Notes on Accounts.

Sd.-
(P. Lazar)
Company Secretary

Sd.-
(D. K. Rao)
G. M (Finance)

Sd.-
(D. K. Ghosh)
Director

Sd.-
(A. K. Debnath)
Chairman-cum-Managing Director

In terms of our report of even date attached
For K.C.Tak & Co
Chartered Accountants
Firm Registration No.000216C

Sd.-
(CA ANIL JAIN)
Partner
Membership No. 079005

Date : 22nd May' 2015
Place : Ranchi

INDEPENDENT AUDITOR'S REPORT

To

The Members, Central Mine Planning & Design Institute Limited

Report on the Financial Statements

We have audited the accompanying Standalone financial statements of 'Central Mine Planning & Design Institute Limited' ("the Company"), which comprise the Balance Sheet as at 31st march, 2015, the Statement of Profit and Loss, the Cash Flow Statement for the year then ended and a summary of the significant accounting policies and other explanatory information.

Management's Responsibility for Standalone 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 standalone financial statements that give a true and fair view of the financial position, financial performance and cash flow of the Company in accordance with the accounting principles generally accepted in India, including the Accounting Standards specified under Section 133 of the Act, read with Rule 7 of the Companies (Accounts) Rules, 2014. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding of the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgement and estimate 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.

Auditor's Responsibility

Our responsibility is to express an opinion on these standalone financial statements based on our audit. We have taken into account the provisions of the Act, the accounting and auditing standards and matter which are required to be included in the audit report under the provisions of the Act and the Rules made thereunder. We conducted our audit in accordance with the Standards on auditing specified under Section 143(10) of the Act. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An Audit involves performing procedures to obtain audit evidences about the amounts and the disclosures in the financial statements. 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. In making those risk assessments, the auditor considers internal financial control relevant to the Company's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of the accounting estimates made by the company's directors, as well as evaluating the overall presentation of the financial statements.

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

Opinion

In our opinion and to the best of our information and according to the explanation given to us, the aforesaid financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- In the case of Balance Sheet, of the state of affairs of the Company as at 31st March, 2015;
- In case of Statement of Profit and Loss, of the Profit of the Company for the year ended on that date; and
- In the case of Cash Flow Statement, of the cash flows of the Company for the year ended on that date.

Emphasis of Matter

We draw attention to:

- Refer to Note no. 15- "Inventories", forming part of the Financial Statements regarding provision for obsolete items (Account head no. 890101) of Rs. 0.41 crores (Previous year Rs. 0.42 crores), technical audit/assessment of old, slow moving, non-moving, damaged and unserviceable inventories of items of charged off stores, spares etc. is pending on the reporting date. Further provision may be required on final assessment, if any.
- Refer to Note no.9- "Short Term Provisions" and point no. 7.3 of Note no. 34- "Additional Notes to Accounts", forming part of the Financial Statements regarding PRP obligation, liability is pending to be crystallized and PRP obligation has not been sanctioned by the competent authority on the reporting date. The provision for PRP obligation at the year – end was amounting to Rs. 192.50 crores (Previous year Rs. 165.48 crores) is pending for final adjustment.
- Refer to Note no. 16 – "Trade Receivable" and point no. 3.1.2 of Note no. 34- "Additional Notes to Accounts" forming part of the Financial Statements regarding an amount of Rs. 239.14 crores (Previous year – Rs. 201.18 crores) is outstanding to be recovered from debtors includes items pending to be analyzed / adjusted / linked up or to be recovered and resulting adjustments, if any.

4. Refer to Note no. 16- "Trade Receivable", forming part of the Financial Statements, Debtors includes reconciliations pending on account of TDS deducted from bills, from time to time, have not been transferred to TDS account (account code – 350016) and adjustments, if any.
5. Refer to Note no. 18- "Short Term Loans and Advances", forming part of the Financial Statements, Claims Receivables (A/c Code 340003) includes a sum of Rs. 0.12 crores (Previous Year Rs. 0.12 crores) pending to be recovered from service tax department against excess payment deposited earlier against Service Tax due to reduction of rate of drilling for non CIL blocks on 22.03.2012 against order of Service Tax Cells, Nagpur.
6. Refer to Note no. 16/7/12/18 – "Trade Receivables" / "Trade Payables" / "Long Term Loans & Advances" / "Short Term Loans & Advances", forming part of the Financial Statements, balances standing as on 31st March, 2015 in respect of the debtors, creditors and loans and advances are subject to confirmation of balances from the parties and consequential adjustment on reconciliation, if any.
7. Refer to Note no. 7/12/18 – "Trade Payables" / Long Term Loans & Advances" / "Short Term Loans & Advances", forming part of the Financial Statements, balances under the head of creditors and loans and advances includes old items pending to be analyzed / adjusted / linked or recovered and consequential adjustment on reconciliation, if any.
8. Refer to Note no. 12 – "Long Term Loans & Advances", forming part of the Financial Statements regarding security deposit [A/c code 380006] in respect of RI-V [Bilaspur], it includes a sum of Rs. 0.05 crores (Previous Year Rs. 0.05 crores) pending to be recovered since 30.12.2010 in relation to survey work which was duly completed & informed to the concerned parties.
9. TIN registration is pending to be obtained, in respect of RI-I, V & VII as applicable under the relevant State Commercial / VAT Act required for the purpose of filing the Commercial Tax returns.
10. Refer to Note no. 18 – "Short Term Loans & Advances", forming part of the Financial Statements, final reconciliation between 'Service Tax paid on bills ledger' (Account code 350034) and subsidiary records is pending on the reporting date and adjustment, if any.
11. Refer to Note no. 8 – "Other Current Liabilities", forming part of the Financial Statements, Bond money received from Management Trainees includes cases of such employees who are absent and have not rejoined the company, pending for final assessment on the reporting date.
12. Refer to Note no. 24 – "Employee Benefit Expenses", forming part of the Financial Statements, regarding contribution to Superannuation Fund at the rate of 6.84% & pension at the rate of 3% on the emoluments of the Executive amounting to Rs. 42.16 Crores & Rs. 18.60 Crores (Previous year Rs. 35.26 Crores & Rs. 15.58 Crores) respectively has been made from time to time up to 31st March, 2015. The company has neither made payment nor has kept such amount in separate escrow fund account.
13. Refer to Note no. 14 – Prior period adjustments and prepaid expenses of Note no. 33 – "Significant Accounting Policies", forming part of the Financial Statements, items of income and expenditure exceeding Rs. 0.10 Crores, applied on each transaction, are only considered as prior-period items. The said accounting policy is not in accordance with generally accepted accounting principles in India as any limit should be considered in aggregate instead of on individual basis for adjustment / disclosure in the financial statements.
14. Refer to Note no. 20 – "Revenue from Operations" & 24 – "Employee Benefit Expenses", forming part of the Financial Statements, the revenue recognition for sales of services has been done on accrual basis i.e. cut off on 31st March basis whereas Engineering days being considered on up to 20th March and expenses on salary being considered upto 10th March. Any adjustment due to booking ED's between 21st to 31st March and adjustment due to new employee recruitment/deletion due to retirement and left outs etc. during the period from 11th to 31st March are not being considered in the current financial year. This is being followed as accounting practice from year to year and is required to be suitably disclosed by way of Notes on accounts.

Our opinion is not qualified in respect of these matters.

Report on Other Legal and Regulatory Requirements

1. As required by the Companies (Auditor's Report) Order, 2015 ("the Order"), issued by the Central Government of India in terms of sub-section (11) of section 143 of the Companies Act, 2015, we give in the Annexure "A", a statement on the matters specified in paragraphs 3 and 4 of the Order, to the extent applicable.
2. As required by Section 143(3) of the Act, we report that:
 - a. We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit.
 - 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, and the Cash Flow Statement dealt with by this Report are in agreement with the books of account;
 - d. In our opinion, the aforesaid standalone financial statements comply with the Accounting Standards specified under Section 133 of the Act, read with the Rule 7 of the Companies (Accounts) Rules, 2014 except for the following:-

- i. Refer to Note no. 34 – “Additional Notes to Accounts-7.2.” to the financial statement as per information and explanation given to us, the Company is under the process of compiling relevant information to identify the units covered under Micro, Small & Medium Enterprises Development Act, 2006 (“MSMED Act, 2006”). In the absence of finalization of relevant information as such, the same could not be disclosed in terms of disclosure as required under Schedule III of the Companies Act, 2013 and MSMED Act, 2006 and thereby non-compliance of disclosure requirement under the Accounting Standard 1 – “Disclosure of Accounting Policies”.
- ii. During the year, the company has incurred expenditure on construction of building on leasehold lands/interest in lands to be used for commercial and residential purposes. As per the provisions of Accounting Standard 6 – ‘Depreciation Accounting’, depreciation on buildings constructed on leasehold land should be worked out on the basis of period of lease agreement subject to maximum of useful life of the building. In the absence of documents of right/title/ interest in land/ renewal lease etc. produced before us, it was not possible to ascertain the properness of the accounting treatment of the expenditure incurred as such the quantum of depreciation that has been charged is in line with the Accounting Standard and its consequential impact on the Financial Statements, if any. [Refer to point no. 1.1 of Note no. 34- “Additional Notes to Accounts” forming part of the Financial Statements].
- iii. The residual value of the surveyed off fixed assets amounting to Rs. 0.68 crores (Previous year Rs. 0.66 crores) have been shown at WDV of the assets instead of being valued at lower of WDV and Net Realizable Value which is not in conformity with Accounting Standard 10 – ‘Fixed Assets’ and it also includes number of those assets which are pending for disposal since long back. [Refer to Note no. 10A- “Fixed Assets” forming part of the Financial Statements].
- iv. The company has reported the Segment Revenue and Results and has segregated according to the segments as referred in point no. 13.0 of Note 34- “Additional Notes on Accounts”, forming part of the Financial Statements. However, segment wise assets, liabilities, depreciation, capital expenditure and non-cash items have not been disclosed for all the primary segments to comply with the Accounting Standard 17 – ‘Segment Reporting’. In our opinion, the same does not give true and fair view of the segment-wise operations of the Company.
- v. The Company has not carried out Techno-economic assessment as on 31 March, 2015 and hence identification of impairment loss and provision thereof, if any, has not been made. In our opinion, the same is not in accordance with Accounting Standard 28 – ‘Impairment of Asset’. Pending ascertainment of Impairment loss, if any, and its impact on financial statement could not be commented upon.
- e. On the basis of the written representations received from the directors as on 31st March, 2015 and as taken on record by the Board of Directors, none of the directors is disqualified as on 31st March, 2015 from being appointed as a director in terms of Section 164(2) of the Act.
- f. 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, 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 – Refer Note no. 34 to the financial statements.
 - ii. As per the written representation received from the management, the company did not have any long-term contracts including derivative contracts for which there were any material foreseeable losses.
 - iii. As per the written representation received from the management, there were no amounts which were required to be transferred to the Investor Education and Protection Fund by the Company.

For K.C TAK & Co.
Chartered Accountants
FRN NO.: 000216C

Sd-/
CA Anil Jain
(Partner)
M. No. 079005

Place : Ranchi
Date : 22/05/2015

ANNEXURE- A" TO THE AUDITOR'S REPORT OF 'CMPDIL' FOR THE FINANCIAL YEAR ENDING ON 31ST MARCH 2015

- i In respect of Fixed Assets:
- a. It was found that the Company has generally maintained proper records of fixed assets. However it was observed that the necessary particulars as to comprehensive description of assets, identification and current location/situation etc. are pending to be incorporated in the asset records. We are of the opinion that in order to have proper internal control over Fixed Assets, all the necessary particulars are necessary to be updated in the asset records. Under the circumstances, in the absence of such necessary particulars we are unable to comment upon the safeguard of the assets of Company.
- b. As informed to us, the major portion of the high value of fixed assets are physically verified by the management according to a phased programme of verification adopted by the Company. It was observed that the company has deputed its duly constituted team to verify the fixed assets valuing more than Rs. 1.00 lakh. As informed to us, there was no discrepancy noticed during such verification. However, the company could not produce the "Report on physical verification of assets as per books & as per physical stock taken and discrepancies noticed between two upon reconciliation, if any, except "Yearly Closing Stock Statement of the Fixed Assets at the year end and its consequential impact over financial statement that may arise upon reconciliation currently not ascertainable.
- In our opinion the management should also verify so as to cover the physical verification of all assets valuing less than Rs. 1.00 lakh at least once in a suitable periodic span of time. In respect of such assets valuing less than Rs. 1.00 lakh, we are not in a position to comment upon deficiencies/ discrepancies, if any.
- ii. In respect of inventories:
- a. The management has conducted a physical verification of inventory of the stock of stores and spare parts etc. during the year. In our opinion, the frequency of verification is reasonable.
- b. It was observed that the company has deputed its duly constituted team to verify the stores and spare parts etc. However, the company could not produce the "Report on physical verification of inventory as per books & as per physical stock taken and discrepancies noticed between two upon reconciliation, if any, except "Yearly Closing Stock Statement of the stores and spare parts etc. at the year end. Accordingly we are unable to comment on the procedures of physical verification and reasonableness thereof.
- c. The Company has maintained proper records of its inventories. As explained to us, the discrepancies noticed on physical verification of stock as compared to book records were not material and have been properly dealt with in the books of accounts.
- iii. As informed, the Company has not granted/taken any loans, secured or unsecured to companies, firms or other parties covered in the register maintained under section 189 of the Companies Act, 2013. Accordingly, paragraphs (iii) (a),(b) of the Companies (Auditors Report) Order 2015 (as amended) are not applicable.
- iv. In our opinion and according to the information and explanations given to us, there is an adequate internal control system commensurate with the size of the Company and the nature of its business with regard to purchases of inventory and fixed assets and the sale of goods and services. During the course of our audit, we have not observed any major weakness in such internal control system.
- v. The Company has not accepted any deposits from the public within the meaning of Section 73 to 76 or any other relevant provision of the Act.
- vi. We have been informed that the Central Government has not prescribed the maintenance of cost records under sub section (1) 148 of the Companies Act for the Company.
- vii. In respect of statutory dues:
- a. According to the records of the Company, the Company is generally regular in depositing undisputed statutory dues such as provident fund, investor education and protection fund, income tax, sales tax, wealth tax, service tax, customs duty, excise duty, cess and any other dues with the appropriate authorities. According to the explanations give to us, Employees State Insurance Scheme is not applicable to the Company.
- According to the information and explanations given to us, no undisputed amounts payable in respect of the aforesaid dues were outstanding as at 31st March, 2015 for a period of more than six months from the date they became payable.
- b. The following disputed statutory dues, which the company has not deposited on accounts of matters pending before appropriate authorities are as under:
- | Sl. No. | Name of Statute | Nature of Due | Amount (Rs in Lakh) | F.Y. to which the amount relates | Forum where Dispute is Pending |
|---------|-----------------|---------------|---------------------|----------------------------------|--------------------------------|
| 1. | Income Tax Act | Income Tax | 6.89 | 2010-11 | CIT(A), Ranchi |
| 2. | Income Tax Act | Income Tax | 68.06 | 2011-12 | CIT(A), Ranchi |
- c. As per information and explanations given to us, the company is not required to deposit into the 'investor education and protection fund' in accordance with the relevant provisions of the Companies Act, 1956(1 of 1956) and rules made thereunder.
- viii. The Company has no accumulated losses as at 31st March 2015 and has also not incurred any cash losses from operating activities during the financial year ended on that date and in the immediately preceding financial year.
- ix. According to the information and explanations given to us, we are of the opinion that the Company has no dues to financial institutions, banks or debenture holders.
- x. According to the explanations and information given to us, the Company has not given any guarantee for loans taken by others from banks or financial institutions.
- xi. The Company has not raised any term loans during the year.
- xii. To the best of our knowledge and belief and according to the information and explanations given to us, we report that no fraud on or by the Company has been noticed or reported during the year.

Sd/- For K.C TAK & Co.

CA Anil Jain

Date : 22.05.2015

Place : Ranchi