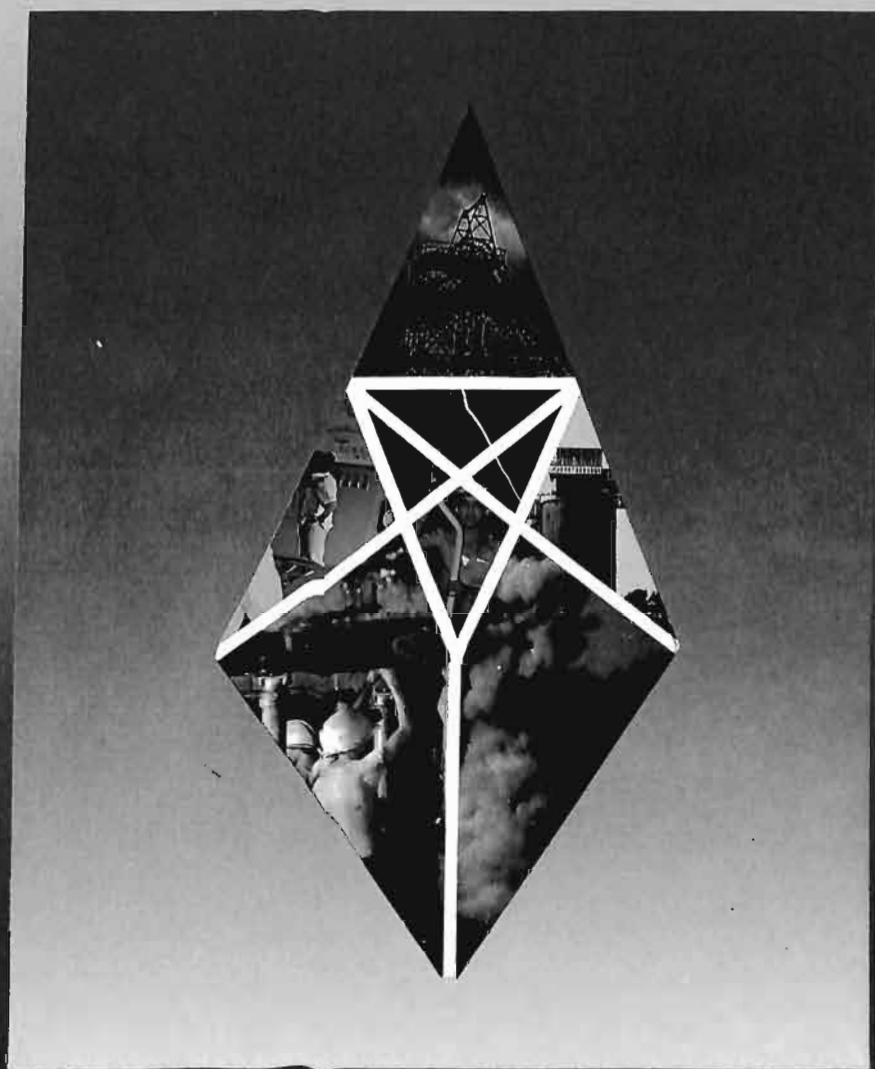


# ANNUAL REPORT & ACCOUNTS FOR 1986-87

(VOL-I)

१९८६-८७ का वार्षिक प्रतिवेदन तथा लेखा विवरण  
खण्ड-१

AR 1986



**Coal India Limited**  
कोल इण्डिया लिमिटेड



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  - (a) Comments of the Comptroller and Auditor General of India under Section 619(4) of the Companies Act, 1956 and our Replies thereon
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## *Management during 1986-87*

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### CHAIRMAN :

Shri G. L. Tandon

### FUNCTIONAL DIRECTORS :

Shri B. Swaminathan

– Finance (From 5-8-86)

Shri M. Jha

– Technical (Upto 20-5-86)

Shri K. A. Sinha

– Technical (From 22-5-86)

Shri A. V. Brahma

– Personnel & Industrial Relations (From 2-7-86)

### DIRECTORS :

Shri P. N. Abbi

– Addl. Secretary, Deptt. of Coal

Shri J. C. Lynn

– Jt. Secretary & FA, Deptt. of Coal

Shri A. Bhatnagar

– Jt. Secretary, Deptt. of Power (Upto 1-1-87)

Shri T. T. Joseph

– Jt. Secretary, Deptt. of Power (From 28-1-87)

Shri G. P. Rao

– Chairman-cum-Managing Director  
Singareni Collieries Co. Limited

Shri S. N. Singh

– Chairman-cum-Managing Director  
Eastern Coalfields Limited (Upto 31-12-86)

Shri R. G. Mahendru

– Chairman-cum-Managing Director  
Central Mine Planning & Design Institute Limited

Shri B. R. Prasad

– Chairman-cum-Managing Director  
Bharat Coking Coal Limited

Shri Mahip Singh

– Chairman-cum-Managing Director  
Western Coalfields Limited

Shri P. B. Datta

– Deputy Company Secretary

## *Present Management*

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### CHAIRMAN :

Shri G. L. Tandon

### FUNCTIONAL DIRECTORS :

Shri B. Swaminathan

– Finance

Shri K. A. Sinha

– Technical

Shri A. V. Brahma

– Personnel & Industrial Relations

### DIRECTORS :

Shri V. Krishnan

– Addl. Secretary, Deptt. of Coal

Shri R. S. Sane

– Jt. Secretary & FA, Deptt. of Coal

Shri T. T. Joseph

– Jt. Secretary, Deptt. of Power

Shri V. Govinda Rajan

– Chairman-cum-Managing Director  
Singareni Collieries Co. Limited

Shri Mahip Singh

– Chairman-cum-Managing Director  
Central Mine Planning & Design Institute Limited

Shri M. Jha

– Chairman-cum-Managing Director  
Northern Coalfields Limited

Shri T. R. Jayaraman

– Chairman-cum-Managing Director  
South Eastern Coalfields Limited

Shri J. D. Rai

– Chairman-cum-Managing Director  
Central Coalfields Limited

Shri J. N. Uppal

– Chairman-cum-Managing Director  
Eastern Coalfields Limited

Shri R. D. Roy

– Chairman-cum-Managing Director  
Western Coalfields Limited

Shri P. B. Datta

– Deputy Company Secretary

## *Board of Directors*



Shri G.L. Tandon



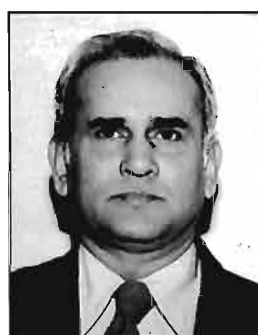
Shri B. Swaminathan



Shri K.A. Sinha



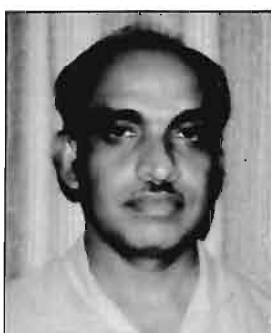
Shri A.V. Brahma



Shri V. Krishnan



Shri R.S. Sane



Shri T.T. Joseph



Shri V. Govinda Rajan



Shri Mahip Singh



Shri M. Jha



Shri T.R. Jayaraman



Shri J.D. Rai



Shri J.N. Uppal



Shri R.D. Roy

## *Bankers & Auditors*

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### **Bankers**

State Bank of India  
Central Bank of India  
Indian Bank  
Punjab National Bank  
Syndicate Bank  
Allahabad Bank  
United Bank of India  
Canara Bank

### **Statutory Auditors**

M/s. S. Bhaumik & Co.  
Chartered Accountants  
1, Netaji Subhas Road  
(2nd Floor)  
Calcutta 700 001

### **Branch Auditors**

1. M/s. K.S. Bothra & Co.  
Chartered Accountants  
Mercantile Buildings  
'D' Block  
9/12 Lal Bazar Street  
Calcutta 700 001
2. M/s. Mayra & Khatri,  
Chartered Accountants,  
Bhagwan Bhawan, 3rd Floor,  
Israil Moholla Street  
Masjid Bunder Road  
Bombay 400 009
3. M/s. P.D. Mittal & Co.  
Chartered Accountants,  
70, Daryaganj  
New Delhi 110 002

## Notice

### 13th Annual General Meeting

NOTICE is hereby given to all Shareholders of COAL INDIA LIMITED that the THIRTEENTH ANNUAL GENERAL MEETING of the Company will be held on Monday 23rd November, 1987 at 3.30 P.M. at the Registered Office of the Company at "COAL BHAWAN" 10, Netaji Subhas Road, Calcutta-700 001 to transact the following business.

1. To receive, consider and adopt the Report of the Board of Directors for the year 1986-87.
2. To receive, consider and adopt the Audited Balance Sheet as on 31st March, 1987.
3. To receive, consider and adopt the Accounts of the Company for the year ended 31st March, 1987.
4. To appoint a Director in place of Shri V. Krishnan who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.
5. To appoint a Director in place of Shri R.S. Sane who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.
6. To appoint a Director in place of Shri T.T. Joseph who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.
7. To appoint a Director in place of Shri V. Govinda Rajan who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.
8. To appoint a Director in place of Shri J.N. Uppal who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.
9. To appoint a Director in place of Shri R.D. Roy who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.
10. To appoint a Director in place of Shri Mahip Singh who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.
11. To appoint a Director in place of Shri M. Jha who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.
12. To appoint a Director in place of Shri J.D. Rai who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.
13. To appoint a Director in place of Shri T.R. Jayaraman who retires in terms of Article 33(d) (iii) of the Articles of Association of the Company and is eligible for re-appointment.

Dated the 16th November, 1987

Registered Office  
"COAL BHAWAN"  
10, Netaji Subhas Road  
Calcutta-700 001

P.B. Datta

Dy. Company Secretary

NB : A member entitled to attend and vote at the meeting is entitled to appoint a PROXY to attend and vote instead of himself and the PROXY need not be a member.



## *Chairman's Statement*

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Gentlemen,

I am happy to report that during the year we have been able to consolidate the gains of last year and achieve greater heights in production and productivity. We crossed the 10 million tonnes mark in annual increase in Coal Production for the first time, increased OBR by 22.8% over the previous year and OMS increased to 0.99 tonnes from 0.91 tonnes registering highest growth so far and far in excess of targets in absolute terms as well as percentage-wise (8.8%). This was achieved inspite of various constraints, particularly in the supply of power though it was a

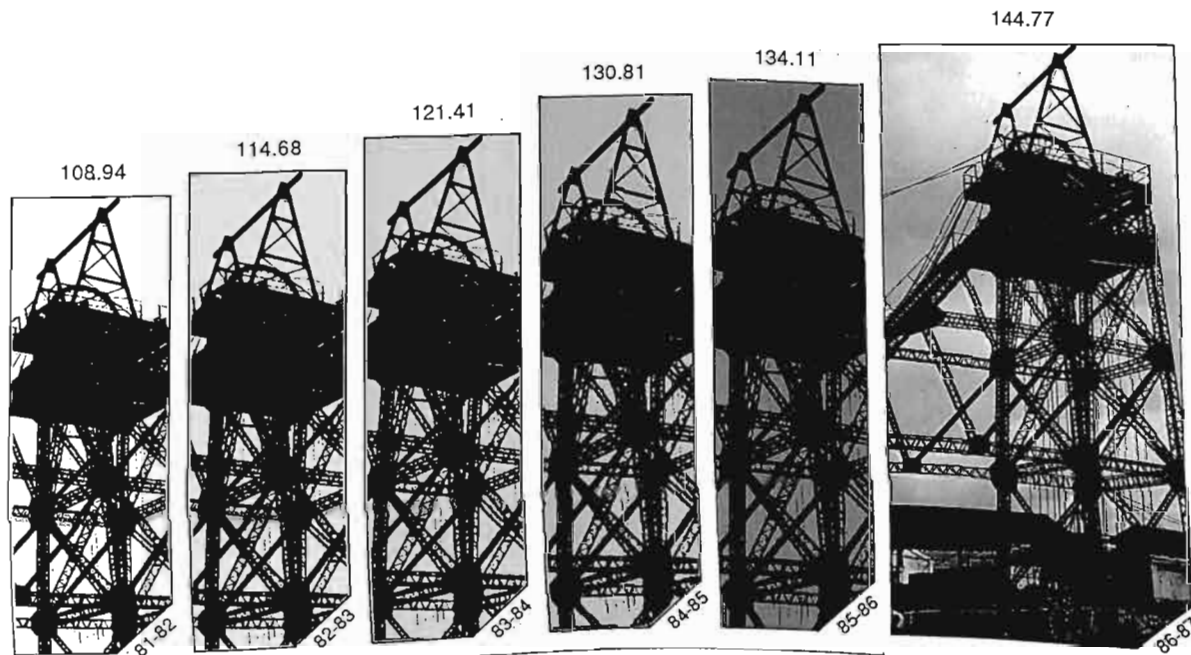
shade better than last year. To overcome this problem captive power plants are being set up in ECL, BCCL and CCL and more sites are also being identified for this. BHEL is being associated with this programme for introduction of the FBC technology for power generation, for the first time, for Coal India.

Coal deteriorates while in stock and in order to make sure that coal is not stacked at a rate higher than that related to despatch commitments, it is proposed to keep coal exposed for being mined at call.

## Chairman's Statement

### Trend of Coal Production of CIL

(in million tonnes)



#### Working Results

During the year CIL and Subsidiaries incurred a loss of Rs. 301.92 crores compared to the loss of Rs. 355.73 crores during the previous year before considering contribution to / from CPRA. The loss for the year includes provision of about Rs. 198 crores for the interim relief to the executives and non-executives w.e.f. 1.1.86. While giving an increase in price of coal w.e.f. January 9, 1986, the average ROM price considered was Rs. 210 per tonne as against the estimated cost of production for the year 1986-87 of Rs. 215.34 per tonne. As against this, the actual cost of production for the year 1986-87 was Rs. 221.54 per tonne (including provision for interim relief in Salaries/Wages and prior period adjustments) and the average realisation was Rs. 202.81 per tonne only. The increase in cost of production was mainly due to increase in the input costs especially increase in wages arising from increase in consumer price index (8%) and the interim relief sanctioned by the Government of

India with effect from 1.1.1986. The loss is also attributable to the unremunerative price structure prevalent now, which keeps the price of lower grade coals used by the power sector disproportionately low. Increase in production being mainly in Grades E, F & G the average notified price gets lowered by Rs. 5/- to Rs. 6/- P.T. every year. The current price for CIL and SCCL in respect of non-coking coal will also indicate that CIL's price structure needs a better and fair treatment.

Even though the notified price of 8th Jan '86 envisaged an average price of Rs. 210 per tonne, the grade-mix of 1987-88 at the present price structure would enable CIL to realise only Rs. 190 per tonne. Therefore the least that can be done is to enable CIL to get the envisaged average price of Rs. 210/- per tonne plus the increases in input costs in the intervening period. If SCCL prices are allowed to CIL we can assure the Government not only handsome profits but also lesser dependence on budgetary support.

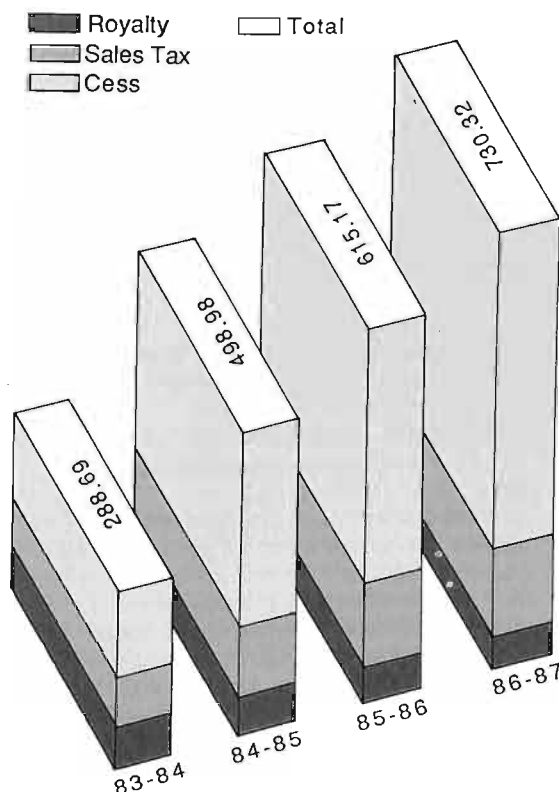
## Chairman's Statement

### Contribution to Exchequer

Notwithstanding the heavy losses incurred by the Company, Rs. 507.52 crores was paid to the Government of India towards repayment of Plan loan (Rs. 257.83 crores) and interest (Rs. 249.69 crores).

The Company and its Subsidiaries contributed to the State Governments' exchequer Rs. 730.32 crores by way of Royalty, Cess and Sales Tax which was Rs. 115.15 crores more than last year.

### Contribution to State Governments' exchequer (Royalty, Cess and Sales Tax)



### Productivity

Improvements in productivity & efficiency are being given special emphasis and we have

initiated the following steps in this direction:

1. Control of manpower deployment and recruitment.
2. Improving availability and utilisation of equipment by introducing
  - Rehabilitation of idle and cannibalised equipment,
  - Three tier workshop support,
  - Modular repair/replacement of damaged parts,
  - Depots and Service Centres at Coalfields by the manufacturers,
  - Standardisation of Equipment,
  - Improvement in Haul-road construction and maintenance,
  - Modern drilling and blasting techniques to have optimal fragmentation of material,
  - Incorporation of performance guarantee clause in Equipment supply orders,
  - Setting norms of availability and utilisation for equipment and monitoring performance against norms,
  - Introduction of mobile workshop,
  - Training of frontline Operators, Supervisors and Engineers
  - Appraisal of executives' performance against norms of availability/utilisation targets,
  - Mechanisation of Board and Pillar workings

### Capital Expenditure

Presently 152 Coal Mining Projects each having an investment of Rs. 5 crores and above with the total sanctioned capital outlay of Rs. 5,579.78 crores and annual production capacity of 179 million tonnes per annum are in various stages of progress. Besides this, three Washery Projects, LTC Plant, Dankuni and Fire Projects are also in progress. Delay in project execution is mainly for reasons of environment clearance, afforestation, land acquisition and delay in supply of equipment. Some of the Projects are awaiting Government approval, which delay would affect future production plans. Capital expenditure during the year was Rs. 980.41 crores as against Rs. 842.73 crores during the last year. The plan allocation for the year 1987-88 (BE 87-88) is Rs. 1026 crores. While bulk of the outlays are earmarked for the mine projects, infra-structural development, such as, construction of CHPs entails an outlay of Rs. 600 crores during the 7th Plan period within the

## Chairman's Statement

total outlay of Rs. 6,000 crores for the 7th Plan period.

Lower unit costs and better capital productivity can be ensured by choosing projects with high productivity and potential for future development. It would be essential also to ensure that adequate devolution of power is made to CIL to implement such projects.

### Demand/Off-take

The projected demand of coal for the year 1986-87 was 154.72 million tonnes against which the actual off-take was 141.65 million tonnes. This shows an increase of off-take by 6.73 million tonnes over the last year i.e. around 5% growth rate. During 1986-87, demand satisfaction was about 92%.

### Soft Coke

CIL has not been able to meet the projected demand of soft coke mainly because of diverting its resources to other sectors where the demand has gone up steeply, unremunerative price of soft

coke and the associated serious environmental pollutions. However, the gap was filled to some extent by supply of steam coal in lieu of soft coke and private entrepreneurs were encouraged to instal SSF units based on CMPDI technology to meet the domestic demand.

### Coal movement: Rail/Road

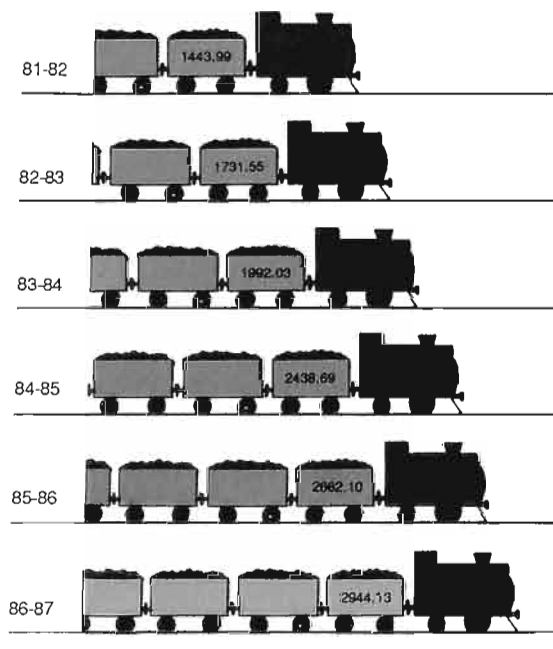
CIL established an all time record average loading of 12822 wagons per day in the month of March 1987. This is highest ever loading and is about 420 wagons/day higher compared to the previous best loading of Feb '87. Daily average loading for the year 1986-87 went up to 11248 wagons per day which was 450 wagons per day higher compared to 85-86.

During 1986-87, despatches by road went down marginally compared to preceding year which is welcome sign since coal being a bulk commodity, is moved primarily by rail. However, despatches by road were allowed to consumers who are situated within the proximity of coalfields and to distant consumers against shortfall in their rail quota and State quota for BKR and soft coke. The steady level in road despatches itself is suggestive of satisfactory availability of coal by rail movement. It will be desirable to curb road movement of coal over long distance by better operation of coal dumps. This will require higher priority in movement by Railways. In this process both Railways and country will benefit.

### Dialogue with consumers

To bridge the gap of communication and ensure better understanding of each other's problems, we have started regular face to face dialogues with our consumers whom we consider our most valued customers. A number of meetings were held in different regions of the country with different Consumers' Bodies, Associations, Chambers of Commerce and Industries for improved communication and consumers' satisfaction. The Consumers' Meets were organised at Delhi, Lucknow, Bombay, Bangalore, Hyderabad, Bhubaneswar and Calcutta which were personally attended by me. At the Consumers' Meets we emphasised the need for greater awareness of limitations of Indian Coal resources which are predominantly of lower grades. The need to adopt technology suitable for

Sales of Coal & Coke (Rs. in crores)



## Chairman's Statement



Coal Handling Plant

consumption of lower grades of coal by the consuming industries was also stressed as quality of coal is inseparable from the technology of its utilisation. Areas of improvement for increase in consumers' satisfaction were also identified.

### Coal Quality

Special emphasis was laid on improved quality consciousness and development of infrastructural facilities to maximise consumers' satisfaction. Amongst the numerous steps taken in this direction during 1986-87, were installation of new electronic weighbridges, conversion of old mechanical weighbridges to electronic print out system, installation of CHPs to increase mechanical coal handling capacity and conducting enquiries on complaints received to take punitive action and redressal.

The coal handling capacity increased to about 98

million tonnes accounting for 67% of production by the end of 86-87. Similarly in addition to 63 CIL weighbridges at the beginning of 86-87, action was taken for installing additional 24 Nos. and modification of 18 weighbridges. As a result, out of 257 rail loading points of CIL, 230 were covered under weighment system.

A Committee was constituted to work out a system of dealing with quality complaints. The Committee's Report has been approved by CIL Board for implementation and emphasis has been laid on registering, acknowledging and taking remedial action on all complaints including those received at Regional Sales Offices.

### Coal Quality Improvement

Deshaling plants have been programmed to be commissioned for improvement in quality of

## Chairman's Statement

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non-coking coal. A new technology incorporating ROM JIG is under installation at Bina Project in NCL and it has been decided to be installed in several other units.

### Stockyards

A decision was taken in 1980 by Government of India to evolve Stockyard Scheme to meet the demand, mainly of small consumers by opening stockyards at different consumption centres in the country. The decision was taken in the backdrop of wide ranging fluctuations in the market price, prevalence of a shortage psychosis, inflationary demand trend in the consumers' requirements and speculative trends in coal distribution.

The proposal of permanent linkage of small consumers with the Stockyards has been modified to give consumers option to obtain their requirements either directly from the colliery by rail or through CIL Stockyards. It was also decided that good quality coal would be moved to CIL Stockyards and distributed at a reasonable price giving preference to the consumers who opt to take coal from the Stockyards. Railway's help in timely movement of coal to Stockyards is essential for the success of this Scheme and to keep premia under control by making coal available to consumers in plenty.

The Stockyard Scheme has been largely successful in achieving its basic objectives to arrest the speculative trends in open market price, fully eliminating shortage psychosis and in establishing realistic demand level in different consumption centres. It has also been successful in directly serving multitude of small consumers well spread over the country at their consumption centres.

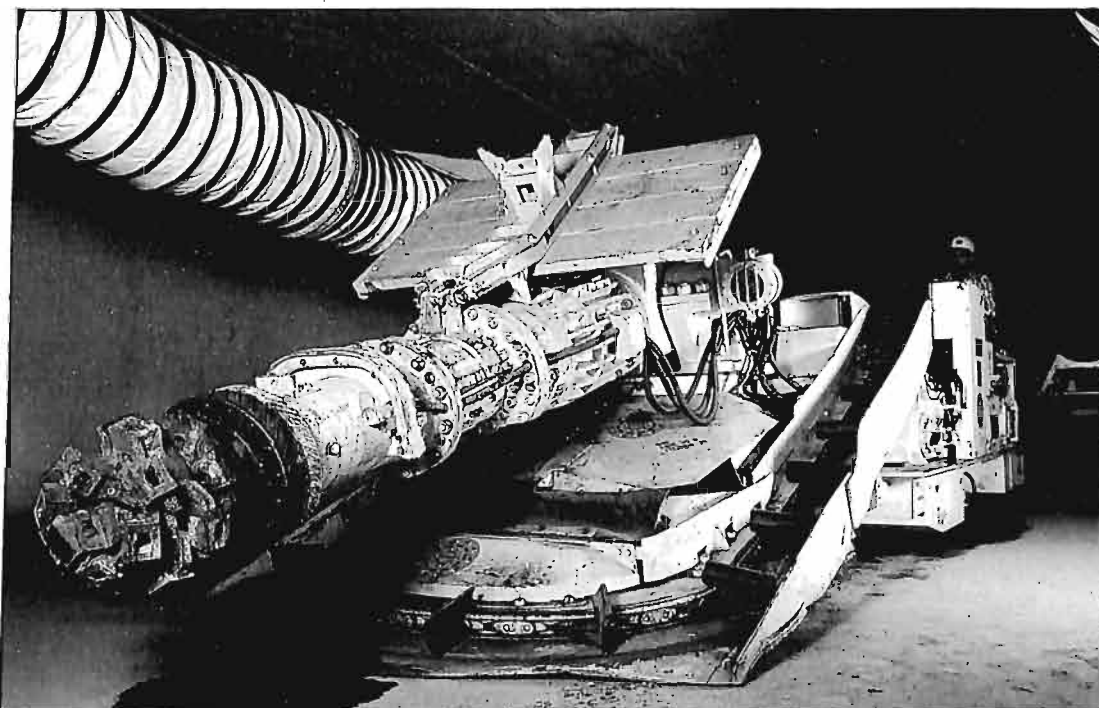
### Material Management

By streamlining purchase procedures, lead time for ordering has been significantly reduced consequent upon which last minute rush for purchase is being avoided. With the decision making being made quicker, price increases in centralised purchase at CIL could be influenced and controlled. In a number of cases we have been successful in breaking cartels thus lowering the prices. More and more items are being brought under uniform specification and centralised procurement to avail of bulk-purchase benefits and single point negotiation resulting in substantial saving.

### Programme of Modernisation, Research & Development for Coal Industry

CMPDIL, one of our Subsidiaries co-ordinates and monitors R&D Projects in coal sector funded

## Chairman's Statement



Road-header—new technology in underground mine

through S&T grant of Department of Coal. 72 Projects covering mining technology, coal exploration, beneficiation, coal utilisation, safety and environmental engineering have been under implementation during the year by 20 Agencies/ Institutions. Nine Projects were successfully completed during the year. Rs. 250.63 lakhs was disbursed during the year. The following major studies were completed during 1986-87:

- (i) Report on Energy Model for Planning Commission.
- (ii) Report on Men and Material transport system for Monidih Colliery of BCCL and Churcha Colliery of SECL.
- (iii) Techno-economic studies for selection of

Shovel-Dumper combination and Dragline.

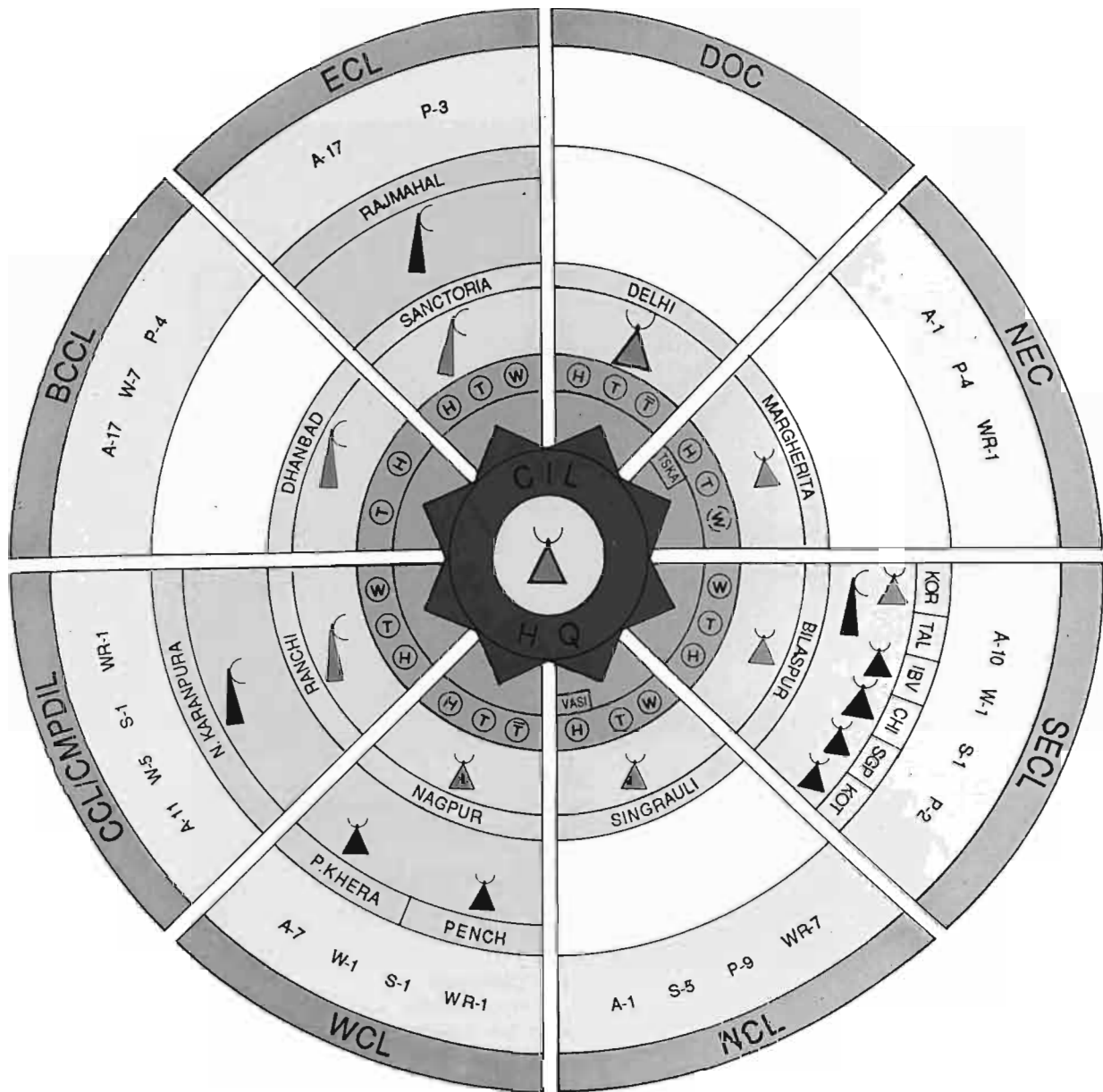
- (iv) Workshop support system of Opencast Project in CIL.

The installation of VAX-II/780 Computer system is in progress by CMPDI. The system is likely to be commissioned in 1987-88.

### Foreign Collaboration

Selective foreign assistance is being sought from technologically advanced coal producing countries i.e., USSR, France, UK, Poland, FRG and GDR to develop large capacity OCPs with high productivity and UG mines with difficult geo-mining conditions at greater depths. Bilateral co-operation with Australia and Canada is also under consideration.

# COALNET & COMMUNICATIONS



## LEGEND

- SURFACE TELECOM PROJECT
- HOTLINE
- TELEX
- TPM
- HF WIRELESS
- PROPOSED WIRELESS

- COALNET PHASE I
- COALNET PHASE II
- SATELLITE STN
- NATIONAL SATELLITE
- MICROWAVE/UHF SYSTEM

- COALNET PHASE III
- A- AREA
- W- WASHERIES
- S- STORES
- P- PROJECTS
- WR- WORKSHOP



## Chairman's Statement

### Telecommunication and Computerisation

Availability of timely, dependable and valid information is important for creating desired data base for prompt decision making. This is more relevant to CIL with activities spread over seven States, about 600 Units located in far flung unapproachable areas. Communication remained one of the major bottlenecks in achieving the planned objective. To overcome this, CIL has undertaken:

- Surface Telecommunication Project Phase-I connecting over hotlines (through P&T based circuits) CIL Head Quarters, Department of Coal and all the Subsidiaries, installation of T-43 type trunk board exchanges, PBX (10 + 50), SAX/RAX exchanges, TP/Telex and Facsimile/Automax facilities.
- COAL NET - Plan Phase-I and II Satellite based communication Network to provide both voice and Data Communication. 19 Earth Stations are to be installed to provide linkages with Company Headquarters and also important mining projects.
- COAL NET - Phase-III extending upto Area level of all the Subsidiaries for which technical feasibility study has been completed. In addition to voice/Data Communication, this will facilitate Computer Networking of various computers already installed/being installed in CIL Hqrs and Subsidiaries.

A high power steering committee comprising members from Department of Coal, Department of Telecommunication and Electronics, Planning Commission, CMC Limited, Telecommunication Consultants Limited with myself as Chairman of the Committee has been formed to identify areas which would yield immediate and optimum benefit to Coal Industry. An action plan for its implementation will also be evolved.

To ensure the optimum utilisation of men and machines and to achieve higher standards in safety, production, productivity and profitability, a dependable data base is essential. For this purpose, computerisation has been taken up in a big way as a part of modernisation plan. 44 Computers were installed in CIL and Subsidiaries during the year. Exposure Courses were organised and 125 executives were trained. During 87-88 there is plan to instal as many as

136 computers. To meet the ambitious computerisation plan, CIL is installing a Super-32 Super Mini Computer, supplied by the Electronics Corporation of India Limited (ECIL), at the corporate office, the hub of the computer network.

At the corporate headquarters, CIL is in the process of creating data banks and developing software updates for better monitoring. The important data banks being built up include the manpower data bank for 6,75,000 workers (for proper planning and control), an executive data bank of 14,000 officers (for effective deployment, career growth and training) and an equipment data bank for about 5,600 pieces of HEMM equipment (for performance monitoring and supplier evaluation). Besides these, a project data bank on the status of more than 190 colliery projects, 18 fire projects, 40 non coal projects and 30 coal handling plants (CHPs for better monitoring and control), a master list of 600,000 store items and 1,000 major spares (for better distribution and procurement) and a data bank of customers (to establish a more effective linkage) are also being planned.

To connect all CIL centres an integrated computer network will be established for which CMC Ltd has submitted its draft project report.

### Modernisation of Coal Industry

Modernisation programme by up-gradation of technology and adopting high-tech has been undertaken covering the major areas of mining electronics, application of computers, coal slurry transportation, integrated service communication net-work etc.

Electronification, involving the introduction of mine electronics, has been recognised by the CIL as a major thrust area for improving productivity and safety. The plan consists of inductive communication system, an intrinsically safe lead feeders communication system and radio paging system, as well as telemonitoring system in gaseous mines and sensor analysers for telemonitoring.

The electronification also covers ash monitoring, automatic personnel counters and monitoring and control systems for washeries and CHPs.

## Chairman's Statement



Shovel loading coal into a dumper in an opencast mine

Computerised equipment monitoring has already started and feed back from the coalfields is being streamlined. The system has already helped in the identification of various models of equipment under break-down and its need for rehabilitation with the help of manufacturers.

The Total Mine Management System (TMMS) is being introduced in some selected mines. The TMMS comprises a communication system, MIS and performance measurement and control procedures. Provision of an automatic truck identification and despatch system for maximising the utilisation of dumpers in the large mines is also on the cards. A TMMS was demonstrated at the Rajrappa Opencast Mine of Central Coalfields Ltd.



A view of thickener of a coal washery

## Chairman's Statement

### Safety

Various measures have been taken besides implementation of the recommendations of the different Safety Committees/Conferences as a result of which the rate of fatality per million tonnes of coal production has declined from 2.62 in 1975 to 1.07 in 1986. Measures being taken to enhance safety include :-

- (i) Full participation by workmen in Safety matters. At Government levels, Safety Committees have been constituted which include 5 workmen chosen in consultation with the Unions. The Safety Committee meets once a month where Colliery Manager presides. At the level of General Manager in the Area, Tripartite Safety meetings are held once a quarter. At corporate level, Tripartite Safety meetings are held twice a year with CMDs

presiding. At CIL level, a Safety Board has been constituted and tripartite meetings for Safety are held twice a year with Chairman, CIL, presiding.

- (ii) Training and re-training of workmen in Safety Management is strictly implemented.
- (iii) Support of roof and sides in UG mines is given special attention. Alternatives to Timber Support is being gradually practised. Safety Technologies of Longwall mining and Opencast mining are being introduced.

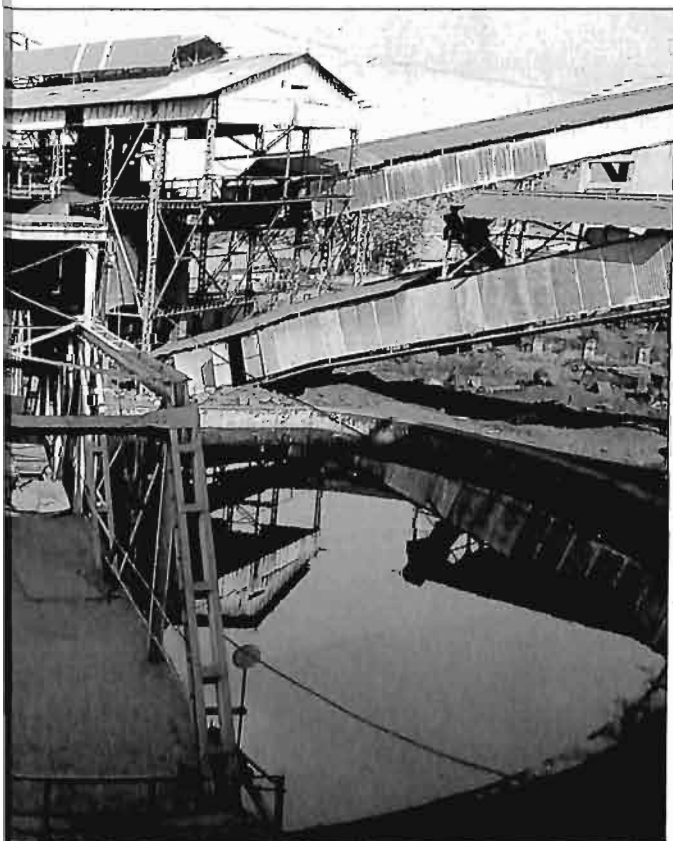
Besides, introducing Tele-monitoring, Tele-communication, Safety Wear Items, Annual Safety weeks, Safety Drives, Elimination of Basket loading etc., are being progressively implemented.

### Environment and Ecology

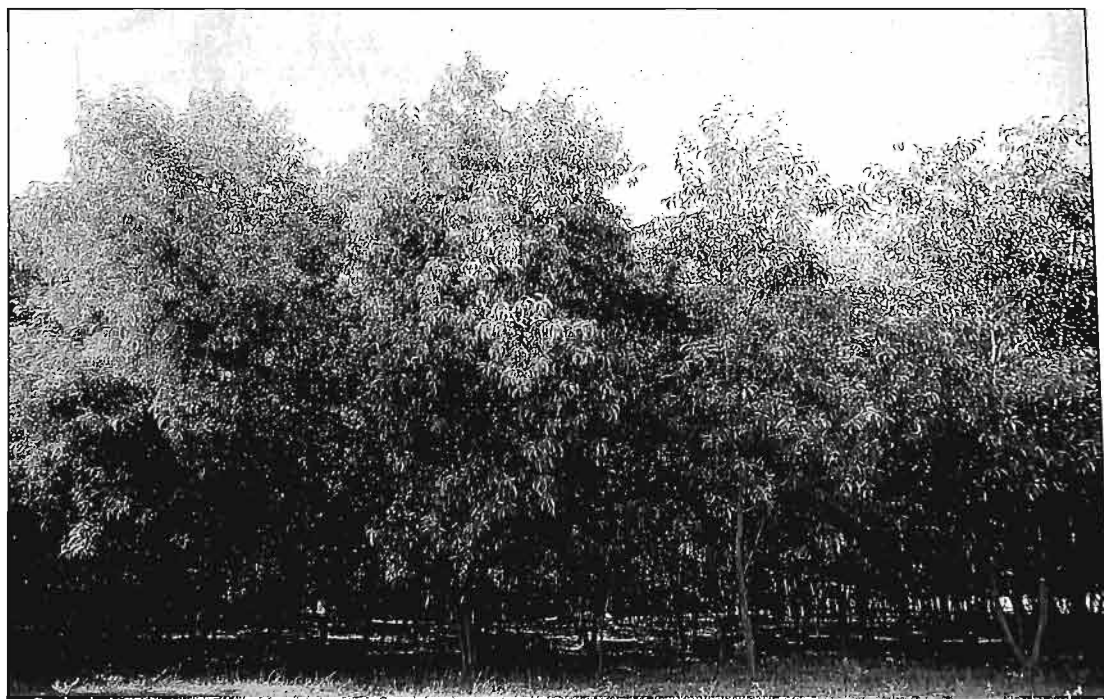
CIL & Subsidiaries have inherited a large back log of environmental damage done to the coal mining areas.

Considering the national objectives and commitment for protection of the environment, Coal India has adopted multi-pronged strategy as follows :-

- (i) Preparation and implementation of Environmental Management Plan for all projects.
- (ii) Environmental data base and creating organisational capability for assessment of environmental impacts (water, air and abatement noise).
- (iii) Monitoring the implementation of environmental protection measures including reclamation of mined land for identified post mining land use.
- (iv) Identification and assessment of tasks to be carried out in old worked out areas.



## Chairman's Statement



### Afforestation

Setting up of nurseries and tree plantation over waste land in the possession of the subsidiary companies of CIL has been taken up in a big way

and massive programmes with high targets have been laid for various companies. The achievement during 85-86, 86-87 and programme for 87-88 are given below :

Company	Achievement 85-86	Achievement 86-87	Survived 86-87	% of survival 86-87	Target 87-88	Achievement upto Oct '87
ECL	462335	941772	753417	80%	1100000	1045277
BCCL	112000	316817	179000	56%	700000	700000
CCL	206731	490951	338797	69%	1000000	842559
NCL	70066	157974	94784	60%	500000	754000
WCL	465000	158519	122475	77%	700000	426844
SECL	507695	687156	487880	41%	1100000	419030
NEC	4500	15000	4500	30%	50000	67703
Total	1828327*	2768189	1980853	71%	5150000	5255413

\* % survival in 85-86 approx. 60%

## Chairman's Statement

### Human Resources:

CIL and Subsidiaries consider human resources as the greatest asset being the largest corporate employer in the world. Bilateral negotiation, Joint Consultations, Grievance redressal machinery, extension of various welfare measures like Housing, Water supply, medical facilities and training and development continue to be the tools for major progress and development in this area.

Committees constituted at the CIL level have been revived and frequent meets arranged at regular intervals. Committees at Subsidiary as well as at Unit level have also been activated to discuss a wide range of subjects like planning and production, training and development, manpower, modernisation, R&D, safety and enforcement of welfare measures which gave rise to steady development in the union management relationship. The development is being monitored at the apex level by feed back from the companies followed through quarterly reports.

After the expiry of the 3rd Agreement on 31.12.1986 JBCCI-IV has been constituted and wage negotiations are under way. The JBCCI-IV has been meeting frequently and these meetings have created a better understanding of our mutual problems. This has also enabled the creation of a new atmosphere of cordiality in working relations between the workers and the managers. Pending settlement of NCWA-IV and also revision of executives' salary, interim relief sanctioned by the Government has been paid.

The medical facilities available to employees are under constant scrutiny. After the Coal Mines Labour Welfare Organisation hospitals were merged with Coal India Limited, it was seen that there was a large back log of facilities to be set up and other existing facilities required updating. We have arranged to study this with the help of Apollo Hospital, Madras, with a view to revamping the existing facilities and bring them upto the desired standards.



### Contribution to Africa Fund & Prime Minister's National Relief Fund

The employees of Coal Industry, both executives and non-executives have contributed liberally to the Africa Fund and the Prime Minister's National Relief Fund. The Energy Minister presented a cheque of Rs. 3,00,00,001 to the Prime Minister's Relief Fund as the contribution of employees of CIL and its Subsidiaries.

### Appreciation

We have won Commendation Medal for our qualitative participation in the India International Trade Fair held at New Delhi in November '86. Our Calendar for 1987 also received a special integration prize from International Art and Cultural Society.

### Welfare & Sports

We are trying to bring in a new concept as regards welfare of coal mines workers. Having



## Chairman's Statement



regard to the huge backlog of welfare work, an attempt is being made to separate welfare expenditure from other expenditure with a view to



ensure that sums earmarked for welfare are spent for that purpose only. We are also taking steps to encourage sports among the workers for which a Sport Control Board has been constituted.

### Jharia reconstruction

There is a large backlog of work relating to control of fires in Jharia coalfield where over 1850 million tonnes of coal is blocked due to fire. Special attention is being paid to expedite the pace of work relating to control of these fires. The proposal for reconstruction of Jharia coalfields has been pending for a long time due to problems relating to land acquisition and other allied matters. A new thrust has been given in tackling this. With the help of the National Institute of Town and Country Planning and eminent experts in the field the feasibility of a scheme for the development of a large mother town with a few satellite towns is being studied.

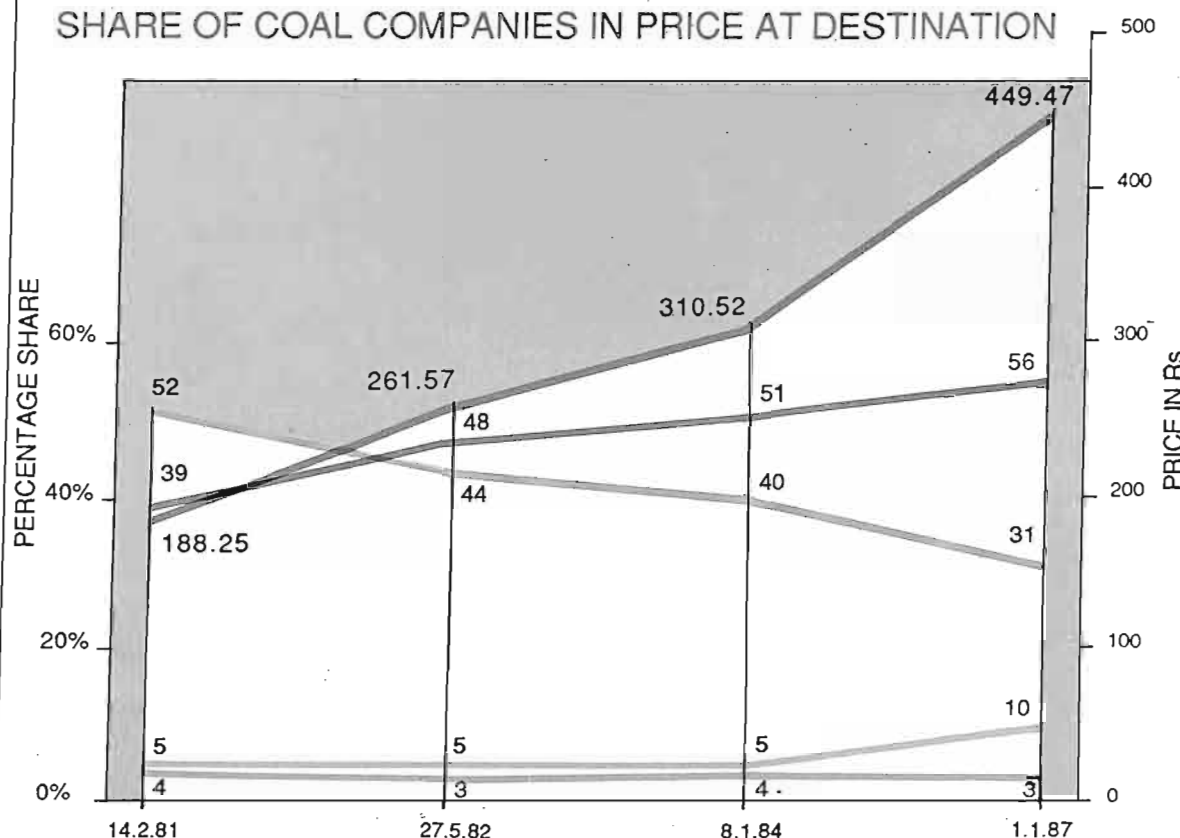
### Acknowledgements

I would take this opportunity to acknowledge the co-operation of our employees, both executives and non-executives, in enabling CIL to achieve significantly higher production and productivity and hope that they would help the Company in scaling greater heights. The Energy Minister in particular and the Officials of the Department of Coal were a source of strength to the Company and I would express my gratitude to them on behalf of the Company.

23rd November, 1987  
Calcutta.

G L TANDON  
Chairman

# SHARE OF COAL COMPANIES IN PRICE AT DESTINATION

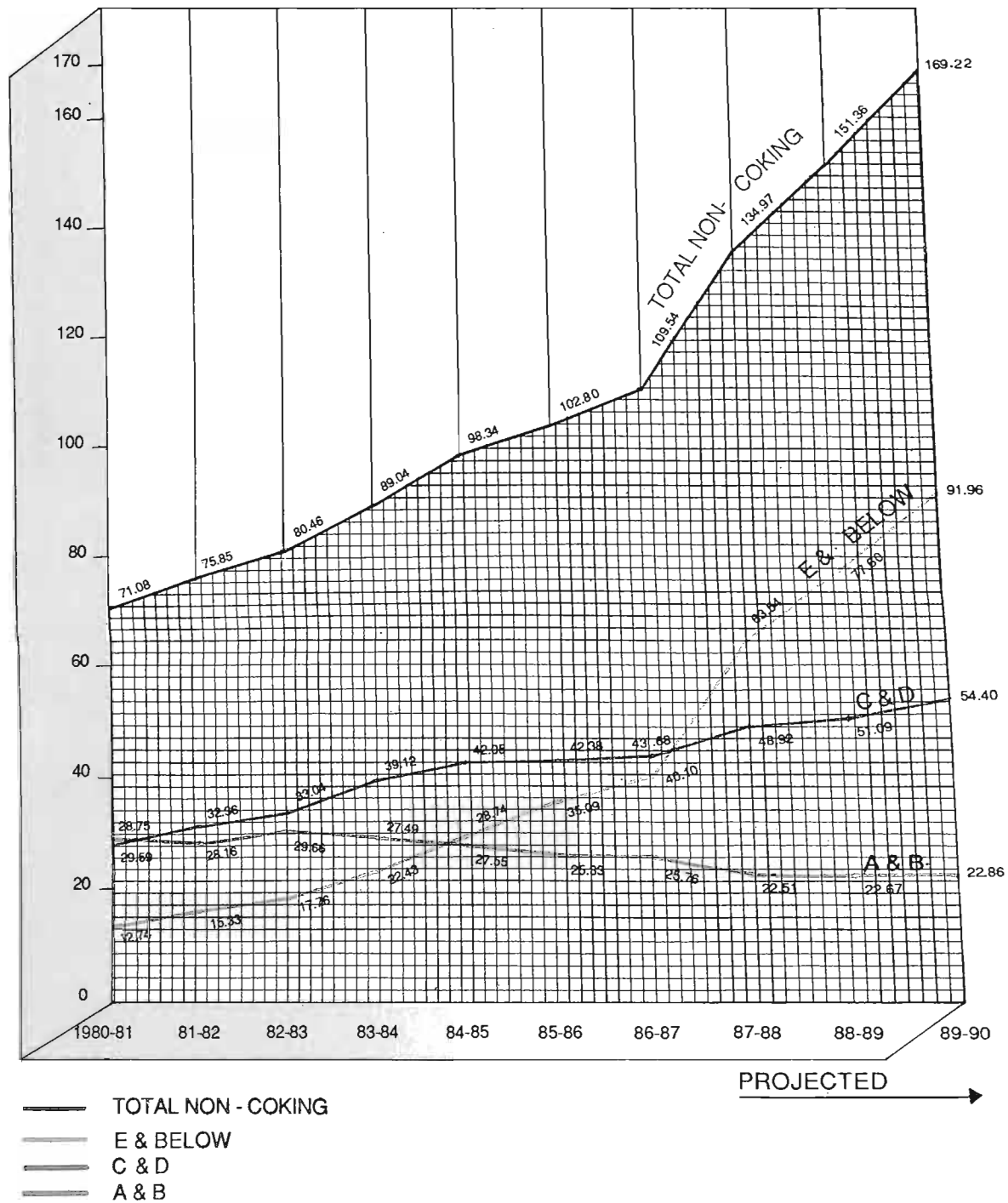


Particulars	(Rs.Per Tonne)							
	14.2.81		27.5.82		8.1.84		1.1.87	
Rom Pithead (Price Gr.E)	99.00	52%	115.00	44%	125.00	40%	138.58	31%
Royalty & Cess (Bihar Coal)	8.60	5%	12.90	5%	16.80	5%	45.85	10%
Other levies and tax	7.35	4%	8.27	3%	12.02	4%	13.72	3%
Rly. Freight for 1000 Kms	73.30	39%	125.40	48%	156.70	51%	251.48	56%
Total Price at Consumers end	188.25	100%	261.57	100%	310.52	100%	449.47	100%

Price calculated for a Power Station at 1000 Kms from Bihar Coalfields using Gr.E.Non-Coking Coal.

# NON-COKING COAL PRODUCTION

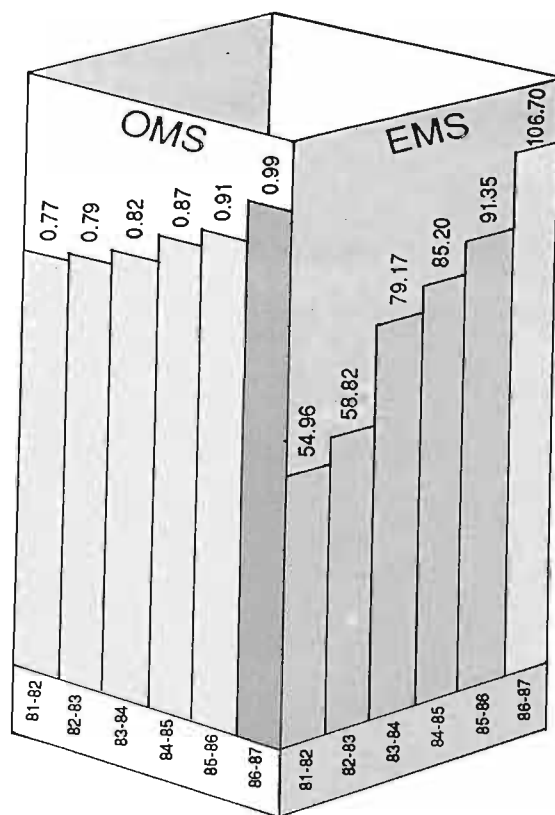
(FIGURES IN MILLION TONNES)





## Four Year Digest

Trend of OMS & EMS  
(OMS in tonnes, EMS in Rs.)



For the year

	1986-87	1985-86	1984-85	1983-84
	(Rs. in Crores)			
Sale	3792.15	2662.24	2438.85	1992.03
Cost of goods sold	3575.99	2536.52	2131.82	1963.48
Gross Margin	216.16	125.72	307.03	28.55
Interest	225.11	226.49	172.87	139.14
Depreciation	292.97	254.96	212.19	174.88
Net Profit (+)/Loss(-)	(-) 301.92	(-) 355.73	(-) 78.03	(-) 285.47
Equity	3559.50	3012.31	2556.69	2131.65
Reserve & Surplus	251.42	206.82	162.49	131.56
Loans - Long term (including accrued and due interest)	2993.64	2908.60	2503.81	2230.92
Short term (Bank)	225.73	83.04	131.98	174.63
Net Fixed Assets	3039.87	2629.16	2082.76	1763.98
Current Assets and Advances	2370.07	2293.75	2333.39	2238.06
Current liabilities & Provisions (including unpaid interest on Loan)	1601.34	1210.81	1066.35	1093.85
Working Capital	768.73	1082.94	1267.04	1144.21
Capital Employed	3808.60	3712.10	3349.80	2908.19
Net worth	589.23	720.46	714.01	502.64
Gross Margin to Capital Employed %	5.7%	3.4%	9.2%	1.0%
Net profit to Capital Employed %	(-) 7.9%	(-) 9.9%	(-) 2.3%	(-) 9.8%
Debt - Equity ratio	09 : 1	1 : 1	1.3 : 1	1.1 : 1
No. of Employees	673456	671962	669273	659599
Production of Raw Coal (Million-Tonnes)	144.77	134.11	130.81	121.41
O.M.S. (Tonnes)	0.99	0.91	0.87	0.82
E.M.S. (in Rs.)	106.70	91.35	85.20	79.17

## Profitability Statement

### HOW OUR RUPEE WAS SPENT



■	Employees	51p
■	Stores consumption	13p
■	Interest	9p
■	Depreciation	8p
■	Power & Fuel	6p
■	Others	13p

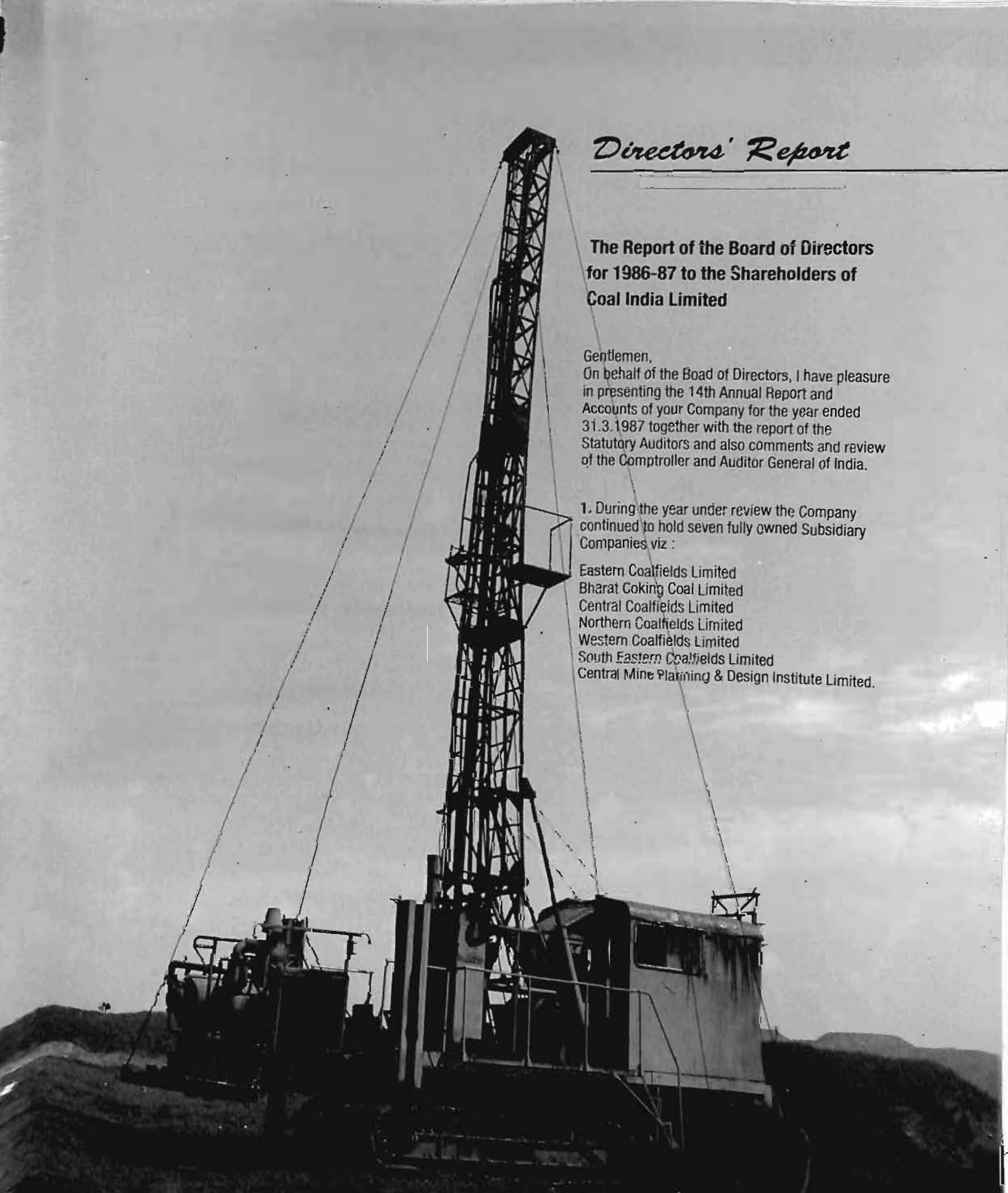
## *Profitability Statement*

For the year ended 31st March	1987	1986	1985	1984
<b>Earned From</b>				
				(Rupees in crores)
Sales	3792.15*	2662.24	2438.85	1992.03
Accretion/Decretion in stock of Coal/Coke etc.	51.77	(-) 32.88	92.41	32.20
Internal consumption of Coal, Coke etc.	65.81	85.80	82.81	72.10
Other Revenue Receipts	238.26	133.45	110.80	99.49
Total :	4147.99	2848.61	2724.87	2195.82
<b>Paid &amp; Provided for</b>				
Employees Remuneration & Benefits	1599.68	1370.67	1307.64	1188.67
Social Overhead (including domestic consumption)	252.42	218.11	215.24	173.08
Stores & Spares	486.02	432.44	382.28	342.41
Power & Fuel	219.80	182.97	154.57	124.08
Repairs	48.03	67.22	58.31	46.27
Transportation including OBR	154.39	128.82	100.23	81.38
Misc. Expenses	160.80	176.45	142.81	110.86
Payments & Provision for Exchequer (Royalty, Cess, Sales Tax etc.)	848.02*	—	—	—
Contribution to CPRA	29.83	48.45	—	(-) 42.79
Provision for Coal, Stores etc.	113.64	93.07	22.26	35.29
Interest	315.08	227.96	186.28	138.55
Depreciation	300.21	250.84	207.93	172.66
Prior Period Adjustment	(-) 48.18	55.79	25.35	68.04
Total :	4479.74	3252.79	2802.90	2438.50
Loss for the year	331.75	404.18	78.03	242.68
Investment Allowance Reserve, Income Tax etc.	42.62	39.31	29.76	23.50
Less brought forward from previous year	1659.35	(-) 1215.86	1108.07	841.89
Cumulative loss carried to Balance Sheet	2033.72	1659.35	1215.86	1108.07

\* Sales represents Gross Sales including Royalty, Cess, Sales Tax etc.

# Financial Position

As at 31st March,	1987	1986	1985	1984
				(Rs. in Crores)
<b>A. What is owned</b>				
Gross Fixed Assets	4701.06	4029.65	3202.10	2636.41
Less-Depreciation	1661.19	1400.49	1119.34	872.43
Net Fixed Assets	3039.87	2629.16	2082.76	1763.98
Capital-work-in Progress	1179.63	834.09	786.57	649.56
Investments	0.15	0.16	0.35	0.35
Misc. Expenditure (To the extent not written off or adjusted)	8.19	5.07	2.39	2.59
<b>Current Assets</b>				
Inventories	982.22	892.43	900.60	760.73
Sundry Debtors	465.45	399.55	377.46	379.18
Cash & Bank Balance	141.70	118.68	121.81	235.23
Other Current Assets	50.34	33.23	31.64	30.05
Loans & Advances	730.36	849.86	901.88	832.87
	2370.07	2293.75	2333.39	2238.06
Less : Current liabilities & Provisions (including unpaid interest on Loans)	1601.34	1210.81	1066.35	1093.85
Net Current Assets	768.73	1082.94	1267.04	1144.21
	4996.57	4551.42	4139.11	3560.69
<b>B. What is Owned</b>				
Long term Loans				
Govt Loan	2993.64	2908.60	2503.81	2230.92
Other Loan	225.73	83.04	131.98	174.63
	3219.37	2991.64	2635.79	2405.55
Net worth (A—B)	1777.20	1559.78	1503.32	1155.14
Represented by :				
Equity capital (including pending allotment)	3559.50	3012.31	2556.69	2131.65
Reserve & Surplus	251.42	206.82	162.49	131.56
Profit & Loss Account	(-) 2033.72	(-) 1659.35	(-) 1215.86	(-) 1108.07
	1777.20	1559.78	1503.32	1155.14



## *Directors' Report*

### **The Report of the Board of Directors for 1986-87 to the Shareholders of Coal India Limited**

Gentlemen,  
On behalf of the Board of Directors, I have pleasure in presenting the 14th Annual Report and Accounts of your Company for the year ended 31.3.1987 together with the report of the Statutory Auditors and also comments and review of the Comptroller and Auditor General of India.

1. During the year under review the Company continued to hold seven fully owned Subsidiary Companies viz :

Eastern Coalfields Limited  
Bharat Coking Coal Limited  
Central Coalfields Limited  
Northern Coalfields Limited  
Western Coalfields Limited  
South Eastern Coalfields Limited  
Central Mine Planning & Design Institute Limited.

# Directors' Report



Blasting.

The mines in Assam and its neighbouring areas continued to be managed directly by your Company through its NEC Division. Coal Mines Labour Welfare Organisation was taken over w.e.f. 1.10.1986. The Offices/Establishments under CMLWO have been merged with the different subsidiaries according to their geographical locations.

## 2. Production Performance

**2.1** The year 1986-87 was marked by all time record level of production at 144.77 million tonnes (Coking coal 29.47 million tonnes and Non-coking coal 115.30 million tonnes) as against the previous year's production of 134.11 million tonnes (Coking coal 30.31 million tonnes and Non-coking coal 103.80 million tonnes). The overall annual growth rate during 1986-87 exceeded 10 million tonnes mark for the first time since inception by producing 10.66 million tonnes more than in the previous year 1985-86.

Company-wise production of raw coal (Coking and Non-coking) for 1986-87 as compared to 1985-86 is indicated below.

## Coal Production

(Figures in million tonnes)

	Coking Coal		Non-coking Coal		Total Raw Coal	
	1985-86	1986-87	1985-86	1986-87	1985-86	1986-87
ECL	0.41	1.55	23.62	24.07	24.03	25.62
BCCL	16.52	14.07	4.56	9.94	21.08	24.01
CCL	12.64	13.07	11.49	12.07	24.13	25.14
NCL	—	—	11.61	13.60	11.61	13.60
WCL	0.64	0.69	17.53	18.65	18.17	19.34
SECL	0.10	0.09	34.15	36.06	34.25	36.15
NEC	—	—	0.84	0.91	0.84	0.91
<b>Total CIL</b>	<b>30.31</b>	<b>29.47</b>	<b>103.80</b>	<b>115.30</b>	<b>134.11</b>	<b>144.77</b>

## *Directors' Report*

### 2.2 Production of Soft Coke, Hard Coke and Washed Coal

The production of soft coke, hard coke and washed coal in 1986-87 were 1.53 million tonnes, 0.59 million tonnes and 8.04 million tonnes respectively as against last year's production of 1.71 million tonnes, 0.58 million tonnes and 8.05 million tonnes respectively. The hard coke production increased marginally and there was decline in the production of soft coke to the extent of 10.50% as compared to previous year.

The subsidiarywise position is as below :

(Figures in million tonnes)

	Soft Coke		Hard Coke		Washed Coal	
	1985-86	1986-87	1985-86	1986-87	1985-86	1986-87
ECL	0.80	0.69	0.01	0.01	—	—
BCCL	0.50	0.41	0.55	0.56	3.39	4.11
CCL	0.41	0.43	0.02	0.02	4.46	3.75
WCL	—	—	—	—	0.20	0.18
Total CIL	1.71	1.53	0.58	0.59	8.05	8.04

**2.3** The production of raw coal from open cast mines in 1986-87 was 84.67 million tonnes compared to last year's figure of 74.18 million tonnes registering a growth rate of 14.1%. The total quantum of overburden removed in 1986-87 was 189.67 million Cu. Mtr. as against last year's figure of 154.37 million Cu. Mtr. OBR being 35.30m<sup>3</sup> more than last year with highest growth rate at 22.8% ensures that exposure of coal and its mining in the future years will not be a bottleneck. Subsidiarywise production of raw coal



Man riding system in an underground mine

## Directors' Report

from open cast mines and quantum of overburden removed are indicated as under :-

	Overburden removed (in million cubic mtr.)		Coal production (in million tonnes)		% growth over 1985-86	
	1985-86	1986-87	1985-86	1986-87	OBR	COAL
ECL	18.31	22.52	7.70	9.22	22.9	19.7
BCCL	17.17	22.04	8.16	10.25	28.4	25.6
CCL	34.97	37.49	19.41	20.85	7.2	7.4
NCL	27.99	42.40	11.61	13.60	51.5	17.1
WCL	22.89	27.14	7.74	8.99	18.5	16.1
SECL	30.14	34.71	19.12	21.25	15.1	11.1
NEC	2.90	3.37	0.44	0.51	16.2	15.9
Total	154.37	189.67	74.18	84.67	22.8	14.1

### 2.4 Population of Equipment (HEMM)

There has been some increase in the number of open cast mines as also increase in the level of operation in the existing open cast mines requiring in increase in deployment of HEMM. The total number of Shovels deployed has increased from 438 to 569, Dumpers from 2420 to 2806, Dozers from 641 to 807 and Drills from 380 to 420.

### 2.5 Constraints

Due to various constraints specially shortfall in the supply of power from DVC/State Electricity Boards and heavy absenteeism, the Companies suffered a total loss of raw coal production to the tune of 9.83 million tonnes during 1986-87. As compared to previous year, loss of production due to various causes came down by 3%. Factorwise break-up



Panoramic view of an opencast mine under development



## Directors' Report

of loss of production of raw coal is indicated below :

(Figures in million tonnes)

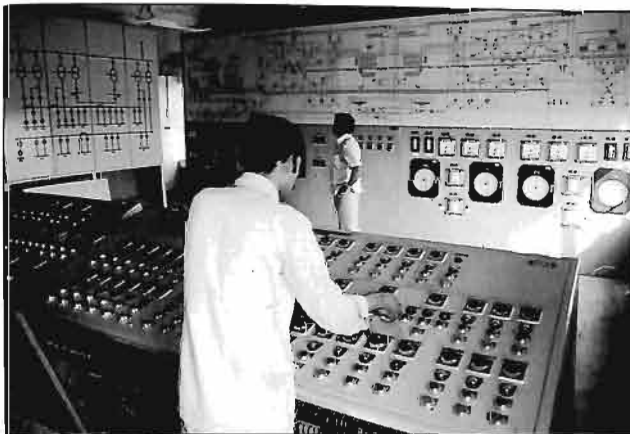
Factor	Loss of production	
	1985-86	1986-87
Power	4.79	3.98
Absenteeism	1.96	2.05
Labour unrest	0.25	0.12
Other constraints	3.18	3.68
Total	10.18	9.83*

\* In addition, 0.46 MT loss of production due to general strike on 9.4.86 and 21.1.87.

### 2.6 Availability of Power

The availability of power to mines in ECL, BCCL and CCL though better than last year was far from satisfactory during the year. ECL, BCCL and CCL received a major chunk of power from DVC either directly or through BSEB, DPS and/or APS. The overall availability of power was around 252.7 MVA as against the demand for 442 MVA during the year leaving a shortfall of 189.3 MVA approximately. Besides this, though the number

of interruptions decreased to 25,442 (cumulative) from 27099 (cumulative) during the year, delay in restoration of power resulted in 22215 feeder hours loss (cumulative) as compared to 18704 feeder hours loss during the previous year. This has resulted in an aggregate loss of production to the tune of 3.98 million tonnes of coal in ECL, BCCL and CCL in total. To improve power availability in ECL, M/s. Dishergarh Power Supply Company will install, operate and maintain



Electronic control room of a coal washery

## Directors' Report

2 × 10 MW plant on lease term. Orders have also been placed with BHEL for installation of fluidised bed combustion Plants at Moonidih (BCCL) and at Kathara (CCL). CMPDIL has indentified more locations for Thermal Power Stations and FBC technology installations.

**2.7** The overall OMS during the year under review has gone up to 0.99 tonnes from 0.91 tonnes. All the subsidiaries improved their OMS compared to

the previous year. The growth in the year is highest achieved by CIL so far to be in terms of absolute figure (0.08 tonnes) and in terms of percentage (8.8%). Measures to improve productivity for better use of resources to make them more productive and to reduce idle time of men and machines are continuing. The Companywise OMS position is as follows :

	O M S Tonnes		% increase over	
	1985-86	1986-1987	1985-86	
ECL	0.54	0.61	(+)	12.9
BCCL	0.60	0.67	(+)	11.7
CCL	0.98	1.04	(+)	6.1
NCL	6.11	6.93	(+)	13.4
WCL	1.08	1.14	(+)	5.6
SECL	1.43	1.50	(+)	4.9
NEC	0.77	0.86	(+)	11.7
Overall CIL	0.91	0.99	(+)	8.8



Headgear of an underground mine

## *Directors' Report*

### 3. Working Results

During the year under review, the Company and its Subsidiaries incurred a loss of Rs. 331.75 crores compared to the loss of Rs. 404.18 crores during the previous year. The Companywise position of the above loss for 1985-86 and 1986-87 is indicated below alongwith cumulative position upto 31.3.1987.

(Rupees in Crores)

	1985-86*	1986-87*	Cumulative Profit/ loss upto 31.3.1987
ECL	(-) 69.97	(-) 142.19	(-) 861.77
BCCL	(-) 159.36	(-) 87.71	(-) 875.86
CCL	(-) 83.24	(-) 68.67	(-) 32.78
NCL	—	(-) 1.49	(-) 25.48
WCL	(-) 99.05	(-) 0.68	(-) 105.22
SECL	—	(-) 30.06	(-) 30.06
CMPDIL	1.62	(+) 1.21	(+) 3.48
NEC including Stockyards	5.82	(-) 2.16	(-) 106.03
<b>Total</b>	<b>(-) 404.18</b>	<b>(-) 331.75**</b>	<b>(-) 2033.72</b>

\* Before creation of Investment Allowance Reserve and Income Tax Provision.

\*\* If we consider the balance of contribution in Coal Price Regulation Account of Rs. 78.28 crores (increase in balance by Rs. 29.83 crores during 1986-87), the adjusted loss for the year 1986-87 will be Rs. 301.92 crores (inclusive of provision of Rs. 198.47 crores for interim relief of Salary Wages) as against previous year's comparable adjusted loss of Rs. 355.73 crores.

The increase input cost, mainly the provision for Interim Relief to Executives and Non-executives (Rs. 198.47 crores approx.) accounted for the substantial losses during the year. There has been no revision of Coal Prices after 9.1.1986.

## Directors' Report

### 4. Planning

4.1 Annual Action Plan is being drawn for each year as approved by Department of Coal. Performance during 1986-87 against the plan for the year and the plan for 1987-88 are indicated below :

	1986-87		1987-88
	Plan	Actuals	Plan
Production (Million tonnes)	143.50	144.77	158.00
Productivity (OMS tonne)	0.93	0.99	1.02
Plan Expenditure (Rupees in crores)	966.28	980.41	1026.00

The draft 5 year corporate plan for the time frame 1985-90 commensurate with the 7th Plan period was prepared and circulated to all the Subsidiary Companies and other Divisions of CIL. With a view to assess the demand and availability of coal for the terminal year of 7th Plan as projected, the Task Force constituted by Department of Coal in close association with the Subsidiary Companies assessed availability of coal by the terminal years of 7th and 8th Plan and suggested various measures to achieve the level of production.

Minewise annual capacity (separately for UG & OC) was assessed as on 1.4.1986 and capacity

utilisation is being planned for each subsidiary. As part of MID-TERM COAL EFFICIENCY IMPROVEMENT PROGRAMME (1985-90) an exercise was carried out on man-power planning to assess unitwise and yearwise requirement of man-power in respect of each subsidiary company upto 1989-90.

### 4.2 Telecommunication and Computerisation

During 1986-87, 44 Computers were installed in CIL and its Subsidiaries. Side by side exposure courses were organised and altogether 125 executives were trained. Computer language and



Computerisation

## Directors' Report

systems analysis were also organised. During 1987-88 there is a plan to instal as many as 136 Computers. A training programme consisting of exposure training, users' training and professional training has been drawn up for 1641 employees of the Company.

As a part of computerisation programme for various decision centres, CIL has developed a system design for improvement of Inventory Management System regarding "A" items of inventory. A system design has also developed for daily production management. A draft agreement was also signed between CIL and CMC Ltd. for COAL NET/COMPUTER NET WORKING. CIL also carried out development of Project Management System (PMS), Personnel Information System (PIS) and Equipment Information System (EIS).

Firm demand to carry out the Satellite Communication Plan Phase-I [Satellite (COAL NET) Phase-I] was placed under Satellite Project Cell, Department of Telecommunication, New Delhi.

### 4.3 Geological Exploration & Drilling

During the year 1986-87 a total of 353863 mtrs. of drilling was carried out in 104 blocks (including production support drilling) spread over 26 coalfields in the States of West Bengal, Bihar, Orissa, M.P., Maharashtra and Assam.

The task was carried out by CMPDIL in association with other agencies i.e. MECL, State Govt. and private parties. Additionally 8,645 mtrs. of drilling and 1767 mtrs. of reaming for large diameter bore holes were also carried out for colliery development works, High Resolution Seismic Survey studies, Hydrogeological studies, foundation holes and dewatering holes etc.. Average number of drills deployed were 195 drills comprising 45 by CMPDIL, 94 by MECL, 37 by private parties and 19 by State Govt.. Overall productivity of the drills was 151 metres per drill per month in 1986-87 as compared to 144 mtrs.



per drill per month during last year. Productivity of operational drills of CMPDIL registered 12.5% rise from 224 mtrs. per drill per month to 252 mtrs. per drill per month. During the year under review 38 geological reports/notes/appraisals were prepared based on which a total of 4100 million tonnes of reserve were estimated of which 3627 million tonnes were under the "Proved Category". Of the total reserve estimated, 2367 million tonnes were quarriable.

Exploration activities were mainly directed towards proving of metallurgical coal resources in Jharia, Sohagpur and Kanhan valley Coalfields

## Directors' Report

and quarriable coal resources suitable for power generation in the Rajmahal, North Karanpura, Singrauli, Korba, IB and Talcher Coalfields. Emphasis was also laid on proving good quality non-coking coal in the Ranigunj and other coalfields.

### 4.4 Research & Development

CMPDIL, a Subsidiary of Coal India Limited has been entrusted with the function of co-ordination and monitoring of coal research and development projects in coal sector funding through Science and Technology grant of Department of Coal. 72 Projects were under implementation during the year by 20 Agencies/Institutions. Research and Development Projects under Coal Sector covers mining technology, allied engineering such as coal exploration, coal beneficiation, coal utilisation, safety and environmental engineering. A sum of Rs. 250.63 lakhs was disbursed amongst the various implementation Agencies during the year. Nine Projects were successfully completed during the year. The major achievements during the year in the fields of research and development were as follows :

- (i) Based on extensive R & D works the Solomon's formula has been modified to take into account properties of Indian coal and strata for optimum design of pillar and barriers.
- (ii) The efficiency of system of combating mine

fires by Carbon dioxide and inert gas infusion has been successfully designed, developed and tried. Nitrogen gas infusion plant has been commissioned during the year at Lodna colliery.

- (iii) A portable rock tester was designed and developed which can determine physico-mechanical property of strata for the rock chips obtained during exploratory driving.
- (iv) Methodology for predicting in-flow of water based on hydrogeological investigation was developed leading to extraction of coal in area hitherto considered unworkable with caving of super-incumbent strata.

### 4.5 Modernisation In Coal Industry

The following reports were completed during 1986-87 :

- (i) Report on Energy Model for Planning Commission.
- (ii) Report on Men and Material transport system for Moonidih Colliery of BCCL and Churcha Colliery of SECL.
- (iii) Techno-economic studies for selection of Shovel-Dumper Combination and Dragline.
- (iv) Workshop support system for open cast Project in CIL.

### 4.6 Project Formulation

During the year CMPDIL prepared 33 numbers of long-term mining projects contributing to ultimate



Underground mine with steel supports.

# Directors' Report

capacity of 46.23 million tonnes per year. 12 numbers of RPR/RCS for on-going projects were also prepared.

## 4.7 Quality Improvement

A number of projects have been taken up for quality improvement to make available good quality of coal for Steel Plants and Power Houses. For removing extraneous materials ROM JIG is being introduced. The first deshaling/destoning Plant is being installed at Bina (NCL) and seven other locations have been identified. For beneficiating non-coking coal, methods like big size coal jigging, photometric sorter and dry shell extractor are proposed to be experimented. A modular washery will soon be installed at Lodna to try out cheaper method of beneficiation without lowering quality of washed coal.

## 5 Foreign Collaboration

We have already entered into collaboration agreements with U.K., France, F.R.G., USSR and Poland for introducing advanced technology in the coal mining industry for all round technological improvement. Discussions are also in progress with U.K., France, F.R.G., USSR, Poland, Australia, Canada, G.D.R., for new technology both for underground and opencast mine coal exploration,

coal beneficiation, mines shaft sinking, blasting, training of personnel etc.

## 6 World Bank Assistance

Foreign assistance through International Bank for Reconstruction and Development has been made available in respect of Dudhichua Coal Project of NCL and Jharia Coking Coal Project comprising Block-II OCP, Pootkee Bhulihari underground project and Pootkee Washery of B.C.C.L.

Besides above, proposals for loan assistance for the following Projects were also considered by the World Bank :

- (a) Gevra Expansion OCP (WCL)
- (b) Sonapur Bazari OCP (ECL)

## 7 Coal Marketing

**7.1 Demand and Off-take of Coal** – Demand of 154.72 million tonnes of Coal was assessed for 1986-87. Against this demand actual off-take was 141.65 million tonnes showing a demand satisfaction of 91.6% compared to 93.6% demand satisfaction in the previous year. Sectorwise demand and off-take together with percentage satisfaction for 1985-86 and 1986-87 are tabled below :

(Figures in million tonnes of raw coal)

Sector	1985-86			1986-87		
	Demand	Off-take	% Satisfaction	Demand	Off-take	% Satisfaction
Steel	25.96	20.30	78.2	25.51	19.11	74.9
Power	63.52	65.03	102.4	73.21	71.26	97.3
Loco	7.96	7.91	99.4	7.20	6.83	94.8
Cement	6.18	6.00	97.1	6.64	6.46	97.3
Soft Coke	3.10	2.29	73.8	3.60	2.04	56.7
Fertiliser	4.50	3.56	79.1	4.35	3.66	84.1
Export	0.20	0.22	110.0	0.20	0.16	80.0
BRK & Others*	32.74	29.61	90.4	34.01	32.13	94.5
<b>Total</b>	<b>144.16</b>	<b>134.92</b>	<b>93.6</b>	<b>154.72</b>	<b>141.65</b>	<b>91.6</b>

\* Including Colliery consumption.

## Directors' Report

The demand satisfaction for power sector was 97.3% compared to 102.4% of previous year. Demand satisfaction for Loco, Steel Plants and Cement Sectors were 94.8%, 74.9% and 87.3% respectively. The average stock position of Power Houses, Cement Plants and Steel Plants was 48.11 lakh tonnes, 7.82 lakh tonnes and 5.57 lakh tonnes with average daily consumption of 27 days, 22 days and 16 days respectively. In case of Steel Plants the demand satisfaction was less due to less off-take and increased import of Coal by the Steel Plants.

### 7.2 Despatches

The overall despatches of Coal and Coke went up from 126.84 million tonnes in 1985-86 to 133.43 million tonnes in 1986-87, resulting in increase of 5% over the previous year. The total Rail despatches went up to 89.91 million tonnes during 1986-87 as against 85.65 million tonnes for 1985-86 representing an increase of 5% over previous year. The stress now is for more rail despatches. Road despatches are restricted to

avoid misuse. There is Coal Glut in the market except for high quality coal. There is no scarcity or distress for the coal and the payment of premia has come down. There was significant improvement in loading of Wagons during the year under review. The average loading of wagons works out to 11248 wagons per day showing an average increase of 450 wagons per day. The daily average offer by Colliery was for 12006 wagons per day as against the daily average target of 12669 wagons per day. However, the allotment of wagons from the Railways did not match with the offer received from the collieries. The average actual allotment and average actual supply of wagons works out to 11791 wagons and 11455 wagons per day respectively. Compared to previous year, there has been some improvement in average wagon supply by 439 wagons per day. The total despatches of coal and coke by various means of transportation during 1985-86 and 1986-87 are tabulated below :

(Figures in million tonnes)

Mode of Transport	1985-86	1986-87	Increase	
Rail*	85.65	89.91	(+)	4.26
Road*	24.80	24.38	(-)	0.42
Ropeways	2.69	4.01	(+)	1.32
Belt	5.04	5.63	(+)	0.59
Own arranged Wagons (MGR)	8.66	9.50	(+)	0.84
Total	126.84	133.43	(+)	6.59

\* excluding internal despatches.



## *Directors' Report*

### 7.3 Stockyards

66 Stockyards were in operation in 1986-87 as against 80 in the previous year. The total receipt of Coal and Coke at the Stockyards during 1986-87 was 10.35 lakh tonnes as against 11.42 lakh tonnes during 1985-86. As a result, sales from Stockyards had come down to 9.38 lakh tonnes during the year compared to 10.95 lakh tonnes during the previous year. Stock held by the Stockyards at the end of the year was 1.61 lakh tonnes as against 0.92 lakh tonnes at the end of previous year.

### 7.4 Stock of Coal

Stock of Coal at the end of the year stood at 27.31 million tonnes as compared to 25.80 million tonnes of previous year. Thus, stock has gone up by 1.51 million tonnes during the year under review. Companywise stock position as on 31.3.1986 and 31.3.1987 together with increase and decrease in stock is indicated below :



Loaded wagons ready for despatch

(Figures in million tonnes)

Stock of Coal	Stock as on		Variation	
	31.3. 86	31.3.87		
ECL	4.53	4.53	—	
BCCL	4.17	5.66	(+)	1.49
CCL	8.30	9.16	(+)	0.86
WCL	1.32	1.07	(-)	0.25
NCL	0.90	1.09	(+)	0.19
SECL	6.33	5.47	(-)	0.86
NEC	0.25	0.33	(+)	0.08
Total	25.80	27.31	(+)	1.51

## Directors' Report

### 8. Safety

A committee for safety measures was constituted in each Subsidiary including NEC and action plans were drawn in line with important recommendations of 6th Conference on Safety in Mines which were being duly monitored at Area/Hqrs. and CIL. Intensive and sustained

training was also being imparted to the workers in day to day safety measures to implement the aforesaid action plans properly.

The Companywise position of fatal accidents and fatalities as well as serious injuries during the year 1985-86 and 1986-87 is tabled below :

	Fatal Accidents		Fatalities		Serious	Injuries
	1985-86	1986-87	1985-86	1986-87	1985-86	1986-87
ECL	28	32	30	35	41	61
BCCL	35	35	42	44	183	164
CCL	19	16	21	17	40	23
NCL	—	6	—	6	—	8
WCL	39	18	42	22	276	157
SECL	—	28	—	31	—	97
NEC	4	1	5	1	4	5
Total	126	136	140	156	544	515

Note : Previous year figures for NCL & SECL are included in CCL & WCL.



Supporting roof with steel props in an underground mine

## Directors' Report

### 9. Human Resource Development & Training

Total manpower of your Company and its Subsidiaries has gone up to 675115 as on

31.3.1987 from 671962 as on 31.3.1986 mainly due to take-over of CMLWO staff from 1.10.1986 and recruitment in skilled/supervisory categories :

	Execu- tives	Super- visory/ Clerical	Skilled/Semi- skilled/Unskilled workers	Not cate- gorised	Total
	1	2	3	4	5
ECL					
31.3.86	2809	20864	167137	—	190810
31.3.87	2913	20588	164327	983	188811
BCCL					
31.3.86	2990	17336	151345	—	171671
31.3.87	3054	17724	152028	783	173589
CCL					
31.3.86	2499	12077	90787	—	105363
31.3.87	2643	11793	90546	194	105176
WCL					
31.3.86	1343	7172	71293	—	79808
31.3.87	1348	7732	70913	96	80089
NCL					
31.3.86	501	1716	7735	—	9952
31.3.87	646	1864	7977	4	10491
SECL					
31.3.86	1784	9766	92779	—	104329
31.3.87	1966	10838	93095	1	105900
NEC					
31.3.86	84	648	4638	—	5370
31.3.87	87	548	4795	—	5430
CMPDIL					
31.3.86	904	839	1572	—	3315
31.3.87	984	887	1893	—	3764
APPRENTICES					
31.3.87				430	430
CIL HQRS.					
31.3.86	287	777	280	—	1344
31.3.87	313	862	257	3	1435
Total CIL					
31.3.86	13201	71195	587566	—	671962
31.3.87	13954	72836	585831	2494*	675115

\* Includes 504 CMLWO employees and Apprentices not shown by Companies.

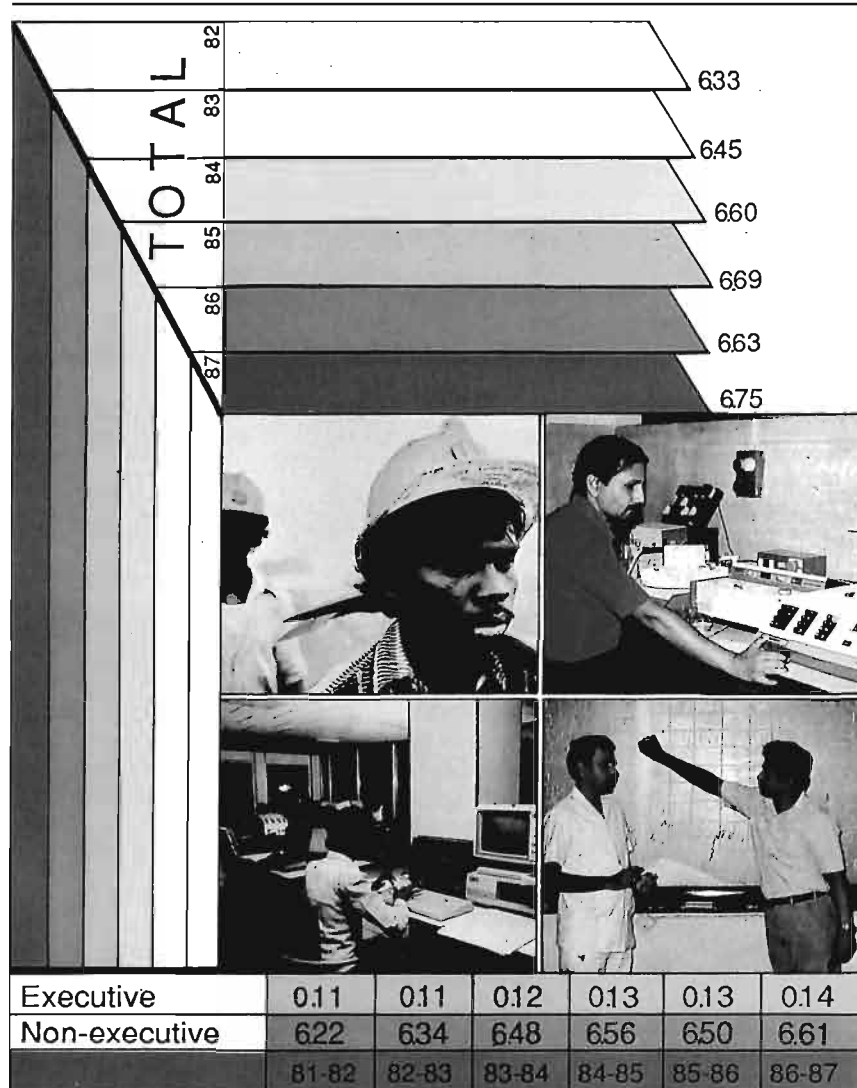
Note : (i) Casual, Badli and Trainees are included in total strength (Previous year figures are suitably adjusted.)

(ii) CMLWO and other employees taken over have not been categorised as they have not yet been brought over to CIL's scale of pay.



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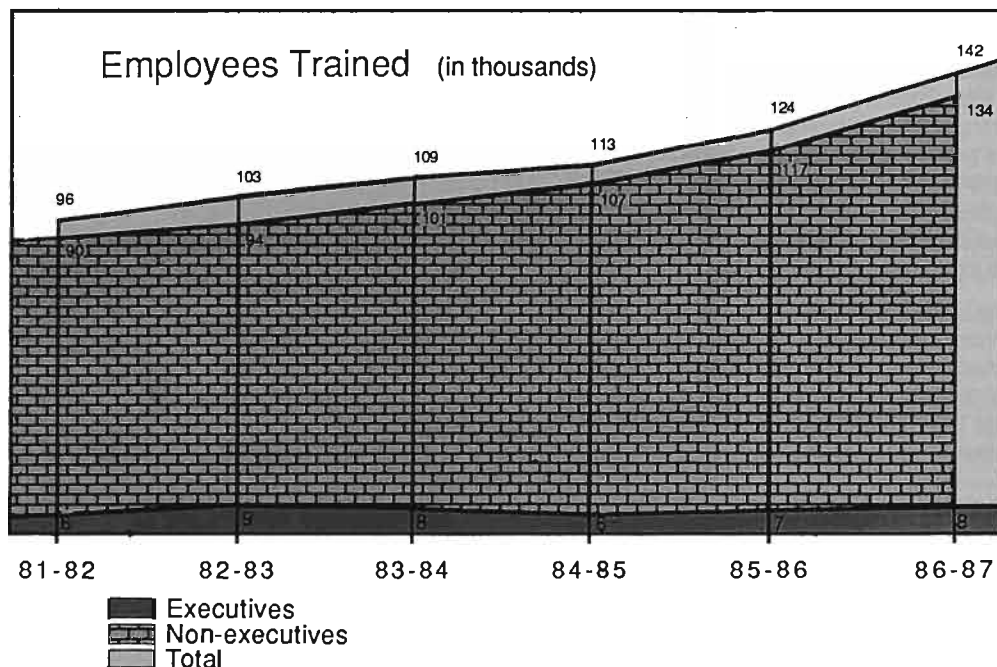
## *Directors' Report*

10. During the year under review, major thrust in training and development activities to meet the shortage of skilled and highly skilled personnel in all disciplines as in the previous years continued. Arrangements were also made for training abroad in a wide range of technologies particularly in respect of operation and maintenance of highly sophisticated underground and opencast equipment to cope with our modernisation programme.

Special efforts had also been made to develop in-house technical training institute/facilities for providing necessary training. The details of training and development activities during the year 1985-86 and 1986-87 are indicated below :-

Category	No. of persons trained	
	1985-86	1986-87
Executives	6999	8507
Supervisor	8360	8148
Workers/Miners	106602	122815
Trainees	2028	2740
<b>Total</b>	<b>123989</b>	<b>142210</b>
<b>In-Company training</b>		
Executives	5588	7158
Supervisors	8066	7855
Workers/Miners	106029	122193
<b>Total</b>	<b>119683</b>	<b>137206</b>
<b>External (within India)</b>		
Executives	1299	1259
Supervisors	287	282
Workers/Miners	568	614
<b>Total</b>	<b>2154</b>	<b>2155</b>
<b>External (Abroad)</b>		
Executives	112	90
Non-excutives	12	19
<b>Total</b>	<b>124</b>	<b>109</b>

## Directors' Report



### 11. Industrial Relations

During the year under review, labour relations continued to be cordial. The number of strikes and incidence of law and order has gone down as compared to previous year. Subsidiarywise number of strikes, law and order disturbances, mandays lost and loss of Coal production are indicated below :

	No. of Strikes		Law & order disturbances (No. of incidents)		Mandays lost (lakhs)		Coal Production loss (lakh tonnes)	
	85-86	86-87	85-86	86-87	85-86	86-87	85-86	86-87
ECL	23	13	113	92	0.98	0.07	0.52	0.06
BCCL	46	17	178	80	0.27	0.25	0.36	0.34
CCL	21	9	63	64	0.07	0.05	0.30	0.11
NCL	—	—	—	15	—	0.09	—	0.24
WCL	14	9	64	13	0.20	0.21	0.31	0.28
SECL	—	7	—	46	—	7	—	0.14
CMPDIL	1	—	—	—	—	—	—	—
<b>Total</b>	<b>105</b>	<b>55*</b>	<b>418</b>	<b>310</b>	<b>1.52</b>	<b>0.74</b>	<b>1.49</b>	<b>1.17</b>

\* General Strikes on 9.4.96 and 21.1.87 not included.

The mandays lost and loss of production due to two General Strikes on 9.4.1986 and 21.1.1987 were 6.11 lakh mandays and 4.65 lakh tonnes of Coal production. It may be mentioned that the General Strikes on these two days had nothing to do with industrial relations problems pertaining to Coal Companies alone.

## Directors' Report

### 12. Environmental Management and Social Amenities

Sustained efforts were made during the year to provide more welfare and social amenities by constructing more hospital buildings, water supply arrangements and also providing more medical and educational facilities, the position of which is indicated in the table given below :

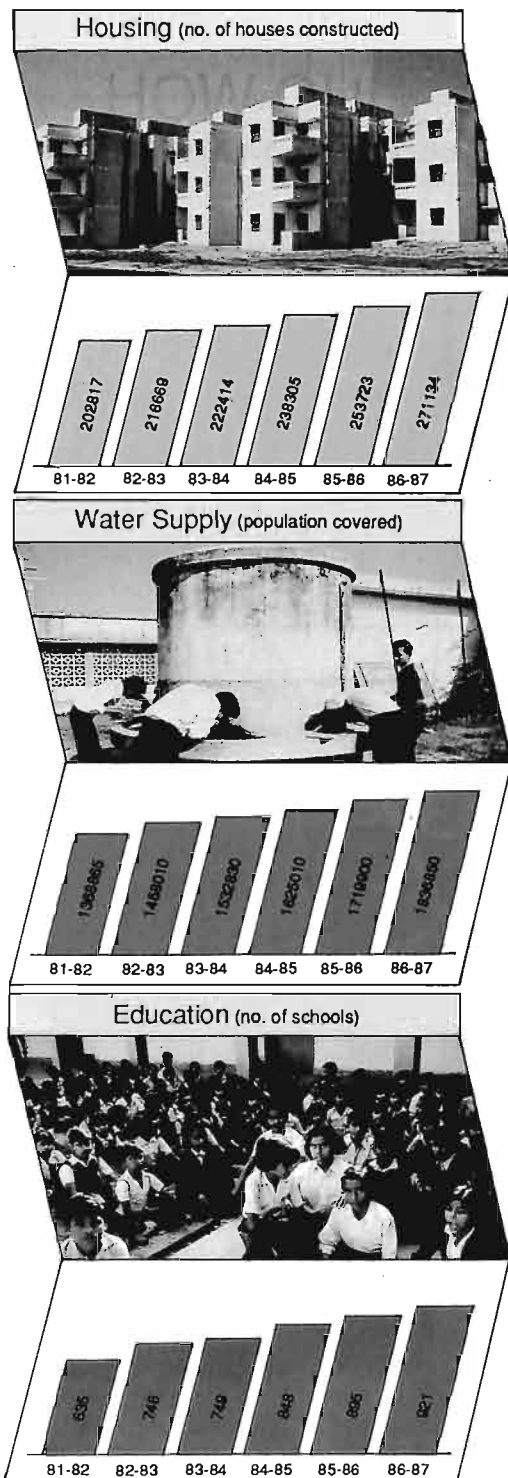
Amenities	Units	1985-86	1986-87
1. Houses	Addl. construction	15418	17411
2. Water supply	Addl. population covered	94890	116950
3. School/College	Actual number	895	921
4. Co-operative Credit Societies	-do-	153	153
5. Co-operative Stores	-do-	180	180
6. Banks	-do-	179	202
7. Ambulance	-do-	485	523
8. Hospitals	-do-	67	67
9. Hospital Beds	-do-	4163	4366
10. Creches	-do-	210	219
11. Canteens	-do-	340	371

During the year under review Coal India Welfare Board was formed. To foster sports and games at Company and CIL level a Sports Control Board was also formed during the year.



A doctor examining a cardiac patient

## Directors' Report



### 13. Capital Projects/Schemes

Presently 152 Coal Mining Projects, each having an investment of Rs. 5 crores and above with the total sanctioned capital outlay of Rs. 5579.78 crores and ultimate production capacity of 179.01 million tonnes per year are in various stages of construction and completion. Besides, these Coal Mining Projects, three Washery Projects, four other Projects (LTC Plant at Dankuni, Fire Projects and two advance action for Mining Projects) are under different stages of construction.

During the year under review, your Board sanctioned/approved 26 Projects/ Schemes (including revision/expansion). Company-wise details of projects and Schemes sanctioned/ approved during the year are given below :

	Projects (New)	Expansion/ Revision Projects	Others	Total
ECL	2	1	2	5
BCCL	1	—	1	2
CCL	2	1	3	6
NCL	—	1	—	1
WCL	1	2	2	5
SECL	1	1	5	7
<b>Total</b>	<b>7</b>	<b>6</b>	<b>13</b>	<b>26</b>

Nine projects are pending, with Govt. for sanction (ECL-2, CCL-4, SECL-3)



## Directors' Report

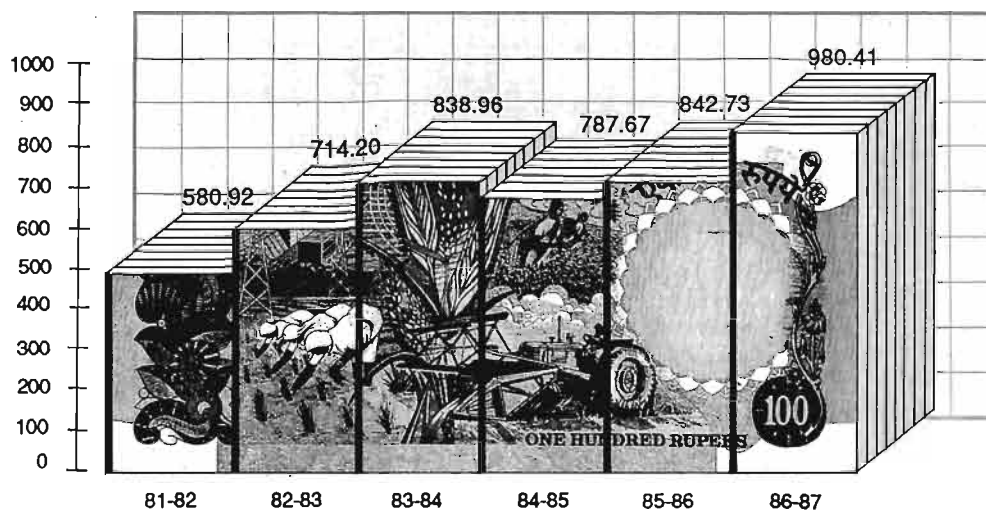
### 14. Capital Expenditure

Payments made on Capital Account during 1986-87 was Rs. 980.41 crores as against Rs. 842.73 crores paid during the previous year. Company/ Division-wise details are given below :

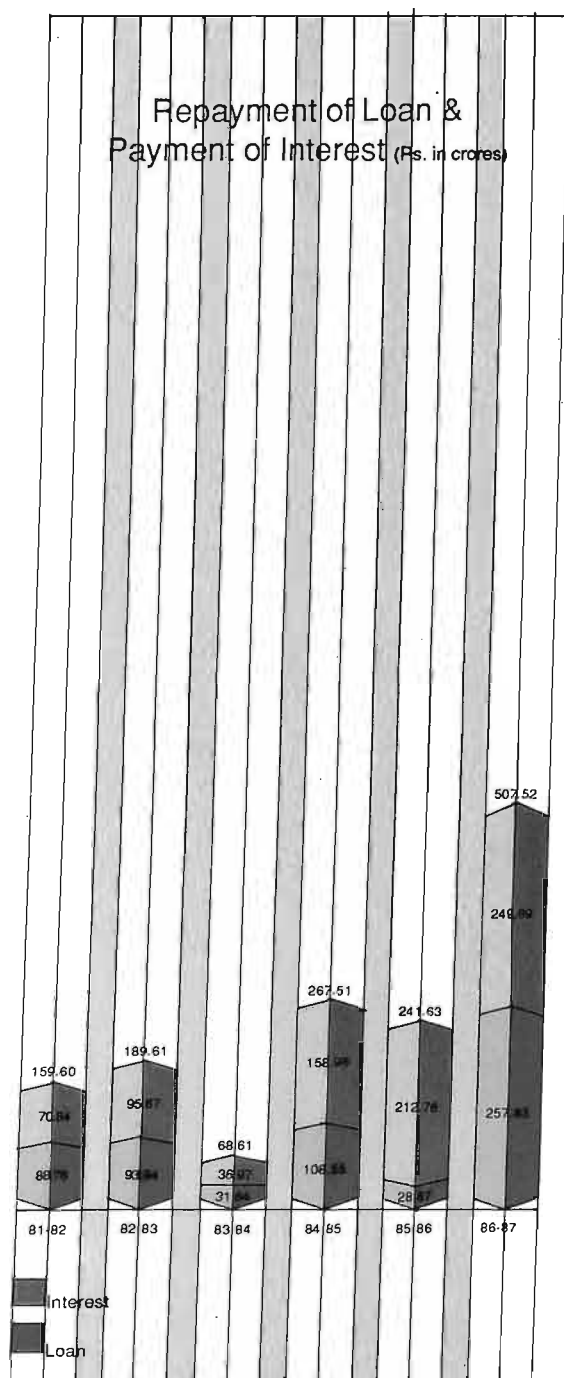
(Rupees in crores)

	1985-86	1986-87
ECL	137.18	156.26
BCCL	166.62	170.35
CCL	115.09	118.05
WCL	130.71	122.02
NCL	100.56	186.59
SECL	164.00	189.77
CMPDIL	5.42	9.19
NEC	6.57	6.49
DANKUNI COAL COMPLEX	15.51	20.31
CIL (Hqrs.) (including purchases on behalf of Subsidiaries pending allocation).	1.07	1.38
<b>Total</b>	<b>842.73</b>	<b>980.41</b>

### Capital Expenditure (Rs. in crores)



# Directors' Report



## 15. Capital Structure

The authorised, subscribed and paid up capital of the Company as on 31.3.1987 were Rs. 5,000.00 crores and Rs. 3559.50 crores (including Rs. 246.53 crores issued to the Govt. of India for consideration other than cash and Rs. 51.80 crores due to the Govt. of India are to be adjusted against issue of Shares). Total investment by Govt. as on 31.3.87 was Rs. 6275.12 crores.

	Rs. crores
Paid up Share Capital	3559.50
Plan Loan	2272.58
Non-plan loan	443.04
<b>Total</b>	<b>6275.12</b>

## 16. Borrowing from Govt. of India

During the year a sum of Rs. 507.52 crores was paid to the Govt. of India towards repayment of plan loan and interest as against Rs. 241.63 crores in the previous year.

	Rs. crores	
	1985-86	1986-87
Repayment of loan during the year	28.87	257.83
Payment of interest during the year	212.76	249.69
<b>Total</b>	<b>241.63</b>	<b>507.52</b>

## 17. Payment of Royalty, Cess & Sales Tax

The Company and its Subsidiaries paid Central and State Govt. Rs. 730.32 crores towards Royalty, Cess and Sales Tax as against last year's figure of Rs. 615.17 crores. The break-up of Royalty, Cess and Sales Tax payments for 1985-86 and 1986-87 is indicated below :

	(Rupees in crores)	
	1985-86	1986-87
Royalty	67.96	68.53
Cess	418.92	522.18
Sales Tax (State & Central)	128.29	139.61
<b>Total</b>	<b>615.17</b>	<b>730.32</b>

## Directors' Report

### 18. NCWA -IV and Interim Relief to Executives and Non-Executives

The term of the National Coal Wage Agreement-III expired on 31.12.1986. Pending settlement of NCWA-IV under negotiation and revision of Executive salaries, interim relief has been sanctioned by Government. The impact assessed and provided for in 1986-87 includes the impact for 1.1.86 to 31.3.86 (total impact for 15 months Rs. 198.47 crores).

### 19. BICP Studies for Normative Cost

All the required information has been submitted and explained to BICP. The heavy impact of interim relief both for executives and non-executives and escalation in other inputs have also been brought to the notice of BICP. It is understood that BICP has since submitted its report to the Government.

### 20. Board of Directors

During the year under review Shri G. L. Tandon continued as Chairman, CIL and the whole-time Directors, S/Shri B. Swaminathan, K. A. Sinha, A. V. Brahma were appointed as Director (F), Director (T), Director (P) respectively. During the period since the last Annual General Meeting S/Shri S. N. Singh, R. G. Mahendru, B. R. Prasad, P. N. Abbi, A. Bhatnagar, J. C. Lynn, G. P. Rao, Directors, retired from the Board while S/Shri V. Krishnan, R. S. Sane, T. T. Joseph, M. Jha, T. R. Jayaraman, J. D. Rai, J. N. Uppal, V. Govinda Rajan, R. D. Roy were appointed as Directors on the Board.

During the year 1986-87 ten Meetings of the Board of Directors were held. In terms of Article 33 (d) (iii) of the Articles of Association of the Company all the Directors excepting Chairman and whole-time Directors shall retire at the 13th Annual General Meeting of the Company.

### 21. Accounts of the Subsidiaries

The Accounts of the Subsidiaries are placed in Vol. II of Annual Report and Accounts for 1986-87.

### 22. Acknowledgement

Your Directors sincerely appreciate the contribution made by the employees at all levels in your Company and its Subsidiaries and are confident that the employees would continue to strive hard to improve performance in the years to

come. Your Directors also wish to place on record their sincere thanks for the support and guidance received from the various departments of the Central Government particularly the Department of Coal as also State Government and other Agencies, the services rendered by the Statutory Auditors and Officers and Staff of the Comptroller and Auditor General of India.

### 23. Addenda

The following papers are annexed.

- (i) The comments and review of the Comptroller and Auditor General of India.
- (ii) Replies to observations made by the Statutory Auditors on the Accounts for the year ended 31st March, 1987.
- (iii) Statement pursuant to Section 212(i) (e) of the Companies Act, 1956.
- (iv) The names and other particulars of the employees of the Company who are in receipt of remuneration of not less than Rs. 3000/- per month are stated in the annexure in compliance with the provisions of Section 217(2A) of the Companies Act, 1956 read with the Companies (particulars of employees) Rules 1975.

for and on behalf of the  
Board of Directors

Dated : 23rd Nov, 1987  
Calcutta

G. L. Tandon  
Chairman

## MAJOR COALFIELDS WORKED BY CIL

1. Ranigunj
2. Jharia
3. East Bokaro and West Bokaro
4. Pench-Kanhan, Tawa Valley
5. Singrauli
6. Talcher
7. Chanda-Wardha



CIL-Coal India Ltd., Calcutta  
 ECL-Eastern Coalfields Ltd., Sanctoria (Asansol)  
 BCCL-Bharat Coking Coal Ltd., Dhanbad  
 CCL-Central Coalfields Ltd., Ranchi  
 WCL-Western Coalfields Ltd., Nagpur  
 NCL-Northern Coalfields Ltd., Singrauli  
 SECL-South Eastern Coalfields Ltd., Bilaspur  
 CMPDIL-Central Mine Planning and Design Institute, Ranchi

# BALANCE SHEET

As at 31st March, 1987

				(Rupees in lakhs)	
Sources of Fund	Schedules	Current year		Previous year	
Shareholders Fund					
Share Capital	A	350769.55		294269.55	
Amount and/or consideration received against equity pending allotment	B	5180.26		6961.56	
Reserve & Surplus	C	<u>344.77</u>	356294.58	<u>411.67</u>	301642.78
Loan Fund					
Secured	D	13613.31		3052.73	
Unsecured	E	<u>299364.75</u>	<u>312978.06</u>	<u>286964.11</u>	<u>290016.84</u>
<b>Total Funds Employed</b>			<b><u>669272.64</u></b>		<b><u>591659.62</u></b>
Application of Funds					
Fixed Assets	F				
A. Fixed Assets					
Gross Block		4830.76		4139.20	
Less : Depreciation		<u>1542.93</u>	3287.83	<u>1183.83</u>	2955.37
B. Capital work-in-progress			5519.65		3578.07
C. Expenditure during construction period			1764.27		1285.02
Investments	G		255238.37		164800.56
Current Assets, Loans & Advances					
Inventories	H	2257.00		1714.74	
Sundry Debtors	I	533.09		456.10	
Cash & Bank Balances	J	475.60		300.29	
Loans & Advances	K	<u>409980.74</u>		<u>417702.49</u>	
		413246.43		420173.62	
Less : Current Liabilities & Provision	L	<u>20601.66</u>		<u>11795.96</u>	
Net Current Assets			392644.77		408377.66
A. Miscellaneous Expenditure (to the extent not written off or adjusted)	M	214.50		275.82	
B. Profit & Loss Account		<u>10603.25</u>	<u>10817.75</u>	<u>10387.12</u>	<u>10662.94</u>
			<b><u>669272.64</u></b>		<b><u>591659.62</u></b>
Accounting Policy and Notes to the Accounts are forming part of the Accounts	N				

P.B. Dutta  
Dy. Company Secretary

B. Swaminathan  
Director (Finance)

G.L. Tandon  
Chairman

As per our separate report of even date  
For S. Bhaumik & Co.  
Chartered Accountants.

Calcutta,  
Dated, the 12th November, 1987

S.C. Banerjee  
Partner



# Profit & Loss Account

for the year ended 31st March, 1987

		(Rupees in lakhs)	
Income	Schedules	Current year	Previous year
Sale of Coal, Coke etc.	1	8157.11	8014.04
Coal issued for other purposes per contra	2	120.26	83.67
Other Receipts	3	7215.84	6608.15
Accretion in Stock	4	672.66	336.48
Contribution from Coal Price Regulation Account		—	64.31
		<b>16165.87</b>	<b>15106.65</b>
<b>Expenditure</b>			
Purchase of Coal, Coke etc.		3634.85	3418.41
Employees Remuneration & Benefits	5	1769.89	1498.14
Consumption of Stores & Spare Parts	6	337.53	275.91
Power & Fuel	7	175.39	112.98
Repairs (Purchased)	8	187.04	194.87
Contractual Expenses	9	1476.33	1310.02
Social Overhead	10	260.42	204.22
Depreciation		314.79	283.74
Interest	11	6536.74	6116.85
Provision	12	45.63	0.50
Contribution to Coal Price Regulation Account		360.75	—
Other Expenditure	13	1293.03	1063.37
Prior Period Adjustment	14	(-) 10.39	45.23
		<b>16382.00</b>	<b>14524.24</b>
Profit/Loss for the year		(-) 216.13	582.41
Less : Balance of loss carried forward from previous year		(-) 10387.12	(-) 10581.43
Transferred to :			
Investment Allowance		—	(-) 344.77
Stock Deterioration Reserve		—	(-) 43.33
Balance of loss transferred to Balance Sheet		<b>10603.25</b>	<b>10387.12</b>

P.B. Dutta  
Dy. Company Secretary

B. Swaminathan  
Director (Finance)

G.L. Tandon  
Chairman

As per our separate report of even date  
For S. Bhaumik & Co.  
Chartered Accountants.

Calcutta,  
Dated, the 12th November, 1987

S.C. Banerjee  
Partner



## Schedule to Balance Sheet as at 31st March, 1987

Schedule-A	(Rupees in lakhs)	
	Current year	Previous year
<b>Share Capital</b>		
<b>Authorised Capital</b>		
5,00,00,000 Equity Shares of Rs. 1000/- each (Previous year		
3,00,00,000 Equity Shares of Rs. 1000/- each)	<u>500000.00</u>	<u>300000.00</u>
<b>Issued, Subscribed &amp; Paid Up</b>		
3,26,11,690 Equity Shares of Rs. 1000/- each fully paid in Cash		
(Previous year 2,69,61,690 Equity Shares of Rs. 1000/- each)	326116.90	269616.90
24,65,265 Equity Shares of Rs. 1000/- each allotted as fully paid		
up for consideration received other than Cash. (Previous year		
24,65,265 Equity Shares of Rs. 1000/- each.)	<u>24652.65</u>	<u>24652.65</u>
	<u>350769.55</u>	<u>294269.55</u>

## Schedule-B

### Amount and/or Consideration Received Against Equity Pending Allotment

Fund from Government of India towards Equity	1300.00	4800.00
Other Funds from Government of India For Land Compensation	2285.47	1607.51
For fund received by BCCL for the Management of non-Coking Coal Mines	155.95	155.95
Consideration payable to Government of India		
For net Assets taken over from Central Coal Washeries Organisation	1040.74	—
For balances as on 1.5.1973 in respect of non-Coking Coal Mines	361.95	361.95
For vesting of ex-State Collieries	36.14	36.14
For Assets taken over from ex-Coal Board	<u>0.01</u>	<u>0.01</u>
	<u>5180.26</u>	<u>6961.56</u>

## Schedule to Balance Sheet as at 31st March, 1987

### Schedule-C

(Rupees in lakhs)

	Current year		Previous year	
<b>Reserve &amp; Surplus</b>				
Capital Reserve				
Subsidy received for CMLWO Houses	23.57		23.57	
Less : Adjustment	<u>23.57</u>	-	<u>-</u>	23.57
General Reserve				
Investment allowance	344.77		344.77	
Reserve for deterioration due to fire and longer period of Stocking of Coal, Coke etc.	43.33		43.33	
Less : Adjustment	<u>43.33</u>	-	<u>-</u>	43.33
	<b><u>344.77</u></b>		<b><u>411.67</u></b>	

### Schedule-D

#### Secured Loans

Cash Credit from Scheduled Banks (Secured by Hypothecation of Stock of Stores & Spare Parts, Stock of Coal & Coke, Book Debts & Other Assets)

State Bank of India	12675.49		2324.06	
United Bank of India	<u>937.82</u>	<u>13613.31</u>	<u>728.67</u>	<u>3052.73</u>
		<b><u>13613.31</u></b>		<b><u>3052.73</u></b>

### Schedule-E

#### Unsecured Loans

Long Term Loan from Govt. of India	271562.34		252837.27	
Interest accrued and due	<u>27802.41</u>		<u>34126.84</u>	
	<b><u>299364.75</u></b>		<b><u>286964.11</u></b>	



# Schedule to Balance Sheet as at 31st March, 1987

## Schedule-F

### Fixed Assets

(Rupees in lakhs)

Particulars	Cost				Depreciation				Net Block total	
	As on 1.4.1986	Addn. during the year	Add / Less / Adj disposal trans- ferred during the year	Total as on 31.3.1987	As on 1.4.1986	Addn. during the year	Adj / Disposal transfer during the year	Total as on 31.3.1987	As on 31.3.1987	As on 31.3.1986
Land : Freehold	167.75	—	— 3.90	163.85	—	—	—	—	163.85	167.75
Land : Leasehold	3.98	3.64	—	7.62	0.07	0.08	0.04	0.19	7.43	3.91
Buildings : Freehold	672.82	178.28	9.19	860.29	89.50	38.68	0.79	128.97	731.32	583.32
Plant & Machinery	2280.55	168.47	1.55	2450.57	841.94	241.16	0.33	1083.43	1367.14	1438.61
Furniture, Fittings & Office Equipment	166.73	35.17	0.71	202.61	35.26	10.37	— 0.86	44.77	157.84	131.47
Railway Siding	11.77	42.03	—	53.80	4.99	2.94	—	7.93	45.87	6.78
Vehicles	67.74	19.18	0.57	87.49	19.83	7.24	0.53	27.60	59.89	47.91
Aircraft	8.50	93.94	—	102.44	4.49	10.81	—	15.30	87.14	4.01
Development	694.30	99.43	—	793.73	183.77	37.48	4.07	225.32	568.41	510.53
Prospecting & Boring	65.06	43.31	— 0.01	108.36	4.00	5.42	—	9.42	98.94	61.06
<b>Total</b>	<b>4139.20</b>	<b>683.45</b>	<b>8.11</b>	<b>4830.76</b>	<b>1183.85</b>	<b>354.18</b>	<b>4.90</b>	<b>1542.93</b>	<b>3287.83</b>	<b>2955.35</b>
Expenditure during Construction Period awaiting allocation	1285.02	533.38	— 54.13	1764.27	—	—	—	—	1764.27	1285.02
Capital Work-in-Progress	3578.07	1954.25	— 12.67	5519.65	—	—	—	—	5519.65	3578.07
<b>Grand Total</b>	<b>9002.29</b>	<b>3171.08</b>	<b>— 58.69</b>	<b>12114.68</b>	<b>1183.85</b>	<b>354.18</b>	<b>4.90</b>	<b>1542.93</b>	<b>10571.75</b>	<b>7818.44</b>
<b>Previous Year</b>										
Other Fixed Assets	3390.97	748.35	— 0.12	4139.20	865.62	318.20	0.01	1183.83	2955.37	2525.35
Expenditure during Construction period awaiting allocation	899.48	385.54	—	1285.02	—	—	—	—	1285.02	—
Capital Work-in-Progress	2498.85	1211.19	— 131.97	3578.07	—	—	—	—	3578.07	—
<b>Total</b>	<b>6789.30</b>	<b>2345.08</b>	<b>— 132.09</b>	<b>9002.29</b>	<b>865.62</b>	<b>318.20</b>	<b>0.01</b>	<b>1183.83</b>	<b>7818.46</b>	<b>—</b>

### Reconciliation of Depreciation

	Current year	Previous year
Profit & Loss Account	314.79	283.74
Social Overhead	18.10	13.37
Prior period Adjustment	— 0.27	— 0.34
Transfer to Development	26.42	21.43
Transfer / Sales / Disposal	0.04	—
<b>Total</b>	<b>359.08</b>	<b>318.20</b>

## Schedule to Balance Sheet as at 31st March, 1987

### Schedule-G

#### Investment

	Current year	(Rupees in lakhs) Previous year
51,00,000 fully paid Equity Shares of Rs. 1000/- each in Eastern Coalfields Ltd. (Previous year 37,36,911 Equity Shares of Rs. 1000/- each)	51000.00	37369.11
67,10,354 fully paid Equity Shares of Rs. 1000/- each in Central Coalfields Ltd. (Previous year 66,68,635 Equity Shares of Rs. 1000/- each)	67103.54	66686.35
60,44,074 fully paid Equity Shares of Rs. 1000/- each in Bharat Coking Coal Ltd. (Previous year 35,00,000 Equity Shares of Rs. 1000/- each)	60440.74	35000.00
34,58,000 fully paid Equity Shares of Rs. 1000/- each in Western Coalfields Ltd. (Previous year 24,89,110 Equity Shares of Rs. 1000/- each)	34580.00	24891.10
41,26,000 fully paid Equity Shares of Rs. 1000/- each in Northern Coalfields Ltd. (Previous year Nil)	41260.00	-
9 fully paid Equity Shares of Rs. 1000/- each in South Eastern Coalfields Ltd. (Previous year Nil)	0.09	-
85,400 fully paid Equity Shares of Rs. 1000/- each in CMPDIL (Previous year 85,400 Equity Shares of Rs. 1000/- each)	854.00	854.00
	<u>255238.37</u>	<u>164800.56</u>

## Schedule to Balance Sheet as at 31st March, 1987

### Schedule-H

(Rupees in lakhs)

	Current year		Previous year	
<b>Inventories</b>				
(As valued and certified by the Management)				
Stock of Stores & Spare Parts (at cost)	381.10		445.11	
Less : Provision for slow-moving / non-moving / obsolescence / shortage	<u>12.07</u>		<u>4.04</u>	
	369.03		441.07	
Stores-in-transit (at cost)	<u>21.23</u>	390.26	<u>6.94</u>	448.01
Stock of Coal, Coke etc. (at net realisable value in NEC and at cost in CMO)	1805.50		1188.10	
Less : Provision	<u>91.83</u>		<u>25.45</u>	
	1713.67		1162.65	
Coal, Coke etc.-in transit	<u>141.19</u>	1854.86	<u>84.61</u>	1247.26
Stock of Bricks (at cost)		8.19		9.85
Work-in-progress (at cost)				
In Workshop	2.87		9.14	
In Brick Kilns	<u>0.82</u>	<u>3.69</u>	<u>0.48</u>	<u>9.62</u>
		<u>2257.00</u>		<u>1714.74</u>

## Schedule to Balance Sheet as at 31st March, 1987

### Schedule-I

	Current year	(Rupees in lakhs) Previous year
<b>Sundry Debtors (Unsecured) :</b>		
Debts Outstanding for a period exceeding six months	69.20	244.46
Other Debts	504.15	309.50
	573.35	553.96
Less : Provisions for Doubtful Debts	40.26	97.86
	<b>533.09</b>	<b>456.10</b>
<b>Classification</b>		
Considered good	533.09	456.10
Considered doubtful	40.26	97.86

	Maximum amount due at any time		Closing Balance	
	During Current year	During previous year	Current year	Previous year
Due by the Companies under the same management with the names of the Companies				
CMPDIL	0.09	—	—	0.09
CCL	—	6.67	—	—
Due by the Parties in which the Director(s) of the Companies is/are interested	—	—	—	—

Note : Unsecured Debts considered good include Rs. nil (previous year Rs. nil) in respect of which the Company holds guarantees from Banks.

### Schedule-J

	Current year	(Rupees in lakhs) Previous year
<b>Cash &amp; Bank Balances :</b>		
Cash, Cheques, Drafts, Stamps etc. in hand	119.99	131.12
Remittance in transit	142.98	12.72
In Current Account with Scheduled Banks	210.33	156.44
With Post Office Savings Bank Account	2.30	0.01
	<b>475.60</b>	<b>300.29</b>

# Schedule to Balance Sheet as at 31st March, 1987

## Schedule-K

(Rupees in lakhs)

		Current year		Previous year
<b>Loans &amp; Advances (Unsecured) :</b>				
(Advance recoverable in cash or for value to be received)				
Advances to Suppliers		383.32		342.38
Advances to Contractors				
For Capital Works	1301.66		1371.16	
For Others	14.63	1316.29	3.30	1374.46
Advances to employees				
For House Building	93.19		79.20	
For Motor Car and other conveyance	15.50		11.29	
For others	12.71	121.40	3.81	94.30
Deposits				
For Custom duty & Port charges	226.78		166.64	
For soiled Notes to RBI	0.20		0.50	
For Other Deposits	154.22	381.20	116.59	283.73
Other Advances		947.42		9.89
Amount due from the Government of India				
For transactions on behalf of Ex-owners of Non-Coking Coal Mines	651.52		670.16	
For transactions on behalf of Ex-Coal Board	11.34		11.92	
For interest subsidy on non-plan loan	1551.62		1551.62	
For Stowing Subsidy receivable	141.75		0.25	
For Others	2.77	2359.00	—	2233.95
Claims receivable		189.34		253.73
Prepaid Expenses		13.77		10.43
In Current Account with Subsidiaries of Holding Company		404317.73		413168.65
		410029.47		417771.52
		48.73		69.03
<b>Less : Provision</b>		<b>409980.74</b>		<b>417702.49</b>

## Classification

Considered good	409980.74	417702.49
Considered doubtful	48.73	69.03



## Schedule to Balance Sheet as at 31st March, 1987

### Schedule-K (Contd.)

Amount due to Subsidiary Companies	Maximum amount due at any time during the year		(Rupees in lakhs) Closing Balance	
	Current yr.	Previous yr.	Current yr.	Previous yr.
Eastern Coalfields Limited	117413.51	109109.61	101763.66	102218.77
Bharat Coking Coal Limited	155301.54	139618.88	131791.60	139618.88
Central Coalfields Limited	65260.50	86814.73	4475.57	66523.90
Western Coalfields Limited	99289.70	104098.93	32566.56	104098.94
Northern Coalfields Limited	40000.60	—	40000.60	—
South Eastern Coalfields Limited	92814.00	—	92814.00	—
Central Mine Planning & Design Institute Limited	1051.51	1070.20	905.74	708.16

Notes : (1) Loans & Advances (unsecured) considered good includes Rs. 19.41 lakhs (previous year Rs. 85.17 lakhs) in respect of which the Company holds guarantee from Banks.

(2) House Building and Cars/Scooter advance for Rs. 108.69 lakhs (previous year Rs. 90.49 lakhs) included under Loans & Advances (unsecured) considered good and are secured by equitable mortgages on assets concerned.

### Schedule-L

Current Liabilities & Provisions :	Current year		(Rupees in lakhs) Previous year	
Current Liabilities				
Sundry Creditors				
For Capital including Revenue Stores	556.34		480.48	
For Coal	<u>836.62</u>	1392.96	<u>654.47</u>	1134.95
Advance from Customers		561.86		575.61
Deposits		208.76		136.02
Advance Deposit pre-Nationalisation		182.97		182.97
Employees Remuneration & Benefits :				
Salaries, Wages & Allowances	296.67		92.15	
Attendance Bonus	0.24		0.10	
Ex-gratia	75.05		68.69	
Unpaid Salaries, Wages etc.	<u>1.15</u>	373.11	<u>0.92</u>	161.86
Other Expenses				
Power & Fuel	11.71		0.83	
Contractual Expenses	2.04		—	
Others	<u>70.73</u>	84.48	<u>14.06</u>	14.89





## Schedule to Balance Sheet as at 31st March, 1987

### Schedule-L (Contd.)

			(Rupees in lakhs)	
		Current year	Previous year	
Interest accrued but not due on Government Loan		8513.45	6927.86	
Coal Price Regulation Account	7826.55		2251.79	
Add. Interest accrued but not due	<u>950.00</u>	8776.55	<u>—</u>	2251.79
Sales Tax				
State	53.76		35.22	
Central	<u>1.92</u>	55.68	<u>13.12</u>	48.34
Royalty on Coal		9.93		8.09
Stowing Excise Duty		9.36		6.04
Provident Fund		29.72		15.63
A.E.C.D.		0.11		0.04
Income Tax				
Employees	3.38		1.67	
Contractors	<u>4.30</u>	7.68	<u>3.09</u>	4.76
Professional Tax		0.14		0.12
Other Liability		<u>394.90</u>		<u>326.99</u>
		<u>20601.66</u>		<u>11795.96</u>

### Schedule-M

#### A. Miscellaneous Expenditure

(To the extent not written off or adjusted)

Overburden Removal				
As per last account	275.82		198.51	
Expenditure during the year				
Contractual	<u>815.50</u>	1091.32	<u>692.47</u>	890.98
Less : Adjustment		<u>876.82</u>		<u>615.16</u>
		<u>214.50</u>		<u>275.82</u>

#### B. Profit & Loss Account :

Balance of loss transferred from Profit & Loss Account

10603.25

10387.12



## Schedule to Profit & Loss Account for the year ended 31st March, 1987

### Schedule-1

(Rupees in lakhs)

#### Sales of Coal, Coke etc.

Current year

Previous year

Coal  
Soft Coke

7827.56  
701.06  
8528.62

6864.58  
1507.07  
8371.65

Less : Statutory Levies  
Royalty on Coal  
Stowing Excise Duty  
Sales Tax  
Central  
State

52.02  
28.40  
  
62.86  
228.23

48.77  
28.07  
  
45.14  
235.63

371.51  
8157.11

357.61  
8014.04

### Schedule-2

#### Coal Issued for Other Purposes per Contra

Boiler Consumption  
Free issue to Employees  
Brick making

19.60  
80.31  
20.35  
120.26

18.87  
43.39  
21.41  
83.67



## Schedule to Profit & Loss Account for the year ended 31st March, 1987

### Schedule-3

(Rupees in lakhs)

		Current year		Previous year
<b>Other Receipts</b>				
Subsidy for interest on Non-plan Loan per contra		5807.58		5807.58
Apex Office Charges		726.54		458.68
Rebate on interest on Government Loan		438.90		62.97
Contractual Recoveries		192.58		154.37
Interest received			21.78	
Term Deposit				
Post Office Savings Bank Account	0.01			
Loans & Advance—Employees	0.33	0.34	3.20	24.98
Profit on Sale of Assets/Stores		0.51		1.05
Rent (outsiders)		4.52		1.26
Penalty received		0.70		3.13
Hire Charges for Aircraft		0.18		-
Others		46.64		95.47
		7218.49		6609.49
Less : Transferred to Development per contra		2.65		1.34
		<u>7215.84</u>		<u>6608.15</u>

### Schedule-4

#### Accretion in Stock

Closing Stock of Coal, Coke etc.	1946.69		1272.71	
Less : Transferred to Development	0.05	1946.64	0.05	1272.66
Closing Stock of Bricks		8.19		9.85
Closing Stock of Work-in-progress (Bricks)		0.82		0.48
		1955.65		1282.99
Less : Opening Stock	1283.04		946.56	
Less : Transferred to Development	0.05	1282.99	0.05	946.51
		<u>672.66</u>		<u>336.48</u>

## Schedule to Profit & Loss Account for the year ended 31st March, 1987

### Schedule-5

(Rupees in lakhs)

	Current year	Previous year
<b>Employees Remuneration &amp; Benefits</b>		
Salary, Wages and Allowances including O.T., Leave Encashment, incentive etc.	1473.63	1203.92
Contribution to PF & Other Funds (including Administrative charges)	116.05	94.91
Attendance Bonus	58.14	58.73
Ex-gratia	75.66	71.16
LTC/LLTC/RRF	95.12	63.64
Pension	0.78	1.22
Gratuity	17.14	48.55
Workmen Compensation	3.12	5.52
Group Insurance	7.82	8.42
D.L.I.	0.08	0.05
Life Cover Scheme	4.31	4.95
	<u>1851.85</u>	<u>1561.07</u>
 <i>Less : Transferred per contra</i>		
Social Overhead	32.13	28.67
Development	49.83	34.26
	<u>81.96</u>	<u>62.93</u>
	<u><b>1769.89</b></u>	<u><b>1498.14</b></u>

## Schedule to Profit & Loss Account for the year ended 31st March, 1987

### Schedule-6

(Rupees in lakhs)

	Current year		Previous year	
<b>Consumption of Stores &amp; Spare Parts</b>				
Explosives		65.44		50.33
Timber		107.67		96.19
POL		78.95		85.39
Other consumable Stores & Spare Parts		<u>117.30</u>		<u>70.45</u>
		369.36		302.36
<i>Less : Transferred per contra :</i>				
Development	1.06		0.65	
Power & Fuel	0.61		0.53	
Social Overhead	<u>30.16</u>	<u>31.83</u>	<u>25.27</u>	<u>26.45</u>
		<u><b>337.53</b></u>		<u><b>275.91</b></u>

### Schedule-7

#### Power & Fuel

Purchase of Electricity		163.92		100.94
Power Generation				
Boiler consumption per contra	19.60		18.87	
Consumption of Stores per contra	0.61		0.53	
Repairs & Maintenance	<u>6.78</u>	<u>26.99</u>	<u>0.86</u>	<u>20.26</u>
		190.91		121.20
<i>Less : Transferred per contra</i>				
Development	4.49		3.16	
Social Overhead	<u>11.03</u>	<u>15.52</u>	<u>5.06</u>	<u>8.22</u>
		<u><b>175.39</b></u>		<u><b>112.98</b></u>

## Schedule to Profit & Loss Account for the year ended 31st March, 1987

### Schedule-8

	(Rupees in lakhs)	
	Current year	Previous year
<b>Repairs (Purchased)</b>		
Factory & Office Buildings	14.29	11.81
Plant & Machinery	166.32	177.35
Office Furniture & Equipment	4.66	2.43
Others	<u>2.09</u>	<u>3.81</u>
	<b>187.36</b>	<b>195.40</b>
Less : Transferred to Development per contra	<u>0.32</u>	<u>0.53</u>
	<b>187.04</b>	<b>194.87</b>

### Schedule-9

#### Contractual Expenses

Transport charges Of Coal, Coke etc.	325.21	438.04
O B R	852.57	615.16
Other Contractual works	<u>298.55</u>	<u>256.82</u>
	<b>1476.33</b>	<b>1310.02</b>

# Schedule to Profit & Loss Account for the year ended 31st March, 1987

## Schedule-10

(Rupees in lakhs)

Current year

Previous year

### Social Overhead

Salary, Wages & Allowance per contra	32.13	28.67
Free issue of Coal to employees per contra	80.31	43.39
Medical reimbursement	28.98	31.18
Medicines and Diet Expenses	19.39	17.98
Canteen up-keep and refreshment	4.73	4.01
Grant to Schools and Institutions	6.07	6.47
Training Expenses	3.27	4.18
Repairs & Maintenance of Township and other Social Overhead Assets	36.26	28.41
Depreciation on Social Overhead Vehicles and other Social Overhead Assets	18.10	13.37
Creche Expenses	—	—
Uniform	0.88	1.88
Electricity charges for Hospital, Township and other Welfare Bldgs., per contra	11.03	5.06
Consumption of Stores per contra	30.16	25.27
Sports, Recreation & Grant	0.68	2.17
Other Welfare Expenses including Hindi Language development Expenses	24.54	18.80
	<u>296.53</u>	<u>230.84</u>
Less : Recoveries	3.01	2.57
House Rent	0.65	0.58
Guest House Charges	2.63	3.11
Hospital Charges	1.79	1.10
Electricity & Water Charges	3.45	5.55
Others	<u>11.53</u>	<u>12.91</u>
	285.00	217.93
Less : Transferred to Development per contra	<u>24.58</u>	<u>13.71</u>
	<u>260.42</u>	<u>204.22</u>

## Schedule to Profit & Loss Account for the year ended 31st March, 1987

### Schedule-11

(Rupees in lakhs)

Interest	Current year		Previous year	
Plan Loan from Government of India	30037.61		25814.12	
Non-Plan Loan from Government of India (including Rs. 5807.58 lakhs per contra)	5813.14		5807.58	
Bank Overdraft	394.13		224.23	
Interest on CPRA	950.00		—	
	37194.88		31845.93	
Less : Transferred to Subsidiaries	29294.15		25410.64	
Interest recoverable Account	941.06		—	
Capitalised for expenditure during construction period	422.93	30658.14	318.44	25729.08
	<u>6536.74</u>		<u>6116.85</u>	

### Schedule-12

#### Provision

Bad & Doubtful Debts	—	0.07
Coal, Coke etc.	23.05	—
Stores	8.03	—
Doubtful Claims	14.94	0.43
	46.02	0.50
Less : Transferred to Development per contra	0.39	—
	<u>45.63</u>	<u>0.50</u>

# Schedule to Profit & Loss Account for the year ended 31st March, 1987

## Schedule-13

(Rupees in lakhs)

Current year Previous year

### Other Expenditure

Travelling		80.63		53.24
Printing & Stationery		19.95		13.03
Postage & Telephone		34.85		26.64
Freight Charges		857.06		786.82
Advertisement		58.38		16.17
Underloading Charges		0.13		0.12
Demurrage		1.93		3.24
Rent		57.38		51.83
Insurance		3.67		2.38
Rates & Taxes		3.66		4.92
Legal Expenses		3.70		4.42
Royalty & Cess		0.44		0.33
Donation & Subscription		0.60		-
Octroi Charges		17.68		14.32
Service Charges of Holding Company		4.57		2.86
Loss on Sale of Assets/Stores		0.03		0.05
Subsidy towards loss on working of Provident Funds		12.40		31.83
Auditors Remunerations	0.84		0.84	
Audit Fees	0.42		0.42	
Travelling and out of pocket expenses	0.28	1.54	0.28	1.54
In other capacity (Tax Audit)		4.49		2.69
Bank Charges		16.46		13.73
Office Contingencies		0.97		1.80
Accounting Charges		0.68		0.21
Security Expenses		4.20		-
Professional Fees		18.38		0.53
Consultant/Retainer Fees		1.24		0.02
Hire Charges		1.66		1.27
Books & Periodicals		7.46		0.22
Conference and Seminar		15.75		-
Exhibition Expenses		0.02		-
Sales Tax		0.81		0.53
Honorarium				
Repairs and Maintenance of Cars & Jeeps	11.17		8.17	
Petrol & Diesel	8.85		6.19	
Repairs	2.11	22.13	2.79	17.15
Others (Road Tax, Insurance etc.)		24.25		-
O B R (Departmental)		40.55		14.78
Other Miscellaneous Expenses		1317.65		1066.67
		24.62		3.30
Less : Transferred to Development per contra		1293.03		1063.37



# Schedule to Profit & Loss Account for the year ended 31st March, 1987

## Schedule-14

(Rupees in lakhs)

Prior Period Adjustment	Current year	Previous year
<b>Debits</b>		
Salaries, Wages, Allowances etc.	44.78	28.66
P.F. Contribution	2.49	0.27
Gratuity & Pension	—	1.04
Ex-gratia	0.83	—
Consumption of Stores & Spare Parts	0.53	4.26
Repairs & Maintenance	1.84	0.07
Land Revenue	0.24	—
Contractual Expenses	36.47	0.86
Siding Charges	64.74	—
Subsidy for loss on working of PF	16.07	—
Transport Charges	4.71	—
Sales Tax, Royalty etc.	0.03	10.04
Social Overhead	0.30	—
Other Misc. Expenditure		
Rates & Taxes	1.00	—
Travelling Expenses	0.76	0.72
Postage, Telephones & Telex	0.42	2.17
Printing & Stationery	1.94	0.17
Rent	4.03	6.07
Office Contingency Expenses	0.70	—
Power & Fuel	0.25	—
Legal Fees & Expenses	0.06	—
Purchase of Coal, Coke etc.	—	1.45
Other Misc. Expenses	0.13	2.40
	<u>182.32</u>	<u>58.18</u>
<b>Credits</b>		
Interest on Government loan	147.01	(—) 0.47
Depreciation	0.27	0.34
Insurance	0.02	—
Advertisement	0.39	—
Other Receipts	3.43	(—) 10.04
Freight	—	9.89
Sale of Coal, Coke etc.	2.14	9.57
Self loading Charges	—	1.73
Under loading Charges	—	0.28
Demurrage	—	1.65
Provisions written back :		
Doubtful Debts	57.60	—
Doubtful Claims	<u>35.24</u>	<u>—</u>
	<u>92.84</u>	<u>—</u>
	<u>246.10</u>	<u>12.95</u>
	63.78 Credit	45.23 Debit
	<u>53.39</u>	<u>—</u>
	<u>10.39</u> Credit	<u>45.23</u> Debit
Less : Transferred to Development		



## Accounting Policies and Notes on the Accounts for the year ended 31st March, 1987

### Schedule-N

#### A. Accounting Policies

**1. Capital subsidy and/or grants**

Subsidy and/or grants received on capital account are deducted from the cost of assets to which these relate.

**2. Building**

Building includes cost of electrical fittings, water supply arrangement and sanitary fittings. Depreciation on such fittings and arrangements has been provided for at the rate prescribed for building.

**3. Railway Siding**

Payments made to the Railway Authority to the extent of the work done are shown under capital work-in-progress.

**4. Development**

Expenses net of income of the Projects/Mines under development including proportionate interest and administrative expenses capitalised are booked to development account by way of transfer from natural heads of income/expenses accounts. Development expenses for Projects/Mines coming to revenue is amortized in 20 years or life of the Projects/Mines whichever is less.

**5. Basis of Inventories and system of the valuation**

Stock of stores, spare parts, work-in-progress and other finished goods are valued at cost.

Stock of coal, coke etc. are valued at net realisable value except at NEC and CIL Dumps where the stock have been valued at notified price and cost respectively. Book stock of coal, coke etc. is taken for the purpose of closing stock where the variance between book stock and physically verified stock is upto  $\pm 5\%$  and in case the variance is beyond  $\pm 5\%$  the physical stock is taken as closing stock.

Stock of medicine and stationery are not considered for inventory purpose and is charged to revenue.

**6. Installation expenses**

Installation expenses wherever done departmentally are not capitalised.

**7. Over Burden Removal Expenses**

In opencast mines, the cost of OBR is charged on average ratio evaluated on current working cost of removal of OB at each mine with due adjustment for advance stripping/ratio variance account.

**8. Additional liability for royalty, cess, sales tax etc.**

Additional liability for Royalty, Cess, Sales Tax etc., if any, is accounted for in the year for which final assessment orders are received.

**9. System of booking of income and expenses**

All expenses and income including for Projects/Mines under development are initially booked in the natural heads of accounts and then transferred to functional head of accounts wherever necessary.

**10. Cash basis of accounting**

Liquidated damage, demurrage, workmen compensation, medical reimbursement, travelling expenses and interest & dividend income are taken into account on cash basis.

**11. Gratuity and Life Cover Scheme**

Gratuity and Life Cover Scheme are accounted for on cash-cum-retirement and/or death basis. Gratuity liability is neither actuarially ascertained nor accounted for.

**12. Depreciation**

Depreciation of Fixed Assets is charged on straightline method derived from the rates provided for the corresponding assets in the Income Tax Act/Rule. Development expenses are amortized in 20 years or life of the Project/Mine whichever is less.

**13. Own consumption and free issue of Coal, Coke etc.**

Coal issued to employees (free issue) and for Boiler consumption is accounted for on the basis of norms fixed by the Management and valued at relevant grade selling price and the same is exhibited in the Accounts as per contra.

**14. Basis of allocation of Interest and Apex charges**

Interest on Govt. loan and Bank Overdraft net of rebate for the year is allocated to the Subsidiaries and Units on the basis of total investment for the year comprising purchase consideration, investment and current account balances upto a specific date as determined by the Management, taking into account the Debt-Equity ratio as 1:1. In case of subsidy for interest on non-plan loan from Government of India, this is allocated to Subsidiaries and Units in proportion to their cumulative loss balances upto the previous year.

Apex Office charges are allocated to Subsidiaries and revenue mines directly under Coal India Ltd., in proportion to their production ratios for the year.

**15. No adjustment for the loss of the Subsidiary Companies are made in the Accounts of Coal India Limited. However, a statement disclosing Company's investment in subsidiaries and their losses upto date as required u/s 212 (1)(e) of the Companies Act, 1956 is attached.**

**B. Notes on the Accounts**

**1. Fixed Assets**

- 1.1 Itemwise details of immovable properties vested with and owned by the Company under Coal Mines (Nationalisation) Act, 1973, are not available.
- 1.2 Title deeds for land acquired, in some cases, have not yet been executed in favour of the Company. This includes the land acquired at Dankuni Coal Complex and made over to the Company by the Government of West Bengal. Pending final award of compensation, the liability, if any, on this account remains unascertained.

**2. Current Assets**

- 2.1 In case of CMO where book stock has been considered as closing stock an amount of Rs. 48.50 lakhs has been provided to cover likely shortage/deterioration in the stock when physically measured.
- 2.2 The provision of Rs. 12.07 lakhs on account of unserviceable/obsolete stores as on 31.3.1987 has been considered adequate.
- 2.3 The closing stock of stores has been considered in the Accounts as per balances appearing in Priced Stores Ledger.

**3. Loans & Advances**

- 3.1 Agreement for transfer of assets and liabilities amounting to Rs. 93.10 lakhs (net) to Central Mine Planning and Design Institute Limited on its formation as a Subsidiary of Coal India Limited is yet to be executed.
- 3.2 Pending complete linking up of advances with Sundry Creditors, in some cases, both advances and Sundry Creditors have been shown at gross.

**4. Current Liabilities**

- 4.1 Pending registration of transfer of assets and liabilities of the four erstwhile Divisions of C. M. A. L., now Coal India Limited, the overdraft balance of Coal India Limited has been secured by creating charge against stock of Coal, stock of Stores & Spare Parts and book debts of the Subsidiary Companies.
- 4.2 An amount of Rs. 857.71 lakhs received from Coal Board/Government of India towards subsidy including Rs. 278.83 lakhs received before nationalisation out of which Rs. 674.74 lakhs have been adjusted leaving a balance of Rs. 182.97 lakhs and the same has been shown under "Current Liabilities".

**5. General**

- 5.1 The balance with Subsidiary Companies remained unconfirmed.
- 5.2 Previous year's figures have been rearranged and regrouped wherever necessary.
- 5.3 The Government of India vide No.38011:1:85-CA dated 12th September, 1986 has waived penal interest accrued and due on defaulted instalment and interest amounting to Rs. 95.54 crores upto 31st March, 1985 which has been allocated to the Subsidiaries on the basis of investment in each year from 1981-82 to 1984-85.

**6. Capital Commitment**

The amount of transactions remain to be executed on Capital Account not provided for amounts to Rs. 13095.53 lakhs (previous year Rs. 9133.82 lakhs).



## 7. Contingent Liabilities

7.1 Claims against the Company not acknowledged as debts include :

- (i) Suits against the Company
- (ii) Entry Tax
- (iii) Claims by Employees
- (iv) Others

Rs. 58.04 lakhs;  
Rs. 0.40 lakhs;  
Rs. 500.00 lakhs;  
Rs. 25.19 lakhs.

7.2 Cases for which Company may be contingently liable for

- (i) Guarantees given by the Company for Bank Overdraft aggregating to Rs. 2325.00 lakhs for the Subsidiaries;
- (ii) Guarantee furnished by one of our Bankers amounting to Rs. 1,000.00 to the Government of Maharashtra;
- (iii) Indemnity given by the Company to Port Trust, Bombay, for Rs. 0.65 lakhs against Railway freight.

## 8. Profit & Loss Account

8.1 Pending final agreement with Trade Unions, the impact of NCWA-IV for the period from 1.1.1986 to 31.3.1987 could not be ascertained in full. However, an amount of Rs. 167.36 lakhs has been provided during the year on account of Ad-hoc Relief.

8.2 Pending decision on waiver of Penal Interest, payable, if any, by the Government of India on Rs. 1096.00 lakhs interest on non-plan loan accrued but not due upto 31.3.1979, no provision has been made in the Accounts as per past practice. Subsidy for the interest on non-plan loan is being granted by the Government of India for the equivalent amount of interest due thereon every year from the year 1979-80.

8.3. The Government of India, Ministry of Energy, Department of Coal, New Delhi vide No.28012(3):81-CA dated 5th March, 1983, has introduced Retention Price Scheme and conveyed the sanction of the Central Government to the Retention Price for raw Coal sold by the different Subsidiary Companies and for the NEC owned by Coal India Limited. Coal India Limited is authorised to operate the Coal Price Regulation Account on behalf of the Government which shows a credit balance of Rs. 78.27 crores as on 31.3.1987 arising out of variation of quantum of despatch and realisation on account of sales of participating Companies and NEC as envisaged earlier. From the next financial year this will be reviewed half-yearly to reduce the balance of the fund to its minimum.

As CIL has utilised the aforesaid balance as its working capital, an ad-hoc provision of interest for Rs. 9.50 crores has been made in the Accounts on the mean of opening and closing balances of the fund for the year. Since Accounts of the Subsidiaries are already closed, the said interest has been debited to Interest Reoverable Account and shown under Loans & Advance Schedule excepting the debit attributable to NEC which has been charged to revenue for the year.

8.4 An amount of Rs. 12.40 lakhs has been provided in the Accounts towards an estimated deficit in the Revenue Account of CMAL SPF for the year 1986-87.

8.5 Loans and Advances include Rs. 6.52 crores on account of claims lodged with the Commissioner of Payments for transactions on behalf of Ex-owners of Non-Coking Coal Mines. The break-up of the aforesaid sum, as to the claims admitted, pending, rejected etc., could not be ascertained for want of full details which are being collected for recovery and/or adjustments. As such, no provision for doubtful claims, if any, has been made in the Accounts.

8.6 The Accounts together with Notes thereon approved by the Board of Directors on 24th August 1987 and reported upon by the Auditors have been amended to comply with the observations of CAG and also to give effect to subsequent Management decisions. The amendments involve changes in the figures of the Profit & Loss Accounts, Balance Sheet and Notes thereon (the loss has gone up by Rs. 199.52 lakhs including Rs. 138.52 lakhs for interim relief).

8.7 Schedule A to M form part of the Balance Sheet as on 31st March, 1987, 1 to 14 form part of the Profit & Loss Account for the year ended on that date and Schedule - N represents Accounting Policies & Explanatory Notes to the Accounts. Additional information required as per Schedule-VI (part-II) are given in the Annexure to Schedule-N.

Signature to Schedules A to N & 1 to 14

P.B. Dutta  
Dy. Company Secretary

B. Swaminathan  
Director (Finance)

G.L. Tandon  
Chairman

As per our separate report of even date  
For S. Bhaumik & Co.  
Chartered Accountants.

S.C. Banerjee  
Partner

Calcutta,  
Dated, the 12th November, 1987

## Annexure to Schedule – N.

### 1. Directors' Remuneration

	Current year	(Rs. in lakhs) Previous year
(i) Salaries	2.21	3.07
(ii) Company's contribution to Provident Fund & Other Funds	0.18	0.15
(iii) Medical benefits	0.10	6.11
(iv) Perquisites	0.32	0.40

### 2. Particulars of employees who are in receipt of not less than Rs. 36,000/- per annum or Rs. 3,000/- per month, when employed for a part of the year.

	Employed throughout the year		Employed for part of the year	
	86-87	85-86	86-87	85-86
(i) Number of employees	369	282	82	34
(ii) Salaries, Allowances etc. (Rs. in lakhs)	188.78	133.62	22.58	9.88
(iii) Contribution to Provident Fund (Do)	13.39	9.62	1.51	0.63

Free issue of Coal to employees wherever applicable has not been considered for the purpose of computation of above figures.

### 3. The information required in paragraph 3 & 4 of part (ii) of the Schedule (VI) of Companies Act, 1956, 3(b) value of imports on CIF basis.

	86-87	(Rs. in lakhs) 85-86
(i) Raw materials	—	—
(ii) Capital Goods	—	6.23
(iii) Stores, Spares & Components	2.96	—

### 4. Expenditure incurred in Foreign Currency on account of

(i) know-how	—	—
(ii) Interest	—	—
(iii) Exchange variation	—	—
(iv) Commission to Foreign Agents	—	—
(v) Training expenses and payment to Foreign Technicians	—	—
(vi) Travelling	2.05	0.89
(vii) Medical treatment	2.44	5.14

### 5. Earning in Foreign Exchange on account of

(i) Export of Goods (Calculated on FOB basis)	—	—
(ii) Exchange variation	—	—
(iii) Miscellaneous	—	—

### 6. Total consumption of stores during the year

(i) Total consumption of imported material	2.96	0.58%
(ii) Indigenous	508.87	99.42%

**Additional information required in paragraph 3 and 4 of Part-II of Schedule VI to the Companies Act, 1956 for the year 1986-87.**

7. (a) Installed Capacity — not applicable.  
(b) Licensed Capacity — not applicable.

8. **(a) Statement of Opening Stock, Production, Turnover and Closing Stock of Coal and Bricks.**

Rupees in lakhs  
Quantity in '000 M.T.

Opening Stock							Production	
Current yr.				Previous yr.		Previous yr.	Current yr.	
		'000' MT	Value Rs.	'000' MT	Value Rs.	'000' MT	'000' MT	
<b>Coal</b>								
Ungraded		252.2	869.4	174	533.7	840.8	905	
<b>Bricks</b>								
Class I ('000')		1448		856		4569	2690	
Ungraded		49	10.34	47	6.31	88	16	
Arch		45		15		—	—	
Broken		104		45		584	401	
Green Bricks		45		20		—	—	
Process Bricks		70				—	—	
CLOSING STOCK								
TURNOVER								
Current yr.				Previous yr.		Current yr.		
		'000' MT	Value Rs.	'000' MT	Value Rs.	'000' MT	Value Rs.	
<b>Coal</b>								
Ungraded		762.77	2942.09	817.2	3198	252.2	869.40	
<b>Bricks</b>								
Class I ('000')		3976		3059		1448	1079	
Ungraded		39	25.90	51	30.38	49	14	
Arch		2		17		45	28	
Broken		50		349		104	156	
Green Bricks		—		—		45	100	
Process Bricks		—		—		70	85	

Note : 1 Turnover quantity includes Colliery consumption and free issue of Coal for which separate figures could not be indicated. Closing stock includes Stock-in-transit Rs. 44.35 lakhs.

	Qty.
	252.2
** Opening	905.0
Production	1157.2
	817.2
Turnover	340.0
	8.6 ***
Less : Conversion Loss	331.4

\*\*\* Includes 494.6 M.T. Coal lost-in-transit for despatches to Bhatinda Stockyard.

8. (b) Other Trading Activities

Statement of Opening Stock, Purchase, Turnover and Closing Stock.

	Opening Stock		Purchase		Sales	
	Qty. '000' M.T.	Value Rs. (lakhs)	Qty. '000' M.T.	Value Rs. (lakhs)	Qty. '000' M.T.	Value Rs. (lakhs)
Coal 1986-87	80	360.92	893	3215.73	793	4323.50
1985-86	82	371.54	781	2430.48	740	3663.33
Coke 1986-87	12	42.35	142	419.12	145	674.10
1985-86	10	34.98	361	987.93	355	1449.10
Total 1986-87	92	403.27	1035	3634.85	938	4997.60
1985-86	92	406.52	1142	3418.41	1095	5112.43

	Adjustment (Qty. '000' M.T.)		Closing Stock	
	Rejects	Recoveries	Qty. '000' M.T.	Value (Rs. in lakhs)
Coal 1986-87	1	26	153	783.10
1985-86	19	24	80	360.92
Coke 1986-87	—	1	8	25.24
1985-86	3	1	12	42.35
Total 1986-87	1	27	161	808.34
1985-86	22	25	92	403.27

Note : (1) Previous years figures regrouped for missing wagons.  
(2) Purchase quantity and amount is net off goods-lost-in-transit.



**Statement pursuant to Sec. 212(l)(e) of the Companies Act, 1956 as at 31st March, 1987**

Subsidiary (fully owned)	No. of Equity shares held by Coal India Ltd.	No. of Equity shares held by CIL in nominees' name	Total paid-up value (Rs. in crores)	Profit (+)/ Loss(-) for the year ended 31.3.1987 * (Rs. in crores)	Profit (+)/ Loss(-) balance as on 31.3.1987 (cumulative) (Rs. in crores)
ECL	5099997	3	510.0000	(-) 142.19	(-) 861.77
BCCL	6044071	3	604.4074	(-) 87.71	(-) 875.86
CCL	6710351	3	671.0354	(-) 68.67	(-) 14.78
WCL	3457997	3	345.8000	(-) 0.68	(-) 105.22
NCL	4125997	3	412.6000	(-) 1.49	(-) 1.49
SECL	6	3	0.0009	(-) 30.06	(-) 30.06
CMPDIL	85397	3	8.5400	(+) 0.78	(+) 3.68

\* Before creation of investment allowance reserve.

**Comments of the Comptroller and Auditor General of India under Section 619 (4) of the Companies Act, 1956 on the Accounts of Coal India Limited for the year ended 31st March, 1987**

I have to state that the Comptroller and Auditor General of India has no Comments upon or Supplement to the Auditor's Report Under Section 619 (4) of the Companies Act, 1956 on the Accounts of the Coal India Limited for the year ended 31st March, 1987.

Dated, Calcutta  
The 19th November 1987

K. KRISHNAN  
Member, Audit Board & Ex-Officio  
Director of Commercial Audit-II  
Calcutta

**Review of Accounts of Coal India Limited for the year ended 31st March, 1987- by the Comptroller & Auditor General of India**

**1. Financial Position:**

The table below summarises the financial position of the Company under the broad headlines for the last 3 years.

	1984-85	1985-86	(Rs. in lakhs) 1986-87
<b>Liabilities :</b>			
a) Paid up capital (including amount due to Govt. of India to be adjusted against issue of shares)	2,55,668.09	3,01,231.11	3,55,949.81
b) Reserve & Surplus	12.09	411.67	344.77
c) <b>Borrowings:</b>			
i) From Govt. of India	2,17,374.49	2,52,837.27	2,71,562.34
ii) From Bank	5,734.33	3,052.73	13,613.31
d) Trade dues & current liabilities (including provisions)	39,238.24	45,930.07	48,404.07
<b>Total</b>	<b>5,18,027.24</b>	<b>6,03,462.85</b>	<b>6,89,874.30</b>
<b>Assets:</b>			
e) Gross block	3,390.97	4,139.20	4,830.76
f) Less Depreciation	865.62	1,183.83	1,542.93
g) Net Fixed Assets	2,525.35	2,955.37	3,287.83
h) Capital Work-in-Progress (including other capital assets)	3,398.33	4,863.09	7,283.92
i) Investment	1,23,804.20	1,64,800.56	2,55,238.37
j) Current Assets, Loans & Advances (including amount due from Govt. of India for non-coking coal mines)	3,77,519.42	4,20,180.89	4,13,246.43
k) Miscellaneous expenditure & losses not written off :			
i) Deferred Revenue Expenditure	198.51	275.82	214.50
ii) Accumulated losses	10,581.43	10,387.12	10,603.25
<b>Total</b>	<b>5,18,027.24</b>	<b>6,03,462.85</b>	<b>6,89,874.30</b>



(Rupees in lakhs)

	1984-85	1985-86	1986-87
Capital Employed:	3,40,806.53	3,77,206.19	3,68,130.19
Net worth	2,44,900.24	2,90,979.84	3,45,476.83

- Note :**
- (1) Capital employed represents Net Fixed Assets plus working capital.
  - (2) Net worth represents paid up capital plus Reserves & Surplus less intangible assets.
  - (3) The figures taken in the years 1984-85 & 1985-86 are as published in the respective years Accounts irrespective of adjustments made in subsequent years.

## 2. Capital Structure

The debt equity ratio of the Company was 0.85 : 1 in 1984-85, 0.84 : 1 in 1985-86 and 0.76 : 1 in 1986-87.

## 3. Reserve and Surplus

The reserve and surplus (Rs. 344.77 lakhs) amounted to (a) 0.50% of total liabilities in 1986-87 as against 0.068% in 1985-86 and 0.002% in 1984-85 and (b) 0.097% of equity capital (Rs. 355949.81) in 1986-87 as against 0.137% in 1985-86 and 0.005% in 1984-85.

## 4. Liquidity and Solvency

- a) The percentage of current assets to total net assets declined from 72.88 in 1984-85 to 69.63 in 1985-86 and 59.90 in 1986-87.
- b) The percentage of current assets to current liabilities including provisions declined from 962.12 in 1984-85 to 914.83 in 1985-86 and 853.74 in 1986-87.
- c) The percentage of quick assets (Cash and bank balances, debtors and advances) to Current liabilities (excluding provisions) varied from 3.04 in 1984-85 to 3.31 in 1985-86 and 3.22 in 1986-87.

## 5. Working Capital

Working Capital (current assets, loans and advances less Trade dues and Current liabilities and provisions) of the company at the close of 3 years ending March, 1987 amounted to Rs. 3,38,218.18 lakhs in 1984-85, Rs. 3,77,206.19 lakhs in 1985-86 and Rs. 3,64,842.36 lakhs in 1986-87 and represented 493.74 months', 493 months' and 421.86 months' value of production at cost (excluding depreciation) during the above years respectively.

## 6. Sources of Funds

Funds amounting to Rs. 292.20 lakhs from internal sources (depreciation, reserve and surplus and provisions) and Rs. 86,478.35 lakhs from other sources were utilised during 1986-87 as shown below :-

	(Rs. in lakhs)
Gross Fixed Assets	691.56
Capital works in progress	2420.83
Investment (other than trade)	90437.81
Current Assets, Loans & Advances	(-) 6934.46
Miscellaneous Expenses and losses not written off	154.81
	<hr/> 86,770.55 <hr/>

## 7. Working Results

	(Rs. in lakhs)		
	1984-85	1985-86	1986-87
Profit/Loss as per account	(+) 727.10	(+) 239.54	(-) 226.52
Add : Development Rebate Reserve, Investment Allowance Reserve, Stock deterioration reserve shown above the line	—	(+) 388.10	—
Profit/Loss for the year	(+) 727.10	(+) 627.64	(-) 226.52
Add/deduct past period adjustment shown below the line	(+) 94.55	(-) 45.23	(+) 10.39
Loss/Profit before tax	(+) 821.65	(+) 582.41	(-) 216.13
Tax Provision	—	—	—
Loss/Profit after tax	(+) 821.65	(+) 582.41	(-) 216.13
(+) indicates profit. (—) indicates loss.			

The cumulative loss as on 31.03.87 amounted to Rs. 10,603.25 lakhs as against the paid up capital of Rs. 3,55,949.81 lakhs as on the same date.

## 8. Cost Trend

The table below indicates the percentage of cost of sales to sales during last three years.

	(Rs. in lakhs)		
	1984-85	1985-86	1986-87
Sale of Coal, Coke, Bricks etc.	8666.96	8371.69	8528.62
Add Loss/Less Profit	727.10	239.54	226.52
Cost of Sales	7939.86	8132.15	8755.14
Percentage of cost of Sales to Sales	91.61	97.14	102.66

## 9. Production performance

The value of production during the last 3 years is worked out below :

	(Rs. in lakhs)		
	1984-85	1985-86	1986-87
i) Sales of Coal, Bricks etc.	8666.96	8371.69	8528.62
ii) Closing stock of coal & bricks etc. (including work in progress)	927.07	1257.55	1955.65
iii) Opening stock of coal, bricks etc. (including work in progress)	848.63	921.07	1282.99
iv) Value of production (i + ii - iii)	8739.40	8708.17	9201.28

The percentage of value of production to networth declined from 3.57 in 1984-85 to 2.99 in 1985-86 and 2.66 in 1986-87. Percentage of value of production to total net assets declined from 1.69 in 1984-85 to 1.44 in 1985-86 and 1.33 in 1986-87.

## 10. Inventory and Production

The table below indicates the comparative position of inventory and its distribution at the close of the last 3 years ended 31st March, 1987.

	(Rs. in lakhs)		
	1984-85	1985-86	1986-87
i) Stores and Spares	348.99	448.01	390.26
ii) Stock of Coal, brick etc.	921.07	1257.55	1955.65

The stock of stores and spares was equivalent to 16.05 months' consumption in 1984-85, 19.48 months in 1985-86 and 13.87 in 1986-87. Stock of Coal, Bricks etc. represented 1.27 months' sales in 1984-85, 1.80 months' sales in 1985-86 and 2.75 months' sales in 1986-87.

## 11. Sundry Debtors and Turnover

The following table indicates the value of book debts and sales for the last three years.

	(Rs. in lakhs)				
As on	Total book debt considered good	Total book debts considered doubtful	Total	Sales	Percentage of Debtors to Sales
31.03.85	337.63	97.78	435.41	8666.96	5.02
31.03.86	456.10	97.86	553.96	8371.69	6.62
31.03.87	533.09	40.26	573.35	8528.62	6.72

Sundry debtors represented about 0.63 months' turnover in 1984-85, 0.79 months' turnover in 1985-86 and 0.81 months' turnover in 1986-87.

The following table indicates the details of debts outstanding for more than one year as on 31.3.1987.

	(Rs. in lakhs)		
	Govt. Deptt.	Private Parties	Total
i) Debts outstanding over one year but less than two years.	0.90	12.87	13.77
ii) Debts outstanding over two years but less than 3 years.	9.40	0.68	10.08
iii) Debts outstanding for 3 years and above.	37.90	2.50	40.40
Total :	48.20	16.05	64.25

Dated, Calcutta  
The 19th November 1987

K. KRISHNAN  
Member, Audit Board & Ex-Officio  
Director of Commercial Audit-II  
Calcutta

## Addendum to Directors' Report

### Auditors' Report

### OUR REPLY

To  
The Members of Coal India Limited,  
10, Netaji Subhas Road,  
Calcutta-700 001

We have audited the attached Balanced Sheet of Coal India Limited as at 31st March, 1987 and also the annexed profit and loss account for the year ended on that date in which are incorporated the accounts of North Eastern Coalfields and CIL Hd. Qrts audited by us and the accounts of Regional Office, Coal Marketing Organisation and Dankuni Coal Complex audited by the Branch Auditors in accordance with the letter of appointment no. 17/306/85-1GC dated 16.4.87 of Company Law Board, Government of India, Department of Company Affairs, New Delhi. We report as follows :-

1. As required under Manufacturing and Other Companies (Auditors' Report) Order, 1975 issued by the Company Law Board in terms of Section 227 (4A) of the Companies Act, 1956, we enclose in the Annexure a statement on the matters specified in paragraphs 4 and 5 of the said order.
2. Complete details of Fixed Assets vested with and owned by the company under Coal Mines (Nationalisation) Act, 1973, were not made available to us except those assets which are still in existence and are accounted for at nominal value of Re. 1/- each. We were informed by the management that registration of the title deeds and mutation of the properties owned and acquired after nationalisation through Government agencies are still in progress in some cases. However, the same could not be produced for our verification.
3. **Gratuity :**  
Gratuity is accounted for on cash-cum-retirement and/or death basis except in NEC and CMO where cash basis has been followed. No liability for gratuity has been actuarially ascertained for the year and accounted for.
4. **Other Expenditure :**  
It includes certain payments for consultancy charges made by CIL Hd. Qrts which are in the nature of Advances for which neither full services rendered nor the terms of period have expired. In the absence of complete details being made available to us in respect of aforesaid jobs, we are not in a position to ascertain whether there is any over booking of the said expenditure in the accounts or not.

No comments.

Fixed Assets vested and owned by the Company on nationalisation have been written off by providing ad-hoc depreciation keeping Re.1/- each being the nominal value of each such asset in the Accounts. As regards registration of Title Deeds, these are in the process of completion.

Gratuity in NEC and CMO has been accounted for on cash basis as per past practice. From the accounting year 1987-88 the gratuity will be accounted for on cash-cum-retirement and/or death basis by all Units of CIL to give effect to Company's uniform policy decision.

The consultancy charges initially paid as per terms of the contract have been charged to revenue for the year after ascertaining the latest position of the work done up to 31.3.1987 and as such there is no scope for over booking of the said expenditure in the Accounts for the year under review.

5. A sum of Rs. 1.95 lakhs debited to Rly. Ministry during 1983-84 for hire charges of Aircraft has not yet been paid and/or confirmed by that authority.

This represents charges recoverable from the Railway Ministry for use of CIL Aircraft by the said Ministry. However, the matter is being taken up with the Ministry for recovery of the same.

6. CIL has remitted fund for payment of Loan instalment and interest 3/4 days in advance of the due dates to ensure credit to the Govt. A/c on or before the due date. In the process, CIL has had to pay Rs. 68.48 lakhs to Govt. towards interest on loan by making advance payment before due dates in absence of suitable arrangement existing between the Borrower and the Lender. As a result CIL has to incur additional amount of Rs. 98.84 lakhs for payment of loan instalment and interest as loss of interest on capital. Moreover, Govt. has virtually invited deadlock in their cash-in-flow by withdrawing incentive clause viz Rebate for timely repayment of instalment and interest in the revised terms & conditions for loans sanctioned from 1.6.86 whereby CIL, if opts to defer the repayment until final repayment is due by incurring only penal interest @ 2.75% p.a., will naturally take advantage of saving of interest around 14 to 15% and also there will be considerable cash generation in the hands of CIL.

In absence of instant credit facilities at the Bank at the beginning of the year 1986-87, CIL used to avail the TT facility as per usual practice.

To ensure timely credit to Government of India Account, CIL had to arrange fund 2/3 days before to avoid postal delay on TT. This was also necessary to avoid penal interest and also to avoid loss of rebate on interest. As the payment was made to the Govt. of India as per terms of agreement for loans from the Govt. of India, in our opinion, there is no case for over-payment of interest to Govt. of India as well as incurring any additional interest on account of Bank overdraft. As regards withdrawal of rebate of interest by the Govt. of India, we have no comments to offer except to state that this is entirely a policy decision by the Government of India.

7. Loans & Advances include certain old balances mainly for some L/C transactions debited by Bank which remained unadjusted for a considerable period. It also includes some transactions relating to custom duty and port charges pending for adjustment. We were informed by the management that the aforesaid transactions could not be adjusted for want of certain relevant details which are in the process of collection for complete linking up and adjustment.

Debit by the Banks for some transactions could not be fully linked up and adjusted in the Accounts and the same were booked to advance account pending receipt of full details and supporting papers from the Banks. However, action has been initiated to collect all papers and supporting details from the Banks and Port Authorities which are in the process of collection, complete linking up and final adjustment.

8. **Valuation of Stock of Coal at NEC:**  
The closing stock of Coal at all the collieries under North Eastern Coalfields have been valued uniformly at the notified selling price of Rs. 342/- per M.T marked "Ungraded". In our opinion, all the quantities were not ungraded. The method of valuation at NEC adopted firmly at the "notified selling price" as followed consistently over the years instead of "Cost or net realisable value" whichever is lower. Therefore, the element of profit whether included in above stock or not could not be ascertained in absence of availability of actual cost.

The valuation of coal stock at NEC has been done as per consistent practice. The cost sheets of the Company are prepared regularly on monthly basis and are available for verification.

9. At NEC, huge quantities of scraped materials of considerable value are lying in Central and Colliery Stores in a dilapidated condition and kept in a scattered manner against which disposal action is lacking. The quantity of such materials is yet to be assessed.

There are some scrap materials at NEC as on 31.3.1987 which may not fetch considerable value. However, enquiries are being made for disposal of the same as early as possible.

10. **Weigh Bridge:**

In absence of Weigh Bridge at Colliery point specially in certain collieries of NEC wherefrom Coal is despatched directly to wagon/yard for onward despatch to parties, considerable amount of loss of materials by pilferage etc. from colliery to weighment centre situated at far flung area cannot be ruled out.

As per policy, management has decided to install any weighbridge only where the quantity of despatch calls for it.

11. **Stock of Stores:**

- i) Effective internal control procedure does not exist in NEC in respect of fresh purchase of Stores & Spares leading to huge accumulation of Stores & Spares and loss of interest on capital as well.

At NEC, all purchases are made as per the purchase procedure as laid down by CIL. It is fact that there is some accumulation in the stores inventories of which the management is aware of. Necessary action is being initiated to avoid future accumulation in inventories and use available stores as far as practicable.

- ii) 100 pcs of Coal Tub Wheel valuing Rs. 0.63 lakhs and a huge quantity of Timber lying in stores at NEC were found on physical verification for which no Bin Card/Stores Ledger has been maintained and accounted for.

The Coal Tub Wheels referred to in Auditors' Reports are a part of Workshop work-in-progress and issued stores to Workshop. As regards the timbers, these are part of charged off stores already issued from stores awaiting lifting for its final use.

12. Due to the application of conversion factor as per agreement with SAIL, NEC had to adjust 8042 MT Coal—the resultant effect of which is reduction in sale value consequent upon reduction in quantity.

This was done as per agreement and is at consistent practice.

13. We have incorporated the following notes from the Branch Auditors' Report.

**Stock-in-trade :**

- a) Stock Coal & Coke at CMO includes 12489.480M.T worth Rs. 68.01 lakhs considered stones, shales and rejects out of which 2681.255M.T worth Rs. 19.31 lakhs have been valued at Nil for which no provision made. However, adequate provision has been made in the A/cs for the balance stock of such materials. In our opinion the stock yard operators are primarily responsible for such losses and the same should be recovered from them. It was noticed from the A/cs of CMO that a sum of Rs. 2.13 lakhs only was realised during the year against Rs. 93.90 lakhs written off last year on account of such stock.

Recoverability of the amount from Stockyard operator including penalty, if any, this is under investigation and appropriate action will be taken after final decision is taken.



At DCC a shortage of 7.137 MT Steel worth Rs. 0.39 lakhs was found on physical verification. The same was included in the closing Inventories and adequate provision has been made in the accounts.

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| b) | Closing stock of coal includes 137.05 M.T of Coal worth Rs. 0.90 lakhs lying in the Police custody of Gwalior for want of valid authorised movement order available from 10 Truck Drivers. No FIR has been lodged. A similar amount has been recovered from stock yard operator and kept under "Advance from customers" pending final investigation by the management. No penalty has been recovered yet from the stock yard operators. |   |
| c) | Sundry Debtors of CMO include Rs. 3.49 lakhs due for more than 3 years out of which Rs. 2.00 lakhs is secured by Bank Guarantee and rest are doubtful of recovery for which, we are informed that recovery proceedings are being initiated.   | No comments.  |
| d) | In absence of details we are unable to form any opinion regarding the adequacy or otherwise of the provision of Rs. 29.28 lakhs for doubtful claims at CMO.   | The management has reviewed the position of doubtful claims and considers that the provision already made in the Accounts of CMO is adequate.   |
| e) | Rs. 6.19 lakhs includes in "Advance to contractors for others" (Previous year capital work-in-progress) in respect of purchase of Weighing Equipments for Bhubaneswar Sales Office during 1983-84 supplied in damaged conditions. We are informed that negotiations with the supplier for replacement of the same are going on.   | No comments.  |
| f) | Purchase of Coal from WCL for Rs. 0.65 lakhs was provided in the A/cs. during 1985-86 on approximate basis without any purchase bills and Railway receipts.   | The purchase bills and Railway receipts in question are in the process of collection.   |
| g) | Sundry Debtors, Sundry Creditors and Advance from customers' ledgers do not tally with control A/cs. in respect of few Sales Offices under CMO.   | There are some marginal differences between Subsidiary Ledger balance and control Ledger balance in a few Regional Sales Offices under CMO which are under the process of reconciliation and agreement. |
| h) | In respect of Gaziabad Stockyard, the Bank Guarantee amounting to Rs. 12.5 lakhs provided by the stockyard operator against amount due from him amounting to Rs. 8.69 lakhs and against Rs. 34.73 lakhs worth stock holding is quite inadequate.  | No comments.  |

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| 14. | No confirmation of balances produced to us for our verification in respect of Sundry Debtors, Sundry Creditors, Loans, Advances, Deposits, amount due from Government of India and due to Government of India and also amount due from and/or to subsidiary companies under its control. In absence of this we are unable to form any opinion regarding the correctness of the balances so derived.  | The transactions as appearing in the Ledger have been verified by the Audit which were supported by papers and necessary details.   |
| 15. | The information required in paragraphs 4D of part-II to Schedule-VI of the Companies Act, 1956, in respect of consumption of imported and indigenous stores and spares along with respective percentages could not be verified by us in absence of complete details.   | The figures for imported and indigenous stores & spares along with respective percentage required under Schedule-VI of the Companies Act, 1956, have been disclosed in the Accounts. The records for the aforesaid stores are available. However, there is some scope for improvement in record keeping of such stores for which action is being initiated. |
| 16. | <p>a) We have no notice of any event occurring after the Balance Sheet date, which has any direct effect on the profit or loss of the company for the year ended 31st March, 1987 except at RM Office, Delhi where heavy fire broke out during the currency of audit work for which only 2 months' record could be verified. In absence of full particulars we are unable to form any opinion whether any damage and/or loss of property or any other thing happened or not.</p> <p>b) Prior period Adjustment accounts amounting to Rs. 10.39 lakhs (Net credit) has been displayed in Schedule-14 and shown as an item of Profit &amp; Loss Account unlike previous years in which it was shown in Profit &amp; Loss Appropriation Account.</p> <p>c) No provision for Investment Allowance Reserve was made during the year in the accounts on additions to Plant &amp; Machinery costing Rs. 168.47 lakhs in view of loss.</p> | <p>No Comments. As regards the loss of property in RM's Office, New Delhi, due to fire in Ansal Bhawan, nothing untoward has so far been reported.</p> <p>No comments.</p> <p>No comments.</p>  |



17. The Balance Sheet as at 31st March, 1987 and Profit and Loss Account for the year ended on that date together with notes thereon which were approved by the Board of Directors on 24th August, 1987 and reported upon by us on 3rd September, 1987 have been reopened to comply with the observations made by CAG and also to give effect to certain subsequent management decisions involving changes in the Profit & Loss Account, Balance Sheet, Schedules and Accounting Policies and Notes thereon, the resultant effects of which are disclosed in item B-8.6 in Schedule – "N".
- No comments.
18. The total effect of the above notes in paragraphs 2 to 17 and annexure in paragraph 1 upon the true and fair views displayed in financial statements could not be ascertained except those which are ascertained as mentioned separately in the note itself.
- Already replied in Paragraphs 2 to 16 above.
19. Subject to para 2 to 18 above and further to our comments in annexure referred to in para 1 above and read with the notes appearing in Schedule – N i.e. Accounting Policies and notes on accounts, we report that:
- (a) to (e), (i) and (ii) - No comments.
- a) While preparing our report, we have considered the Reports on the Account of Regional Office, Coal Marketing Organisation and Dankuni Coal Complex audited by the Branch Auditors.
  - b) We have obtained all the information and explanations except otherwise stated above which to the best of our knowledge and belief were necessary for the purpose of our audit.
  - c) In our opinion proper books of account as required by Law have been maintained so far as appears from our examination of these books.
  - d) The Balance Sheet and Profit & Loss Account referred to in this report are in agreement with the books of account.
  - e) In our opinion and to the best of our knowledge and belief and according to the information and explanations given to us, the Balance Sheet and Profit & Loss Account, subject to the above, give true and fair view :-
    - i) In so far as it relates to the Balance Sheet of the State of Affairs of the company as at 31st March, 1987 and
    - ii) In so far as it relates to the Profit & Loss Account of the loss of the company for the year ended on that date.

For S. Bhaumik & Co.  
Chartered Accountants.

S. C. Banerjee  
Partner.

Dated, Calcutta,  
The 12th November, 1987

## Annexure to the Auditors' Report of Coal India Limited

### Referred to in paragraph 1 of our Report of even date

1. The Company has maintained proper records to show full particulars of fixed assets including quantitative details and situation of fixed assets at the Regional Offices, Dankuni Coal Complex and Coal Marketing Organisation except CMO Offices at Chandigarh, Bhopal and Jaipur. In case of NEC and Hd.Qrts where substantial parts of Assets exist, preparation of such records has been in progress at NEC only. Physical verification of fixed assets has been carried out by the management during the year at Dankuni Coal Complex and Coal Marketing Organisation except at its Jaipur, Chandigarh and Bhopal Offices, where no serious discrepancies were noticed. In case of NEC and CIL Hd.Qrts no such verification has been carried out during the year. In absence of which discrepancy, if any, could not be ascertained and adjusted.
2. None of the Fixed Assets of the Company has been revalued during the year.
3. Stocks of Coal & Coke were physically measured by the management at NEC and most of the Dumps under the control of CMO except Dumps under the control of the Regional Sales Offices at Delhi, Chandigarh, Bhopal and Jaipur. At NEC, discrepancies as compared to Book records have not been adjusted as they were within the permissible limit of 5% as stated in the Accounting Policy (Sch.-N item No.5). In case of Coal Marketing Organisation, discrepancies noticed have been properly dealt with in the books of account where the stocks were not physically verified, book figures have been taken into account with adequate provision for possible quality deterioration. Valuation of Coal & Coke at NEC has been made at the flat notified selling price considering all stocks "ungraded" and at Coal Marketing Organisation at cost.

In case of stores at NEC, the Company is having perpetual inventory system. During the year under audit, most of the stores items in terms of value were physically verified by the management and the discrepancies noticed have been adjusted in the accounts except items 11 (ii) of our report of even date. Stores lying at CIL Hd. Qrts have not been physically verified by the management during the year under audit. As such we are unable to comment whether there are any discrepancies between book records and physical stock.

In respect of Dankuni Coal Complex, physical verification of stores & spare parts has been conducted during the year and shortage of 7.137 tonnes of Steel costing Rs. 0.39 lakh has been found for which adequate provision has been made in the accounts. The said shortage is included in Inventories as on 31.3.87.

In our opinion, the valuation of stock, subject to above, is fair and in accordance with the normally accepted Accounting principle and is on the same basis as in the previous year.

### OUR REPLY

List of addition to Fixed Assets is available in the Offices where the Fixed Assets Registers in the prescribed format have been maintained. However, action is being initiated for maintenance of Fixed Assets Registers and physical verification of Fixed Assets at the end of the year in all Offices.

No comments

Physical verification of coal stock could not be conducted in some Dump Offices for want of requisite number of qualified coal stock verifier and also because of geographical location far from the Controlling Office. However, action is being initiated to ensure physical verification of inventories in all Offices. For rest part of the observation, we have no comments to offer further.

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|-----|--|--|
| 4.  | The Company has not taken any loan secured or unsecured from the companies, firms and other parties listed in the Register maintained under section 301 of the Companies Act, 1956. It was stated that there was no party which required such listing in the Register maintained under section 370(1c) of the Companies Act, 1956.   | No comments.   |
| 5.  | Financing in the nature of loan has been made to the subsidiaries. Repayment of principal amount and interest has been made by the book entries.<br><br>The company has also given loans and advances in the nature of loans to the employees which are being recovered as stipulated together with interest, wherever applicable, except in few cases.  | No comments.   |
| 6.  | In our opinion, internal control system for the purpose of stores, plant & machinery, equipment and other assets offers scope for improvement to make it commensurate with the size of the Company and nature of its business.   | No comments.   |
| 7.  | According to information given to us the Company has not purchased any stores, raw materials or components exceeding Rs. 10,000/- in value for each type thereof during the year from the subsidiary companies, firms or other parties in which the Directors are interested.  | No comments.   |
| 8.  | The company does not have any fool proof system for determination of obsolete and unserviceable and damaged stores. In absence of the same, quantum of such stock at NEC could not be ascertained correctly. In case of DCC, it was informed that there are no unserviceable and damaged goods and/or obsolete stores. At NEC and CIL Hd. Qrts in respect of such unserviceable or damaged/obsolete stores so ascertained by the management, adequate provision has been made in the accounts. | The Company has ascertained the quantum of obsolete, unserviceable and damaged stores as on 31.3.1987 and made necessary provision in the Accounts for the year.                                     |
| 9.  | The Company has not accepted any deposit within the meaning of Companies (Acceptance of Deposits) Rules, 1975.   | No comments.   |
| 10. | In our opinion and according to the explanations given to us the Company has not maintained reasonable records for sale and disposal of scraps. The Company has no bye-product.  | The Company has records of sale and disposal of scraps which leave some scope for further improvement in recording. However, action is being initiated to bring about such improvement in recording. |
| 11. | The Company has an Internal Audit system but in our opinion the same is not commensurate with its size and nature of its business and needs improvement.   | No comments.   |
| 12. | The maintenance of cost records has not been prescribed by the Central Government under Section 209(1) (d) of the Companies Act, 1956.   | No comments.   |

13. According to the records maintained by the Company, in our opinion, the Company is generally regular in depositing the Provident Fund dues with the appropriate authority except a few cases in DCC and CMO. However, in some cases amount is still lying outstanding.
14. In respect of service activities of NEC which renders services to its collieries, the Company does not have any fool proof system of job cards.
15. Damaged and rejected coal and coke have been determined in NEC and CMO. Out of total 12989.480 MT determined during the year by CMO as stones, shales and rejects, 2681.255 MT considered 'NIL' value. CMO has realised a sum of Rs. 2.13 lakhs against Rs. 93.90 lakhs written off last year on account of sale of stones, shales and rejects.

No comments.

NEC does not have any big workshop rendering any significant services to the Collieries. However, action has been initiated to keep full records of all services rendered to the Collieries by GM's Office, NEC, Margherita, Assam.

No comments.

Dated, Calcutta,  
The 12th November, 1987

For S. Bhaumik & Co.  
Chartered Accountants.

S. C. Banerjee  
Partner.

**Addendum to Directors' Report**  
**STATEMENT PURSUANT TO SECTION 217 (2A) OF THE COMPANIES ACT, 1956**  
**Read with the Companies (Particulars of Employees) Rules, 1975.**

Name	Designation	Remuneration	Qualifications	Date of Commencement of employment	Last employment held
1	2	3	4	5	6
<b>(A) Employed throughout the Financial Year 1986-87.</b>					
Tandon G.L.	Chairman	86,722	B.Sc. (1st Class), AISM, 1st Class CCM (Coal & Metalmines)	17.10.85	NLC.
Swaminathan B.	Director(F)	46,279	BA (Hons), Mathematics, Master Diploma in Public Administration	5.8.86	BPE
Sinha K.A.	Director (T)	78,211	B.Sc. (Mining), 1st Class MMC	25.5.86	CMPDIL
Brahma A.V.	Director (P)	68,124	B.Sc., AISM, 1st Class M.M.C.	28.2.84	BCCL
Agarwal P.K.	S.M.	46,611	B.Com., M.B.A.	1.8.73	WCL
Agarwal P.P.	Addl. CPM	57,976	B.Sc. B.Com. LLB	1.11.76	CMPDIL
Ali Asgar	Driver	43,403	Non-Matric	1.5.73	Taken over
Ahmed Zafar	Driver	49,689	Non-Matric	1.5.73	Taken over
Bhattacharjee D.S.	Addl. CFM	59,142	B.Sc., I.C.W.A.	22.9.83	BCCL
Bhattacharjee M.	Dy. C.S.M.	58,483	M.Sc. (Geology)	24.1.84	Assam Govt.
Bhattacharjee N.K.	Dy. C.S.M.	59,837	B.Sc. (M), M.M.C.	1.4.75	Coal Board
Bhattacharjee S.N.	Sr. S.O.	40,758	B.Sc.	1.4.75	Coal Board
Biswas A.	Sr. S.O.	42,421	B.Sc.	21.1.86	CCL
Bose A.T.	Sr. A.O.	45,055	C.A.S.	2.2.76	CCL
Biswas M.	Sr. S.O.	42,702	B.Sc.	1.4.75	Coal Board
Biswas D.R.	Sr. S.O.	40,534	B.A., MBA	1.9.76	ECL
Bose S.	Dy. C.E.	48,097	B.Sc. (Chem)	Nov. '80	CMPDIL
Bhattacharjee T.K.	S.E. (C.T.)	45,497	M.Tech.	5.11.80	CMPDIL
Banarjee U.K.	S.E. (E)	46,544	B.E. (Elect)	27.2.81	WCL
Bandhopadhy T.K.	Sr. E.E.(C)	42,829	B.E. (Civil)	2.6.82	CCL
Bhattacharjee P.S.	Dy. F.M.	37,593	M.Sc., AE	1.9.80	CMPDIL
Bharadwaj A.	E.E. (C)	50,802	B.E.(C)	6.3.82	ECL
Boruah Dr. B.K.	Dy. M.S.	61,116	M.B.B.S.	1.8.73	Taken over
Borthakur Dr. A.C.	Sr. M.O.	62,950	M.B.B.S.	1.8.73	Taken over
Borthakur Dr.T.C.	Specialist/Gyno	51,596	M.B.B.S., M.D.	14.9.81	Fresh Appt.
Bora A.K.	Asst. C.M.	54,182	B.Tech(M), 1st Class M.M.C.	5.3.76	"
Biswas R.N.	Asst. C.M.	54,361	B.Tech(M), 1st Class M.M.C.	17.10.76	"
Bajpayee S.P.	Engr (E&M)	42,962	B.Tech.	6.6.78	"
Bwarali A.K.	U.Mgr.	40,215	B.E.(Mining)	6.2.81	"
Bora M.C.	Supdt (M)	61,051	B.Sc. (Mining), 1st Class M.M.C.	1.8.73	Taken over
Bhattacharjee D.	E.E. (Elect)	53,550	B.E. (Elect.)	12.12.76	Fresh Appt.
Bharadwaj R.C.	Supdt. (M)	71,476	B.Tech(M), 1st Class MMC	1.8.73	Taken over
Bose A.K.	P.S.	38,508	M.A.	1.4.75	Coal Board
Bose Capt. P.	Sr. Pilot	74,431	I.Sc.	5.12.81	SAIL
Bhaskaran R.	Dy. CME	55,613	B.Sc.(M) 1st Class M.M.C.	1.8.73	Taken over
Boral M.C.	Sr. Manager (G.S.)	58,522	I.Sc.	1.8.73	Taken over
Bodhak B.K.	P.S.	40,341	H.S.	1.8.73	Taken over
Biswas R.D.	CGM. (Prod.)	66,669	1st Class Mining Engr. AISM	1.8.73	ECL
Banarjee Hirak	E.E. (E&M)	52,045	I.Sc., Dip. in ME	20.8.84	ECL
Bhattacharjee B.C.	Dy. CFM	55,403	B.Sc., AICWA	1.4.75	Coal Board
Badrika B.L.	Dy. F.M.	52,453	B.Com.	1.8.73	Taken over
Bose R.N.	A.O.	44,156	Matriculate	1.8.73	Taken over
Banerjee M.K.	Sr. A.O.	40,867	B.Com., ICWA (Intt)	12.4.74	CMPDIL
Banerjee J.M.	Secry	47,230	B.A.	1.5.73	Taken over
Biswas P.	P.S.	36,343	S.F.	1.9.82	CCL
Bit S.R.	P.S.	36,821	B.Sc.(D)	3.2.75	Fresh Appt.
Bagchi P.K.	Dy. M.M.	56,382	I.Sc., Dip. (M), 2nd Class MMC	1.8.73	Taken over
Bhattacharjee B.	Sr. S.O.	46,135	B.Sc., MBA	June '83	ECL
Behl Sushil	Sr. F.O.	46,627	M.Sc., MBA	13.4.82	WCL
Batia Smt. Champa	P.S.	41,348	B.A.	1.7.78	BCCL
Banerjee Sukanta	Sr. Clerk	41,479	B.Com.	1.5.73	Taken over
Bose Dilip Kr.	O.S.	47,197	Matric	1.5.73	Taken over
Bhandari Kashi Nath	U.D.C.	43,073	S.F.	1.5.73	Taken over
Bhattacharjee Amar	Sr. Clerk	38,307	Non-Matric	1.5.73	Taken over

# Particulars of Employees(contd.)

Name	Designation	Remun- eration	Qualifications	Date of Com- mencement of employ- ment	Last employment held
1	2	3	4	5	6
Basu Mazumder NK	Ch D/M	39,271	S.F., Dipl. in Draftmanship	1.5.75	CCL
Bhattacharjee S.J.	Ch. D/M	40,498	-do-	1.5.75	CCL
Biswas G.C.	Sr. Clerk	44,734	B.Com.	1.4.75	Coal Board
Banerjee A	O.S.	37,327	B.A.	1.5.73	Taken over
Bose D.K.	W/Supervisor	38,039	B.A., R.T.O.	1.5.73	CCL
Bose R.K.	O.S.	49,040	Matric	1.5.73	Taken over
Chacko V.I.	Secry	47,877	B.A.	1.8.73	BCCL
Chatterjee S.	S.O.	37,483	M.Sc.	March, '81	ECL
Chatterjee P.K.	E.E. (M)	36,610	B.E.(Mech.)	14.6.82	CCL
Chakraborty P.K.	Survey Officer	52,742	Mines Surveyors' Certificate	1.8.73	Taken over
Changmai S.M.	Dy. Supdt (Geo)	45,220	M.Sc. (Geology)	9.8.80	ECL
Choudhury M.S.	Survey Officer	46,881	B.Sc., Mines Supervisor's Certificate	14.4.74	CCL
Choudhury B.B.	Eng (E&M)	41,023	B.E. (E&M)	11.3.77	ECL
Chottopadhy P.K.	Dy. C.M.E.	54,321	Mining Eng, 1st Class MMC	7.7.82	BCCL
Chackraborty U.	M.M.	56,300	B.E. (Elect.)	29.9.82	CCL
Choudhury G.	Sr. P.O.	42,045	Intermediate	Dec, '84	BCCL
Chatterjee S.	P.O.	39,996	M.Sc.	1.5.73	Taken over
Chackraborty K.L.	Secry	48,291	Matric	1.5.73	Taken over
Chatterjee A.N.	Dy. C.F.M.	57,031	B.Com, AICWA	5.10.82	BCCL
Chatterjee S.C.	A.O.	38,760	B.Com, C.A. (INT)	10.7.79	ECL
Chakraborty S.C.	P.S.	38,752	B. Com (D)	8.7.82	CCL
Chakraborty K.C.	Dy. F.M.	49,325	B. Com., AICWA	1.6.82	CCL
Chakravarty A.N.	Sr. Clerk	39,269	Non-Matric	1.5.73	Taken over
Chakravarty P.K.	Asstt. Foreman	45,326	B.Sc., LME	1.5.73	Taken over
Chatterjee Kamalendu	Sr. Clerk	48,930	Non-Matric	1.5.73	Taken over
Chakravarty Prangopal	O.S.	40,814	Matric	1.5.73	Taken over
Chakravarty B.R.	Jr. Steno	37,352	H.S.	1.5.75	BCCL
Chakravarty Asim Kr.	Sr. Clerk	37,803	P.U.	1.4.73	Coal Board
Chakravarty D.R.	O.S.	44,154	B.Com (H)	1.4.73	Taken over
Choudhury P.K.	Sr. P.A.	38,664	Matric	1.5.73	Coal Board
Chakravarty J.C.	Sr. P.A.	39,656	S.F.	1.4.75	Taken over
Chatterjee S.K.	P.A.	37,676	B.Com(I)	1.5.75	ECL
Chakravarty B.C.	O.S.	38,507	Matric	1.4.75	Coal Board
Chakravarty A.K.	O.S.	38,609	P.U.	1.4.75	Coal Board
Choudhury A.P.	Sr. P.A.	37,541	B.A.	1.5.75	CCL
Doshi R.	S.M.	58,138	B.Sc.	1.8.73	ECL
Das Boiragya J.G.	Dy. C.F.M.	50,732	M.Com., AICWA	1.8.73	Taken over
Dutta M.K.	Sr. E.E.	43,090	B.E. (Elect)	6.4.81	CMPDIL
Das Dr. A.R.	M.O.	37,301	M.B.B.S.	1.2.85	ECL
Das Dr. U.C.	Sr. Specl. (Surg)	58,524	M.B.B.S., M.S.	8.3.83	Fresh Appt.
Dawan R.N.	Colly. Mgr.	64,253	B.Sc. (Mining)	1.8.73	Taken over
Deshpande P.D.	U.Mgr.	43,175	2nd Class M.M.C.	22.3.79	ECL
Das Dr. Binoy	M.O.	38,731	M.B.B.S.	31.3.86	Fresh Appt.
Dey B.	G.M.	63,000	I.Sc (M), 1st Class M.M.C	5.3.84	ECL
Dey J.L.	A.O.	42,523	B.Com.	4.10.57	WCL
Dutta P.B.	Dy. Co. Secry,	62,601	B.Com, ACs, ACIS(Lond), FICWA	26.2.82	BCCL
Dey C.K.	Dy. F.M.	50,822	B.Com., C.A.	May, 82	BCCL
Das C.R.	G.M.	59,288	B.Sc(M), 1st Class MMC	July, 81	CCL
Deb T.K.	C.G.M.	66,232	B.Sc(M), 1st Class MMC	11.11.75	CCL
Dasgupta J.P.	M.M.	55,695	B.Sc(M), 2nd Class MMC	1.8.73	Taken over
Das D.	P.S.	41,663	B.Com,	1.8.73	CCL
Dhar R.L.	P.M.	47,911	B.A, P.G. Dip. in Social Service	1.8.73	WCL
Das P.	Secry	48,581	B.Com	3.5.82	CCL
Dey D.	Dy. F.M.	53,972	B.Com.	1.8.73	Taken over
Dutta P.	A.O.	40,896	B.Com., AICWA	10.10.73	CCL

# Particulars of Employees(contd.)

Name	Designation	Remun- eration	Qualifications	Date of Com- mencement of employ- ment	Last employment held
1	2	3	4	5	6
Das Milan Kumar	Chief Comptist	36,065	M.A.	1975	CCL
Dey M.M.	O.S.	36,697	I.Com.	1.5.73	Taken over
Das Gupta A.	F.M.	49,882	B.Ed., M.A., M.Com., AICWA, ACS, LLB.	7.11.74	ECL
Damani B.K.	Sr. Clerk	37,619	B.A.	1.5.73	Taken over
Donald Miss Mc.	Sr. P.A.	37,433	Non-Matric	1.5.73	Taken over
Deb N.K.	Sr. P.A.	38,831	B.A.	1.5.75	CCL
Dey A.K.	Sr. Clerk	43,764	B.A.	1.5.73	Taken over
Doshi P.N.	O.S.	38,712	Matric	1.5.73	Taken over
Dutta P.K.	O.S.	36,958	B.Sc.	1.5.73	Taken over
Guha Choudhury S.K.	Dy. G.M.	64,454	B.Sc., (M), 1st Class MMC	1.6.79	Coal Controller
Ghosh Nirmalendu	Dy. S.M.	51,011	B.Sc., (M)	1.4.75	Coal Board
Goel Jawher Lall	Dy. S.M.	42,905	B.E., M.B.A.	1.4.75	ECL
Ghosh P.K.	S.E.(Civil)	45,428	LCE. BCE	11.1.83	EIL
Ghosh S.C.	Sr. E.E. (Elect).	41,362	B.E. (Elect).	27.4.81	ECL
Gulati A.K.	G.M.	69,008	M.Tech.	1.8.78	WCL
Goala P.N.	Sr. P.O.	47,795	M.A. (Sociology), LLB	1.8.73	Taken over
Gohain M.K.	P.M.	60,792	B.A., Dip. in Sociology.	1.8.73	Taken over
Gogoi Dr. Mridu Rani	M.O.	44,493	M.B.B.S.	23.10.81	Fresh Appt.
Gupta N.P.	U.Mgr.	38,998	B.Tech (Min), 2nd Class M.M.C.	27.8.81	"
Ganguly M.	Sr. EE (C)	48,548	B.E.,(C)	16.12.80	ECL
Ghosh S.K.	Dy. Ch. Trg. Mgr.	46,756	B.Sc.B.L. P.G., Dip in Ind. Mgmt.	1.7.81	BCCL
Ghosh S.P.	Sr. P.O.	44,340	B.Com, MBA	1.8.73	Taken over
Ghosh B.N.	P.S.	41,926	B.A.	1.4.75	Coal Board
Gupta M.L.	Sr. S.O.	40,257	M.B.A.	25.1.83	WCL
Ghosh S.	Dy. M.M.	47,008	B.E.(Mech)	11.12.84	CCL
Ghosh R.P.	Dy. F.M.	49,868	B.Sc., B.A., LLB, AICWA.	1.5.73	Taken over
Ghosh N.	Dy. F.M.	56,080	B.Com., AICWA	Jun, 83	WCL
Ghosh P.N.	C.V.O.	60,555	1st Class MMC	6.2.83	WCL
Ganapathy A.R.	Dy. C.F.M.	56,053	ACMA (UK)	13.9.76	Bertramscott India Ltd
Ghosh M.M.	Dy S.M.	52,190	B.Sc (D), BA(M)	1.9.82	ECL
Ghosh A.K.	Dy. F.M.	58,980	CAE	1.7.78	BCCL
Gupta S.K.	Sr. P.A.	38,054	I.Com.	1.5.73	Taken over
Ghosh Hrishikesh	O.S.	36,517	Matric	1.5.73	Taken over
Goswami K.J.	Sr. Clerk	37,137	H.S.	1.5.73	Taken over
Ghosh G.K.	O.S.	41,415	Matric	1.5.73	Taken over
Gorai B.K.	P.A.	36,132	B.Com (I)	5.4.76	CCL
Ghosh N.K.	O.S.	37,496	Matric	1.5.73	Taken over
Ghosh A.K.	O.S.	38,524	Matric	1.4.75	Coal Board
Ghosh N.C.	Driver	36,794	Non-Matric	1.5.75	ECL
Hamid Q.S.	Dy. S.M.	50,531	M.Sc.	1.11.75	CCL
Hoda M.	Eng (Elect)	42,972	MIAC.	1.8.73	Taken over
Hazarika H.P.	U. Mgr.	43,373	Mining Eng., 2nd Class M.M.C.	14.11.78	Fresh Appt.
Hassan S.	Eng. (Elect.)	39,204	B.E. (Elect.)	10.5.82	"
Hossain Wazir	Driver	41,902	Non-Matric	1.5.73	Taken over
Ichhprani A.S.	R.S.M.	49,609	B.E., 1st Class M.M.C.	2.11.83	
Joshi N.K.	Sr. S.O.	41,754	I.A.	19.10.81	ECL
Jain K.K.	Dy. C.S.M.	52,913	M.Com. LLB	Oct, 1983	ECL
Jha R.R.	Ex. Eng. (Excv)	45,769	B.E. (Mech)	19.1.82	Fresh Appt.
Jha M.N.	Dy. CME.	70,842	B.Sc.(M), 1st Class M.M.C.	1.8.73	Taken over
Jha M.N.	C.P.M.	60,151	B.A. DSWL	5.3.86	WCL
Jha S.L.	Sr. P.O.	55,683	I. Com.	1.8.73	Taken over
Jha Mahakant	Driver	49,306	Non-Matric	1.5.73	Taken over
Janakiraman K.	Sr. P.A.	37,694	S.F.	1.5.73	Taken over
Kar S.P.	Dy. C.S.M.	58,215	B. Com. Dip. in Journalism	1.10.75	CCL
Kumar D.	Dy. F.M.	40,800	B.A, CAS	12.1.81	CCL
Kainth B.S.	Sr. S.O.	44,268	M.Sc.	24.12.84	WCL
Khanna K.N.	Addl. C.E. (Elect.)	49,604	B.E. (Elect)	1.8.73	Taken over

# Particulars of Employees (contd.)

Name	Designation	Remun- eration	Qualifications	Date of Com- mencement of employ- ment	Last employment held
1	2	3	4	5	6
Kumar A.	Ex. Eng.	46,616	B.E. (C)	31.10.77	Fresh Appt.
Kar Dr. N.G.	Sr. M.O.	62,790	M.B.B.S.	1.8.73	Taken over
Kumar A.	Supdt. (M)	64,741	B.Sc (Mining), M.M.C.	1.8.73	Taken over
Kalita N.	Sr. P.O.	44,974	M.A. Pirs. Mgmt.	5.9.74	Fresh Appt.
Krishnan R.M.	Secry.	46,849	B.Com.	1.8.73	Taken over
Kachroo V.K.	Dy. S.M.	42,867	M.B.A.	16.2.85	BCCL
Kumar K.K.	Dy. F.M.	48,433	B.Com., ISGD, AICMA	Aug. 74	BCCL
Kumar O.	Sr. S.O.	40,124	Dip. in Mining, 2nd Class M.M.C.	1.8.73	Taken over
Kapila G.K.	R.S.M.	46,486	B.A., 2nd Class M.M.C.	1.8.73	Taken over
Kochummen P.	R.S.M.	41,232	B.Com.	5.6.86	—
Kundu N.G.	Dy. CME	60,946	B.Sc. (M), AISM. M.M.C.	April, 80	ECL
Khara V.R.	Economist	36,208	B.Sc (H), M.Sc., M (Phil)	15.3.83	Fresh Appt.
Kunhi Raman C.	O.S.D.	49,232	B.Com.	1.8.73	Taken over
Kumar R.	Sr. F.O.	49,040	B.Com. AICWA. (Inter), CAS (Part-I)	June, 81	BCCL
Krishnamurthy Sakuntala	Sr. P.A.	39,315	S.F.	1.5.73	Taken over
Khan Badsa	Driver	48,807	Non-Matric	1.5.73	Taken over
Kabi Jaganath	Driver	46,532	Non-Matric	1.5.73	Taken over
Kalam Md.	Driver	41,286	Non-Matric	1.5.73	Fresh Appt.
Karmakar Amalya	Driver	40,060	Non-Matric	1.5.73	Fresh Appt.
Khan Md. Zubair	Sr. P.A.	38,797	B.A.	1.4.75	Coal Board
Lahiri R.	Sr. P.O.	40,789	M.B.A.	26.3.84	ECL
Mani B.S.	Secry.	46,636	Matric	1.8.73	Taken over
Murthy A.S.R.	Dy. CE (E&M)	56,687	I.Sc., 2nd Class M.M.C.	25.8.87	CCL
Mukherjee D.K.	S.E. (E&M)	50,512	Dip. in Mech. Engr.	2.3.84	CCL
Mukherjee B.S.	EE (Telcom)	38,996	B.E. (Electronics & Tele)	21.2.86	CMPDIL
Menon N.V.R.	Dy. C.M.	64,352	B.A.	5.12.81	WCL
Mukherjee A.	Dy. M.M.	52,123	B.E. (Mech.)	2.3.84	CCL
Mazumdar S.	S.E.	59,539	I.Sc., Dip. in Mech. Eng.	15.10.79	CCL
Mukherjee K.C.	P.M.	55,460	B.Sc., D.S.W.	31.12.80	BCCL
Mukherjee R.N.	P.O.	43,560	B.Sc.	1.4.75	Coal Board
Manoharan P.S.	Ch. Legal Manager	57,982	M.Com., LLB., Dip. Public Adm.	5.12.80	BCCL
Moullick A.	Sr. A.O.	50,031	—	1.4.75	Coal Board
Mukherjee M.	Dy. F.M.	47,553	M.Com., AICWA	1.8.73	Taken over
Mishra S.K.	A.O.	36,611	B.Com., AICWA (Inter)	1.8.73	Taken over
Mazumder M.S.	Sr. F.O.	41,572	B.Com.	June, 81	BCCL
Mukherjee Swaraj	S.M.	54,588	B.Sc. (M), 1st Class	Nov. 80	BCCL
Moitra G.K.	S.M.	58,888	B.Sc. (P). Adm. Fuel. Tech. Exam.	1.4.75	Coal Board
Mitra S.K.	Dy. S.M.	54,714	B.Sc. SFT (A)	1.4.75	Coal Board
Mukherjee J.	Dy. S.M.	56,270	Isc. Inter in Fuel Tech.	1.4.75	Coal Board
Mitra P.K.	S.E. (M)	48,747	B.Tech. (Mech.)	18.11.82	IEL
Mitra S.K.	S.O.	45,668	Matric	1.8.73	Taken over
Mondal J.K.	A.O.	39,106	B.Com. A.C.A.	1.8.73	ECL
Mishra J.P.	Dy. S.M.	41,903	M.Tech. M.E.	1.8.73	CCL
Mukherjee U.N.	Sr. E.E. (C)	40,947	B.E. (Civil)	2.2.81	CMPDIL
Mukherjee P.K.	Sr. S/P.O.	43,090	B.Sc.	1.8.73	Taken over
Mehta A.K.	Dy. CME	68,053	B.Sc. (M), 1st Class M.M.C.	1.8.73	Taken over
Mazumdar A.C.	Dy. F.M.	57,974	B.Com.	1.8.73	Taken over
Mathur U.R.	Sr. F.O.	42,912	B.Sc., C.A.	30.6.81	UTM
Menon C.S.	Secry.	46,364	SSLC	1.8.73	Taken over
Mazumdar P.B.	Dy. CMM	59,180	B.E. (Elect.), 1st Class M.M.C.	4.11.85	CCL
Mukherjee S.K.	Addl. CVO	58,432	B.A. DSW.	20.10.81	CCL
Mukherjee Dr. S.	Dy. Ch. Gco	59,632	Doctorate in Geology	6.8.82	CMPDIL
Mukherjee S.	Asst. Stat Mgr.	54,675	M.Sc. (Stat)	21.4.81	ECL
Mukherjee S.	Ex. Eng. (C)	40,742	B.E.(C)	26.9.82	BCCL
Mahajan Jagut Bahadur	Driver	47,320	Non-Matric	1.5.73	Taken over
Mukherjee Rashbehari	Driver	43,849	Non-Matric	1.4.75	Coal Board
Mukherjee C.	U.D.C.	39,190	B.Com.	1.5.73	Taken over



# Particulars of Employees(contd.)

Name	Designation	Remun- eration	Qualifications	Date of Com- mencement of employ- ment	Last employment held
1	2	3	4	5	6
Muralidharan T.	Sr. P.A.	40,325	B.A.	1978	ECL
Mitra K.P.	O.S.	39,236	I.Com.	1.4.75	Coal Board
Nath A.D.	U.M.	42,237	2nd Class M.M.C.	16.9.76	Fresh Appt.
Neogy S.K.	T.O.	36,161	B.Com.	1.5.73	CCL
Nandy S.N.	Dy. CME	55,710	1st Class M.M.C.	23.2.82	WCL
Naha R.D.	Dy. P.M.	52,749	B.Com.	1.8.73	Taken over
Nair K.K.A.	Secry.	48,470	B.Com.LLB	1.8.73	Taken over
Neogy. B.C.	F.M.	58,878	M.Com.AICWA	12.2.81	CCL
Ojha P.	Sr. S.O.	40,781	B.Com.	1.8.73	Taken over
Patni K.C.	Dy. G.M.	67,295	M.Sc. (M), 1st Class, M.M.C.	1.8.73	BCCL
Pamar S.S.	Dy. CME	64,356	B.Sc. (M), 1st Class, M.M.C.	1.8.73	Taken over
Prakash C.	Dy. M.M.	51,295	B.Sc. M.B.A.	2.6.75	Fresh Appt.
Prasad B.	Dy. CME	70,376	B.Sc.(M), M.M.C.	1.8.73	Taken over
Phukan B.N.C	Survey Officer	51,915	M. Surveyership	1.8.73	Taken over
Pal D.K.	P.S.	41,822	B.A.	17.4.78	CCL
Pandey I.B.	G.M. (MP & IR)	71,745	B.A. (Shastri), MASM	12.3.86	NCL
Paul B.M.	Secry.	47,932	Matric	1.8.73	Taken over
Purohit J.D.	Asst. Legal Manager	49,989	B.Com, LLB	1.8.73	Taken over
Pillai K.N.V.	Dy. S.M.	53,166	S.S.L.C.	—	—
Paul Ranjit K.	A.O.	37,775	B.Com, ACA	1.8.73	ECL
Prakash Satya	R.S.M.	49,491	I.Sc., 2nd Class, MMC	21.10.83	WCL
Pandey Amarnath	Driver	48,390	Non-Matric	1.5.73	Taken over
Roy P.C.	Dy. S.M.	54,469	B. Sc.	22.4.82	—
Roy Amitava	Dy. S.M.	48,665	B. Sc., P.G.D.B.M.	June, 81	ECL
Roy Dr. M.R.	Sr. M.O.	61,088	M.B.B.S.	1.8.73	Taken over
Roy S.K.	Sr. E.E.(C).	57,658	B.Sc., (Eng), AMI	22.1.82	Fresh Appt.
Rama Rao P.K.	S.E. (E&M)	65,594	B.E. (Elect), B.Tech	1.8.73	Taken over
Roy A.	Mgr. (Opr.)	59,501	B.E. (M), 1st Class MMC	1.8.73	Taken over
Rahman Dr. S.A.	Sr. M.O.	63,960	M.B.B.S.	1.8.73	Taken over
Raha S.K.	Asst. Eng (E&M)	46,791	Elect. Sup. Certificate	1.8.73	Taken over
Roy A.K.	Estate Manager	54,121	B.A. LLB. W.B.C.S (R)	1.9.82	Govt. of West Bengal
Roy Dilip	Sr. Ex. Eng(C)	51,684	B.E. (C)	4.1.82	CMPDIL
Roy S.K.	Sr. P.O.	43,120	M.A.	Nov, 81	ECL
Routh S.R.	F.M.	64,372	B.Com. C.A.S.	25.2.80	CCL
Ram P.K.	Dy. F.M.	49,344	B.Com. CAS	31.7.81	CCL
Roy S.N.	A. A. O.	40,477	B.Com. CIL A/cs Exam.	1.8.73	CCL
Ramacharan G.S.	Sr. A.O.	46,904	B.A. (Hons)	23.10.73	Fresh Appt.
Rahman Motiur	Driver	39,457	Non-Matric	1.5.75	Fresh Appt.
Roy Choudhury Dipti Kr.	Driver	41,259	Non-Matric	1.5.75	BCCL
Raja S.K.	Electrician	46,626	Non-Matric	1.5.73	Taken over
Ray Rajnarain	Peon	39,495	Non-Matric	1.5.73	Taken over
Ray Miss. Shefali	Sr. P.A.	46,040	B.A.	1.5.73	Taken over
Roy Alok Kr.	O.S.	40,168	P.U.	1.5.73	Taken over
Roy A.K.	Ch. D. Men.	40,205	Matric. Draftmanship(C)	1.4.75	Coal Board
Roy M.K.	O.S.	46,255	B.Com.	1.4.75	Coal Board
Roy N.R.	O.S.	42,805	I.Com.	1.5.73	Taken over
Roy A.K.	O.S.	37,746	I.Com.	1.5.73	Taken over
Routh B.	Driver	49,495	Non-Matric	1.5.75	ECL
Sen A.R.	Dy. CME	59,756	B.Sc (M), 1st Class M.M.C.	15.2.82	ECL
Samanta S.K.	Ex. E. (E&M)	39,654	B.E. (E&M)	23.1.78	CCL
Sinha B.B.	S.M.	58,731	B.Sc. (Fuel. Tech.)	1.4.75	Coal Board
Saha S.K.	Supdt. (M)	53,434	B.Sc. (M), 1st Class M.M.C.	1.7.74	WCL
Sen Gupta D.	Mgr. System	52,763	Ph. D., 1st Class	1.4.82	CMPDIL
Sen A.K.	Corporate Planner	64,613	B.Sc. (M), 1st Class MMC.	16.4.82	CMPDIL
Sen K.K.	Jr. Economist	38,230	M.A.	1.7.77	CMPDIL
Sinha R.N.	Estate Manager	57,639	M.Sc.	1.5.73	CCL

# Particulars of Employees(contd.)

Name	Designation	Remun- eration	Qualifications	Date of Com- mencement of employ- ment	Last employment held
1	2	3	4	5	6
Sammadar B.	Estate officer	38,696	B.Com. Diploma in SW (LW) and Stat	1.4.75	Coal Board
Sharma G.C.	Dy. C.M.E.	53,175	B.Sc. (M), AISM M.M.C.	23.2.82	ECL
Sarkar H.	S.E. (C)	49,335	B.E. (C), M. Tech (C)	1.7.75	CCL
Sen A.	S.E. (E&M)	53,137	M.E (E&M)	10.10.83	CCL
Sarkar P.K.	Sr. Ex. Eng (Excvt)	42,009	B.E. (Mech)	1.9.82	CCL
Sengupta C.R.	Eng. (E&M)	41,354	S.F. LME	9.12.77	CCL
Srivastava S.K.	R.S.M.	44,478	B.Sc. B.E.	27.8.86	WCL
Sur Roy A.K.	Dy. F.M.	50,615	B.Com. CAS	21.8.73	CCL
Srivastava R.P.	R.S.M.	46,551	B.A. (Hon)	1.8.73	CCL
Saikia, Robin	M.O.	41,936	M.B.B.S.	24.11.82	Fresh Appt.
Sastry U.P.	Ex. Eng (Elect)	51,368	B.E. (Elect)	23.7.74	"
Samanta A.K.	Asst. Manager	61,652	1st Class M.M.C.	1.8.73	Taken over
Sahi R.G.	Under Manager	43,008	2nd Class M.M.C.	9.1.81	Fresh Appt.
Saxeana B.K.	Ex. E. (Excvt)	38,789	B.E (Mech)	4.4.81	"
Singh V.N.	C.M.	57,203	1st Class M.M.C.	1.8.73	Taken over
Saini H.R.	Eng (Elec)	52,270	Elect. Sup. Certificate	1.8.73	"
Sur. N.C.	C.M.	57,600	1st Class M.M.C.	1.8.73	"
Singh Krishna	U.Mgr.	42,436	2nd Class M.M.C.	27.11.78	Fresh Appt.
Sarkar D.K.	Survey Offi.	53,948	Ming. Surv. Certificate Exam.	1.8.73	Taken over
Sarkar S.K.	C.M.	60,411	B.Sc. (M), 1st Class M.M.C.	1.8.73	"
Seal S.N.	U.Mng.	40,082	B. Tech (Mining)	30.7.82	Fresh Appt.
Sharma M.S.	Secy.	45,839	S.S.L.S.	1.8.73	Taken over
Singh M.	Advisor	69,450	IAS	27.4.84	Govt. of Bihar
Singh H.K.	Sr. Mining. Eng	47,192	B.Sc. C.M., 1st Class M.M.C.	1.7.84	BCCL
Sahay K.B.	Sr. P.O.	44,051	M.A.	1.5.75	CCL
Sharma K.B.	P.M.	51,080	B.Sc. M.S.W.	30.12.76	WCL
Shah S.G.	Dy. C.P.M.	58,756	MA., LLB.	1.11.76	WCL
Swamy JSK	P.M.	49,232	MA., LSW	23.11.83	CCL
Singh R.A.	C.O.F.	65,807	A.C.A.	5.11.84	CMPDIL
Sengupta P.K.	C.F.M.	69,748	B.Com., I.C.W.A (FMBl.) Management AMICWA	31.12.72	CCL
Sanyal S.K.	Dy. C.F.M.	59,394	(I)	5.4.80	BCCL
Sen Roy Mrs P.	F.M.	52,569	AICWA	1.9.74	ECL
Singh Gurucharan	Dy. S.M.	38,054	B. Com. C.A.	1.9.76	BCCL
Sharma S.M.	R.S.M.	69,615	B.A, M.B.A.	27.12.85	WCL
Sinha B.P.	A. RSM	55,437	M.A, Dip. in Mrktg	28.2.84	-
Sharma R.	Dy. M.M.	55,182	M.Sc. (Geology)	3.12.84	CCL
Sinha A.K.	Dy. M.M.	43,305	B.E.	17.11.84	BCCL
Sarkar Dr. A.	Medical Supdt.	64,356	B.A. (Hons), Geography, HMM.	9.10.80	CCL
Sahagal H.G.	Ch. Sales Manager	56,360	M.B.B.S., Dip. in Public Health	11.1.86	BCCL
Saha S.K.	P.S.	42,693	1st Class B. Tech. (M)	1.8.73	CCL
Sen Amarjit	S. M.	58,888	I.Sc.	1.8.73	CCL
Sinha R.N.	Sr. Stat. Officer	43,320	M. Sc. (Geology)	1.5.75	Coal Board
Singh Rajender	R. S. M.	58,789	M.Sc. (Stat)	1.8.73	CCL
Singh B.K.	Dy. S.M.	42,510	2nd Class. M.M.C.	10.7.81	CCL
Sinha P.S.	R. S. M.	57,000	M.Sc.	1.8.73	ECL
Singh S.M.	Dy. S.M.	37,782	1st Class M.M.C.	15.10.79	BCCL
Singh K.B.P.	Dy. S.M.	48,800	M.A.	10.9.74	BCCL
Singh A.P.	Dy. S.M.	46,800	B.Sc.	4.9.78	CCL
Sinha S.	Ex. Eng. (C)	37,906	2nd Class, M.M.C.	5.3.84	BCCL
Sajjad. Dr. Akbar	Medical Supdt.	48,525	B.E. (Civil)	14.6.82	CCL
Sah. Abidi.	Colly. Manager	60,111	M.B.B.S.	1.8.73	Taken over
Singh S.K.	Sr. P.O.	40,572	B.Sc (M), 1st Class MMC	1.8.73	Taken over
Singh Gurjit	Sr. F.O.	37,825	M.A, M B A	5.5.81	TISCO
Senapati Dr. Utpala	M.O.	47,246	M.B.A.	29.10.81	Fresh Appt.
Sen Prakash Ch.	O.S.	37,266	M.B.B.S.	15.5.80	Fresh Appt.
Singh Rajinder	Driver	52,987	B.Com.	1.5.73	Taken over
			Non-Matric	1.5.73	Taken over

## Particulars of Employees(contd.)

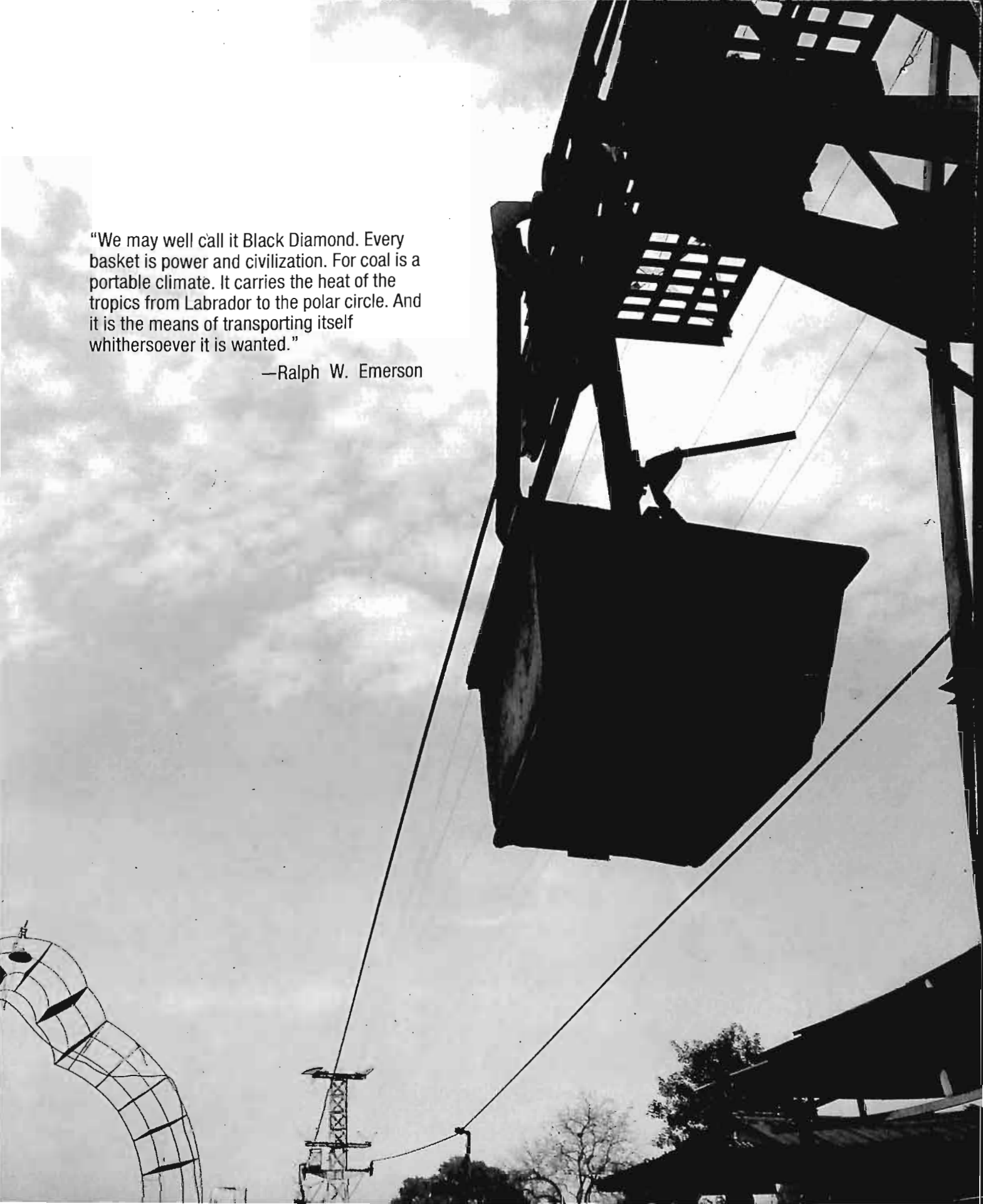
Name	Designation	Remuneration	Qualifications	Date of Commencement of employment	Last employment held
1	2	3	4	5	6
Shamal Sadhu Charan	Driver	41,592	Non-Matric	1.5.73	Taken over
Shaw Ranjit Kr.	Driver	55,394	Non-Matric	1981	CCL
Singh Satyanarayan	Driver	38,943	Non-Matric	1.5.75	Fresh Appt.
Samasundaran T.	O.S.	38,176	S.S.L.C.	1.5.73	Taken over
Seal Ranjit Kr.	O.S.	37,450	Matric	1.5.73	Taken over
Singh Udainarain	Security Incharge	54,186	Non-Matric	1.5.73	Taken over
Sil Barindra Nath	Security Inspector	47,233	B.A.	23.7.82	Fresh Appt.
Samanta T.K.	Sr. P.A.	37,065	B.Com.	1.5.78	Taken over
Saviour, Maj. I.P.	Asst. Tel. Supdt.	38,039	H.S.	1.5.75	Fresh Appt.
Tala Patra A.C.	Dy. S.M.	47,877	M.Sc. 1st Class (Geolgy)	15.5.84	ECL
Thomas A.V.	P.S.	41,054	B.Sc. Dip in Secretaryship	1.8.73	Taken over
Tewari K.K.	C.M.	47,465	B.Sc. (M), M.M.C.	1.8.73	Taken over
Thakuria A.C.	Asst. C.M.	58,979	B.Sc.(M) M.M.C.	31.8.74	Fresh Appt.
Tewari Y.	Under Mng.	39,137	B.Sc. (M) M.M.C.	19.8.84	"
Thakur I.	Survey	51,594	Mining Surveyorship	1.8.73	Taken over
Thamper, Maj. K.V.	Foreman	47,985	Matric	1.5.75	Fresh Appt.
Verma R.K.	Dy. C M E	62,129	B.Sc (M), 1st Class MMC	7.4.86	SECL
Verma A.K.	Supdt. Geolgy	55,212	M.Sc. (Geolgy)	1.8.73	Taken over
Vargava J.	Dy. OPRM	68,220	B.Sc. Dip. Journalism	1.8.77	WCL
Vegad D.R.	Co-ordination Officer	47,269	Matric	1.8.73	Taken over
Wadhawan I.P.	Ch. G.M.	66,232	B.Com (H)	8.3.83	CCL
Yadav Shivdayal	Driver	48,192	Non-Matric	1.5.73	Taken over
Yadav Panalal	Peon	42,364	Non-Matric	1.5.73	Taken over
Zamaluadin Md.	Driver	48,643	Non-Matric	1.5.75	ECL

## B. Employed for Part of the Year

Anantharaman P.	C.M.M.	9,140	I.Sc. AMEB(I), Sce A & B	25.5.85	WCL
Anand N.K.	R.S.M.	16,271	B.Sc(M). M.E., AISM, M.M.C.	1.8.73	Taken over
Bose S.K.	Advisor	80,328	B.E. (Mining), 1st Class M.M.C.	7.7.80	Dept. of Coal
Bajaj Y.P.	C.E. (Exet.)	19,580	B.E. (Mech)	1.8.84	CCL
Bajaj N.K.	Dy. C.F.M.	38,882	A.C.A.	April, 84	BCCL
Bhandari G.R.	C.P.M.	4,875	M.A. Depl. in I R & W	28.9.84	WGL
Bhattacharyya BK	Dy. C.F.M.	29,567	M.Com. A.C.A.	1.8.73	Taken over
Bhatt. P.	A.C.P.R.M.	23,263	M.A.	1.11.86	CCL
Basu S.C.	Supdt (Mines)	57,502	B.E. (Mines), 1st Class M.M.C.	1.6.86	CCL
Bhattacharjee K.	E.E.	21,168	B.Sc.(Eng.), MBA	1.9.86	CCL
Bole G.V.	RSM	50,872	B.A., LLB	June, 86	-
Bhan R.K.	S.O.	15,720	MBA	30.12.85	-
Chattarjee A.K.	Ex. C.G.M.	30,547	B.Sc. (M), 1st Class. M.M.C.	1.8.73	Taken over
Chakraborty H.C.	Addl. CPM	23,548	B.Sc.(Chem)	4.12.80	CMPDIL
Chattarjee B.	C.G.M.	44,738	B.E. (Chem)	16.6.87	HFCL
Chandra A.S.	O.S.D. (Powr)	9,349		1.7.86	RSEB
Chatterjee A.K.	O.S.D. (T.S)	43,213	B. Sc. (Mining)	5.10.82	CCL
Chattaraj K.	Sr. P.O.	23,674	B.A.	1.4.75	Coal Board
De. R.K.	Sr. P.O.	34,189	B.A.	1.8.73	Taken over
De. A.K.	Dy. C.P.M.	22,839	B.S.C.M.A., LLB (DSW)	17.11.86	ECL
DiDDIC S.M.	G.M.	40,921	B.Sc. (Mines), 1st Class M.M.C.	12.8.86	CCL
Dey B.P.	Supdt. (Mines)	52,675	Dipl. in Mining, 1st Class M.M.C.	26.5.86	CCL
Dixit P.C.	R.S.M.	38,924	B.A., LLB	1.8.73	BCCL
Ghosh M.	Dy. F.M.	42,894	M.Com. AICWA	27.1.81	WCL
Ghosal S.K.	A.O.	34,371	B.A., AICWA, Dipl. B.M, CAS.	1.7.73	CCL
Goswami G.C	T.S. Secry	53,558	B.A.	1.4.75	Coal Board
Ghosh N.L.	Adm. Officer	14,010		19.7.82	CCL
Guha P.S.	A.O.	24,496	B.Com. I.C.W.A. (Init.)	25.8.86	ECL
Ghosh Dr. S.K.	C.G.M.	20,698	P.H.D.	8.12.86	BCCL

# Particulars of Employees(contd.)

Name	Designation	Remun- eration	Qualifications	Date of Com- mencement of employ- ment	Last employment held
1	2	3	4	5	6
Goshwami K.B.	T.S. to Chairman	53,776	B.Sc.(M), 1st Class M.M.C.	21.4.86	WCL
Hossain A.B.W.	Supdt. (Mins).	29,911	BE(M), 1st Class M.M.C.	23.8.86	WCL
Jadav P.P.	O.S.D.	45,240	M.A., B.L.	25.7.86	BCCL
Jha Jie Govind	Sr. P.O.	22,523	LLB, IUD, B.A.	15.10.86	ECL
Jha. M.	Director (T)	17,717	AISM, P.G. Dipl. in Mining, 1st Class MMC.	June, 83	CCL
Krishna Murthy S.V.	C.S.M.	45,818	1st Class MMC, AISM	1.7.86	WCL
Kumar Dr. K.	C.M.S.	29,352	M.B.B.S., P.G.D., MRCOG, FRCOG.	1.8.84	WCL
Kanungo R.	C.M.M.	77,142	LLB, MBA	7.5.86	NMTC
Kochummen Philip	R.S.M.	7,847	B.Com.	Apr, 86	-
Mallik D.	Dy. C.S.M.	36,516	B.A.(H)	24.7.86	CCL
Mishra R.N.	Ch. of Copt. Planing	19,522	B.Sc.(M), 1st Class M.M.C.	2.6.80	BCCL
Mukherjee B.K.	Supdt. (Mines)	12,003	1st Class MMC	1.8.73	ECL
Mehta Ashok	Addl. CE (IED)	29,025	ME., AISM, M.Tech. in 2nd Class Engr.	6.10.86	BCCL
Menon K.T.P.	S.E. (Excvt.)	26,832	B. Sc., Dip. in M.E.	Jul, 86	-
Mitra S.K.	C.O.T.	49,087	M.Tech.	23.4.86	SAIL
Net. B.S.	Addl. C.E. (Excvt.)	31,718	Dipl. in Mech. Engr.	23.10.86	NCL
Narayanan K.D.L.	Dy. S.M.	51,200	B.A., 1st Class Adv. F T	1.6.86	-
Pai. R.B.	Addl. C.F.M.	9,548	B.Sc.A.I.C.W.A.	1.8.73	ECL
Pandey I.D.	Dy. CSM	18,709	M.A., Dip. in W. Law	15.3.86	Fresh Appt.
Rao K.V.	Dy. FM	44,051	B.Com., S.A.S.	1.1.75	BCCL
Roy Barman H	Sr. Mining Eng	49,980	B.Sc., 1st Class (UK)	1.8.73	ECL
Roy A.K.	S.E. (E&M)	42,151	B.E.	4.6.86	CCL
Singh A.K.	Sr. S.O.	11,282		1.1.87	SECL
Saxena R.B.	Dy. P.M.	60,814	B.A. L.L.B.	1.4.75	Coal Board
Sinha Roy R.K.	P.M.	47,589	B.Com, MAS	20.1.76	ECL
Singh A.P.N.	P.R.M.	8,445		6.6.86	
Sengupta G	Dy. C.M.E.	4,870	B.Sc. (Mining)	22.10.80	WCL
Salodkar S.S.	Chief of PSP	14,335	B.Sc. (Mining)	7.7.81	BCCL
Srinivasan R	Addl. C.F.M.	32,558	AICW	9.4.73	CCL
Somhosivulu	C.E. (I.E.)	21,206	BE (M), PG Dip. in 1nd Engr.	1.12.86	Fresh Appt.
Sinha A.P.	G.M. (P)	55,256	M.Com. DSW	3.4.86	ECL
Sethi N.N.	Dy. C.M.M.	49,913	M.Com.	3.6.86	SAIL
Sengupta N.G.	Ex-Eng.	3,583	Dip. in Elect. Engr.	1.3.87	BCCL
Singh S.M.	Sr. F.O.	13,557	B.Com., C.A.S.	1.9.73	WCL
Sharma S.S.	Sr. P.O.	31,919	B.A.	8.3.82	CCL
Singh Smt. Suneeta	S.O.	1,499	M.BA	18.4.84	CCL
Siddique Z.A.	R.S.M.	15,557	B.A. (Hons.)	1.9.73	Fresh Appt.
Tripathi H.N.	G.M.	34,136	1st Class MMC	18.11.86	BCCL
Verma G.P.	Dy. M.M.	43,305	B.Sc.	1.4.74	BCCL



"We may well call it Black Diamond. Every basket is power and civilization. For coal is a portable climate. It carries the heat of the tropics from Labrador to the polar circle. And it is the means of transporting itself whithersoever it is wanted."

—Ralph W. Emerson

स्वतंत्रता के चालीस वर्ष

FORTY YEARS OF FREEDOM

1947-1987

