

**ANNUAL REPORT & ACCOUNTS**

**2006-2007**



**CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED**  
(A Subsidiary of Coal India Limited)

**GONDWANA PLACE: KANKE ROAD**  
**RANCHI - 834 008**

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## MANAGEMENT DURING 2006-2007

### FULL - TIME

1. Shri S. Chaudhuri : CMD
2. Shri P. K. Kanchan : Director
3. Shri N. C. Jha : Director (Upto 31.12.2006)
4. Shri S. Chakrabarti : Director (Upto 31.03.2007)
5. Shri S. R. Ghosh : Director

### PART - TIME

6. Shri Pradeep Kumar : Director (Upto 23.10.2006)
7. Dr. S. P. Seth : Director (From 23.10.2006)
8. Prof. A. K. Ghose : Director
9. Shri Sanjiv Mittal : Director
10. Shri Lakshman Jha : Director (Upto 31.12.2006)
11. Shri N. C. Jha : Director (From 01.01.2007)

COMPANY SECRETARY : Shri Udayan Chakrabarti

**BANKERS** : State Bank of India,  
United Bank of India,  
Bank of India.  
Canara Bank  
Bank of Maharashtra  
Union Bank of India,  
Oriental Bank of Commerce  
Indian Overseas Bank  
State Bank of Indore  
Central bank of India  
UCO Bank

**AUDITORS** : M/s U. Narain & Co.  
Chartered Accountants  
Ranchi.

**REGISTERED OFFICE** : Gondwana Place, Kanke Road,  
Ranchi - 834 008  
Jharkhand, India

## **PRESENT MANAGEMENT AS ON 31.10.2007**

### **FULL - TIME**

1. Shri S. Chaudhuri : Chairman cum Managing Director
2. Shri N. Khurana : Director
3. Shri A. K. Debnath : Director
4. Shri S. K. Mitra : Director

### **PART - TIME**

5. Dr. S. P. Seth : Director
6. Prof. A. K. Ghose : Director
7. Shri N. C. Jha : Director
8. Shri Sharad Ghodke : Director
9. Shri A. K. Kundra : Director
10. Prof. V. R. Sastry : Director
11. Dr. S. Bhandari : Director

## **DIRECTORS' REPORT**

To

The Shareholders.

Gentlemen,

Your Directors have great pleasure in presenting the 32<sup>nd</sup> Annual Report on the working of your Company along with the Accounts for the year ended 31st March, 2007 and Auditors' Report thereon.

### **PART : A**

#### **CORPORATE OVERVIEW**

Your Company continued to operate with seven Regional Institutes (RI) located at Asansol, Dhanbad, Ranchi, Nagpur, Bilaspur, Singrauli & Bhubaneswar and its headquarters at Ranchi. Seven Regional Institutes designated as 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 SCCL, TATA STEEL, NTPC, SAIL, MOIL, NALCO, OMC, NLC, HINDALCO, CMDCL, CSEB, etc. were provided mainly through CMPDI (HQ). CMPDI also handled specialised assignments of Ministry of Coal and CIL.

#### **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, 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**

- **Environmental Services**

- **Information Technology**

- **Human Resource Development**

- **Specialised Services**

- ✓ Geomatics
- ✓ 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

- **Services to MoC for allocation of Captive Mining Blocks**

During the year, CMPDI has provided preliminary geological information of existing and additional Captive Mining Blocks to MoC to expand the list of captive coal blocks and facilitate its allotment. This includes information of both explored and unexplored coal blocks required for Power, Steel and other end uses.

- Your Company has also been and is actively involved in the identification, critical examination and evaluation of identified projects of various working groups of foreign countries such as Indo-EU, Indo-Australia, Indo-China, etc. for coal mining and related activities, so as to improve the production, productivity and conservation in CIL mines.

## Financial Working Results

During the year under review your Company earned a net profit of Rs. 258.59 Lakhs (after deferred tax). The working results of the company are given below:

		<b>(Rs. In lakhs)</b>
Sales		16032.11
Less: Total Net Expenditure		15196.80
Gross Profit		835.31
Less : Depreciation	219.62	
Interest	28.95	
Provision	<u>126.14</u>	374.71
Profit (+) /Loss (-) for the year (Before PP Adj. & Tax )		460.60
Less: Prior Period Adjustment		13.32

Profit before Taxation		447.28
Less: Provision for Taxation	542.20	
Less : Provision for Fringe Benefit Tax	<u>71.00</u>	613.20
Profit (+) /Loss (-) after provision		-165.92
Add: Provision for deferred Tax		424.51
Net Profit after deferred Tax		258.59

## HIGHLIGHTS

Major highlights of performance of CMPDI during the year are:

- Exploratory drilling for 'proving' coal reserves in 84 blocks/mines spread over 17 coalfields in India covering 2,05,746 m of drilling, was carried out against the target of 1,99,000 m.
- 17 Geological Reports based on coal exploration data were prepared which estimated 1.78 Billion Tonnes (Bt) of additional in-situ coal resources comprising of 1.30 Bt– 'Proved' & 0.47 Bt– 'Indicated' category.
- 27 Project Reports / Revised Project Reports / Expansion Project Reports / Revised Cost Estimates were prepared envisaging capacity addition of 110 Mty approx.
- 33 Environment Management Plans (EMPs) alongwith 32 Form-I for coal mining projects were prepared.
- 21 Outside-CIL Consultancy jobs worth of Rs.3.24 crores were procured.
- A committee comprising representatives from CMPDI, ONGC, DGH, NLC and MECL, under the chairmanship of CMD, CMPDI, for comprehensive examination of various issues relating to underground coal gasification (UCG) submitted the recommendations for regulatory framework for UCG to MoC.
- An MOU was signed between MoC and United States Environmental Protection Agency (USEPA) for establishment of CBM/CMM Clearing House in India. MoC has decided to establish the clearing house at CMPDI, Ranchi.
- Generation of UCG specific additional data for Kasta Block, Raniganj coalfield has been initiated after receipt of approval from CIL.

## OUTLOOK

Coal production of the country during 2006-07 was 431 Mt out of which Coal India Ltd. (CIL) produced 361 Mt (share-84%). Other significant producers were Singareni Collieries Company Limited (SCCL), TATA STEEL, Jindal Steel & Power Limited, Bengal EMTA, Monnet Ispat Limited, etc. Coal Sector which was nationalised in two spells (1971 & 1973) has been gradually deregulated partially. Coal Sector is witnessing flow of private investments which have poured in the

form of backward integration of companies engaged in power, iron & steel and cement sectors.

Indian economy registered Gross Domestic Product (GDP) growth of 9.4 % in the year 2006-07 (as per Central Statistical Organisation) and growth prospects continues to be bright due to strong fundamentals. This will require rapid development of coal sector. Coal production in the country is expected to reach 680 Mt by the terminal year of XI plan which translates to yearly addition of coal production capacity of 40 Mt. CIL alone is expected to grow yearly at the rate of 32 Mt per year. During XI Plan period, CMPDI will be preparing about 119 project reports resulting in capacity addition of about 256 Mt.

Being in-house Consultant of CIL, CMPDI has the onus to provide exploration, planning & design support to CIL. Enlargement of coal resource base and faster proving of coal resources are required for meeting the rapidly increasing coal demand of the country. CMPDI has envisaged to carry out 22.60 lakh metres of drilling in five years of XI Plan period, as against about 10 lakhs metres of drilling carried out during X Plan period, through in-house drills as well as by outsourcing.

Development taking place in emerging areas like Coal Bed Methane (CBM), Underground Coal Gasification (UCG) and Information & Communication Technology (I&CT) in coal sector are also in focus. These emerging technologies will present additional opportunity areas for CMPDI in coming years.



## PART : B

### ANNUAL PERFORMANCE OVERVIEW

#### 1.0 Geological Exploration & Drilling

CMPDI continued to carry out its coal exploration activities in 2006-07. CBM exploration through departmental drills was also taken up during the year. The thrust areas, however, were exploration of CIL, non-CIL and promotional 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 taken up to facilitate allotment of coal blocks to prospective entrepreneurs for captive mining. A nominal amount of Promotional (regional) exploration was also taken up to identify new coal resources. Ministry of Coal is providing fund for exploration in Non-CIL/Captive Mining and Promotional blocks whereas subsidiaries of CIL meet expenses of exploration in CIL blocks.

#### 1.1 Drilling Performance

**1.1.1** The departmental resources of CMPDI were deployed for exploration in CIL/Non-CIL/Promotional/CBM blocks. Apart from it, services of Directorate of Geology & Mining of State Govts. of MP & Orissa and MECL were utilised for nominal amount of drilling in CIL areas.

**1.1.2** In 2006-07, CMPDI and its contractual agencies took up exploratory drilling in 84 blocks/mines spread over 17 coalfields. These coalfields are Raniganj (9 blocks/mines), Jharia (1), North Karanpura (6), South Karanpura (2), Tawa Valley (2), Pathakhera (4), Pench Kanhan (7), Kamptee (4), Umrer-Bander (2), Wardha (8), Sohagpur (13), Mand Raigarh (3), Korba (4), Bistrampur (3), Singrauli (5), Talcher (7) and Ib Valley (4). Out of such 84 blocks/mines, 11 were Non-CIL/Captive blocks, 3 Promotional blocks and 70 CIL blocks/mines. Departmental drills of CMPDI were deployed for exploration in 71 blocks/mines whereas drilling in 13 mine areas was undertaken by contractual agencies.

**1.1.3** The overall performance of exploratory drilling by CMPDI and its contractual agencies during 2006-2007 is given below:

Agency	Annual Target 2006-07 BE (metre)	Agency-wise Performance of Exploratory Drilling in 2006-07			Achieved 2005-06 (m)
		Achieved (metre)	Achieved (%)	+/- (m)	
<b>CMPDI</b>	1,92,000	1,98,496	103%	+ 6496	1,92,296
<b>MECL</b>	Unscheduled	715	-	+715	2,029
<b>State Govts.</b>	7,000	6,535	93%	- 465	5,795
<b>Total</b>	<b>1,99,000</b>	<b>2,05,746</b>	<b>103%</b>	<b>+6,746</b>	<b>2,00,120</b>

The departmental drilling of 1,98,496m includes 1,36,754m in CIL blocks, 51,774m in Non-CIL/Captive Mining Blocks and 6,879m in Promotional blocks. Apart from it, 3,089m have been drilled in a CIL-ONGC Joint Venture block for CBM exploration in Raniganj coalfield. The Directorate of Geology of State Govts. and MECL have taken up drilling in CIL blocks only.

In 2006-07, CMPDI achieved its departmental and overall drilling target by 103% in each case. The performance of departmental drilling was better than previous year by 6,200m with a 3.2% growth. The average productivity of operational drills of CMPDI has also risen by 15m per drill per month to reach at the level of

374m/drill/month. The State Govts. have drilled 740m more than the previous year. However, a marginal shortfall in State Govts.' targeted drilling has occurred as DGM (Chhattisgarh) did not take up the work.

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

In 2006-07, a total of 51,774m of exploratory drilling has been carried out by CMPDI under the Central Sector Scheme of Detailed Drilling in Non-CIL Blocks. A total of 11 Non-CIL/Captive Mining Blocks were taken up in 6 coalfields for this purpose. Ministry of Coal has approved the Revised Cost Estimate of this scheme for Rs.93.84 crores (Rs.70.66 crores original) to undertake 2.83 lakh metre of drilling in X plan. The work carried out in 2006-07 enabled CMPDI to achieve the drilling target of X Plan as envisaged in RCE. Thus, a total of 2.84 lakh metre has been drilled against the target of 2.83 lakh metre.

The coalfield and block-wise achievement of drilling in 2006-07 is given below:

Agency/ Command Area	Coalfield	Block	Drilling in 2006-07 (m)
<b>CMPDI :</b>			
CCL	North Karanpura	Routpara	360
		Babupara	331
		Kerandari B & C	9751
	South Karanpura	Tokisud-II	10298
WCL	Kamptee	Bharatwada	1230
SECL	Sohagpur	Batura	2346
		Manpura	1994
		Dhanpura	6095
NCL	Singrauli Main	Chhatrasal	2829
MCL	Talcher	Machhakuta	9254
		Mahanadi	7286
<b>Grand Total of Drilling in Non-CIL blocks:</b>			<b>51,774</b>

Apart from above exploration work, CMPDI has provided preliminary geological information of existing and additional Captive Mining Blocks to MoC to expand the list of captive coal blocks and facilitate its allotment. This includes information of both explored and unexplored coal blocks required for Power, Steel and other end uses. 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.

#### 1.1.5 Promotional Drilling by CMPDI :

In 2006-07, CMPDI continued the Promotional (regional) drilling, under the Central Sector Scheme of Promotional Exploration in Coal & Lignite in X Plan, for identification of new coal resources. For this purpose, CMPDI continued the Promotional drilling in Ashoka Karketta West block of North Karanpura Coalfield and Chimri block of Tawa Valley CF. Drilling in a new block, Bishnupur in Tawa Valley coalfield was also taken up during the year.

In total, CMPDI has carried out 6,879 meter of Promotional drilling in 2006-07 as detailed below:

Agency/ Company Command Area	Coalfield	Block	Drilling in 2006-07 (m)
<b>CMPDI :</b>			
CCL	North Karanpura	Ashok Karkatta West	3639
WCL	Tawa Valley	Chimri	1010
		Bishnupur	2230
<b>Total Promotional Drilling by CMPDI :</b>			<b>6879</b>

CMPDI has also done technical supervision of Promotional Exploration carried out by MECL in Coal Sector under the same scheme.

## 1.2 Geological Reports:

**1.2.1** A total of 17 Geological Reports on coal exploration have been prepared in 2006-07. Out of it, 5 reports were on Detailed Exploration of Non-CIL/Captive Mining blocks and remaining for CIL blocks.

**1.2.2** A total of 1.78 Billion Tonnes of additional coal resources had been estimated from the 12 new GRs. The resources of other 5 GRs were re-amalgamation/re-categorisation of existing GRs for CIL projects. Out of the above estimated resources, 1.30 Bt of coal resources were under 'Proved' category and 0.47 Bt in 'Indicated' category.

## 1.3 Geophysical Surveys:

**1.3.1 Geophysical Logging:** Boreholes drilled for exploratory drilling were Geophysically logged by two newly acquired MT. Sopris loggers and existing old geophysical logging instrument to get the insitu information of different strata encountered in the boreholes. During the year 2006-07, CMPDI studied 60 boreholes with multi-parametric geophysical logging. A total of 19,081 depth metre of geophysical logging had been carried out for this purpose in CIL, Non-CIL, Promotional, UNDP CBM Project and CIL-ONGC JV CBM Project areas. Procurement of three more loggers is under process to enhance the capacity of logging.

**1.3.2 Surface Geophysical Surveys:** CMPDI has also undertaken Electrical Resistivity and Magnetic surveys in CIL, Non-CIL and Promotional blocks for delineation of incrops of coal seams, assessment of geometry of block and for other purpose like groundwater investigations. A total of 122 line km. of Resistivity profiling, 151 no. of Vertical Electrical Soundings and 4763 no. stations of Magnetic Survey have been carried out in 2006-07 for such purpose. Procurement of two nos. of digital Proton Precision Magnetometers and 48 channels Seismograph is under process by CMPDI to enhance its capability.

## 1.4 Geosystem:

**1.4.1** A total of twelve Geological Reports were prepared using MINEX software. The use of in-house software CEMPGEODOC and SASLINT was further promoted at Regional Institute (RIs) and camp level.

**1.4.2** The Government funded project 'Integrated Coal Resources Information System' continued in 2006-07 also under the Promotional Exploration Scheme. The project is being implemented from nine data centers located at seven Regional Institutes (RIs) of CMPDI and one each at CMPDI (HQ) and SCCL, Kothagudem. Different types of Hardware and Software worth Rs.2.21 crore were procured and installed at the data centers for carrying out the project activities. The procurement action for remaining three items involving expenditure of about Rs.1.87 crore is about to be completed shortly. Borehole data capture from Geological Reports of explored coal blocks/mines, prepared by different agencies (GSI, IBM, NCDC, CIL, MECL, St.Govts. etc.) had been taken up by an outside party. All the basic data of 1091 GRs (out of total 1250) have been handed over to vendor, who had completed the work of about 900 GRs so far. Map data capture from colliery plans and the key maps from geological reports have also been taken up and 550 plans (out of total 5000) have been handed over to an outside party to carry out the vectorisation / digitisation work. The integration of survey reference points to a single origin, updation of geological information about the coal block/coalfield is being carried out from all data centres. Creation of geological model for each of the coal deposits is also in progress using MINEX software. Preliminary work related to data base design and its integration with GIS applications and WEB enabled services has also been initiated.

## **1.5 Hydrogeology:**

**1.5.1** Hydrogeological studies of a number of mining projects were taken up for preparation of 'Groundwater Clearance Application' for CGWA approval and EMP clearance. Hydrogeological Studies for 25 projects in ECL, CCL, WCL, SECL and NCL were completed during 2006-07. Studies for a number of other projects are under progress. Studies related to Temporary Work Permit for 15 projects in SECL command area, were also undertaken.

**1.5.2** Special Hydrogeological studies in 7 project areas of WCL and Mine Water Problem/Production Support studies in 4 project areas in SECL were undertaken during the year. The work of three WCL projects and all SECL projects have been completed. Hydrogeological notes on ground water condition of 15 WCL projects have also been completed during this period. CMPDI also took up Groundwater monitoring of 38 MOEF approved projects in WCL area.

**1.5.3** Apart from it, the R&D job on preparation of hydro-geological and watershed model of West Bokaro Coalfield has continued in 2006-07 and work is in advance stage of completion.

**1.5.4** CMPDI also took up Hydrogeological investigations of Kotre-Basantpur and Pachmo captive coal blocks in West Bokaro Coalfields for TISCO and Lanjigarh Bauxite mines in Orissa for Orissa Mining Corporation. The work of TISCO is under progress whereas report on Bauxite Mines has been submitted.

## **1.6 COAL BED METHANE (CBM)/ COAL MINE METHANE (CMM) AND UNDERGROUND COAL GASIFICATION (UCG)**

### **1.6.1 UNDP/Global Environment Facility (GEF) -GoI Project: Coalbed Methane Recovery and Commercial Utilisation**

A demonstration project named "Coalbed Methane Recovery & Commercial Utilisation" has been taken up by Govt. of India in collaboration with United Nations Development Programme (UNDP)/ Global Environment Facility (GEF) at Moonidih and Sudamdih mines of Bharat Coking Coal Limited in Jharia coalfield. The project document was prepared by expert engaged by UNDP. The project was sanctioned by

Govt. of India at an estimated cost of Rs.76.85 crores (USD18.082 million) in September'1999 with the project duration of 5 years. Ministry of Coal approved the Revised Cost Estimate (RCE)-June 2004 in August'2006 for Rs.92.427 crores with the completion schedule December'2007. Central Mine Planning & Design Institute Limited (CMPDI) and Bharat Coking Coal Limited (BCCL) are the implementing agencies on behalf of GOI.

During the year 2006-07, following activities have been undertaken or are in progress:

i) **International CBM recovery Equipment procurement under UNIDO:**

All the major equipment packages for surface drilling under procurement by UNIDO have arrived. The major equipment packages for underground drilling have been ordered. Horizontal Beam Based Long hole Drill delivered in Feb'06. One package i.e. Steering Tool for underground drill unit is under procurement by UNIDO. There has been delay in procurement of various equipment packages due to number of re-tendering by UNIDO, which has resulted in project time over run.

ii) **Laboratory Equipment under procurement by CMRI :**

Two laboratory equipment viz. Field Desorption Apparatus and Gas Chromatography System upgrade have been installed and commissioned at CMRI, at the project cost. Body building activity for the 3rd package 'Mobile Field Desorption Laboratory on the chassis' procured at project cost, has been taken-up. Procurement of the 4th Lab equipment i.e. Adsorption Isotherm Apparatus (New) is in tendering stage by CMRI.

iii) **CBM Utilisation equipment:**

To demonstrate the utilisation through recovered CBM/CMM, 1 MW (250kWx4) CBM gas-based Power Generating equipment at Moonidih mine have been ordered. To use CBM/CMM as fuel in the converted Mine Trucks at Sudamdih mine procurement of (i) Refuelling Station and (ii) Conversion Kits are under tendering stage.

iv) **Site activities:**

i) Vertical drilling unit commissioned at Moonidih has completed drilling of 1st Vertical well with completion depth of 1059m. The 2nd Vertical well has been drilled down to depth of 748m.

ii) Functionality test for the Beam Based Long Hole Drill (UG) has been done at surface. M/s DBT has furnished desired information to DGMS and DGMS has consented to shift the unit in the underground for functionality and performance test in the mine. DBT technical personnel arrived at site on 21st March'07 for shifting and performance test. Immediately on receipt of Steering tool the underground drilling will commence at Sudamdih.

iii) Gas Pipe Line route survey has been completed. Gas pipe line laying job is under tendering by respective areas. Laying will commence immediately after training on the Fusion Machine which has been delivered at site on 7th March'07.

### **1.6.2 Collaborative development of CBM prospects in Jharia & Raniganj coalfields by the consortium of CIL & ONGC.**

In terms of Govt. of India CBM policy, consortium of CIL and ONGC has been allotted 2 blocks – one each in Raniganj and Jharia coalfields for development of coalbed methane. In this project, CMPDI is the implementing agency on behalf of CIL.

#### **1.6.2.1 Jharia CBM Block:**

The Govt. of Jharkhand granted Petroleum Exploration License (PEL) to the consortium in August'03 for Jharia CBM block. Based on detailed study of all available geological and geophysical data by CMPDI & ONGC joint CBM team, location of 8 slimholes were fixed.

The drilling of slim hole had been started on 30th Dec'04 and drilling in all the 8 boreholes has since been completed. A total of 8703.65m has been drilled in the block. The meterage drilled during 2006-07 has been 141.04m. The CBM related tests have been undertaken and samples sent to CMRI for desorption test and to CMPDI Lab for other tests. All the test results have been received. Processing and compilation of geological data for the preparation of geological report are under progress. ONGC has taken up drilling of exploratory well in association with CMPDI.

#### **1.6.2.2 Raniganj CBM Block:**

The Petroleum Exploration License (PEL) for Raniganj CBM block was granted by the Govt. of West Bengal on 09.06.04 and geological exercise for locating slim holes/wells to be drilled in Raniganj CBM block has been carried out jointly by CMPDI-ONGC team. Consequent upon the above exercise, location of slim holes has been finalised.

The drilling of slimholes has been started on 23rd March'06. Out of 8 slimholes envisaged for drilling, 5 slimholes have been completed till March'07 and one slimhole is under progress. The drilling progress during 2006-07 has been 5225.50m and cumulative progress since commencement till March'07 is 5374.50m.

### **1.6.3 CBM Related Studies under Promotional Exploration during Xth Plan.**

CMPDI has taken up studies related to "Assessment of Coalbed Methane Gas-in-Place Resource of Indian Coalfields" through boreholes being drilled under promotional exploration (X Plan period) being funded by Govt. of India with a total plan expenditure of Rs.8.83 crores.

On getting approval of this project from the Govt. in September '04, the blocks under promotional exploration were prioritised and CBM related studies were taken up. Samples have been collected for desorption studies from 9 boreholes spread over different coalfields during 2006-07, while CBM related tests have been carried out in 21 boreholes since commencement.

### **1.6.4 Project proposals for assessment of CMM potential related to large opencast mines**

Project proposals for (i) Assessment of CMM Potential related to large open cast mines in Moher Sub Basin of NCL, Singrauli Coalfield at a project cost of Rs.1.94 crore and (ii) Assessment of CMM Potential associated with large open cast mines in Korba Coalfield at a project cost of Rs.1.76 crore have been submitted to NCL and

SECL respectively. Work order/approval for taking up these projects has since been received.

#### **1.6.5 Establishment of CBM/CMM Clearing House in India**

An MOU was signed between Ministry of Coal, Govt. of India and United States Environmental Protection Agency (USEPA) on 16<sup>th</sup> November '06 for establishment of CBM/CMM Clearing House in India. MoC has decided to establish the clearing house at CMPDI, Ranchi. Follow up action is under way.

#### **1.6.6 Generation of UCG Specific Additional data for Kasta Block, Raniganj coalfield has been initiated after receipt of approval from CIL.**

CIL has entered into an MOU with ONGC to jointly pursue UCG Projects. ONGC has entered into an MOU with Skochinsky Institute of Mining (SIM), Russia for providing technical consultancy in this field. CIL/CMPDI has identified 5 blocks and data packages were prepared for these blocks based on the formats supplied by ONGC/SIM. The data supplied were examined by the Soviet experts and only one block namely Kasta in Raniganj coalfield was selected for generation of additional data for considering its suitability for taking up Pilot Scale studies. Actions have been taken to generate the required data.

## **2.0 PROJECT PLANNING & DESIGN**

During the year 2006-2007, preparation of project reports for new / expansion / re-organisation mines for building of additional coal production capacity was carried out as per prioritisation of coal producing subsidiary companies of Coal India Limited. Thrust was given for preparation of reports of XI Plan Projects.

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

- Revision of project reports/cost estimates.
- Feasibility reports for coking/non-coking coal washeries.
- Study on improvement/modernisation of existing BCCL washeries.
- Operational plans for large OC mines.
- Environment Management Plan (EMP) including EMP for Post-facto environmental clearance for incremental production.
- Special reports for dealing with fire, subsidence and rehabilitation, etc.
- Detailed design and drawings, NIT, tender scrutiny, etc.
- 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, Powered Support Longwall faces, Continuous Miners and intermediate technology using SDLs and LHDs in CIL mines.
- Preparation of Global bid documents for introduction of Longwall and Continuous Miner Technology in underground mines of CIL.

During the year 2006-2007, expert consultancy services of CMPDI were also provided to the 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), Structural Adequacy Study of CHPs, Rainwater

Harvesting, Controlled Blasting & Vibration Studies and Explosive Utilisation, Ventilation / Gas Survey of UG mines, Mining Electronics, Slope stability, OBR Survey, Petrography and Cleat Study on coal samples, Coal Core Processing & Analysis, Washability tests, etc.

During the year 2006-2007, a total of 242 reports have been prepared for CIL and its subsidiary companies.

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

<b>REPORTS</b>	<b>Nos.</b>
GEOLOGICAL REPORTS	17
PROJECT REPORTS	23
REVISED PROJECT REPORTS	2
REVISED COST ESTIMATES	2
SPECIAL REPORTS	2
OPERATIONAL PLANS	12
OTHER STUDIES	151
EMPs	33*
<b>TOTAL</b>	<b>242</b>

\* In addition to 33 EMPs, Form-I has also been submitted for 32 Projects.

Detail of reports prepared during the period 2006-07 is furnished in Annexure-I.

## **2.1 PERSPECTIVE PLANNING & PROJECT APPRAISAL**

- i) Identification of coal mining projects to be taken up by CIL during XI Plan.
- ii) Updation of status of preparation and approval of X Plan Coal Mining Project reports.
- iii) Updation of status of implementation of ongoing projects costing more than Rs.100 crores in connection with Secretary (Coal)'s Review meeting.
- iv) Updation of coal linkage data in respect of Power (Utilities), Power (Captive), Cement, Sponge Iron, etc.

## **2.2 COAL & MINERAL PREPARATION**

CMPDI offers a broad spectrum technology services ranging from concept to commissioning of coal washeries, mineral beneficiation plants and modification/modernisation of existing plants. The broad technological services encompass exhaustive laboratory studies, project report preparation and project planning, detail design, construction management and wide range of R&D activities. Following major jobs have been completed during the year 2006-07:

- i) Assessment of throughput capacity of Dipka Washery.
- ii) Preparation of FR for installation of coal washery at Manuguru on "BOO" basis.
- iii) Development of data bank for CIL washeries for the year 2005-06.
- iv) Updated Cost Estimate of the Report on Fire Fighting arrangement at BCCL washeries (excluding Lodna & Barora Washeries) (May 2000).
- v) Preparation of electrical chapter including the "BOQ" of electricals and its costing for the report of installation of STP for Singrauli Township.



- vi) Preparation of Tender Specification Document for
  - ✓ Dhori washery on Turnkey basis,
  - ✓ Fine coal beneficiation by installing spiral concentrator at Nandan washery, and
  - ✓ Renovation of Komagjig of Nandan washery.
- vii) Completion report for S&T Project titled "Development of process for clarification of inlet & waste water for coal washery by using magnetic particle technology".

### **3.0 ENGINEERING SERVICES :**

Apart from providing consultancy services for coal handling plants, workshop, power supply, distribution and control systems, pumping and drainage system, industrial and residential buildings, roads and railway siding, townships, the following services were provided:

#### **3.1 Electrical and Mechanical Engineering Services**

##### **3.1.1 Energy Audit Management**

Petroleum Conservation Research Association (under Ministry of Petroleum & Natural Gas), Govt. of India, has empanelled CMPDI as Energy Auditor on PCRA's Panel.

Reports on benchmarking of diesel consumption and fixation of diesel consumption norms for two mines of NCL and one mine of CCL and benchmarking of electrical energy consumption and fixation of electrical energy consumption norms for three mines of NCL, one mine of CCL and one mine of WCL were prepared.

##### **3.1.2 Inspection Services**

CMPDI continued third party inspection services for pre-despatch inspection of equipment purchased by various subsidiaries of CIL. Total revenue earned from this services was Rs.83.20 lakhs during the year.

##### **3.1.3 Power supply, distribution and control system**

- i) NIT for 33 kV Modular sub-station for NCL
- ii) NIT for shifting & diversification of overhead transmission line of Bina sub-station, NCL
- iii) NIT for 33 kV sub-station of Block-B, NCL

##### **3.1.4 Other Studies**

- i) Preparation of tender documents for air conditioning system at hospital in Gevra, SECL.
- ii) Scheme for modification/upgradation of existing fire fighting system at Jayant CHP, NCL.
- iii) Fire fighting arrangement for computer room of NCL(HQ).
- iv) NIT for construction of workshop and store for krishnashila OCP, NCL.
- v) NIT for auto sampling system of Khadia CHP, NCL.

## 3.2 Civil Engineering Services

Following major services were completed during the year under review:

- i) Structural design of four numbers of new CHPs for WCL at Tawa, Umrer, Neeljai and Chargaon Opencast Projects.
- ii) Rehabilitation and structural adequacy study for the six numbers of circuits of Lingaraj CHP of MCL.
- iii) Civil/structural design of different structures related to water resources engineering like flood protection work of both banks of Basundhara river at the constructed weir site and intake well for the same for MCL.
- iv) Integrated Water Supply Scheme (IWSS) for the Ballarpur Area of WCL.
- v) Tender document for the turn-key execution of proposed Road Bridge over Basundhara river.
- vi) Tender document for the proposed excavation workshop at the Krishansheela Project for NCL was prepared.
- vii) Architectural design and estimation of the proposed State of the Art swimming pool at Residential colony of MCL at Jagriti Vihar, Sambalpur.
- viii) Rehabilitation and refurbishment work for different existing structures of Pathakhera Area, WCL.
- ix) Turnkey tender document for landscaping development work of Rose garden at Jayant, NCL.
- x) Renovation work for Nehru Sanskrutic Kendra at Jawahar Nagar colony of CCL.

## 4.0 RESEARCH & DEVELOPMENT PROJECTS

### 4.1 R&D Projects under S&T Grant of Ministry of Coal

The R&D activities in Coal sector is administered through an apex body namely, Standing Scientific Research Committee (SSRC) with Secretary (Coal) as its Chairman. The other members of this apex body include Chairman of CIL, CMDs of CMPDI, SCCL and NLC, Director of concerned 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.

The SSRC is being assisted by three Standing Sub-committees, each dealing with one of the three relevant major areas of research viz. (i) Production, Productivity & Safety (ii) Coal Beneficiation & Utilisation (iii) Environment & Ecology.

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, processing the proposals for Government approval, monitoring the progress of implementation of the projects, preparation of budget estimates, disbursement of funds etc.

#### 4.1.1 Physical performance

- ❖ During the X Plan Period (April 2002 to March 2007), a total of 51 projects have been completed by various agencies.
- ❖ The status of Coal S&T Projects in the XI Plan period is as under:

i)	Projects on-going as on 1.4.2007	-	36
ii)	Projects sanctioned by GOI during 2006-07	-	06
iii)	Projects completed during 2006-07	-	10
iv)	Projects on-going as on 1.5.2007	-	42

❖ Following Coal S&T Projects were completed during 2006-07:

- i) Study on enhancement of recharge potential in the recharge area to the Neyveli deep seated aquifers.
- ii) Standardisation of blast vibration damage threshold for the residential structures in mining areas.
- iii) Study into extent of abutment loading trend and design of advance support during pillar extraction by stowing in a coal mine.
- iv) Development of high strength corrosion resistant roof bolts and guidelines for selection of bolts and accessories.
- v) Development of integrated mine operation management system for a large opencast coal mine.
- vi) Feasibility study for the application of radar technique for detection and mapping of geological faults and water bodies in UG coal mines.
- vii) Separation of marcasite from pulverised lignite using fluidised bed.
- viii) Evaluation of Combustion behaviour of coal at different ash levels.
- ix) Development of process for potential utilisation of natural coke (Jhama) in Industrial Application.
- x) R&D leading to gainful industrial utilisation of heat affected Jharia Coals.

#### 4.1.2 Financial Status

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

(Rs. in Crores)

2002-03		2003-04		2004-05		2005-06		2006-07	
RE	Actual	RE	Actual	RE	Actual	RE	Actual	RE	Actual
9.50	6.04	10.04	9.82	9.50	6.04	10.04	9.82	6.0	7.63

#### 4.2 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 co-ordination of research activities funded by CIL R&D Board.

4.2.1 The status of CIL R&D Board Projects during 2006-07 was as follows:

i)	Projects on-going as on 1.4.2006	-	15
ii)	Projects sanctioned during 2006-07	-	02
iii)	Projects completed during 06-07	-	02
iv)	Projects on-going as on 1.4.07	-	15

4.2.2 The disbursement of fund for R&D jobs during the year 2006-07 was Rs.8.66 crores.

## **5.0 CO-ORDINATION OF EMSC SCHEMES**

CMPDI is the nodal agency for co-ordination and monitoring of ongoing environmental upgradation schemes sanctioned by Ministry of Coal under the head "Environmental Measures and Subsidence Control". CMPDI undertakes technical scrutiny of new proposals, visits to project sites and disburses funds to the implementing agencies. 18 schemes are under implementation including 3 fire control schemes.

## **6.0 LABORATORY SERVICES**

### **6.1 Chemical Laboratory**

- i) Characterisation of coal was carried out on borehole coal cores from 21 blocks explored by CMPDI in different coal companies of CIL. A total of 5316m of coal cores were processed and 14702 nos. of samples were analysed for quality evaluation and their downstream utilisation.
- ii) Characterisation of coal for sponge iron from exploration blocks is being routinely taken up. Characterisation in respect of some blocks has already been completed and for others, it is in progress.
- iii) Detailed characterisation report of ROM and Washed coals from Bina & Dudhichua OCP of NCL were completed.

### **6.2 Coal Petrography Laboratory**

This laboratory has been accredited by International Committee of Coal and Organic Petrology (ICCP) for vitrinite reflectance and maceral analysis as per IS 7404. Following jobs were undertaken during the year 2006-07:

- i) Petrographic studies (vitrinite reflectance and maceral analysis), mineralisation study (through XRD technique), shape & size study of minerals and cleat analysis (through SEM technique) for 530 coal samples were completed against the target of 350 samples. The areas covered include 10 exploration blocks from different coal companies of CIL and imported/indigenous coal from outside agencies.
- ii) CIL R&D funded project entitled "Resource assessment and characterisation study of non-coking coals for sponge iron industry" is in progress.

### **6.3 Coal Preparation Laboratory**

The Coal Preparation Laboratory has carried out studies relating to beneficiation characteristics and characterisation of coal samples from different coal companies like CCL, ECL & WCL. The following studies were taken up during the year 2006-07:

- i) Washability studies of 4 coal samples of CCL, namely Tetariakhar, Urimari, Parej East, Karo OCP and one sample from Kalyaneshwari block of BCCL.
- ii) Suitability of coal samples from Neeljay, Ukni & Mungoli OCP of WCL and Rajmahal OCP of ECL for use in Sponge Iron Industry.
- iii) Beneficiation studies on raw coal feed to Nandan washery of WCL.

### **6.4 CBM Laboratory**

- i) Gas composition study of test samples collected from borehole coal cores for CBM block has been carried out during the year.

## **6.5 Mining Laboratory**

Mining Laboratory caters for the jobs related with rock mechanics, strata control and subsidence. Following jobs were carried out during 2006-07:

### **6.5.1 Rock Mechanics**

- i) Tests were conducted on 1633.58m length of drill core samples for determination of physico-mechanical properties.
- ii) Tests were conducted on 56 nos. roof rock samples from various mines of CIL for determination of strength properties, slake durability index and density.
- iii) Compressive strength of R-VI seam of Jhanjra UG Project, ECL was determined.

### **6.5.2 Strata Control & Subsidence**

- i) RMR studies for 37 mines/districts of CIL have been completed and reports submitted.
- ii) Subsidence prediction reports were prepared for three underground mines of CIL.

## **7.0 ENVIRONMENTAL SERVICES**

### **7.1 EIA / EMPs**

During the year, CMPDI formulated 33 EMPs for projects of subsidiary companies of CIL. In addition to this, in terms of the New EIA Notification dated 14th September 2006, Form-I with TOR has also been submitted to MoEF, for 32 projects of Coal Companies.

### **7.2 Environmental Monitoring for 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 up at the project level during their operational phase. During 2006-07, environmental monitoring work of 238 projects of CIL (ECL – 16, CCL – 59, WCL – 80, SECL – 50, NCL – 9 and MCL – 24) was carried out by CMPDI through six environmental laboratories located at Asansol, Jayant, Kusmunda, Hasdeo, Nagpur and Ranchi.

### **7.3 Special Studies**

- i) A S&T project titled "Development of Emission Factors for various mining machineries and operation in OC Coal Mines", approved by Ministry of Coal in April'02 for an estimated cost of Rs 78.01 lakhs, is under implementation.
- (ii) A S&T project titled "Fly Ash Characterisation for Mine Void Reclamation", approved by Ministry of Coal for an estimated total cost of Rs 287.684 lakhs, is under implementation.
- (iii) A S&T project on "Development of Suitable Biological Wastewater Treatment Technology through Constructed Wetlands for Treatment of Acid Mine Drainage from Coal Projects", approved by Ministry of Coal for an estimated value of Rs.78.62 Lakhs in 37<sup>th</sup> meeting of SSRC held on 23.02.2004, is under implementation.

#### **7.4 Study of Environmental Problems of Aravali Hills & Preparation of Action Plan for Restoration of Environmental Quality – Udaipur & Chittorgarh**

With a quest to solve the problems of environmental degradation and to promote sustainable development in the Aravali Hill range, Central Pollution Control Board assigned the work of study of environmental problems of Aravali Hills and to prepare the action plan for restoration of environmental quality in Udaipur and Chittorgarh districts of Rajasthan to CMPDI.

The draft report, based on baseline data generation/collection and interaction with various stakeholders, has been prepared and presented to CPCB in February 2006. The report was revised based on the input received in the meeting and was further discussed amongst various stakeholders in March 2007. Comments of the stakeholders are awaited.

#### **7.5 Environmental Master Plan of Alwar District**

In order to promote sustainable development of Alwar district of Rajasthan which is covered under Aravali Notification, Government of India, Rajasthan State Pollution Control Board assigned the work for 'Preparation of Environmental Master Plan of the district' to CMPDI with the objective of study of natural resource base, study of existing environmental scenario, traditional practice of using the resources, stress on the system by industrial, mining, tourist activities etc. and preparing the Environmental Master Plan based on criteria of sustainability.

The final report submitted to Rajasthan State Pollution Control Board was further discussed with department of Environment and Government of Rajasthan. Their comments have been received. The report is being accordingly revised for submission.

#### **7.6 EIA/EMP study for Dhori washery, CCL**

Central Coalfields Ltd., Ranchi awarded the work of Preparation of EIA/EMP of Dhori Washery (2.5 MTY) in December 2006. Form I including TOR has been submitted to CCL for onward submission to MoEF.

#### **7.7 Rapid EIA for Krishnashila Coal Transportation system, Renusagar Power division, HINDALCO**

M/s HINDALCO awarded the work of Preparation of Rapid EIA for Krishnashila Coal Transportation system for Renusagar Power Division in April'2006. Rapid EIA based on the environmental baseline data provided by M/s HINDALCO is under preparation.

#### **7.8 Sewage Treatment Scheme**

The final report for Preparation of scheme for 1.5 MLD STP at Singrauli Township and CETI Colony, NCL, based on Upflow Anaerobic Sludge Blanket (UASB) treatment technology has been submitted.

### **8.0 INFORMATION AND COMMUNICATION TECHNOLOGY**

The following jobs were completed during the year under review:

- i) Spatial data preparation for CCL Land Information Systems
- ii) Upgradation of GIS enabled GeoMine database for CCL
- iii) Executive Information System for Coal India Limited

- iv) Enhancement of subsidence prediction system
- v) Extension of Leased Circuit to BCCL campus
- vi) Extension of Local Area Network at BCCL HQ
- vii) Project report for CoalNet Phase II – MCL Colliery Level

## **9.0 HUMAN RESOURCE DEVELOPMENT:**

Your company believes that the strength and quality of Human Resource is the backbone for dynamic and vibrant organisation. The company continued to nurture its professionals to manage the operation of the company and provide the leadership and techno-managerial inputs. Being knowledge-based company, efforts have been made to recognise individual's knowledge- strength and interweave them into a strong fabric. Human Resource Development programmes in CMPDI are coordinated either through its in-house Staff Training College or Reputed Training Institutes in the country including IICM.

During the year 2006-07, training was imparted to 900 employees through various programmes at different places. These programmes were conducted under five major categories namely (i) Managerial/General (ii) Technical/Functional (iii) Cross Functional (iv) Computer/Information Technology and (v) others.

To bring the global competency in core activities of the company, company has created numerous opportunities for the employees to visit other advanced countries. 11 (eleven) executives were sent abroad for training/meeting/conference etc.

The special exposures were given to our employees in following areas:

- Mechanisation of UG Coal Mines - Challenges & Technology operation
- Coal for sustainable energy - clean development & climate change
- Environment aspects in Mining operation
- Right To Information Act
- Ground Water Governance
- Project planning, Monitoring & Control System
- UNFC Classification for reserve estimate
- Energy audit, with the help of NPC, Kolkata
- Map preparation using Auto Cad and Arc GIS
- Development in Explosive & Blasting technology
- Conservation of electrical energy.
- Design for bridges & silos

## **10.0 SPECIALISED SERVICES:**

### **10.1 Geomatics**

The services provided by CMPDI includes (i) remote sensing studies through aerial photos & satellite data for preparation of thematic maps, geostructural maps, siting of power stations, environmental baseline data generation, etc. (ii) terrestrial survey, mine survey, overburden and coal excavation survey, underground mine correlation survey.

### **10.1.1 Remote Sensing:**

The jobs completed during the year 2006-07 are as follows:

- i) Land use/cover mapping of buffer zone of 10 km. radius based on satellite data for 30 coal mining projects of CIL (ECL – 6, BCCL – 6, CCL – 9, SECL – 6 and MCL – 3) for preparation of environmental management plan (EMP).
- ii) Land use/cover mapping of buffer zone of 10 km. radius based on satellite data for Kotre Basantpur coal mining project of TISCO for preparation of environmental management plan (EMP).
- iii) Large scale land use/cover map based on high resolution satellite data for lease hold area of 3 coal mining projects of WCL and 2 coal mining projects of CCL for compliance of the MoEF condition imposed on EMP.

One CIL R&D Project "Development of methodology for rapid volumetric analysis of excavated in-situ overburden integrating high resolution satellite, airborne laser scanner data supported with ETS through digital photometric technique" is under implementation.

### **10.1.2 Survey and Drawing**

The following major survey works were completed during the year:

- i) Periodic OBR check measurement was carried out for 45 OC mines (2 in ECL, 4 in BCCL, 1 in CCL, 8 in WCL, 10 in SECL, 8 in NCL, 10 in MCL and 2 in NEC).
- ii) Outsourcing/ Contractual OC Patch survey were conducted for 46 OC patches (22 in ECL, 9 in BCCL, 3 in CCL, 10 in SECL, 1 in NCL and 1 in MCL).
- iii) UG survey - transfer of bench mark at four pits of Mudidih Colliery, BCCL
- iv) Scale conversion of 4 nos. mine plans (FPS to MKS)
- v) Transformation of local coordinates into National Grid Coordinates by GPS - DRD Project
- vi) Survey work to locate the position of towers for 500KV DC Power line from Neelachal block to South of Gopalprasad of MCL
- vii) Borehole survey in 11 camps
- viii) Exploration survey of 13 blocks
- ix) Borehole coordinates survey (88 nos.)

One R & D Project titled "Development of accurate and rapid method of Correlation Survey of U/G mines" is under implementation.

### **10.2 Blasting**

CMPDI has been rendering specialised technical services to CIL subsidiaries and other companies for solution of blasting related problems, testing of explosives and explosive accessories, performance evaluation of new products, etc. Following services were rendered to different subsidiaries of Coal India Ltd. & outside agencies during 2006-07:

- i) A total 4 nos. of controlled blasting & vibration studies were carried out for different mines of BCCL, CCL and MCL.



- ii) Powder factor study was carried out in all the mines of CCL, BCCL, MCL, NEC and NCL as a tri-partite member.
- iii) Random sampling and testing of explosives and accessories were carried out in the mines/magazines of BCCL, CCL, NCL and NEC.
- iv) One S&T project titled "Characterisation of rock and explosive parameters for optimal explosive energy utilisation in opencast blasting" is being executed by CMPDI in association with CMRI, Dhanbad.

### **10.3 Mining Electronics**

CMPDI renders services to subsidiary companies of CIL in preparing Feasibility Reports, Detailed Design Reports, and Tender Documents for establishing communication network at various subsidiaries of CIL. It also renders valuable services to subsidiary companies in repairing and calibration of gas detectors used in underground mines for safety purpose, as well as in repairing of Imported/Indigenous HEMM cards. The following jobs were completed during the year:

#### **10.3.1 Preparation of Reports/Schemes/NIT**

- i) Scheme for PLC control for Bina Deshaling Plant NCL
- ii) Scheme for high speed LAN for Sonapur Bazari & Kunustoria Areas of ECL
- iii) NIT for Environmental Monitoring System (EMS) for Chinakuri-I & Narsamuda Mines of ECL
- iv) One S&T Project "Conveyor control for underground mines" is being executed in association with RDCIS, Ranchi.

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

Repair and calibration of 170 nos. methanometers and repair and testing of 175 nos. HEMM cards were carried out.

### **10.4 Non-Destructive Testing (NDT)**

NDT for the following were carried out during the year:

- i) NDT of CHP structure column of Khadia OCP, NCL and Hasdeo Area, SECL.
- ii) Three nos. draglines of WCL and MCL.
- iii) Winder and cage and suspension gears of Katghori shaft of Churcha East mine, SECL and Sudamdih Mine, BCCL.
- iv) Important elements of emergency cage, breaking system of winders and cage & suspension gears of Moonidih Mine, BCCL.
- v) Winders of various mines of Manganese Ore (India) Ltd., Ballarpur mine (WCL) and Bastacola mine (BCCL).

### **10.5 COAL TECHNOLOGY**

The following jobs were completed during the year:

- i) Technical evaluation of different S&T projects relating to coal utilisation.
- ii) Identification of non-coking coal resource in the command areas of all coal producing companies of CIL for the production of Sponge Iron.

The following S&T projects are in progress in association with CFRI, Dhanbad:

- i) Development of cheap, energy efficient by-product coke oven for production of hard coke for steel/metallurgical use.
- ii) Development of process/technique for utilisation of less matured non-coking coal for making hard coke by utilising stamp charging.

## **10.6 Management System Consultancy**

CMPDI diversified into management system consultancy in 1998. Over the years, it has expanded its capabilities in this field, and now offers the whole gamut of management system consultancy services that cover ISO 9001 Quality Management System (QMS), ISO 14001 Environmental Management System (EMS), OHSAS 18001 Occupational Health and Safety Assurance Series, Six Sigma application, and industry specific translations of ISO 9001, e.g., ISO 17025, ISO 16949, etc. The scope of such consultancy services provided includes:

- i) Creation of management systems;
- ii) Providing training support;
- iii) Initial implementation and certification support, and
- iv) Post certification support/assessments, etc.

### **10.6.1 Management System Consultancy for CIL and its Subsidiary Companies**

CMPDI has assisted CIL subsidiary companies to achieve a total of 52 ISO 9001 and/or ISO 14001 certifications through its consultancy. Presently, CMPDI is providing management system consultancies for 84 certifications under ISO 9001, ISO 14001 and OHSAS 18001 in various CIL establishments which include all the major opencast coal mining projects and some of the major underground mines.

ISO 9001 and ISO 14001 certifications of NCL as a whole company is also being undertaken which includes all its mines, support establishments and corporate functions.

### **10.6.2 Job completed in 2006-07**

Management system consultancy worth about Rs.40 lakhs was completed during the year which resulted into ISO 9001 certifications of 4 establishments (2 OCPs, 1 Washery and 1 hospital) and ISO 14001 certifications of 4 establishments (3 OCPs and 1 Washery). Apart from these, upgradation of ISO 14001 certification of 3 opencast mines in latest 2004 version was also done under CMPDI's consultancy.

## **11.0 OUTSIDE – CIL CONSULTANCY**

During the year 2006-07, 19 consultancy jobs were completed for 12 organisations outside CIL (Annexure-II). Some of the major clients/organisations for whom jobs were completed are National Thermal Power Corporation Ltd., Tata Steel Ltd., Singareni Collieries Company Ltd., Manganese Ore (India) Ltd., Orissa Mining Corporation, Electrosteel Casting Ltd., etc.

Presently, 15 outside consultancy jobs are in hand for 12 organisations like Central Pollution Control Board, National Thermal Power Corporation Ltd., Tata Steel Ltd., Indian School of Mines, Neyveli Lignite Corporation Ltd., Steel Authority of India Ltd., Chhattisgarh Mineral Development Corporation Ltd., Chhattisgarh State Electricity Board, National Aluminium Company Ltd., Haryana Power Generation Corporation Ltd., HINDALCO, etc.

During the year 2006-07, 21 jobs worth Rs. 324.31 lakhs from 12 organisations were procured by CMPDI.

## 12.0 MANPOWER AND WELFARE ACTIVITIES

### 12.1 MANPOWER

Particulars		As on March 31, 2006	As on March 31, 2007
<b>Executive</b>		<b>807</b>	<b>774</b>
<b>Non executive</b>			
	Monthly Rated	1431	1390
	Daily Rated	996	963
		<b>2427</b>	<b>2353</b>
<b>Grand Total</b>		<b>3234</b>	<b>3127</b>

### 12.2 WELFARE ACTIVITIES

- i) CMPDI has 2518 nos. quarters at its Headquarters and Regional Institutes with housing satisfaction of 100%.
- ii) Adequate supply of drinking water has been made available to employees of CMPDI.
- iii) 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.
- iv) CMPDI provides financial assistance/grant to DAV Public School, Gandhi Nagar, Ranchi and Birsa Uchcha Vidhyalaya, Hatiagonda, Ranchi which is only for tribal students. There are 20 nos. of school buses including hired small vehicles for school going children of employees. Scholarship is also awarded to the children of CMPDI employees as per provision of CIL.
- v) The Company also organised Inter Coal Carrom Tournament of 2006-07 in December 2006. Its team also took part in Inter Coal Cricket, Table Tennis and Athletic Tournament during the year.
- vi) Canteen facility has been provided at CMPDI HQ and at two of its Regional Institutes at Asansol and Bhubaneshwar. Food is provided to its employees at 50% subsidy.
- vii) Gratuity and Pension papers are given to the employees on the day of their superannuation.
- viii) There are 3 (three) co-operative credit societies in CMPDI.

## 13.0 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 and Coal India Limited and made multi dimensional efforts to enhance the progressive use of Official Language Hindi in daily official routine work during the period under review.

Besides, documents under Section 3(3) of the Official Language Act, the minutes of the different meetings held at the level of CMD/Director, 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 enhance the creative writing in Hindi, which fetched laurel all over.

Four quarterly meetings of Official Language Implementation Committee were also organised during the year under review. Dr. Mata Prasad (Ex-Governor, Arunachal Pradesh), the Hon'ble member of the Hindi Advisory Committee, Ministry of Coal and Observer of CMPDI, was specially invited in the meeting of Official Language Implementation Committee held in the month of June 2006 for the quarter ending June'06 to preside over the meeting. He appreciated the company's achievements / efforts made in the field of Official Language Policy. He also observed that company has achieved many targets in progressive use of Hindi fixed in the annual programme issued by the Ministry of Home Affairs for the period of 2006-07. A number of employees ranked 1<sup>st</sup> to 5<sup>th</sup> in different Hindi competitions held during the Quarter, to propagate the progressive use of Hindi, were awarded cash prizes and books by the Hon'ble Member & Observer of the company on the occasion. The remaining three meetings were presided over by Chairman-cum-Managing Director of the company 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.

The month of September was organised as Hindi Month as per the directive of Ministry of Coal. In order to propagate and make Hindi popular among the employees of the company several Hindi competitions were organised. A large number of employees participated in all competitions held during the month and the winners were awarded suitably. In addition to this, two departments who have done most of their official work in Hindi were awarded CMPDI CMD's winner and runner shield respectively.

Four Hindi workshops were also organised under the aegis of Staff Training College (Human Resource Development) to facilitate the use of Official Language Hindi in day-to-day work. All Hindi Workshops were very much effective in removing hesitation of the employees in the field of progressive use of Hindi in daily routine work.

#### **14.0 DIRECTOR'S RESPONSIBILITY STATEMENT:**

- 15.1** In the preparation of the annual accounts, the applicable accounting standard had been followed along with proper explanation relating to material departures.
- 15.2** 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.
- 15.3** 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.
- 15.4** The directors had prepared the annual accounts on a going concern basis.

**AUDITORS:**

On the advice of the comptroller and Auditor General of India M/s U. Narain & Co., Chartered Accountants, Ranchi were appointed as Auditors of the Company for the financial year 2006-07. They were also appointed Tax-Auditors for the year U/S 44 (AB) of the Income-Tax Act, 1961.

**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 National Thermal Power Corporation Ltd., Tata Steel Ltd., Singareni Collieries Company Ltd., Manganese Ore (India) Ltd., Orissa Mining Corporation, Electrosteel Casting Ltd., Kolkata, Indian School of Mines, Neyveli Lignite Corporation Ltd., Steel Authority of India Ltd., Chattisgarh State Electricity Board, National Aluminium Company Ltd., Haryana Power Generation Corporation Ltd., HINDALCO etc. for the confidence reposed in us and the patronage extended to us.

**ADDENDUM:**

Particulars of employees required under Section 217(2A) of the Companies Act, 1956 (Nil Report) and Comments of the comptroller & Auditor General of India under section 619 (4) of the Companies Act, 1956 are attached.

For and on behalf of the Board of Directors

Ranchi  
Date : 18.08.2007

(S. Chaudhuri)  
Chairman-cum-Managing Director

## ANNEXURE- I

## LIST OF COMPLETED REPORTS DURING 2006-07

REGIONAL INSTITUTE/HQ	NAME OF THE REPORTS
<b>GEOLOGICAL REPORTS</b>	
HQ	1. KALYANESHWARI
RI-I	1. BELBAID
	2. MOHANPUR
RI-III	1. ROHNE (NON-CIL)
	2. KERENDARI 'A' (NON-CIL)
	3. RAMGARH-II NORTH
RI-IV	1. SAONER-IV
	2. PAUNI-III
RI-V	1. JAGANNATH (MAHAN III & IV)
	2. GARE SECTOR-III (NON-CIL)
	3. BATURA OC (NON-CIL)
RI-VI	1. JHINGURDAH PROJECT
	2. MOHER-AMLOHRI EXTN.
RI-VII	1. TALABIRA-II & III
	2. UTKAL 'A' & WESTERN PART OF GOPALPRASAD WEST
	3. GOPALPRASAD EAST AND EASTERN PART OF GOPALPRASAD WEST
	4. BIJAHAN
<b>PROJECT REPORTS</b>	
RI-I	1. CHITRA EAST OC
RI-III	1. MAGADH OCP (20 MTY)
	2. ASHOK OCP EPR (10 MTY)
	3. PIPARWAR EXPANSION OCP
	4. PURNADIH OCP
	5. PR FOR PRODUCTION AUGMENTATION BY CONTINUOUS MINER AT CHURI-BENTI UG
RI-IV	1. MOTAGHAT OC (1.0 MTY)
	2. SAONER-I EXTENSION UG (0.75 MTY)
	3. BORDA (NORTH OF GHONSA) UG (0.96 MTY)
	4. NEW MAJRI OC (UG TO OC CONVERSION) (0.60 MTY)
	5. DHUPTALA OC (UG TO OC CONVERSION) (0.60 MTY)
RI-V	1. DIPKA OC EXPANSION (25 MTY)
	2. GEVRA OC EXPANSION (35 MTY)
	3. KUSMUNDA OC EXPANSION (15 MTY)
	4. KARTALI EAST OC (2 MTY)
	5. BAROUD EXPN. (RAI WEST) OC (3 MTY)
RI-VII	1. SAMLESWARI OCP EXPN. (7 MTY) (2 MTY INCREMENTAL)
	2. TALABIRA-II & III COMBINED (20 MTY)
	3. PR OF ANANTA CHP SILO
	4. BASUNDHARA WEST OCP (5 MTY) (2.6 MTY INCREMENTAL)
	5. GOPALPRASAD WEST AND UTKAL-A COMBINED OCP (15 MTY)
	6. HINGULA-II EXTN. OCP (15 MTY) (7 MTY INCREMENTAL)
HQ	1. PROJECT REPORT FOR DEPLOYMENT OF CONTINUOUS MINER IN HIRAKHAND BUNDIA MINE, MCL
<b>REVISED PROJECT REPORTS</b>	
RI-V	1. MAHAN OC (0.36 MTY)
	2. MAHAMAYA UG
<b>REVISED COST ESTIMATES</b>	
RI-III	1. CHURI UG MINE (0.16 MTY)
RI-VII	1. BASUNDHARA (WEST) OCP (2.4 MTY)
<b>SPECIAL REPORTS</b>	
RI-II	1. REVISED MASTER PLAN FOR DEALING WITH FIRE & REHABILITATION IN THE LEASEHOLD OF BCCL

2. MODIFIED REVISED DEMONSTRATION SCHEME FOR SHIFTING OF PEOPLE FROM MOST ENDANGERED AREAS IN BCCL

#### **OPERATION PLANS**

- |              |                                 |
|--------------|---------------------------------|
| <b>RI-I</b>  | 1. SONEPUR BAZARI - A (2007-08) |
| <b>RI-IV</b> | 1. UMRER OC                     |
|              | 2. GHUGUS OC                    |
|              | 3. SASTI OC                     |
| <b>RI-VI</b> | 1. JAYANT OCM (2006-07)         |
|              | 2. BINA OCM (2006-07)           |
|              | 3. DUDHICHUA OCM (2006-07)      |
|              | 4. AMLOHRI OCM (2006-07)        |
|              | 5. NIGAH I OCM (2006-07)        |
|              | 6. KHADIA OCM (2006-07)         |
|              | 7. KAKRI OCM (2006-07)          |
|              | 8. JHINGURDAH OCM (2006-07)     |

#### **OTHER REPORTS**

- |               |                                                                                                                    |
|---------------|--------------------------------------------------------------------------------------------------------------------|
| <b>RI-I</b>   | 1. BLASTING & VIBRATION STUDY FOR HARIAJAM COLLIERY, ECL                                                           |
|               | 2. BLASTING & VIBRATION STUDY FOR BADJNA PATCH OCP, ECL                                                            |
|               | 3. GAS SURVEY OF R-X SEAM AT NARSAMUDA COLLIERY, ECL                                                               |
|               | 4. VENTILATION STUDY OF NKJ UNIT OF KHANDRA COLLIERY, ECL                                                          |
|               | 5. CONCEPTUAL NOTE ON CHAPAPUR-II PATCH OCP                                                                        |
|               | 6. CONCEPTUAL NOTE ON MADHAVPUR PATCH OCP                                                                          |
|               | 7. CONCEPTUAL NOTE ON DALURBAND (PH-II) PATCH OCP                                                                  |
|               | 8. CONCEPTUAL NOTE ON KHAS SHAMPUR OC PATCH                                                                        |
|               | 9. CONCEPTUAL NOTE ON BANKOLA OC PATCH                                                                             |
|               | 10. CONCEPTUAL NOTE ON KHUDIA OC PATCH                                                                             |
|               | 11. BLASTING & VIBRATION STUDY AT KHUDIA COLLIERY                                                                  |
|               | 12. ENERGY AUDIT SCHEMES OF SIDULI MINE                                                                            |
| <b>RI-II</b>  | 1. REPORT ON FEASIBILITY OF OPENCAST POTENTIALITY WITH I/II SEAM AS BASE AT BLOCK-II OCP                           |
|               | 2. NOTE ON WORKING POTENTIALITY OF LAIKDIH SEAM AT BEGUNIA COLLIERY                                                |
|               | 3. ASSESSMENT OF MINING POTENTIALITY AT VICTORIA WEST COLLIERY                                                     |
|               | 4. REPORT ON TECHNICAL FEASIBILITY OF TRENCH CUTTING TO ISOLATE R.S.P. COLLEGE, JHARIA                             |
| <b>RI-III</b> | 1. CONCEPTUAL REPORT FOR INTRODUCTION OF KATHARA HIGHWALL MINER                                                    |
|               | 2. SLOPE STABILITY STUDY OF GEVRA OCP (HIGH WALL)                                                                  |
|               | 3. SLOPE STABILITY STUDY OF JAYANT OCP (OB DUMP)                                                                   |
|               | 4. RAINWATER HARVESTING OF NORTH URIMARI OCP                                                                       |
|               | 5. RAINWATER HARVESTING OF GIDI WASHERY                                                                            |
|               | 6. RAINWATER HARVESTING OF KARO OCP                                                                                |
|               | 7. PRE-FEASIBILITY REPORT OF AMLO OCP                                                                              |
|               | 8. PRE-FEASIBILITY REPORT OF URIMARI OCP                                                                           |
|               | 9. PRE-FEASIBILITY REPORT OF KHASMAHAL OCP                                                                         |
|               | 10. REPORT ON MAGNETIC RESISTIVITY & SEISMIC REFRACTION SURVEY AT KERANDARI BLOCK                                  |
|               | 11. MINE MODELLING OF PIPARWAR OCP THROUGH MINEX                                                                   |
|               | 12. PRE-FEASIBILITY REPORT OF ROHINI OCP (EXP.N.)                                                                  |
|               | 13. PRE-FEASIBILITY REPORT OF KEDLA OCP                                                                            |
|               | 14. PRE-FEASIBILITY REPORT OF KARMA OCP                                                                            |
|               | 15. PRE-FEASIBILITY REPORT OF HURILONG UG MINE                                                                     |
|               | 16. PRE-FEASIBILITY REPORT OF TARM I OCP                                                                           |
| <b>RI-IV</b>  | 1. SCHEME FOR CHATTARPUR UG EXPANSION                                                                              |
|               | 2. ENERGY AUDIT WITH BENCHMARKING OF HLC GROUP OF MINES                                                            |
|               | 3. SCHEME FOR WORKING PIMPALGAON OC FOR NEXT THREE YEARS                                                           |
|               | 4. ASSESSMENT OF MINEABLE, EXTRACTABLE & GEOLOGICAL RESERVE FOR PREPARATION OF MINE PLAN FOR RENEWAL OF MINE LEASE |
|               | 5. STUDY ON REVISED STRIPPING RATIO FOR UMRER OCP & DURGAPUR OCP                                                   |
|               | 6. VENTILATION SURVEY OF SAONER UG MINE-I                                                                          |
|               | 7. GAS SURVEY OF SEAM IV M OF ADASA UG MINE                                                                        |
|               | 8. ENERGY AUDIT REPORT (ELECTRICAL) WITH BENCHMARKING OF GONDEGAON OC                                              |

9. ASSESSMENT OF LEFT COAL IN ABANDONED MINES OF WCL
  10. REVISED TECHNICAL REPORT ON EXTN. OF GHUGUS OC
  11. ENERGY AUDIT REPORT (ELECTRICAL) WITH BENCHMARKING OF SHOBHAPUR UG
  12. ENERGY AUDIT REPORT (DIESEL) WITH BENCHMARKING OF GONDEGAON OC
  13. TECHNO-ECONOMIC STUDY FOR INTRODUCTION OF CONTINUOUS MINER TECH AT SARNI UG
  14. REVISED TECHNICALNOTE FOR GAURI-I & II OC
  15. ENERGY AUDIT REPORT (ELECTRICAL) WITH BENCHMARKING OF TANDSI UG
  16. GAS SURVEY FOR PATANSAONGI MINE
  17. MINING PLAN FOR RENEWAL OF MINING LEASE OF 7 MINES OF WCL
  18. SCHEME FOR DEVELOPMENT OF DHAU NORTH BLOCK
  19. REPORT ON FEASIBILITY AND SUITABILITY OF TYPES OF MAN-RIDING SYSTEM IN WCL
  20. ENERGY AUDIT REPORT (DIESEL) WITH BENCHMARKING OF UMRER OC
- RI-V**
1. MANRIDING SCHEME FOR BEHERABAND UG
  2. DEPILLARING OF SEAM VT OF BEHERABAND UG
  3. REORGANISATION OF UG TRANSPORT LAYOUT
  4. BLASTING PATTERN FOR CONTROLLED BLASTING AT WEST CHIRIMIRI COLLIERY
  5. INSTALLATION OF FAN AT AMADAND UG
  6. FUTURE STRATEGY FOR LONGWALL AT RAJENDRA UG, SECL
  7. SCHEME FOR PROCUREMENT OF TWO LHD AT KAPILDHARA UG
  8. TECHNO-ECONOMICS OF SEPARATE ENTRY AT PALKIMARA INCLINE WITH MANNER OF EXTRACTION
  9. CONTROLLED BLASTING REPORT FOR BIRSINGHPUR UG
  10. POWDER FACTOR ASSESSMENT IN ALL SECL MINE
  11. POWDER FACTOR IMPROVEMENT IN AMADAND UG MINE
  12. MARGINAL SCHEME FOR EXTRACTING 7A1 SEAM BY WIDE & STALL METHOD AT RAJNAGAR RO
  13. REPORT ON CONTROLLED BLASTING STUDY AT RAJNAGAR RO UG
  14. REPORT ON CONTROLLED BLASTING STUDY AT NCC (DEWA INCLINE) UG
  15. SCHEME OF BAROUD OC (1 MTY TO 2 MTY)
  16. SCHEME FOR INCREASING PRODUCTION OF BAGDEVA UG MINE
  17. REPORT ON CONTROLLED BLASTING STUDY AT CHIRIMIRI OC, SECL
  18. REPORT ON CONTROLLED BLASTING STUDY AT MANIKPUR OC, SECL
  19. SCHEME FOR PRODUCTION AUGMENTATION OF KANHAN OC (0.32 MTY TO 0.65 MTY)
  20. SCHEME FOR PRODUCTION AUGMENTATION IN KAPILDHARA UG BY EXTRACTION OF COAL FROM SEAM 'C' FROM ONE ADDITIONAL DISTRICT (0.32 MTY TO 0.65 MTY)
- RI-VI**
- RI-VII**
- HQ**
1. REPORT ON JHINGURDA (BOTTOM SEAM)
  1. SILO LOADING ARRANGEMENT OF BHARATPUR SIDING
  1. COMPARATIVE TECHNO-ECONOMIC STUDY REPORT OF 85T, 100T, 120T & 150T REAR DUMPERS WORKING WITH 10 CUM. ROPE SHOVELS
  2. VENTILATION SURVEY AT THESGORA MINE, PENCH AREA, WCL
  3. REPORT ON RMR AND SUPPORT LAYOUT OF LOWER SEMANA SEAM, SAYAL'D' COLLIERY (MINE NO.3), CCL
  4. REPORT ON RMR AND ROCK LOAD OF 3 AND 4 INCLINE MINE (R-VII SEAM), JHANJRA AREA AND KUMARDHUBI COLLIERY (BP BOTTOM SEAM), MUGMA AREA OF ECL
  5. REPORT ON RMR AND ROCK LOAD OF MOONIDIH PROJECT (XV SEAM), WJ AREA AND SIMLABAHAL COLLIERY (IX/X SEAM BOTTOM SEC.), KUSTORE AREA OF BCCL
  6. NOTE ON OPENCAST POTENTIALITY OF MARA-II MAHAN BLOCK
  7. LAND USE/ COVER MAPPING OF BUFFER ZONE OF CHITRA OC COMBINED AND BHUBANESWARI OC
  8. REPORT ON RMR AND ROCK LOAD OF LAKHIMATA COLLIERY (METADIH SEAM) & MANDMAN COLLIERY (METADIH SEAM), MUGMA AREA OF ECL
  9. CONTROLLED BLASTING & VIBRATION STUDY AT CHHENDIPADA OCP, MCL
  10. LAND USE/ COVER MAPPING OF BUFFER ZONE OF SONEPUR BAZARI OC COMBINED MINING PROJECT OF RANIGANJ COALFIELD
  11. LAND USE/ COVER MAPPING OF BUFFER ZONE OF GOPAL PRASAD AND UTKAL-A OCP OF MCL
  12. GAS SURVEY OF KATRAS CHOITUDIH COLLIERY, BCCL
  13. PERFORMANCE ANALYSIS OF PSLW, SDL/LHD AND CM FACES FOR CIL MINES AND RELATED CRITICAL APPRAISAL (2004-05) FOR WCL
  14. PERFORMANCE ANALYSIS OF PSLW, SDL/LHD AND CM FACES FOR CIL MINES AND RELATED CRITICAL APPRAISAL (2004-05) FOR ECL
  15. PERFORMANCE ANALYSIS OF PSLW, SDL/LHD AND CM FACES FOR CIL MINES AND RELATED CRITICAL APPRAISAL (2004-05) FOR BCCL



16. PERFORMANCE ANALYSIS OF PSLW, SDL/LHD AND CM FACES FOR CIL MINES AND RELATED CRITICAL APPRAISAL (2004-05) FOR MCL
17. PERFORMANCE ANALYSIS OF PSLW, SDL/LHD AND CM FACES FOR CIL MINES AND RELATED CRITICAL APPRAISAL (2004-05) FOR CCL
18. PERFORMANCE ANALYSIS OF PSLW, SDL/LHD AND CM FACES FOR CIL MINES AND RELATED CRITICAL APPRAISAL (2004-05) FOR SECL
19. SUBSIDENCE PREDICTION REPORT FOR DHANKASA UG MINE, WCL
20. REPORT ON RMR AND ROCK LOAD OF SONACHORA (R-VIII) BOTTOM SEAM, NABAKAJORA COLLIERY, ECL
21. REPORT ON RMR AND SUPPORT PLAN OF SARUBERA EAST COLLIERY, IIA SEAM, CCL
22. CONTROLLED BLASTING AND VIBRATION STUDY AT BASTACOLLA OCP, BCCL
23. GAS SURVEY REPORT FOR NCPH R-6 MINE, SECL
24. REPORT ON RMR AND SUPPORT DESIGN OF MOHAN COLLIERY, MAORI INCLINE, I SEAM (TOP) WCL
25. REPORT ON RMR AND SUPPORT LAYOUT OF ORIENT MINE NO. 1&2 (HR SEAM IV) AND ORIENT MINE NO.4 (HR SEAM BOTTOM) OF MCL
26. LAND USE/ COVER MAPPING OF BUFFER ZONE OF SAMLESWARI OCP OF MCL
27. LAND USE/ COVER MAPPING OF BUFFER ZONE OF GOLUCKDIH (NC) OCP OF BCCL
28. LAND USE/ COVER MAPPING OF BUFFER ZONE OF ASHOKA OCP OF CCL
29. BENCHMARKING OF DIESEL & ELECTRICAL CONSUMPTION AND FIXATION OF DIESEL & ELECTRICAL CONSUMPTION NORMS IN NIGAH MINE OF NCL
30. DEVELOPMENT OF NORMS FOR SURVEYING OFF UG MINING EQUIPMENT
31. REPORT ON RMR AND ROCK LOAD OF 3 DISTRICTS IN TALCHER SEAM I (TOP) OF TALCHER COLLIERY, MCL
32. CONTROLLED BLASTING AND VIBRATION STUDY AT GOLUKDIH OCP, BCCL
33. LAND USE/ COVER MAPPING OF BUFFER ZONE OF KOTRE BASANTPUR OC, CCL
34. LAND USE/ COVER MAPPING OF BUFFER ZONE OF GEVRA EXPN. OC, SECL
35. LAND USE/ COVER MAPPING OF BUFFER ZONE OF BASUNDHARA OC, MCL
36. MINE CAPACITY ASSESSMENT (2006-07) AND MINE UTILISATION (2005-06) OF UG MINES OF CIL
37. VENTILATION SURVEY DESIGN FOR CHURI UG MINE, CCL
38. REPORT ON RMR AND ROCK LOAD OF FIVE MINES/DISTRICTS OF BCCL
39. SEWAGE TREATMENT PLANT, SINGRAULI
40. LAND USE/ COVER MAPPING OF BUFFER ZONE OF NEW GIDI 'C' OC, CCL
41. LAND USE/ COVER MAPPING OF BUFFER ZONE OF DIPKA EXPN. OC & KUMUNDA EXPN. OC, SECL
42. STANDARD PRICE LIST FOR MINING EQUIPMENT
43. GAS SURVEY OF HATHIDARI SEAM IN SECTOR-III OF URIMARI 3&4 UG MINE, CCL
44. REPORT ON RMR AND SUPPORT LAYOUT OF HIRAKHAND BUNDIA MINE AND HINGIR RAMPUR COLLIERY OF MCL
45. BENCHMARKING OF DIESEL & ELECTRICAL CONSUMPTION AND FIXATION OF DIESEL & ELECTRICAL CONSUMPTION NORMS IN JHINGURDA MINE OF NCL
46. BENCHMARKING OF ELECTRICAL CONSUMPTION IN SIRKA UG MINE OF CCL
47. SCHEME FOR MODIFICATION/UPGRADATION OF EXISTING FIRE FIGHTING SYSTEM AT JAYANT CHP, NCL
48. ASSESSMENT OF CAPACITY & CAPACITY UTILISATION FOR OPENCAST MINES OF CIL DURING 2005-06
49. LAND USE/ COVER MAPPING OF BUFFER ZONE OF DAHIBARI BASANTIMATA OC & SHATABDI OC OF BCCL
50. LAND USE/ COVER MAPPING OF BUFFER ZONE OF PURNADIH OC OF CCL
51. LAND USE/ COVER MAPPING OF BUFFER ZONE OF GAURANGDIH OC OF ECL
52. ANALYSIS OF PERFORMANCE OF HEMM OPERATING IN OC MINES FOR 2005-06
53. LAND USE/ COVER MAPPING OF BUFFER ZONE OF KUNUSTORIA OC OF ECL
54. LAND USE/ COVER MAPPING OF BUFFER ZONE OF CHAPTORIA OC OF BCCL
55. REPORT ON RMR AND ROCK LOAD OF CENTRAL KAJORA, MADHABPUR & BAHULA COLLIERIES OF ECL
56. STRUCTURAL ADEQUACY STUDY OF CHPS OF GEVRA AREA
57. STRUCTURAL ADEQUACY STUDY OF CHPS OF DIPKA AREA
58. STRUCTURAL ADEQUACY STUDY OF 6 NOS. CIRCUITS OF LINGRAJ CHP
59. GAS SURVEY OF ANGARPATHRA COLLIERY, BCCL
60. DETAILED VENTILATION PLANNING FOR XV SEAM OF MOONIDIH MINE, BCCL
61. LAND USE/ COVER MAPPING OF BUFFER ZONE OF TILABONI UG (ECL), AMLO OC (CCL) & MAHAN OC (SECL)
62. SPECIFIC CONSUMPTION OF EXPLOSIVES, DIESEL & ELECTRIC POWER IN OPENCAST MINES OF CIL DURING 2005-06

63. GAS SURVEY OF URIMARI, HATHIDARI SEAM, INCLINE NO.1&2, CCL
64. VENTILATION SURVEY & DESIGN FOR KAPILDHARA UG MINE, SECL
65. REPORT ON RMR AND ROCK LOAD OF URIMARI UG PROJECT & ARGADA UG MINE OF CCL
66. REPORT ON RMR AND SUPPORT LAYOUT OF THREE DISTRICTS IN TALCHER SEAM 1 (TOP) AND TALCHER SEAM 1 (BOTT) OF NANDIRA COLLIERY OF MCL
67. LAND USE/COVER MAPPING OF BUFFER ZONE OF NARAINKURI UG & MOHANPUR OC, ECL
68. LAND USE/COVER MAPPING OF BUFFER ZONE OF SHATABDI OC, BLOCK-II OC & DAMUDA OC OF BCCL
69. MINING PLAN FOR LEDO OCP, NEC
70. GAS SURVEY OF GOVINDPUR PROJECT, SAWANG 'C' SEAM, CCL
71. REPORT ON RMR AND ROCK LOAD OF FOUR MINES OF BCCL
72. SUBSIDENCE PREDICTION REPORT FOR CHURCHA RE-ORGANISATION PROJECT, SECL
73. SUBSIDENCE PREDICTION REPORT FOR BORDA UG MINE, WCL
74. BENCHMARKING OF DIESEL & ELECTRICAL CONSUMPTION AND FIXATION OF DIESEL CONSUMPTION NORMS IN PIPARWAR MINE OF CCL
75. LAND USE/COVER MAPPING OF BUFFER ZONE OF AMGAON & DHANPURI OCPs OF SECL
76. LAND USE/COVER MAPPING OF BUFFER ZONE OF KARMA, TAPIN, KHAMMAHAL, URIMARI, TARMU, ROHINI & KEDLA OCPs OF CCL
77. LAND USE/COVER MAPPING OF BUFFER ZONE OF HINGULA, TALABIRA & LAJKURA OCPs OF MCL

#### **ENVIRONMENT MANAGEMENT PLAN (EMP)**

- |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HQ</b>     | <ol style="list-style-type: none"> <li>1. BEHERABANDH UG, SECL (EX-POST FACTO)</li> <li>2. ASHOK EXPN. OC (10 MTY), CCL</li> <li>3. HURA 'C', ECL</li> <li>4. PANDAVPARA UG, SECL (EX-POST FACTO)</li> <li>5. JHILIMILLI UG, SECL (EX-POST FACTO)</li> <li>6. AMBA UG, SECL (EX-POST FACTO)</li> <li>7. SHIVANI UG, SECL (EX-POST FACTO)</li> <li>8. KALYANI UG, SECL (EX-POST FACTO)</li> <li>9. NAKRAKONDA 'B' OCP, ECL</li> </ol>                                                                                                                                               |
| <b>RI-II</b>  | <ol style="list-style-type: none"> <li>1. GOLUCKDIH (NC) OCP</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RI-III</b> | <ol style="list-style-type: none"> <li>1. MAGADH OCP</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RI-IV</b>  | <ol style="list-style-type: none"> <li>1. DURGAPUR DEEP OC (PRE-PUBLIC HEARING) (X PLAN)</li> <li>2. YEKONA-II OC (POST-PUBLIC HEARING) (X PLAN)</li> <li>3. KOLARPIMPRI EXTN. OC (PRE-PUBLIC HEARING) (X PLAN)</li> <li>4. GOKUL OC (PRE-PUBLIC HEARING)</li> <li>5. DURGAPUR-RAYATWARI UG (INCL. 6,7 &amp; 8 INCLINE) (POST-PUBLIC HEARING)</li> <li>6. RAWANWARA KHAS UG (POST-PUBLIC HEARING)</li> <li>7. GANPATI UG (POST-PUBLIC HEARING)</li> <li>8. BARKUI OC (POST-PUBLIC HEARING)</li> <li>9. SHIVPURI OC (INCL. 7 &amp; 8)</li> <li>10. NEW SETHIA OC PATCHES</li> </ol> |
| <b>RI-V</b>   | <ol style="list-style-type: none"> <li>1. BAGDEWA UG</li> <li>2. KUSMUNDA EXPN. OC</li> <li>3. BHADRA UG</li> <li>4. BALGI UG</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RI-VII</b> | <ol style="list-style-type: none"> <li>1. SAMALESWARI OCP (TWP-EMP)</li> <li>2. HIRAKHAND BUNDIA INCLINE (TWP-EMP)</li> <li>3. ORIENT MINE NO.3 (TWP-EMP)</li> <li>4. KANIAH-II OC (10 MTY)</li> <li>5. LAKHANPUR EXPN. OC (15 MTY)</li> <li>6. BHUBANESWARI OCP (20 MTY)</li> <li>7. ORIENT MINE NO.4 (TWP-EMP)</li> <li>8. HINGULA-II OCP</li> </ol>                                                                                                                                                                                                                             |

## ANNEXURE- II

### LIST OF OUTSIDE - CIL CONSULTING JOBS COMPLETED DURING 2006-07

1. PREPARATION OF COMPREHENSIVE EIA/EMP BASED ON FOUR SEASON BASELINE ENVIRONMENTAL DATA FOR WEST BOKARO FOR M/S TATA STEEL LTD.
2. CONSULTANCY ASSIGNMENT FOR BID PROCESS MANAGEMENT FOR DEVELOPMENT OF WASHERY AT AMLOHRI AREA, NCL FOR M/S NATIONAL THERMAL POWER CORPORATION
3. CONSULTANCY ASSIGNMENT FOR PREPARATION OF TEFR FOR DEVELOPMENT OF WASHERY AT TALCHER AREA, MCL FOR M/S NATIONAL THERMAL POWER CORPORATION
4. PETROGRAPHIC ANALYSIS OF 22 NOS. OF COAL SAMPLES (FIRST LOT) FOR TATA STEEL LTD.
5. CONSULTANCY ASSIGNMENT FOR BID PROCESS MANAGEMENT FOR DEVELOPMENT OF WASHERY AT TALCHER AREA, MCL FOR M/S NATIONAL THERMAL POWER CORPORATION LTD.
6. DEMARCATION OF PARBATPUR CENTRAL BLOCK FOR M/S ELECTROSTEEL CASTING LTD.
7. CAPACITY ASSESSMENT OF DIPKA WASHERY FOR M/S ARYAN COAL BENEFICIATION PVT. LTD.
8. PREPARATION OF FEASIBILITY REPORT FOR INSTALLATION OF COAL WASHERY AT MANUGURU ON BOO BASIS FOR M/S SINGARENI COLLIERIES COMPANY LTD.
9. CHECKING AND FINALISATION OF TENDER DOCUMENT FOR DEEPENING OF TWO NOS. SHAFTS AT BALAGHAT MINES FOR M/S MANGANESE ORE (INDIA) LTD.
10. HYDROGEOLOGICAL STUDIES AT LANJIGARH BAUXITE MINES IN KALAHANDI AND RAYAGADA DISTRICTS OF ORISSA FOR M/S ORISSA MINING CORPORATION LTD.
11. PREPARATION OF MINING PLAN FOR KOTRE-BASANTPUR AND PACHMO COAL BLOCKS FOR M/S TATA STEEL
12. ANALYSIS OF TWO COAL SAMPLES FOR M/S TAMIL NADU NEWS PRINT AND PAPER LIMITED
13. PETROGRAPHIC ANALYSIS OF COAL SAMPLES (2ND LOT) FOR M/S TATA STEEL LIMITED
14. ANALYSIS OF COAL SAMPLES TAKEN FROM OUTCROP (2 SAMPLES) FOR M/S ESSAR STEEL LIMITED
15. NON-DESTRUCTIVE TESTS (NDT) ON 7 NOS. WINDERS IN MINES OF MOIL FOR M/S MANGANESE ORE (INDIA) LIMITED
16. ANALYSIS OF TWO COAL SAMPLES FOR M/S TAMIL NADU NEWS PRINT AND PAPER LIMITED
17. GEOLOGICAL SUPERVISION FOR COAL EXPLORATION IN GARE IV/1 BLOCK FOR M/S JINDAL STEEL & POWER LIMITED
18. PREPARATION OF PRE-FEASIBILITY REPORT OF MAHAL COKING COAL BLOCK; CLIENT - M/S VISAKHAPATNAM STEEL PLANT, RASHTRIYA ISPAT NIGAM LIMITED.
19. RESISTIVITY SURVEY FOR ASSESSMENT OF GROUND WATER POTENTIAL AT RAMGARH & GOLA SUB-STATION, DVC COLONY; CLIENT - M/S DAMODAR VALLEY CORPORATION

AUDITOR'S REPORT	MANAGEMENTS' REPLY
<p>The Members, Central Mine Planning and Design Institute Limited. Ranchi, Jharkhand.</p> <p>(1) We have audited the attached Balance Sheet of Central Mine Planning and Design Institute Limited as at 31<sup>st</sup> March 2007 and the Profit and Loss Account and the Cash Flow Statement of the Company for the year ended on that date annexed thereto, which we have signed under reference to this report. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audit.</p> <p>(2) We conducted our audit in accordance with the auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement. An audit includes examining, on a test basis, evidence supporting the amount and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion</p> <p>(3) As required by the Companies (Auditor's Report) Order, 2003 as amended by The Companies (Auditors Report) (Amendment Order), 2004 issued by the Central Government of India in terms of sub section (4A) of Section 227 of The Companies Act, 1956, we enclose in the Annexure hereto a statement on the matters specified in paragraphs 4 and 5 of the said Order.</p> <p>(4) Further to our comments in the Annexure referred to in paragraph 3 above, we report that:-</p> <p><b>A. Comments on accounts :-</b></p> <p>(i) Balances of Sundry Debtors also include TDS deducted by various Parties. Due to non-reconciliation of Sundry Debtors and also in the absence of Balance confirmation from Sundry Debtors, the amount of TDS included in Sundry Debtors is not quantifiable and the extent of realisability of TDS is also not ascertainable.</p> <p>(ii) Buildings cost or WDV includes Rs.1050.58 lacs standing on land belonging to other CIL subsidiaries which has not been conveyed in favour of the Company.(Note no.1.1.3 of Schedule-17).</p> <p>(iii) We are unable to express our opinion to the extent of realisability of old debts due from CIL subsidiaries of Rs.69.11 lakhs outstanding since 31.3.1993 (Note No.3.1.2 in Sch.-17).</p>	<p>On receipt of TDS certificates from the Clients the amount of TDS is accounted for.</p> <p>No comments.</p> <p>ECL has agreed to pay Rs 26.21 lakh out of Rs 42.74 lakh. Regarding the balance amount due from other Subsidiaries, the follow up action is being taken.</p>

AUDITOR'S REPORT	MANAGEMENTS' REPLY
(iv) As indicated in Note No.3.1.3 in Schedule 17, balances in debtors are yet to be confirmed. Balances in loans and advances and sundry creditors are also not confirmed.	No Comments
(v) As indicated in Note no.9.2.1 in Schedule 17 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 by the management.	No Comments
(vi) Impact of the above comments (i) to (iv) on Profit/Loss or Assets/Liabilities is unascertained. There is no impact of comment (v) on any of them.	No Comments
(vii) Change in profit after tax as per AS-22- accounting for Taxes on Income- Deferred Tax Asset (Net) stands at Rs.1566.13 lacs (Note No.11.0 in Schedule 17 ) against Rs.1141.62 lacs last year . Necessary book adjustment has been made by crediting Profit and Loss Account with an additional amount of Rs.424.51 lacs.	No Comments
(viii) The management has done testing for impairment of assets in compliance of AS-28 and has reported no impairment losses as per Note No.1.1.4 in Schedule-17.	No Comments
<b>(B) Subject to our comments in paragraph (A) above:</b>	
1. We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.	
2. In our opinion. proper books of accounts as required by law have been kept by the Company so far as appears from our examination of those books.	
3. The Balance Sheet, Profit and Loss Account and Cash Flow Statement dealt with by this report are in agreement with the books of account;	
4. In our opinion, Balance Sheet, Profit and Loss Account and Cash Flow statement dealt with by this report comply with the requirements of the applicable Accounting Standards referred to in sub section (3C) of Section 211 of The Companies Act, 1956. However, segment wise assets and liabilities have not been disclosed as per AS-17 (Segment Reporting)	
5. As per the records that could be produced before us and on the basis of representation made by the Chairman – cum- Managing Director and the Company secretary we report that the provisions of clause (g) of sub section (1) of Section 274 of The Companies Act, 1956, regarding disqualifications of directors are not applicable to a private company.	

**AUDITOR'S REPORT**

6. In our opinion, and to the best of our information and according to the explanations given to us, the said accounts with schedules thereto and read with significant accounting policies (Schedule 16) and Notes on accounts (Schedule 17), give the information required by The Companies Act, 1956, in the manner so required and give a true and fair view:
- a. In the case of the Balance sheet, of the state of affairs of the Company as at 31<sup>st</sup> March, 2007.
  - b. In the case of the Profit and Loss Account, of the Profit of the Company for the year ended on that date.
  - c. In the case of the Cash Flow statement, of the cash flows for the year ended on that date.

**For U.NARAIN & Co**  
*Chartered Accountants*

**CA Awadhesh Kumar Pandey**  
**Partner**  
**(Membership No.76407)**

Place : Ranchi  
Dated: 2<sup>nd</sup> July '2007

**MANAGEMENTS' REPLY**

**ANNEXURE TO THE AUDITORS REPORT**

(REFERRED TO IN PARAGRAPH 3 OF OUR REPORT OF EVEN DATE ON THE ACCOUNTS OF CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED FOR THE YEAR ENDED 31<sup>ST</sup> MARCH, 2007)

1. In respect of Fixed Assets:

- (a) The Company has generally maintained proper records of fixed assets showing full particulars, including quantitative details and situation of fixed assets. However in case of Assets belonging to S&T Fund and Furniture & Fittings of CMPDI Head Quarter, Fixed Asset Register is maintained year wise instead of Asset wise.
- (b). A major portion of the high value assets have been physically verified by the management in accordance with a phased program of verification adopted by the Company. As explained to us, no material discrepancies were noticed on such verification. Physical Verification of S&T Assets has not been done during the year.
- (c) In our opinion, the Company has not disposed off a substantial part of the fixed assets during the year and the going concern status of the Company has not been affected.

2. In respect of its inventories:

- (a) The stock of high value stores and spare parts has been physically verified by the management during the year. Some low value items have also been verified on test basis. In our opinion, the frequency of verification is reasonable.
- (b) In our opinion, and according to the information and explanations given to us, the procedure of physical verification of stock followed by the management is reasonable and adequate in relation to the size of the Company and the nature of its business.
- (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.

3. In respect of loans, secured or unsecured, granted or taken by the Company to/from companies, firms or other parties covered in the register maintained under Section 301 of The Companies Act, 1956:

- (a) The Company has not granted any loans, secured or unsecured to companies, firms or other parties covered in the register maintained under section 301 of the Act.

**MANAGEMENTS' REPLY**

No Comments

No comments.

No Comments

No Comments

No Comments

No Comments

No Comments

No Comments

<b>ANNEXURE TO THE AUDITORS REPORT</b>	<b>MANAGEMENTS' REPLY</b>
(b) In view of our comment in 3(a) above, the clause 3(b) of aforesaid Order is not applicable to this Company.	No Comments
(c) In view of our comment in 3(a) above, the clause 3(c) of aforesaid Order is not applicable to this Company.	No Comments
(d) In view of our comment in 3(a) above, the clause 3(d) of aforesaid Order is not applicable to this Company.	No Comments
(e) The Company has not taken loans, secured or unsecured from companies, firms or other parties covered in the register maintained under section 301 of the Act. The Company has taken unsecured loan from its Holding Company, Coal India Limited.	No Comments
(f) In our opinion and according to the information and explanations given to us, the rate of interest and other terms and conditions of the loan taken from its Holding Company, Coal India Limited are, <i>prima facie</i> , not prejudicial to the interest of the Company.	No Comments
(g) In respect of the loan taken by the Company from Coal India Limited, interest payments are regular and the principal is repayable on demand.	No Comments
4. In our opinion, there is an adequate internal control system commensurate with the size of the Company and the nature of its business, for the purchase of inventory and fixed assets and for sale of goods and services. During the course of our audit, we have not observed any major weakness in internal control system.	No Comments
5. In respect of transactions covered under Section 301 of The Companies Act, 1956:-	
(a) In our opinion and according to the information and explanations given to us, there were no transactions made in pursuance of contracts or arrangements that needed to be entered in the register maintained under Section 301.	No Comments
(b) In our opinion and according to the information and explanations given to us, there were no transactions made in pursuance of contracts or arrangements entered in the register maintained under Section 301 and exceeding Rs. Five lakhs at prices which are not reasonable having regard to the prevailing market prices at the relevant time.	No Comments
6. The Company has not accepted any deposits from the public within the meaning of Section 58A and 58AA or any other relevant provision of the Act.	No Comments



**ANNEXURE TO THE AUDITORS REPORT**

**MANAGEMENTS' REPLY**

7. The Company has appointed outside firms of Chartered Accountants for internal audit of Headquarters and Regional institutes, except for Regional Institute VI and VII at Singrauli and Bhubaneswar respectively. In our opinion, the Company has an internal audit system commensurate with its size and nature of business. Locational and functional coverage, however, should be increased.

The functional coverage has already been increased and further increase is proposed during the next Financial Year.

8. We have been informed that the Central Government has not prescribed the maintenance of cost records under Section 209(1) (d) of The Companies Act, 1956 for the Company.

No Comments

9. In respect of statutory dues:

(1). 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 given 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 31<sup>st</sup> March, 2007 for a period of more than six months from the date they became payable.

No Comments

(2). The disputed statutory dues aggregating to Rs.61.02 Lacs that have not been deposited on accounts of matters pending before appropriate authorities are as under:

No Comments

S.N.	Name of Statute	Nature of dues	Amount Rs. lakh	Forum where dispute is pending
1.	Income-Tax Act	Income Tax	0.91	Income tax Appellate,Tribunal, Ranchi
2.	Service Tax Act	TDS on Perks Service Tax	19.23 40.24	Supreme court Service tax Tribunal, Kolkata
3.	Sales tax Act	Sales Tax	0.64	Sales Tax Authority
<b>Total</b>			<b>Rs. 61.02 Lakhs</b>	

10. The Company has no accumulated losses as at 31<sup>st</sup> March'2007and 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.

No Comments

11. 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.

No Comments

**ANNEXURE TO THE AUDITORS REPORT**

**MANAGEMENTS' REPLY**

- |                                                                                                                                                                                                        |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 12. According to the information and explanations given to us, the Company has not granted any loans or advances on the basis of security by way of pledge of shares, debentures and other securities. | No Comments |
| 13. The Company is not a Chit Fund, Nidhi or Mutual benefit fund/society. Therefore, clause (xiii) of CARO is not applicable to the Company.                                                           | No Comments |
| 14. In our opinion the Company is not dealing or trading in shares, securities. debentures and other investments,                                                                                      | No Comments |
| 15. 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.                                 | No Comments |
| 16. The Company has not raised any term loans during the year.                                                                                                                                         | No Comments |
| 17. In our opinion and according to the explanations given to us, the Company has not raised any short term funds and used it for long term purposes or vice versa.                                    | No Comments |
| 18. During the year, the Company has not made any preferential allotment of shares to parties and companies covered in the register maintained under Section 301 of The Companies Act, 1956.           | No Comments |
| 19. The Company has not issued any debentures during the year.                                                                                                                                         | No Comments |
| 20. The Company has not raised any money by public issue during the year.                                                                                                                              | No Comments |
| 21. As per information and explanation received from the management, no fraud on or by the Company was reported during the year.                                                                       | No Comments |

**For U.NARAIN & Co**  
**Chartered Accountants**

**CA Awadhesh Kumar Pandey**  
**Partner**  
**(Membership No.76407)**

Place : Ranchi  
Dated: 2<sup>nd</sup> July' 2007

**COMMENTS OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA  
UNDER SECTION 619(4) OF THE COMPANIES ACT, 1956 ON THE ACCOUNTS  
OF CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED FOR THE  
YEAR ENDED 31<sup>st</sup> MARCH, 2007.**

The preparation of Financial Statements of Central Mine Planning & Design Institute Limited for the year ended 31<sup>st</sup> March 2007 in accordance with the financial reporting framework prescribed under The Companies Act, 1956 is the responsibility of the management of the company. The statutory Auditors appointed by the Comptroller and Auditor General of India under Section 619 (2) of The Companies Act, 1956 are responsible for expressing opinion on these financial statements under Section 227 of the Companies Act, 1956 based on independent audit in accordance with the auditing and assurance standards prescribed by their professional body The Institute of Chartered Accountants of India. This is stated to have been done by them vide their audit report dated 02/07/2007.

I on behalf of the Comptroller and Auditor General of India have conducted a supplementary audit under section 619 (3)(b) of the Companies Act, 1956 of the financial statements of Central Mine Planning & Design Institute Limited for the year ended 31<sup>st</sup> March, 2007. 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 & 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 under section 619(4) of the Companies Act, 1956.

For and on behalf of the  
Comptroller & Auditor General of India

Kolkata  
Dated : 8<sup>th</sup> August, 2007

( B. Mazumdar )  
Principal Director of Commercial Audit &  
Ex-officio Member, Audit Board –II  
Kolkata

**CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED**  
**BALANCE SHEET AS AT 31ST MARCH, 2007**

<u>Schedule</u>	<u>As at 31st March 2007 (Rs in Lakh)</u>	<u>As at 31st March 2006 (Rs in Lakh)</u>
<b><u>SOURCES OF FUNDS</u></b>		
<b>Shareholders' Funds</b>		
Share Capital	A      1904.00	1904.00
Share Money pending allotment	B      0.00	0.00
Reserves & Surplus	C      4395.83	4182.58
<b>Loan Funds</b>		
Secured	D      0.00	0.00
Unsecured	E      178.37	177.01
Total Funds Employed	6478.20	6263.59
<b><u>APPLICATION OF FUNDS</u></b>		
<b>Fixed Assets</b>		
Gross Block	F      12887.41	12562.42
Less : Depreciation	7567.00	7276.19
Net Block	5320.41	5286.23
<b>Surveyed off Assets</b>		
Capital Work in Progress	G      34.66	29.07
Investment	H      627.61	732.84
Deferred Tax (net)	1566.13	1141.62
<b>Current Assets, Loans &amp; Advances</b>		
Inventories	I      466.56	362.04
Sundry Debtors	J      12453.59	11352.96
Cash & Bank Balances	K      2586.74	2888.02
Loans & Advances	L      6250.44	2533.02
Other Current Asset	M      436.54	430.87
Total Current Assets, Loans & Advances	22193.87	17566.91
Less: Current Liabilities & Provisions	N      23348.78	18517.52
Net Current Assets	-1154.91	-950.61
Miscellaneous Expenditure ( To the extent not written off or adjusted)	0.00	0.00
Intangible Assets	O      84.30	24.44
	6478.20	6263.59
<b>Accounting Policy</b>	16	=====
<b>Notes On Accounts</b>	17	=====
The schedules referred to above form an integral part of Accounts		

sd/-  
**(Udayan Chakrabarti)**  
Company Secretary

sd/-  
**( P. K. Saha )**  
H. O. D. ( Finance)

sd/-  
**( S. R. Ghosh )**  
Director

sd/-  
**( S. Chaudhuri )**  
Chairman - cum - Managing Director

In terms of our report of even date attached  
**For U. Narain & Co.**  
Chartered Accountants

Place : Ranchi  
Dated : 2nd July, 2007

sd/-  
**( Awadhesh Kumar Pandey )**  
Partner

**CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED**

**PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2007**

		Current year	Previous Year
		Year ending 31st March 2007 (Rs in Lakh)	Year ending 31st March 2006 (Rs in Lakh)
	<u>Schedule</u>		
<b><u>INCOME</u></b>			
Sale of services	1	16032.11	14578.68
Coal issued for other purpose	2	-	-
Accretion/Decretion(-) in stock	3	-	-
Workshop job for own purpose	4	-	-
Other income	5	284.04	404.37
Total Income		<b>16316.15</b>	<b>14983.05</b>
<b><u>EXPENDITURE</u></b>			
Consumption of Stores & Spares	6	845.26	737.97
Employees Remuneration & Benefits	7	11451.72	10197.14
Social Overhead	8	1062.27	1136.81
Power & Fuel	9	185.45	169.82
Repairs	10	306.93	233.27
Contractual Expenses	11	266.77	257.24
Miscellaneous Expenses	12	1362.44	1409.09
Total Expenditure		<b>15480.84</b>	<b>14141.34</b>
<b>GROSS OPERATING PROFIT(+)/LOSS(-)</b>		<b>835.31</b>	<b>841.71</b>
Interest	13	28.95	20.58
Depreciation		219.62	209.00
Provisions	14	126.14	107.71
<b>PROFIT(+)/LOSS(-) FOR THE YEAR</b>		<b>460.60</b>	<b>504.42</b>
Prior Period Adjustment	15	13.32	109.90
<b>NET PROFIT(+)/LOSS(-) BEFORE TAXATION</b>		<b>447.28</b>	<b>394.52</b>
Provision for Taxation		542.20	300.00
Provision for Fringe Benefit Tax		71.00	86.00
Provision for Deferred Tax		-424.51	-133.67
<b>PROFIT(+)/LOSS (-) AFTER TAX</b>		<b>258.59</b>	<b>142.19</b>
Transferred to General Reserve		0.00	0.00
<b>PROFIT(+)/LOSS(-) AFTER TRANS. TO GENERAL RESERVE</b>		<b>258.59</b>	<b>142.19</b>
Add : Profit upto the previous year		2307.89	2165.70
Less : Income Tax for earlier years		55.66	0.00
<b>BALANCE CARRIED TO BALANCE SHEET</b>		<b>2510.82</b>	<b>2307.89</b>
Accounting Policy	16		
Notes On Accounts	17		
The schedules referred to above form an integral part of Accounts			

sd\  
( Udayan Chakrabarti )  
Company Secretary

( P. K. Saha )  
H. O. D. ( Finance )

sd\  
( S. R. Ghosh )  
Director

sd\  
( S. Chaudhuri )  
Chairman-cum-Managing Director

In terms of our report of even date attached  
For U. Narain & Co.  
Chartered Accountants

Place : Ranchi  
Dated : 2nd July, 2007

sd\  
( Awadhesh Kumar Pandey )  
Partner

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007**

**SCHEDULE - A**

**SHARE CAPITAL**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
Authorized capital		
500000 Equity Shares of Rs 1000/- each .	<u>5000.00</u>	<u>5000.00</u>
	<u>5000.00</u>	<u>5000.00</u>
Issued Subscribed & 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 Rs 1,000/- each)	<b>0.08</b>	0.08
85392 Equity Shares of Rs 1,000/- each allotted as fully paid up for consideration received other than cash (Previous Year 85392 Equity Shares of Rs 1,000/- each)	<b>853.92</b>	853.92
105000 Equity Shares of Rs 1000/- each allotted as fully paid for Cash to Holding Company by converting loan in equity	<b>1050.00</b>	1050.00
	-----	-----
	<b>1904.00</b>	1904.00
	-----	-----

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007  
SHARE MONEY PENDING ALLOTMENT**

**SCHEDULE - B**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
	<b>NIL</b>	NIL

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007  
RESERVE & SURPLUS**

**SCHEDULE - C**

	<b>Current Year (Rs. in Lakh)</b>		<b>Previous Year (Rs. in Lakh)</b>	
<b>CAPITAL RESERVE :</b>				
<b>Grants for purchase of capital equipment</b>				
<b>Energy Coal S&amp;T Grants</b>				
As per last Account	<b>1235.07</b>		1300.17	
Additions during the year	<b><u>17.70</u></b>		<u>25.93</u>	
	<b>1252.77</b>		1326.10	
Less : Depreciation written-off during the year	<b><u>97.53</u></b>	<b>1155.24</b>	91.03	1235.07
<b>UNDP Grants</b>				
As per last Account	<b>6.87</b>		7.20	
Addition during the Year	<b>0.00</b>		0.00	
	<b><u>6.87</u></b>		7.20	
Less : Depreciation written off	<b><u>0.32</u></b>	<b>6.55</b>	0.33	6.87
<b>CCDA Grants</b>				
As per last Account	<b>8.26</b>		10.20	
Addition during the Year	<b>0.00</b>		0.00	
	<b><u>8.26</u></b>		10.20	
Less : Depreciation written off	<b><u>0.25</u></b>	<b>8.01</b>	1.94	8.26
<b>EMSC Grants</b>				
As per last Account	<b>0.47</b>		0.47	
Addition during the Year	<b>0.00</b>		0.00	
	<b><u>0.47</u></b>		0.47	
Less : Depreciation written off	<b><u>0.00</u></b>	<b>0.47</b>	0.00	0.47
<b>CIL R&amp;D GRANTS</b>				
As per last Account	<b>366.63</b>		375.69	
Addition during the Year	<b><u>26.25</u></b>		36.13	
	<b>392.88</b>		411.82	
Less : Depreciation written off	<b><u>46.46</u></b>	<b>346.42</b>	45.19	366.63
<b>P.R.E. Grants</b>				
As per last Account	<b>39.85</b>		0.00	
Addition during the Year	<b><u>161.11</u></b>		44.37	
	<b>200.96</b>		44.37	
Less : Depreciation written off	<b><u>50.18</u></b>	<b>150.78</b>	4.52	39.85
<b>GENERAL RESERVE :</b>				
Balance of Profit transferred from Profit & Loss Account		<b>1667.47</b>		1657.15
		<b><u>217.54</u></b>		217.54
Total		<b>4395.83</b>		4182.58

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007**  
**SECURED LOAN**

**SCHEDULE - D**

<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
<b>NIL</b>	<b>NIL</b>

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007**  
**UNSECURED LOAN**

**SCHEDULE - E**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Due to Coal India Ltd., the Holding Company	<b>160.57</b>	160.57
Interest accrued & due	<b>17.80</b>	16.44
<b>Total</b>	<b>178.37</b>	<b>177.01</b>



**SCHEDULE TO BALANCE SHEET AS AT 31ST.MARCH,2007**

SCHEDULE-F

**FIXED ASSETS**

(RS IN LAKH)

	PARTICULARS				DEPRECIATION				Net Block	
	COST	ADDITION	ADJUSTMENT	TOTAL COST	DEPRECIATION	DEPRECIATION	ADJUSTMENT	TOTAL	NET BLOCK	NET BLOCK
	As AT 1.4.2006	DURING THE YEAR	FOR DISPOSAL/ DISCARDED OF FIXED ASSETS	AS AT 31.03.2007	AS AT 1.4.2006	FOR THE YEAR	FOR DISPOSAL/ DISCARDED ETC.	DEPRECIATION UPTO 31.03.2007	AS AT 31.03.2007	AS AT 31.03.2006

**A. Fixed Assets :**

**(Excluding S&T, CCDA, EMSC,  
UNDP,PRE & CIL R&D Assets)**

Land :

Freehold	114.71	0.00	0.00	114.71	0.00	0.00	0.00	0.00	114.71	114.71
Leasehold	117.98	0.00	0.00	117.98	55.15	3.13	0.00	58.28	59.70	62.83
Building :										
Freehold	4143.74	89.04	-370.50	3862.28	1252.71	75.13	-243.92	1083.92	2778.36	2891.03
Leasehold	-	-	-	-	-	-	-	-	-	-
Plant & Machinery	3417.29	249.69	265.29	3932.27	2700.28	147.71	149.50	2997.49	934.78	717.01
Furniture, Fittings & Office Equipment	1114.33	19.31	-50.99	1082.65	929.87	31.72	-48.80	912.79	169.86	184.46
Vehicle	637.96	0.02	-9.28	628.70	536.87	25.87	-8.83	553.91	74.79	101.09

<b>TOTAL (A)</b>	<b>9546.01</b>	<b>358.06</b>	<b>-165.48</b>	<b>9738.59</b>	<b>5474.88</b>	<b>283.56</b>	<b>-152.05</b>	<b>5606.39</b>	<b>4132.20</b>	<b>4071.13</b>
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**B. S&T,CCDA,EMSC , UNDP,PRE &  
CIL R&D Assets :**

Building	4.79	26.28	0.00	31.07	1.54	0.81	0.00	2.35	28.72	3.25
Plant & Machinery	2992.56	99.02	0.00	3091.58	1786.90	156.94	0.00	1943.84	1147.74	1205.66
Furniture, Fittings & Office Equipment	15.13	7.11	0.00	22.24	9.15	1.55	0.00	10.70	11.54	5.98
Vehicle	3.93	0.00	0.00	3.93	3.72	0.00	0.00	3.72	0.21	0.21

<b>TOTAL (B)</b>	<b>3016.41</b>	<b>132.41</b>	<b>0.00</b>	<b>3148.82</b>	<b>1801.31</b>	<b>159.30</b>	<b>0.00</b>	<b>1960.61</b>	<b>1188.21</b>	<b>1215.10</b>
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<b>TOTAL (A+B)</b>	<b>12562.42</b>	<b>490.47</b>	<b>-165.48</b>	<b>12887.41</b>	<b>7276.19</b>	<b>442.86</b>	<b>-152.05</b>	<b>7567.00</b>	<b>5320.41</b>	<b>5286.23</b>
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**C. Assets Surveyed Off**

**34.66      29.07**

Previous Year :

(i) Fixed Assets-(Excl. S&T,CCDA,EMSC, UNDP,PRE & CIL R&D Assets)	9368.35	268.16	-90.50	9546.01	5163.88	396.91	-85.91	5474.88	4071.13	4204.47
(ii) S&T, CCDA, EMSC , UNDP ,PRE & CIL R&D Assets	2925.81	90.60	0.00	3016.41	1658.30	143.01	0.00	1801.31	1215.10	1267.51
<b>TOTAL</b>	<b>12294.16</b>	<b>358.76</b>	<b>-90.50</b>	<b>12562.42</b>	<b>6822.18</b>	<b>539.92</b>	<b>-85.91</b>	<b>7276.19</b>	<b>5286.23</b>	<b>5471.98</b>

(iii) Assets Surveyed Off

29.07      24.87

**CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED**

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007  
FIXED ASSETS**

SCHEDULE - F  
Annexure - F1

**NOTE 1 :**

(RS IN LAKH)

**ALLOCATION OF DEPRECIATION :**

	<b>CURRENT YEAR</b>	<b>PREVIOUS YEAR</b>	<b>* Depreciation on Assets purchased against Grants :</b>	<b>CURRENT YEAR</b>	<b>PREVIOUS YEAR</b>
1. Profit & Loss Account			Energy Coal S&T	<b>97.53</b>	91.03
(a) 100% Depn. on Assets costing below Rs. 5000/-	<b>4.68</b>	3.70	UNDP	<b>0.32</b>	0.33
(b) Others	<b>214.94</b>	205.30	CCDA	<b>0.25</b>	1.94
2. Social Overhead	<b>61.15</b>	60.49	EMSC	<b>0.00</b>	0.00
3. Prior Period Adjustment	<b>3.67</b>	128.50	CIL R&D	<b>46.46</b>	45.19
4. Capital Assets against Grants *	<b>159.30</b>	143.01	PRE(Fixed Assets)	<b>14.74</b>	4.52
			<b>SUB TOTAL</b>	<b>159.30</b>	143.01
			PRE(Intangible assets)	<b>35.44</b>	0.00
			<b>GRAND TOTAL</b>	<b>194.74</b>	143.01
<b>TOTAL</b>	<b>443.74</b>	541.00			

**NOTE 2**

SOCIAL OVERHEAD ASSETS INCLUDED IN THE SCHEDULE EXCLUDING  
FURNITURE, FITTINGS & OFFICE EQUIPMENTS ARE AS FOLLOWS :

	<b>COST As at 31st- March,07</b>	<b>COST As at 31st- March,06</b>
(i) Building	2755.64	2698.10
(ii) Vehicles	49.69	49.69
<b>TOTAL</b>	<b>2805.33</b>	2747.79

**NOTE 3 :**

**RECONCILIATION OF DISPOSAL OF  
FIXED ASSETS :**

	<b>CURRENT YEAR</b>	<b>PREVIOUS YEAR</b>
1. Provision for Depreciation	<b>45.40</b>	0.00
2. Bank	<b>1.50</b>	0.00
3. Loss (+) / Profit (-) of Fixed assets	<b>0.89</b>	0.00
Disposal of Fixed Assets (Gross Cost)	<b>47.79</b>	0.00

**NOTE 4 :**

**RECONCILIATION OF DISCARDED  
FIXED ASSETS**

	<b>AS AT 31st - MARCH 2007</b>	<b>AS AT 31st - MARCH 2006</b>
Gross Cost	<b>694.68</b>	582.43
Provn. for Depn.	<b>660.02</b>	553.36
	<b>34.66</b>	29.07

**NOTE 5 :**

**RECONCILIATION OF  
DEPRECIATION FUND :**

	<b>CURRENT YEAR</b>	<b>PREVIOUS YEAR</b>
Opening Balance :	<b>7276.19</b>	6822.18
Add : Depreciation provided during the year	<b>442.86</b>	539.92
	<b>7719.05</b>	7362.10
Less : Net Outflow of Fund : for Surveyed/Written off and disposed off Assets	<b>152.05</b>	79.92
Less : Outflow Fund - Inter Company	<b>0.00</b>	5.99
Others	<b>0.00</b>	0.00
Closing balance	<b>7567.00</b>	7276.19

SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007								SCHEDULE - G	
CAPITAL WORK IN PROGRESS									
(RS IN LAKH)									
PARTICULARS	COST				PROVISION			NET ASSETS	
	COST AS ON 01.04.06	ADDITION DURING THE YEAR	ADJUSTMENT FOR CAPITALISATION/DISPOSAL	COST AS ON 31st MARCH 2007	AS ON 01.04.06	DURING THE YEAR	WITHDRAWAL /ADJUSTMENT/ DURING THE YEAR	TOTAL AS ON 31st MARCH 2007	NET ASSETS AS ON 31/03/07

(A) Capital Work -in- Progress  
(Excluding S&T/R&D Assets)

Buildings	84.50	2.65	-19.19	67.96	7.10	1.08		8.18	59.78	77.40
Plant And Machinery And Capital Stores in Stores	214.26	56.34	-113.65	156.95	0.64	-0.20		0.44	156.51	213.62
<b>TOTAL (A)</b>	<b>298.76</b>	<b>58.99</b>	<b>-132.84</b>	<b>224.91</b>	<b>7.74</b>	<b>0.88</b>	<b>0.00</b>	<b>8.62</b>	<b>216.29</b>	<b>291.02</b>

(B) Capital Work-in-Progress-  
( For S&T)

Plant and Machinery and Capital Stores in Stores	281.40	0.00	-14.67	266.73	0.00			0.00	266.73	281.40
( For R&D)										
Coal Tailing Treatment Plant	160.42	0.00	-15.83	144.59	0.00			0.00	144.59	160.42
<b>TOTAL (B)</b>	<b>441.82</b>	<b>0.00</b>	<b>-30.50</b>	<b>411.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>411.32</b>	<b>441.82</b>

<b>TOTAL (A+B)</b>	<b>740.58</b>	<b>58.99</b>	<b>-163.34</b>	<b>636.23</b>	<b>7.74</b>	<b>0.88</b>	<b>0.00</b>	<b>8.62</b>	<b>627.61</b>	<b>732.84</b>
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Previous year:

(A) Capital Work -in- Progress (Excluding S&T/R&D Asset)	79.61	231.99	-12.84	298.76	6.72	1.08	-0.06	7.74	291.02	72.89
<b>TOTAL (A)</b>	<b>79.61</b>	<b>231.99</b>	<b>-12.84</b>	<b>298.76</b>	<b>6.72</b>	<b>1.08</b>	<b>-0.06</b>	<b>7.74</b>	<b>291.02</b>	<b>72.89</b>
(B) Capital Work-in-Progress- ( For S&T/R&D Assets)	425.99	15.83	0.00	441.82	0.00	0.00	0.00	0.00	441.82	425.99
<b>TOTAL (B)</b>	<b>425.99</b>	<b>15.83</b>	<b>0.00</b>	<b>441.82</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>441.82</b>	<b>425.99</b>
<b>TOTAL (A+B)</b>	<b>505.60</b>	<b>247.82</b>	<b>-12.84</b>	<b>740.58</b>	<b>6.72</b>	<b>1.08</b>	<b>-0.06</b>	<b>7.74</b>	<b>732.84</b>	<b>498.88</b>

Note : Social Overhead assets included in the Schedule are as follows :

	AS AT 31st MARCH 2007	AS AT 31st MARCH 2006
i) Buildings	67.96	84.50
ii) Roads & Culverts	-	-
iii) Others (Water Supply)	-	-
<b>TOTAL</b>	<b>67.96</b>	<b>84.50</b>

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007  
INVESTMENT ( AT COST)**

**SCHEDULE - H**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Trade investment at Cost (Unquoted)	<b>Nil</b>	Nil

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007**  
**INVENTORIES**

**SCHEDULE - I**

	<b>Current Year</b> <b>(Rs. in Lakh)</b>	<b>Previous Year</b> <b>(Rs. in Lakh)</b>
(As valued and certified by the Management)		
Stock of Stores & Spare Parts at weighted average cost	<b>481.25</b>	367.02
Less : Provision for slow moving/non-moving/ obsolescence	<u><b>89.67</b></u>	<u>89.49</u>
	<b>391.58</b>	277.53
Other stores at purchase price	<b>57.09</b>	50.87
	<hr/>	<hr/>
Add : In Transit/Under Inspection	<b>17.89</b>	33.64
	<hr/>	<hr/>
Total	<b>466.56</b>	362.04

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007**  
**SUNDRY DEBTORS**

**SCHEDULE - J**

	<b>Current Year</b> <b>(Rs. in Lakh)</b>	<b>Previous Year</b> <b>(Rs. in Lakh)</b>
Debts outstanding for a period		
Exceeding Six months	<b>5821.19</b>	6115.31
Others	<b>6891.00</b>	5394.38
	<hr/>	<hr/>
Total	<b>12712.19</b>	11509.69
Less: Provisions for doubtful debts	<b>258.60</b>	156.73
	<hr/>	<hr/>
Balance	<b>12453.59</b>	11352.96
Classification :	<hr/>	<hr/>
Unsecured & Considered good	<b>12453.59</b>	11352.96
Unsecured & Considered doubtful	<b>258.60</b>	156.73
	<hr/>	<hr/>
	<b>12712.19</b>	11509.69
	<hr/>	<hr/>
Due from the Companies under the same management		
Eastern Coalfields Limited	<b>1632.53</b>	1678.66
Bharat Coking coal Limited	<b>1282.84</b>	1152.78
Central Coalfields Limited	<b>2575.62</b>	2307.53
Western Coalfields Limited	<b>1222.22</b>	549.73
South Eastern Coalfields Limited	<b>737.23</b>	667.52
Northern Coalfields Limited	<b>830.38</b>	861.57
Mahanadi Coalfields Ltd.	<b>1960.47</b>	1946.22
North East Coalfields	<b>17.88</b>	50.71
Kakri CHP (NCL)	<b>14.08</b>	14.08
Dankuni Coal Complex (CIL)	<b>1.87</b>	1.87
Bharatpur CHP (MCL)	<b>0.73</b>	0.73
	<hr/>	<hr/>
Total	<b>10275.85</b>	9231.40

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007****SCHEDULE - K****CASH & BANK BALANCE**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
Cash, Cheques, Drafts & Stamps in-hand	<b>36.27</b>	51.54
Remittance in-transit	<b>937.00</b>	422.00
Balance with Scheduled Bank :		
In Current Account	<b>1551.23</b>	2353.05
In Deposit Accounts *	<b>62.24</b>	61.43
Total	<b>2586.74</b>	2888.02

\* Rs 16.70 lakh encumbered for issue of Bank Guarantee  
( Previous year Rs. 28.32 lakh )

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007**

**SCHEDULE - L**

**LOANS & ADVANCES**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
Advance recoverable in Cash or for value to be received :		
Advances to Suppliers		
for Capital Works	1.01	1.01
for Other Stores	50.90	66.45
Advances to Contractors		
for Capital Works	1.85	5.00
for Other Stores	5.81	10.20
Advances to Employees:		
for House Building	141.01	177.46
for Motor Car & Other Conveyances	1.84	5.64
for Others	104.67	110.37
Deposits for P&T, Electricity, Gas etc.	45.94	47.05
Advance payment of statutory Dues		
Income-tax	1122.24	1594.46
Sales Tax	5.22	5.22
Wealth tax	0.30	0.27
Pre paid Expenditure	13.67	12.64
Income Tax deducted at source	861.13	429.08
Current Account Balances with Holding co. & its subsidiaries		
Coal India Ltd. , Holding Co.	3844.78	0.00
Advances to Other Government Agencies	36.76	73.59
Service Tax paid on bills	24.66	6.00
	-----	-----
Total	<b>6261.79</b>	2544.44
Less : Provisions	<b>11.35</b>	11.42
	-----	-----
Balance	<b>6250.44</b>	2533.02
	-----	-----
Notes :		
i) Secured & Considered good	<b>142.85</b>	183.10
Unsecured & Considered good	<b>6107.59</b>	2349.92
Unsecured & Considered doubtful	<b>11.35</b>	11.42
	-----	-----
	<b>6261.79</b>	2544.44
	-----	-----
ii) Amount due from an Officer of the Company Rs. NIL ( Prev. year 0.22 lakh ). Maximum balance due at any time during the year Rs 0.86 lakh (Prev. year 0.92 Lakh)		
iii) Amount due from directors of the Company Rs. 0.08 lakh ( prev. year - Rs 0.10 lakh ). Maximum amount due at any time during the year Rs 0.23 Lakh (Prev. Year Rs 0.63 Lakh)		

Company Secretary has been considered to be an officer of the company for the above disclosure.

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007****SCHEDULE - M****OTHER CURRENT ASSETS**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Claims Receivables :		
i) Railway	-	-
ii) Insurance	-	-
iii) Others	<b>26.73</b>	22.29
Other Receivables		
i) Employees	<b>401.99</b>	401.57
ii) Others	<b>7.82</b>	7.01
Total	<b>436.54</b>	430.87



**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007****SCHEDULE - N****CURRENT LIABILITIES & PROVISIONS**

	Current Year (Rs. in Lakh)	Previous Year (Rs. in Lakh)
Creditors for goods :		
Capital	90.08	83.14
Revenue	165.43	106.55
Sundry Creditors for contractual expenses		
Capital	89.34	97.74
Revenue	478.55	478.99
Liability against Coal Block	7830.24	622.39
Sundry Creditors for other expenses		
Power & Fuels	90.55	63.38
Others	664.78	632.49
Employee Remuneration & Benefits :-		
Salaries, Wages & Allowances (gross)	1176.68	3135.66
Gratuity	4051.34	3424.03
Attendance Bonus	35.22	38.57
Exgratia	174.83	117.85
Unpaid Salaries/Wages	72.67	62.63
Leave encashment	1903.71	1466.47
Statutory Dues :		
Income Tax deducted at source :		
from Employees	47.47	10.26
from Contractors	1.11	0.81
Service Tax	1146.13	947.35
Advances & Deposits :		
from Customers	482.51	436.65
from Ministry of Coal ( Annex. N - 4)	927.95	472.76
from Contractors & others *	282.39	279.38
Government Grants pending disbursement		
Energy Coal (S&T) Grants ( Annex N -1 )	19.51	194.30
Other grants (Annex N - 2)	2027.66	1898.71
CIL R&D Fund (Annex N-3)	36.25	22.55
Current Account Balances with Holding co. & its subsidiaries		
Coal India Ltd. , Holding Co.	0.00	2472.71
Subsidiaries Suspense Account	104.08	103.22
Other Liabilities :		
Retirement Pension Fund dues	62.98	80.11
Provident Fund dues	71.86	36.71
Cooperatives/Benevolent Fund/Recreation Club	27.78	22.00
Provisions :		
Provision for Taxation - Income Tax	1105.36	1122.87
Provision for Fringe Benefit Tax	157.00	86.00
Provision for Taxation - Wealth Tax	0.40	0.40
Provision for loss of Asset	24.92	0.84
	-----	-----
Total	<b>23348.78</b>	18517.52
	-----	-----

\* Clarification:

Deposit includes Rs Nil Lakh ( Previous year Rs Nil Lakh ) towards Earnest Money & Security Deposit of Energy Coal S&T Grant.

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007****ENERGY COAL S&T GRANTS****SCHEDULE - N****Annex ure N-1**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Opening Balance as on 01/04/2006	<b>194.30</b>	168.26
Amount received from Ministry of Energy-Coal (S&T) Grant	<b>600.00</b>	1484.00
Refund from Implementing Agencies	<b>34.66</b>	16.13
	<b>828.96</b>	1668.39
Disbursement to various Implementing Agencies :		
Central Mining Research Institute	<b>45.00</b>	227.10
Central Fuel Research Institute	<b>171.50</b>	43.19
Indian School of Mines	<b>3.00</b>	32.00
Annamalai University Madras	<b>2.50</b>	0.21
Andhra University	<b>20.00</b>	83.60
Coal Bed Methane	<b>100.00</b>	450.00
National Institute of Rock Mechanics	<b>105.00</b>	50.00
Tamil Nadu Agriculture University	<b>9.00</b>	16.90
T.M., Bhagalpur University	<b>0.70</b>	0.00
Nayveli Lignite Corporation	<b>120.00</b>	151.33
Regional Research Laboratory, Jorhat	<b>5.00</b>	0.00
Regional Research Laboratory , Bhopal	<b>0.00</b>	20.00
SAIL R&D Organisation	<b>5.00</b>	0.00
IIT, Delhi	<b>0.70</b>	0.00
IIT, Madras	<b>0.00</b>	2.00
IIT, Kharagpur	<b>4.00</b>	18.00
IICT	<b>5.72</b>	20.00
CET Osmania University	<b>0.00</b>	15.00
SCCL	<b>7.00</b>	50.00
RDCIS	<b>0.00</b>	11.00
RRL, Jorhat	<b>0.00</b>	5.00
CMERI	<b>30.00</b>	49.00
Jadavpur University	<b>8.00</b>	50.00
CMPDI Limited	<b>167.33</b>	179.76
Total Disbursement	<b>809.45</b>	1474.09
Closing Balance	<b>19.51</b>	194.30

**SCHEDULE TO BALANCE SHEET AS AT 31ST MARCH, 2007**

Schedule - N

**OTHER GRANTS**

Annexure - N.2

Rs. in Lakhs

Name of Government Grants		Opening Balance	Cheques in hand disbursed subsequently	Adjusted Opening Balance	Addition during the year	Total	Disbursed during the year	Balance as on 31/03/07
		A	B	C (A-B)	D	E (C+D)	F	G (E-F)
Mining Electronic Grants	<b>Curr. Year</b>	<b>0.52</b>	<b>0.00</b>	<b>0.52</b>	<b>0.00</b>	<b>0.52</b>	<b>0.00</b>	<b>0.52</b>
	Prev. Year	0.52	0.00	0.52	0.00	0.52	0.00	0.52
Promotional Regional Exploration Grants (Annex. N.2.1)	<b>Curr. Year</b>	<b>1817.20</b>	<b>0.00</b>	<b>1817.20</b>	<b>4000.00</b>	<b>5817.20</b>	<b>3877.63</b>	<b>1939.57</b>
	Prev. Year	1919.05	91.70	1827.35	4846.00	6673.35	4856.15	1817.20
Environmental Measures Subside Control and Rehabilitation Control Fire & Subsidence ( RCFS ) ( Annex. N.2.2)	<b>Curr. Year</b>	<b>2.42</b>	<b>0.00</b>	<b>2.42</b>	<b>800.00</b>	<b>802.42</b>	<b>793.65</b>	<b>8.77</b>
	Prev. Year	10.41	0.00	10.41	2515.00	2525.41	2522.99	2.42
Testing Laboratory Grants	<b>Curr. Year</b>	<b>28.00</b>	<b>0.00</b>	<b>28.00</b>	<b>0.00</b>	<b>28.00</b>	<b>0.00</b>	<b>28.00</b>
	Prev. Year	28.00	0.00	28.00	0.00	28.00	0.00	28.00
United Nations Development - Programme Grants	<b>Curr. Year</b>	<b>26.82</b>	<b>0.00</b>	<b>26.82</b>	<b>0.00</b>	<b>26.82</b>	<b>0.00</b>	<b>26.82</b>
	Prev. Year	26.82	0.00	26.82	0.00	26.82	0.00	26.82
Coal Conservation Development - Advisory Grants	<b>Curr. Year</b>	<b>23.75</b>	<b>0.00</b>	<b>23.75</b>	<b>244.38</b>	<b>268.13</b>	<b>244.15</b>	<b>23.98</b>
	Prev. Year	23.75	0.00	23.75	0.00	23.75	0.00	23.75
<b>Total</b>		<b>1898.71</b>	<b>0.00</b>	<b>1898.71</b>	<b>5044.38</b>	<b>6943.09</b>	<b>4915.43</b>	<b>2027.66</b>
		2008.55	91.70	1916.85	7361.00	9277.85	7379.14	1898.71

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007****Promotional Regional Exploration Grants****SCHEDULE - N****Annex ure N-2.1**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
Opening Balance	<b>1817.20</b>	1919.05
Less : Cheques in hand as on 31st March	<b>0.00</b>	91.70
	-----	-----
Adjusted Opening Balance	<b>1817.20</b>	1827.35
Amount received from Ministry of Coal	<b>4000.00</b>	4846.00
	<b>5817.20</b>	6673.35
	-----	-----
Disbursement to various Implementing Agencies :		
Mineral Exploration Corporation Limited	<b>2650.79</b>	3667.99
Geological Survey of India	<b>458.28</b>	528.62
Central Mine Planning & Design Institute Limited	<b>670.56</b>	597.45
Neyveli Lignite Corporation Limited	<b>0.00</b>	25.39
SCCL	<b>56.75</b>	36.70
CMRI	<b>41.25</b>	0.00
	-----	-----
Total disbursement	<b>3877.63</b>	4856.15
Closing Balance	<b>1939.57</b>	1817.20
	-----	-----

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007****Environmental Measures Subsidence Control &  
Rehabilitation Control of Fire & Subsidence ( RCFS) Grants****SCHEDULE - N****Annex ure N-2.2**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
Opening Balance	<b>2.42</b>	10.41
Receipts from Ministry	<b>800.00</b>	2515.00
	<b>802.42</b>	2525.41
	-----	-----
Disbursement to various Implementing Agencies :		
Bharat Coking Coal Limited	<b>9.00</b>	1033.00
Eastern Coalfields Limited	<b>745.00</b>	1460.00
Central Mine Planning & Design Institute Limited	<b>39.65</b>	29.99
	-----	-----
Total disbursement	<b>793.65</b>	2522.99
Closing Balance	<b>8.77</b>	2.42
	-----	-----

**SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007****C I L R & D FUND**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Opening Balance	22.55	74.46
Amount received from Coal India	879.82	764.00
<b>Total Receipt</b>	<b>902.37</b>	<b>838.46</b>
Disbursement to various Implementing Agencies :		
Central Coalfields Ltd.	130.00	81.22
IIT, Kharagpur	146.34	138.55
CMPDI Limited	386.09	480.34
Western Coalfields Ltd.	0.00	115.80
SAIL R&D Organisation	40.00	0.00
Presidency College, Kolkata	94.80	0.00
National Remote Sensing Agency	68.89	0.00
	<b>866.12</b>	<b>815.91</b>
<b>Closing Balance</b>	<b>36.25</b>	<b>22.55</b>

**SCHEDULE - N****Annex ure N-3****SCHEDULE TO BALANCE SHEET AS AT 31st MARCH 2007****Grants for Detailed Drilling Work in Non-CIL Blocks**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Opening Balance	472.76	0.00
Less : Cheques in hand	0.69	0.00
Adjusted Openig Balance	472.07	0.00
Amount received from Ministry of Coal	2098.00	2276.00
Cheques in hand on Closing Date	0.00	0.69
<b>Total Receipt</b>	<b>2570.07</b>	<b>2276.69</b>
Disbursement to various Implementing Agencies :		
CMPDI Limited	1630.20	1338.29
Mineral Exploration Corporation Limited	11.92	465.64
	<b>1642.12</b>	<b>1803.93</b>
<b>Closing Balance</b>	<b>927.95</b>	<b>472.76</b>

**SCHEDULE - N****Annex ure N- 4**

## CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED

SCHEDULE TO BALANCE SHEET AS AT 31ST.MARCH,2007									SCHEDULE-O	
INTANGIBLE ASSETS(SOFTWARE)										
Amortisation period - 3 years										RS.IN LAKH
	COST				AMORTISATION				Net Block	
	OPG.BAL As AT 1.4.2006	ADDITION DURING THE YEAR	ADJUSTMENT FOR DISPOSAL/ DISCARDED OF INTANGIBLE ASSET	TOTAL COST AS AT 31.03.2007	OPG.BAL AS AT 1.4.2006	ADDITION FOR THE YEAR	ADJUSTMENT FOR DISPOSAL/ DISCARDED ETC.	TOTAL AMORTISATION UPTO 31.03.2007	AS AT 31.03.2007	AS AT 31.03.2006
<b>SOFTWARE: CMPDIL</b>										
<b><u>CMPDIL(software)TOTAL (A)</u></b>	97.24	31.96	0.00	129.20	72.79	25.16	0.00	97.95	31.25	24.44
<b><u>SOFTWARE-ICRIS (B)</u></b>										
<b><u>PRE (software)TOTAL (B)</u></b>	0.00	88.49	0.00	88.49	0.00	35.44	0.00	35.44	53.05	0.00
<b>TOTAL SOFTWARE (A+B)</b>	97.24	120.45	0.00	217.69	72.79	60.60	0.00	133.39	84.30	24.44

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007****SCHEDULE -1****SALE OF SERVICE**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Exploration	<b>7787.14</b>	7064.51
Planning & Design	<b>7482.24</b>	6723.87
Natural Resource Management	<b>762.73</b>	790.30
Total Sales	<b>16032.11</b>	14578.68

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007****SCHEDULE -2****COAL ISSUED FOR OTHER PURPOSE**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
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APPLICABLE TO CIL's OTHER SUBSIDIARIES

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007**

**SCHEDULE -3**

**ACCRETION/DECRETION IN STOCK**

**Current Year  
(Rs. in Lakh)**

Previous Year  
(Rs. in Lakh)

APPLICABLE TO CIL's OTHER SUBSIDIARIES

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007**

**SCHEDULE -4**

**WORKSHOP JOB FOR OWN PURPOSE**

**Current Year  
(Rs. in Lakh)**

Previous Year  
(Rs. in Lakh)

APPLICABLE TO CIL's OTHER SUBSIDIARIES



**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007****SCHEDULE -5****OTHER INCOME**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Interest received		
on Loan to Employees	<b>39.06</b>	21.82
on Bank Deposit	<b>4.09</b>	3.50
others	<b>13.92</b>	0.00
Rent received from outsiders	<b>14.17</b>	15.05
Tender fees	<b>5.38</b>	5.49
Liquidated Damage	<b>22.09</b>	8.11
Rent Vehicles	<b>0.26</b>	0.40
Excess Provision Written Back	<b>165.71</b>	320.00
Others	<b>19.36</b>	30.00
Total	<b>284.04</b>	404.37

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007****SCHEDULE -6****CONSUMPTION OF STORES**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
POL	<b>337.58</b>	288.06
Stores & spares	<b>472.96</b>	416.21
Other stores & consumable	<b>34.72</b>	33.70
Total	<b>845.26</b>	737.97

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007****SCHEDULE - 7****EMPLOYEES REMUNERATION AND BENEFITS**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
Salaries & Wages	<b>7511.97</b>	7166.11
Overtime	<b>122.88</b>	94.30
Incentives	<b>318.67</b>	287.37
Leave encashments	<b>729.16</b>	468.83
Other allowances	<b>339.83</b>	304.76
Contribution to PF( Annex. 1)	<b>1020.47</b>	916.62
Attendance Bonus	<b>261.31</b>	242.13
Exgratia		
a) Non - Executives	<b>175.96</b>	86.95
b) Executives	<b>58.23</b>	29.18
LTC/LLTC/RRF	<b>253.66</b>	180.08
Pension		
a) Ex NCDC Employees	<b>0.00</b>	0.00
b) Others	<b>5.97</b>	9.78
Gratuity	<b>882.24</b>	606.89
Workmen Compensation	<b>2.04</b>	2.04
D.L.I.	<b>21.18</b>	20.38
Life Cover Scheme	<b>8.40</b>	5.10
V R S	<b>32.78</b>	29.30
	-----	-----
Total	<b>11744.75</b>	10449.82
Less : Transferred to Social Overhead (Sch - 8 )	<b>293.03</b>	252.68
Balance	<b>11451.72</b>	10197.14
	-----	-----

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007****SCHEDULE - 7****CONTRIBUTION TO PROVIDENT FUNDS****ANNEX URE - 1**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
Coal Mines Provident Fund	<b>944.66</b>	848.51
Coal Mines Family Pension Fund	<b>75.81</b>	68.11
Other Provident Funds	<b>0.00</b>	0.00
	-----	-----
Total	<b>1020.47</b>	916.62
	-----	-----

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007**

**SCHEDULE - 8**

**SOCIAL OVERHEAD**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
Salary Wages Allowances (From Schedule - 7)	<b>293.03</b>	252.68
Free issue of Coal to Employees	<b>18.92</b>	17.70
Medical Facilities		
Medical Reimbursement	<b>225.12</b>	187.10
Medicines & Hospital Expenses	<b>79.63</b>	95.32
Grant to :		
a) Schools	<b>1.00</b>	1.00
b) Sports & Recreations	<b>8.58</b>	9.95
Canteen upkeep	<b>7.79</b>	8.23
House Rent	<b>0.00</b>	0.08
Power (from Schedule -9)	<b>144.68</b>	151.89
Repairs & Maintenance (Transferred from Sch. 10)		
a) Township	<b>67.23</b>	128.82
b) Other Welfare Buildings	<b>60.27</b>	143.71
c) Others (Maintenance of School Bus/Ambulance)	<b>26.34</b>	25.72
Training Expenses		
a) Within Co.	<b>12.96</b>	11.03
b) Outside Co.	<b>0.00</b>	0.00
Depreciation on Social Overhead Assets (Ref : Sch-F/F1)	<b>61.15</b>	60.49
Family Planning Expenses	<b>0.02</b>	0.24
Uniforms / Sticking Charges	<b>19.28</b>	7.58
Other Benefits	<b>67.49</b>	66.00
	<hr/>	<hr/>
Sub Total	<b>1093.49</b>	1167.54
	<hr/>	<hr/>
Less ; Recoveries		
House Rent	<b>8.76</b>	9.00
Electricity	<b>20.64</b>	20.22
School bus Charges	<b>1.82</b>	1.51
	<hr/>	<hr/>
	<b>31.22</b>	30.73
	<hr/>	<hr/>
Balance :	<b>1062.27</b>	1136.81
	<hr/>	<hr/>

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007**

**SCHEDULE - 9**

**POWER AND FUELS**

	<b>Current Year (Rs. in Lakh)</b>	Previous Year (Rs. in Lakh)
Purchased	<b>330.13</b>	321.71
Sub Total	<b>330.13</b>	321.71
Less : Transferred to Social Overhead Sch-8	<b>144.68</b>	151.89
	<hr/>	<hr/>
Total	<b>185.45</b>	169.82
	<hr/>	<hr/>

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007**

**SCHEDULE -10**

**REPAIRS**

	<b>Current Year (Rs. in Lakh)</b>		Previous Year (Rs. in Lakh)
Office Building	174.15		100.90
Repair & Maintenance Township/Residential Building	127.50		272.52
Plant & Machinery	77.27		82.40
Office Equipment & Furniture	37.26		30.08
Vehicles ( Other than School Bus / Ambulance)	57.26		57.36
Repair & Maintenance School Bus/Ambulance	26.34		25.72
Others	1.52		2.49
Sub Total	<u>501.30</u>		<u>571.47</u>
Less : Transferred to Social Overhead Sch-8	153.84	298.25	
Less : Transferred to Misc. Expenses Sch-12	40.53	39.95	338.20
Total	<u>306.93</u>		<u>233.27</u>

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007**

**SCHEDULE -11**

**CONTRACTUAL EXPENSES**

	<b>Current Year (Rs. in Lakh)</b>		Previous Year (Rs. in Lakh)
Contractual Works			
Drilling - MECL	27.10		76.87
Drilling - Others	95.52		73.91
Coal testing	103.89		101.22
Remote Sensing etc.	40.26		5.24
Total	<u>266.77</u>		<u>257.24</u>

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007**

**SCHEDULE -12**

**MISCELLANEOUS EXPENSES**

	Current Year (Rs. in Lakh)	Previous Year (Rs. in Lakh)
Traveling		
In country	333.45	344.51
Outside country	27.19	22.71
Printing & Stationery	80.99	76.51
Postage	2.60	3.85
Telephone	45.57	44.77
Advertisement & Publicity		
i) Advertisement for :		
a) Tender	28.51	21.36
b) Others	0.00	0.87
ii) Publicity	5.02	8.94
Freight Charges	0.10	0.14
Subscriptions	7.79	8.89
Security Expenses	196.06	189.58
Hire Charges		
a) Computer	32.89	43.06
b) Others	112.04	100.30
Maintenance of Cars & Jeeps :		
i) Petrol & Diesels	50.56	55.55
ii) Repairs (From Schedule 10)	40.53	39.95
iv) Road Tax	18.96	17.34
v) Insurance	7.60	6.89
Legal Expenses	9.42	10.39
Bank Charges	22.90	15.42
Consultancy Charges (CIL subsidiaries & Other jobs)	121.56	226.41
Auditor's Remuneration		
As Auditor	1.44	0.93
Traveling & Out of Pocket Expenses	1.54	3.92
In other capacity - Tax Audit & others	0.48	0.31
Internal Audit Expenses	7.48	5.48
Rates & Taxes	26.59	26.55
Rent	26.87	28.34
Insurance	1.46	1.20
Lands/crops compensation	0.25	0.25
Others :		
Amortisation of Software Licensing fees	33.68	26.31
Conference & Seminar etc.	7.35	7.66
Tents & Hutments	51.42	25.58
Shifting & Settling Exp.	23.12	23.12
Entertainment	0.03	0.04
R&D Expenses	0.00	3.12
Horticulture	2.40	5.50
Bad Debt Written Off	0.71	0.00
Other Expenses	21.89	13.10
Exchange Fluctuation	0.25	0.16
Entry Tax	11.74	0.00
Wealth Tax	0.00	0.08
Total	1362.44	1409.09

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007****SCHEDULE -13****INTEREST**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Coal India Limited Holding Co.	<b>17.80</b>	16.44
Interest on Retirement Pension Fund	<b>3.54</b>	4.12
Interest others	<b>7.61</b>	0.02
Total	<b>28.95</b>	20.58

**SCHEDULE TO PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31st MAR 2007****SCHEDULE -14****PROVISIONS / WRITE - OFF**

	<b>Current Year (Rs. in Lakh)</b>	<b>Previous Year (Rs. in Lakh)</b>
Provision :		
Doubtful debts	<b>101.88</b>	106.22
Doubtful Advances	<b>24.26</b>	1.49
Obsolescence	<b>0.00</b>	0.00
Reduction in value of assets	<b>0.00</b>	0.00
Total	<b>126.14</b>	107.71

## PRIOR PERIOD ADJUSTMENTS

	<u>CURRENT YEAR</u> (Rs in Lakh)	<u>PREVIOUS YEAR</u> (Rs in Lakh)
<b><u>DEBIT :</u></b>		
<u>Employees Remuneration &amp; Benefits :</u>		
a) Salary, Wages & Allowances	20.08	10.72
b) Life Cover Scheme	0.00	0.10
c) Ex-gratia	<u>0.00</u>	<u>1.68</u>
	20.08	12.50
Repairs	1.61	1.27
Rates & Taxes	0.15	7.31
Rent	0.00	0.09
Depreciation	3.67	128.50
Consumption of Stores / Chemicals	0.07	3.26
Interest on Loan - CIL	0.00	2.81
Interest for Income Tax	37.38	0.00
Contractual Payments	2.23	2.01
Power & Fuel	7.40	0.00
Loss on Disposal/Discard	0.89	0.00
Miscellaneous Expenses	<u>4.09</u>	<u>10.33</u>
<b>TOTAL DEBIT</b>	<b>77.57</b>	<b>168.08</b>
<b><u>CREDIT :</u></b>		
<u>Employees Remuneration &amp; Benefits :</u>		
a) Salary, Wages & Allowances	21.60	15.24
b) Life Cover Scheme	0.00	0.00
c) Ex-gratia	<u>1.02</u>	<u>0.00</u>
	22.62	15.24
Director's T.A.	0.41	0.28
Rent	0.00	8.50
Repair	0.11	6.18
Misc. Expenditure	0.11	0.52
Other Receipts	0.28	0.00
Power & Fuel	0.00	11.72
Consumption of stores & Spares	2.47	1.49
Contractual Payments	3.79	2.49
<u>Interest :</u>		
a) Income Tax	0.00	0.00
b) Others	0.34	0.01
Sale of Services	<u>34.12</u>	<u>11.75</u>
<b>TOTAL CREDIT</b>	<b><u>64.25</u></b>	<b><u>58.18</u></b>
<b>NET CREDIT (-)/DEBIT (+)</b>	<b><u>13.32</u></b>	<b><u>109.90</u></b>

**SCHEDULE – 16**  
**ACCOUNTING POLICY FOR 2006-07**

1.0 ACCOUNTING CONVENTION

Financial statements are prepared consistently on the basis of historical cost and on accrual basis following going concern concept, Accounting Standards and generally accepted accounting principles and practices except otherwise stated elsewhere.

2.0 BASIS OF ACCOUNTING :

All expenses and incomes, if material, are booked initially in natural heads of accounts and then transferred to functional heads of accounts wherever required.

3.0 SUBSIDIES/GRANTS FROM GOVERNMENT :

3.1 Subsidies/Grants on Capital Account are deducted from cost of respective asset to which they relate. The unspent amount at the year end, if any, is shown as Current Liability.

3.2 Subsidies/Grants on Revenue Account are credited to Profit & Loss Account under the head of other Receipts and the expenses are debited to respective heads.

3.3 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.

3.4 Grant/Fund received as Nodal/Implementing Agency directly or through CIL are accounted for on the basis of receipts and disbursement.

4.0 FIXED ASSET :

4.1 Land

Land includes cost of acquisition including incidental expenses incurred thereon.



#### 4.2 Buildings

Buildings include cost of electrical fittings, water supply arrangements, sanitary fittings etc. which were part of construction contract and could not be segregated. Expenditures like partition, modification etc. and area development in township are being charged to Revenue as Repairs and Maintenance Expenses.

#### 4.3 Plant & Machinery

4.3.1 Plant & Machinery include cost & expenses incurred for erection / installation and other attributable costs of bringing those assets to working condition for their intended use. Insurance spares supplied along with the machine are capitalized with the machine.

4.3.2 Software are amortized in three years.

#### 5.0 INVESTMENTS :

Long Term Investments, if any, are valued at cost.

#### 6.0 INVENTORIES :

6.1 Stock of stores & spares at Central Drilling Stores, Barkakana are valued at cost calculated on the basis of weighted average method. Stores issued to Drilling Camps/Sites are charged off. The year end inventory of stores & spare parts lying at camps/sites/sub-stores initially charged off, are valued at issue prices. Consumables are valued at purchase prices.

6.2 Stores & spare parts include loose tools.

6.3 Provisions are made at the rate of 100% for unserviceable, damaged and obsolete stores and 50% for stores & spares not moved for 5 years or more except insurance items.

6.4 Stock of Stationery and Medicine are not considered in Inventory.

7.0 DEPRECIATION :

7.1 Depreciation on Fixed Asset is provided on straight line method at the rates specified in Schedule-XIV to the Companies Act, 1956 (as amended) except in some special cases. Depreciation on the assets added/disposed of during the year is provided on pro-rata basis with reference to the month of addition/disposal.

7.2 Value of lease-hold land is amortized within the lease period.

7.3 Assets whose actual cost does not exceed Rs. 5000/- are depreciated at 100% leaving a token value of Rs. 1/- for each of such assets.

8.0 BALANCE WITH COAL INDIA LTD. (HOLDING COMPANY):

Amount due to Coal India Limited on account of Loan after adjustment for conversion to equity or vice-versa from time to time is shown as Unsecured Loan. Amount due/receivable for revenue nature transaction in Current Account is shown under Current Liability/Current Asset.

9.0 INTEREST TO HOLDING COMPANY :

Interest on Loan from Coal India Limited (Holding Company) is accounted for as per advice from them.

10.0 RETIREMENT BENEFITS TO EMPLOYEES :

10.1 The liabilities on account for gratuity and leave encashment benefits payable on retirement to employees is determined and provided for on the basis of actuarial valuation.

10.2 Provident Fund and Retirement Pension Scheme liabilities are accounted for on accrual basis and transferred to authorities in appropriate cases.

11.0 REVENUE RECOGNITION :

11.1 Services rendered to CIL Subsidiaries for P&D and Exploration are billed on Cost Plus Basis except in cases covered in item 11.4 below. Unit of cost for the purpose is taken as :

- |      |                                |   |                   |
|------|--------------------------------|---|-------------------|
| (i)  | For Exploration Services       | - | Drilling Meterage |
| (ii) | For Planning & Design Services | - | Engineering Days  |

- 11.2 Effects for errors and omissions up to 0.2% of the expenditure/income for the year detected after the accounts are submitted to the Audit Committee/Board of Directors will be accounted for during the year without revising the selling rate.
- 11.3 Billing on CIL Subsidiaries is done during the year at budgeted rates. Final Bills of differential amounts are raised for that particular year on finalization of accounts.
- 11.4 Other miscellaneous jobs are billed on cost/cost plus basis or on mutually agreed rates as the case may be.
- 11.5 Sales shown in accounts are exclusive of service tax.
- 11.6 In the case of consultancy contracts with parties other than CIL Subsidiaries, revenue is recognized at proportionate contract value based on the percentage of work done or amount realizable, whichever is lower.
- 11.7 Inspection Charges are accounted for on receipt basis.

#### 12.0 TRANSACTIONS IN FOREIGN EXCHANGE :

- 12.1 Expenses during the year in foreign currencies are converted/translated at the prevailing rate and sales are booked at the rate prevailing at the time of billing. Outstanding items at the end of the year are converted at the year end rate.
- 12.2 Current Assets & Liabilities in Foreign Currencies are converted/translated at year end exchange rates and the loss/gain on conversion/translation, if any, is recognized in the year.

#### 13.0 CHANGE IN ACCOUNTING POLICIES

Any change in Accounting Policy which has a material effect on financial statements for the current year is disclosed in Notes on Accounts (Schedule - 17).

**SCHEDULE - 17**  
**NOTES ON ACCOUNTS FOR 2006-07**

**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 There are certain assets taken over from erstwhile NCDC/Coal Board, the value of which could not be linked up. An amount of Rs. 4.80 lakhs realised on disposal of old assets received from erstwhile NCDC and Coal Board could also not be linked up with the acquisition value. Pending adjustment the amount is lying credited to Sale of Assets Suspense Account.

1.1.3 The Company has got constructed houses and office complex in BCCL Township in Dhanbad (Rs. 444.31 lakhs), NCL Township in Singrauli (Rs. 391.83 lakhs) and CCL Township in Rajrappa (Rs. 214.44 lakhs) on the land belonging to other subsidiaries of the Holding Company.

1.1.4 Testing for impairment of Assets in compliance of Accounting Standard 28 has been done estimating value in use on the basis of estimated future cash flows (budgetary estimates) and taking 7 % discounting rate as per CIL Guidelines and found that there has been no impairment losses.

1.1.5 CPTI Office Building at Rajrappa not in use at present is likely to be utilised gainfully in future.

**1.2 Depreciation**

1.2.1 Special Rates

1.2.2 The Earth Science Museum: 5.15 %.

1.2.3 All Plants & Equipment at Drilling sites; Scanner, Equipment and instruments used in the Laboratories for analysis work and all models of photocopiers : 11.31 %

1.2.4. High Volume Samplers and Respiratory Dust .  
Samplers : 33.33 %  
Telecom : 15.83 %

1.2.5 Buildings constructed on leasehold land and land belonging to other subsidiaries of CIL: at the rate applicable to buildings on freehold land.

## **2.0 STOCK OF STORES & SPARE PARTS**

- 2.1** 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.
- 2.2** The provision for non-moving items have been increased by Rs. 0.18 Lakhs from Rs 40.16 Lakhs to Rs 40.34 Lakhs on account of issues from non moving stores.

## **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 31/3/2007. The agreed Current Account balances with the CIL Subsidiaries as on 31/3/2007 were transferred to CIL Current Account in the month of April, 2007. 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 31/3/2007 is charged to Subsidiary Suspense Account.
- 3.1.2** Sundry Debtors include Rs.10275.85 lakhs due from CIL Subsidiaries. Since 01/4/1993 the system of acceptances of bills by CIL Subsidiaries has been introduced for adjustment of accounts with CIL. Balances upto 01/4/1993 amounting to Rs. 69.11 lakhs in total is under reconciliation. Acceptances of bills are regularly monitored. No provision is considered necessary for outstanding bills of companies under the same management barring a few specific cases .
- 3.1.3** Letters have been issued to Debtors including CIL subsidiaries to obtain confirmation of balances reply to which is awaited. Confirmation of balances of Sundry Creditors, various Loan and Advances, Deposit, etc. as on 31/03/2007 has not been obtained.

### **3.2. Others**

Income tax advance of Rs. 1122.24 lakhs includes Fringe Benefit Tax of Rs. 162.47 lakhs and payments under protest against assessments for the years upto Assessment Year 2004-05. Income tax provision of Rs 1105.36 lakhs includes provision relating to Assessment for the years upto Assessment Year 2007-08.

## **4.0 CURRENT LIABILITIES & PROVISIONS**

### **4.1. Current Accounts with CIL and its Offices**

4.1.1. Reconciliation of Current Accounts with CIL and its offices as well as of CIL Loan Account is done regularly, but it is not known if all the items appearing in Reconciliation Statement are accounted for by CIL within the year. Loan Account and Current Account balances as on 31.03.2007 have been reconciled.

### **4.2. Liabilities under Coal Mines Pension Scheme**

4.2.1 Current Liabilities include Rs. 38.37 lakhs deductions which could not be remitted due to certain employees being non-CMPF members and deceased CMPF members not yet opted for pension and for deductions in March, 2007 but remitted in April, 2007.

4.2.2 There is also a liability for Rs. 24.61 lakhs payable to the Scheme being the additional increments granted by the Company w.e.f. 01/7/1995.

4.2.3 The above amounts of liabilities are inclusive of interest at the rate applicable to CMPF.

4.2.4 As against these liabilities Rs 54.28 lakhs is held in Fixed Deposits with Bank.

### **4.3 Others**

4.3.1. The liability for contractual drilling is provided on the basis of 100% value of meterage drilled during the year less payments made against such drilling.

4.3.2. Provision of Rs. 367.00 lakhs ( Previous Year Rs 2530.81 lakhs ) made in respect of arrear salary payable to non-executives on account of wages / pay revision w.e.f 01.07.2001 to 30.06.2005 under NCWA VII is included in employees remuneration and benefits under current liabilities and provisions.

4.3.3. Gratuity for the year has been considered at incremental liability plus gratuity actually accruing in the year as per the recommendation of the actuary.

4.3.4. Sundry Creditors include amounts due to Small Scale Industrial Undertakings. The names of the Undertakings where such dues exceeds Rs. 1.00 lakh which is outstanding for more than 30 (thirty) days are :

		( <u>Rs. In Lakhs</u> )	
		<u>Current</u> <u>Year</u>	<u>Prev.</u> <u>Year</u>
1.	M/s. Sree Nath Engg. Co.	--	5.29
2.	M/s. Diamet Enterprises (India) Pvt. Ltd.	--	7.37
3.	M/s. Saroff Rubber Industries	--	3.54
4.	M/s. Bharat Wire Ropes	--	2.95

The above information regarding Small Scale Industrial Undertakings have been determined to the extent such parties have been identified on the basis of information available with the Company. This has been relied upon by the Auditors.

4.3.5 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 readily available, no disclosures have been made in the Accounts.

## 5.0. THEFT & SNATCHING CASES

Theft cases involving an amount of Rs 1.73 lakhs (Previous Year 2.59 lakhs) have been reported during the year. Most of the items covered under the reported thefts are charged off items and as such provision against such losses in the accounts has not been made.

## 6.0 DIRECTORS' REMUNERATION

		Rs in lakh	
		<u>Current Year</u> <u>2006-2007</u>	<u>Previous Year</u> <u>2005-2006</u>
(i)	Salary & Allowances including LTC/Leave Encashment	30.54	21.07
(ii)	Provident Fund	3.56	2.20
(iii)	Medical Expenses	0.58	1.47
(iv)	Value of Perquisites	0.00	0.04
(v)	Gratuity Paid	4.19	7.00

## 7.0 EARNINGS, EXPENDITURE ETC. IN FOREIGN CURRENCY

### 7.1 Expenditure in Foreign Currency

		Rs in lakh	
		Current Year <u>2006-2007</u>	Previous Year <u>2005-2006</u>
(i)	Foreign training /tour, books & others	11.51	11.93
(ii)	Consultancy fee	0.00	0.00
	TOTAL	<u>11.51</u>	<u>11.93</u>

### 7.2 Value of Imports Calculated on CIF Basis.

		Rs in lakh	
		Current Year <u>2006-2007</u>	Previous Year <u>2005-2006</u>
(i)	Capital Goods	15.67	202.11
(ii)	Spares & Components	<u>5.28</u>	<u>0.00</u>
	TOTAL	<u>20.95</u>	<u>202.11</u>

### 7.3 Earnings in Foreign Exchange.

		Rs. in Lakh	
		Current Year <u>2006-07</u>	Previous year <u>2005-06</u>
	Professional Fees	0.00	15.48



**7.4 Value of imported and indigenous stores and spare parts consumed and percentage thereof to the total consumption**

(Rs. in Lakh)

	Current Year <u>2006-07</u>		Previous year <u>2005-06</u>	
	Value	Percentage	Value	Per centage
Imported	0.68	0.08	0.06	0.01
<u>Indigenous</u>	<u>844.58</u>	<u>99.92</u>	<u>737.91</u>	<u>99.99</u>
<u>Total</u>	<u>845.26</u>	<u>100.00</u>	<u>737.97</u>	<u>100.00</u>

**8.0 OFFICE BUILDING (PART) HANDED OVER TO GOVERNMENT :**

Part of an Office Building at Ranchi has been occupied by the Government of Jharkhand with effect from 04/12/2000. The claim towards rent receivable as on 31/03/2007 is Rs. 20.75 lakhs. (Previous year Rs. 16.17 lakhs)

**9.0 CONTINGENT LIABILITY**

**9.1 Claims against the Company not acknowledged as debt**

9.1.1 Income tax matters : In respect of completed assessment pending in appeal Rs 280.61 Lakhs (Previous Year Rs .234.45 lakhs).

9.1.2 Service tax matters : In respect of completed assessment pending in appeal Rs. 40.24 lakhs (Previous Year Rs. 40.24 lakh) .

9.1.3. Other disputed claims pending in the courts and not provided for amount to Rs.788.87 lakhs (Previous Year Rs. 695.94 lakhs).

9.1.4. LC opened pending maturity during the year Rs 95.08 lakhs ( Previous year Rs 5.73 lakhs).

**9.2 Other matters**

9.2.1 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.

9.2.2 There is counter guarantee of Rs.16.70 Lakhs (Previous Year Rs. 28.32 Lakhs) issued by the Company in favour of Bank for issuing Bank Guarantee on behalf of the Company.

## 10.0 CAPITAL COMMITMENT

Estimated value of contracts remaining to be executed on capital account and not provided for amounts to Rs.382.04 lakhs (previous year Rs 94.98 lakhs).

## 11.0 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 31.03.2007 has been computed at Rs. 2163.55 Lakhs and Rs. 597.42 lakhs respectively. Net Deferred tax as at 31/03/2007 comprises of the following :

	(Rs in lakhs)	
	2006 – 07 -----	2005 - 06 -----
<b>A. Deferred tax Asset</b>		
VRS	29.65	30.25
Provision for obsolescence/ Non - moving	30.18	30.12
Provision for doubtful debts	87.04	52.76
Provision for Leave Encashment Gatuity,VRS	<u>2016.68</u>	<u>1650.27</u>
<b>Total (A)</b>	<b>2163.55</b>	1763.40
<b>B Deferred Tax Liability</b>		
Difference in WDV of assets	596.34	620.96
Difference in WDV of the Software	<u>1.08</u>	<u>0.82</u>
<b>Total (B)</b>	<b>597.42</b>	621.78
<b>C Deferred Tax Asset ( Net )</b>	<b>1566.13</b>	1141.62

## 12.0 WRITE BACK

12.1 Stale cheques ,which are more than three years old at the end of the financial year, are written back except in certain cases

12.2 Earnest Money and Security Deposit which are more than five years old at the end of the financial year are written back except certain cases involving Court cases etc.

### 13.0 PRIVATE COMPANY

The Company was incorporated as a Private Limited Company and the word Private was omitted Vide Notification no. GSR 1234 , dated December 30,1958

### 14.0 PREVIOUS YEAR'S FIGURES

Previous Year's figures have been re-arranged / re-grouped / re-classified wherever necessary to make them comparable with those of the Current Year.

Signatures to Schedules A to O for Balance Sheet, Schedules 1 to 15 for Profit & Loss Account and Schedules 16 & 17 for Accounting Policy and Notes on Accounts.

Sd/-  
Udayan Chakrabarti  
Company Secretary

sd/-  
P. K. Saha  
HOD (F)

sd/-  
S. R. Ghosh  
Director

sd/-  
S Chaudhuri  
Chairman-Cum-Managing Director

In terms of our report of even date attached

For U.Narain & Co  
Chartered Accountants

Sd/-  
( Awadhesh Kumar Pandey )  
( Partner )

Place : Ranchi  
Dated : 2<sup>nd</sup> July, 2007

**Segment-wise Profit Annexed to Profit & Loss Account  
for the Year ended 31st March 2007**

**RS. IN LAKH**

Sl.No.	Particulars	P & D	EXPLORATION	ENVIRONMENT	COMMON	TOTAL
	<b><u>Segment- wise Income :-</u></b>					
1	Segment- wise sale of sevices	7482.23	7787.14	762.73		16032.10
2	Segment- wise Misc. Income	257.08	25.02	1.93		284.03
3	Segmentwise total Income ( 1 + 2 )	<b>7739.31</b>	<b>7812.16</b>	<b>764.66</b>	<b>0.00</b>	<b>16316.13</b>
	<b><u>Segment- wise Expenditures :-</u></b>					
4	Salaries & Wages	4326.76	4170.70	415.01	2539.25	11451.72
5	Other Expenses	1255.60	1889.72	158.24	944.45	4248.01
6	Total Expenditure ( incl Dep. but excl. Interest , PP adj. and Provisions ) ( 4+5)	5582.36	6060.42	573.25	3483.70	15699.73
7	Share of Common cost	1673.85	1648.83	161.02	-3483.70	0.00
8	Total Expenses with share of Common ( 6 + 7 )	<b>7256.21</b>	<b>7709.25</b>	<b>734.27</b>	<b>0.00</b>	<b>15699.73</b>
9	Segment-wise Profit (+) / Loss ( - ) before Interest , PP Adj.& Tax ( 3 - 8 )	<b>483.10</b>	<b>102.91</b>	<b>30.39</b>	<b>0.00</b>	<b>616.40</b>
10	Interest	20.56	7.68	0.71	0.00	28.95
11	PP Adjustments Credit (-)/ Debit (+)	21.18	-8.57	0.71	0.00	13.32
12	Segment-wise Profit (+) / Loss ( - ) before Tax & Provisions ( 9-10-11 )	<b>441.36</b>	<b>103.80</b>	<b>28.97</b>		<b>574.13</b>
13	Provisions					126.14
	Bad Debts					0.71
14	Net Profit ( +) / Loss ( - ) Before Tax (12-13)					<b>447.28</b>
15	Provision For Taxation					542.20
16	Provision For Taxation - Frindge Benefit					71.00
17	Provision For Deferred Tax					-424.51
18	Net Profit after Tax ( +) / Loss ( - ) ( 14 -15 -16 -17)					<b>258.59</b>

**CENTRAL MINE PLANNING AND DESIGN INSTITUTE**

CASH FLOW STATEMENT FOR THE YEAR ENDING 31ST MARCH 2007

Amount in Rs. Lakh

PARTICULARS		2006-07	2005-06
<b>CASH FLOW FROM OPERATING ACTIVITIES</b>			
Net Profit before taxation and extraordinary Items		460.60	504.42
PP Adj ( Dr)	-	13.32	109.90
PP Adj (CR)	+	0.00	0.00
Wealth Tax Prov	+	0.00	0.08
Increase in Misc Exp not Written off	-	0.00	0.00
Decrease in Misc Exp not Written off	+	0.00	0.00
<b>Adjusted Net Profit</b>		<b>447.28</b>	<b>394.60</b>
Adjustments for :-			
Depreciation	+	442.86	540.94
Profit on Sale of Assets	-	0.00	0.00
Loss on Sale of Assets	+	0.89	0.00
Amortisation of Intangible Assets	+	60.60	22.58
Foreign Exchange Fluction Gain	-	0.00	0.00
Foreign Exchange Fluction Loss	+	0.25	0.16
Interest Income	-	57.07	25.32
Interest Expenses	+	28.95	20.58
Operating Profit before Working Capital Changes		<b>923.76</b>	<b>953.54</b>
Increase in Sundry Debtors	-	1100.63	0.00
Decrease in Sundry Debtors	+	0.00	403.34
Increase in Loans & Advances ( Excl Incone Tax & Wealth Tax)	-	3757.56	0.00
Decrease in Loans & Advances ( Excl Incone Tax & Wealth Tax)	+	0.00	28.93
Increase in Other Current Assets	-	5.67	0.00
Decrease in Other Current Assets	+	0.00	74.75
Increase In Inventories	-	104.52	0.00
Decrease In Inventories	+	0.00	4.32
Increase in Sundry Creditors (Current Liab & Prov excl. Income Tax & Wealth Tax)	+	4777.77	173.84
Dcrease in Sundry Creditors (Current Liab & Prov excl. Income Tax & Wealth Tax)	-	0.00	0.00
Cash Generated From Operation		<b>733.15</b>	<b>1638.72</b>

Continued.....

CASH FLOW STATEMENT FOR THE YEAR ENDING 31ST MARCH 2007 (continued....)			
Amount in Rs. Lakh			
		2006-07	2005-06
Cash Generated From Operation		<b>733.15</b>	<b>1638.72</b>
Income Tax Paid	-	575.20	538.68
Wealth Tax Paid	-	0.03	0.08
Cash Flow before Extraordinary Items		<b>157.92</b>	<b>1099.96</b>
Proceeds from Earthquake disaster settlement			
<b>Net cash from Operating Activities</b>		<b>157.92</b>	<b>1099.96</b>
<b>CASH FLOW FROM INVESTING ACTIVITIES</b>			
Purchase of Fixed Assets ( incl.WIP)	-	500.25	623.30
Proceeds from Sale of Equipment	+	1.50	0.00
Interest Received	+	57.07	25.32
<b>Net cash from Investing Activities</b>		<b>-441.68</b>	<b>-597.98</b>
<b>CASH FLOW FROM FINANCING ACTIVITIES</b>			
Proceeds from Long-term borrowings	+	1.36	2.79
Dedcrease in Long-term borrowings	-	0.00	0.00
Govt Grants	+	10.32	-36.58
Foreign Exchange Fluction Gain	+	0.00	0.00
Foreign Exchange Fluctuation Loss	-	0.25	0.16
Interest Paid	-	28.95	20.58
Dividend Paid	-		
<b>Net cash from Financing Activities</b>		<b>-17.52</b>	<b>-54.53</b>
<b>NET INCREASE / DECREASE IN CASH &amp; CASH EQUIVALENTS</b>			
<b>ADD :CASH &amp; CASH EQUIVALENTS AT THE BEGINING OF THE PERIOD</b>		2888.02	2440.57
<b>CASH &amp; CASH EQUIVALENTS AT THE END OF THE PERIOD</b>		<b>2586.74</b>	<b>2888.02</b>

**INFORMATION AS REQUIRED BY PART - IV OF SCHEDULE VI  
TO THE COMPANIES ACT, 1956  
Balance Sheet Abstract and Company's General Business Profile  
03 Jharkhand (State Code )**

I. Registration Details ;

Registration No. : - 

0	0	1	2	2	3
---	---	---	---	---	---

 State Code : - 

0	3
---	---

Balance Sheet Date 

3	1
---	---

0	3
---	---

2	0	0	7
---	---	---	---

  
Date Month Year

II. Capital Raised during the year ( Amount in Rs '000)

Public Issue 

				N	I	L
--	--	--	--	---	---	---

 Rights Issue 

				N	I	L
--	--	--	--	---	---	---

Bonus Issue 

				N	I	L
--	--	--	--	---	---	---

 Private Placement 

				N	I	L
--	--	--	--	---	---	---

III. Position of Mobilisation and Deployment of Funds

(Amount in Rs. '000)

Total Liabilities 

	6	4	7	8	2	0
--	---	---	---	---	---	---

 Total Assets 

	6	4	7	8	2	0
--	---	---	---	---	---	---

Sources of Funds : Paid-up Capital 

	1	9	0	4	0	0
--	---	---	---	---	---	---

Reserve & Surplus 

	4	3	9	5	8	3
--	---	---	---	---	---	---

Secured Loans 

				N	I	L
--	--	--	--	---	---	---

Unsecured Loans 

		1	7	8	3	7
--	--	---	---	---	---	---

Application of Funds: Net Fixed Assets 

	5	9	8	2	6	8
--	---	---	---	---	---	---

Investments 

				N	I	L
--	--	--	--	---	---	---

Net Current Assets 

(-)	1	1	5	4	9	1
-----	---	---	---	---	---	---

Misc. Expenditure 

				N	I	L
--	--	--	--	---	---	---

Accumulated losses 

				N	I	L
--	--	--	--	---	---	---

Deferred Tax 

	1	5	6	6	1	3
--	---	---	---	---	---	---

Intangible Assets 

			8	4	3	0
--	--	--	---	---	---	---

IV. Performance of Company (Amount in Rs '000)

Turnover							Total Expenditure										
1	6	0	3	2	1	1	1	5	5	8	4	8	3				
+ / - Profit/Loss before Tax							+ / - Profit/Loss after Tax										
+				4	4	7	2	8		-			1	6	5	9	2

(+ for Profit, - for Loss)

\* Loss after Tax is exclusive of deferred Tax credit of Rs 424.51 lakh

Earning per share in Rs.					
			N	I	L

Dividend	
N	A

V. Generic Names of three Principal Products/Services of Company  
(As per monetary terms)

Item Code No.  
(ITC Code)

N	O	T		A	V	A	I	L	A	B	L	E
---	---	---	--	---	---	---	---	---	---	---	---	---

Product  
Description

M	I	N	E		P	L	A	N	N	I	N	G		&	
										D	E	S	I	G	N

Item Code No.  
(ITC Code)

N	O	T		A	V	A	I	L	A	B	L	E
---	---	---	--	---	---	---	---	---	---	---	---	---

Product  
Description

G	E	O	L	O	G	Y		&		D	R	I	L	L	-
													I	N	G

Item Code No.  
(ITC Code)

N	O	T		A	V	A	I	L	A	B	L	E
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Product  
Description

N	A	T	U	R	A	L		R	E	S	O	U	R	C	E
M	A	N	A	G	E	M		E	N	T		A	N	D	
F	I	E	L	D		S		E	R	V	I	C	E	S	

Signed for Schedules A to O and 1 to 17

sd/-  
**Udayan Chakrabarti**  
Company Secretary

sd/-  
**P. K. Saha**  
H. O. D. ( Finance )

sd/-  
**S. R. Ghosh**  
Director

sd/-  
**S. Chaudhuri**  
Chairman - cum -  
Managing Director



ANNEXURE FORMING PART OF DIRECTORS' REPORT FOR THE YEAR ENDED 31.03.2007 INFORMATION AS PER SECTION 217(2A) OF THE COMPANIES ACT, 1956 READ WITH COMPANIES (PARTICULARS OF EMPLOYEES) RULES 1988.

Sl. No.	Name	Designation / Nature of work	Remuneration During the year (Rs.)	Nature of employment Permanent / temporary	Qualification	Experience (yrs.)	Date of commencement	As on 31 <sup>st</sup> Mar 2007 (Yrs)	Last employment held
1	2	3	4	5	6	7	8	9	10

(a) Employed through out the financial year under review and were in receipt of remuneration for that financial year in the aggregate of not less than Rs. 24,00,000/-.

-----Nil-----

(b) Employed for the part of the financial year under review and were in receipt of remuneration for any part of that financial year at a rate which in the aggregate was not less than Rs. 2,00,000/- per month.

----- Nil -----