

**ANNUAL REPORT & ACCOUNTS
2015-16**



EASTERN COALFIELDS LIMITED

(A Subsidiary of Coal India Limited)

SANCTORIA , P.O. DISHERGARH, DIST. BURDWAN

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MANAGEMENT DURING 2015-16

FUNCTIONAL DIRECTORS:

Shri Rakesh Sinha
Chairman-cum-Mg. Director
(upto 31.05.2015)

Shri Chandan Kumar Dey
Chairman-cum-Mg. Director
(additional charge) (w.e.f. 01.06.2015)

Shri S. Chakravarty
Director (Technical) Opn. (upto 09.10.2015)

Shri K.S. Patro
Director (Personnel)
Director [(Finance) (additional charge)
(from 05.06.2015 to 28.09.2015)]
Director [(Technical) (additional charge)
(w.e.f 01.03.2016)]

Shri B.R. Reddy
Director (Technical) P&P (upto 29.02.2016)

Shri A.M. Marathe
Director (Finance) (w.e.f 29.09.2015)
Director [(Technical) (additional charge)
(w.e.f 01.03.2016)]

PART-TIME OFFICIAL DIRECTORS:

Shri V. Peddanna
Joint Secretary, MoC

Shri Chandan Kumar Dey
Director (Finance), CIL

NON-OFFICIAL PART-TIME DIRECTORS:

Prof. (Dr.) Indira Chakravarty
(w.e.f 17.11.2015)

COMPANY SECRETARY:

Shri V.R. Reddy

MANAGEMENT AS ON 16th July, 2016

FUNCTIONAL DIRECTORS:

Shri Chandan Kumar Dey
Chairman-cum-Mg. Director (additional charge)

Shri K.S. Patro
Director (Personnel)
Director [(Technical) (additional charge)]

Shri A.M. Marathe
Director (Finance)
Director [(Technical) (additional charge)]

PART-TIME OFFICIAL DIRECTORS:

Shri V. Peddanna
Joint Secretary, MoC

Shri C.K. Dey
Director (Finance), CIL

NON-OFFICIAL PART-TIME DIRECTORS:

Prof. (Dr.) Indira Chakravarty

COMPANY SECRETARY:

Shri V.R. Reddy

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BANKERS DURING 2015-16

State Bank of India	Axis Bank	Bank of Baroda	United Commercial Bank
Union Bank of India	United Bank of India	Oriental Bank of Commerce	Canara Bank
Bank of India	Punjab National Bank	Allahabad Bank	Corporation Bank

STATUTORY AUDITOR DURING 2015-16

1. M/s M Choudhury & Co., 162, Jodhpur Park, Kolkata-700068.

BRANCH AUDITORS :

2. M/s U S Saha & Co., 228 Kamalalaya Centre, 2nd Floor, 156 A Lenin Sarani, Kolkata-700013.
3. M/s R P Boobna & Co., Karnani Estate, 209 AJC Bose Road, 2nd Floor, Room No.-87, Kolkata-700017
4. M/s Gupta & Co. 53A, Mirza Ghalib Street, Flat No. 3C, Kolkata-700016
5. M/s Virendra Surana & Co., Near Vivekananda College, Sripalli, Burdwan-713103
6. M/s Roy Ghosh & Associates, 39, Kalna Road, Badamtala, Burdwan-713401

COST AUDITORS DURING 2015-16

1. M/s B.G. Chowdhury & Co., Sree Appartments, 4A, 11/47A Panditya Road, Kolkata-700029
2. M/s Mani & Co., Ashoka, 111 Southern Avenue, Kolkata-700029
3. M/s Datta Ghosh Bhattacharya & Associates, 37 Gobindo Bose Lane, Kolkata-700025
4. M/s M.G & Associates, Punjabi Para, RN Road, Burnpur, Asansol, Dist.: Burdwan-713325
5. M/s Basu Banerjee Chakraborty Chattopadhyay & Co., 42/B Shibtala Street, Hooghly-712258
6. M/s ATM & Associates, 36/1 Block A, Bangur Avenue, Kolkata-700055

INTERNAL AUDITORS DURING 2015-16

1. M/s Abhijit Dutta & Associates, 8/2 Kiran Sankar Roy Rd, Room-2&3, 2nd Floor, Kolkata-700001.
2. M/s D N Dokania & Associates, 103A, Shanti Bhawan, Bank More, Dhanbad-826001.
3. M/s S.K. Mallick & Co., Bikaner Bldg., 8-B Lal Bazar Street, 1st Floor, Room-2, Kolkata-700001.
4. M/s Mitra Ghosh & Roy, Room No.-5, 33/B, Lake Avenue, Kolkata-700026.
5. M/s K.L. Banerjee & Co., Hastings Chambers, 7C, Kiran Sankar Roy Rd., Kolkata-700001.
6. M/s S.K. Bhattachariya & Co., 4, Kiran Sankar Roy Rd., Raja Chambers, Kolkata-700001.
7. M/s Amit Ray & Co., 5-B Sardar Patel Marg, Allahabad-211001.
8. M/s A.J.S & Associates, 55-B, SP Mukherjee Rd., 1st Floor, Near Hazra Crossing., Kolkata-700026.
9. M/s N.C. Mittal & Co., Behl House, 13, Daryaganj, New Delhi-110002.
10. M/s H.P. Jhunjhunwala & Co., 907, Marshal House, 33/1 NS Road, Kolkata-700001.
11. M/s P.D. Rungta & Co., 21, Hemanta Basu Sarani, 3rd Floor, Room No.-317, Kolkata-700001.
12. M/s SBA Associates, 27, Mirza Ghalib Street, 5th Floor, Kolkata-700016.
13. M/s K.N. Jain & Co., 2, Lal Bazar Street, 2nd Floor, Room No.-204, 205, Kolkata-700001.
14. M/s G G M & Co., 503, Parnasree, RIC More, Kolkata-700060.
15. M/s A.R. Maiti & Co., Centre Point, Room-442, 21 Old Court House Street, Kolkata-700001.

REGISTERED OFFICE OF THE COMPANY

CMDs Office, Sanctoria, Post-Dishergarh, District- Burdwan, Pin-713333

Mission Statement

To produce and market the planned quantity of coal and coal products efficiently and economically in an eco-friendly manner with due regard to safety, conservation and quality.

Vision Statement

To emerge as a global player in the primary energy sector committed to provide energy security to the country by attaining environmentally & socially sustainable growth through best practices from mine to market.

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EASTERN COALFIELDS LIMITED

ईस्टर्न कोलफील्ड्स लिमिटेड
अध्यक्ष-सह-प्रबंध निदेशक का कार्यालय
सांकतोड़िया, पत्रालय - डिसेरगढ़,
जिला - बर्द्धमान, पश्चिम बंगाल -713333
कंपनी सचिवालय
सी.आइ.एन.-U10101WB1975GOI030295
वेबसाइट - www.easterncoal.gov.in



Eastern Coalfields Limited
Office of the Chairman-cum-Managing Director
Sanctoria, P.O. Disergarh- 713333,
Distt. Burdwan (W.B.)
Company Secretariat
CIN: U10101WB1975GOI030295
Website : www.easterncoal.gov.in

Telefax : 0341-2520546
E-mail: eclcos17a@gmail.com

16th June, 2016

Ref.No. ECL:CS: 15(2016)/ 3046

NOTICE

Notice is hereby given that the Forty First Annual General Meeting of the Shareholders of Eastern Coalfields Limited will be held on **Monday, the 11th July, 2016** at the Registered Office of the Company at Sanctoria, P.O. Disergarh-713333, Dist.-Burdwan (West Bengal) **at 11:00 A.M.** to transact the following businesses.

ORDINARY BUSINESS:

- To receive, consider and adopt the Audited Balance Sheet as at 31st March, 2016, Statement of Profit and Loss for the financial year ended 2015-16, Cash Flow Statement together with all Notes, Additional Notes on the Financial Statements and Significant Accounting Policy for the year 2015-16, the Reports of Statutory Auditor & Comptroller & Auditor General of India and Directors' Report.
- To appoint a Director in place of Shri Chandan Kumar Dey (DIN-03204505), Director, who retires by rotation in terms of Section 152(6) of the Companies Act 2013 and being eligible, offers himself for reappointment.

SPECIAL BUSINESS:

- To consider and if thought fit pass the following resolution with or without modification as an Ordinary Resolution:

“RESOLVED THAT Cost Auditors appointed by the Board of Directors for the financial year 2015-16 for undertaking Cost Audit work of the company be and are hereby paid the following remuneration pursuant to Section 148(3) of the Companies Act 2013:

Sl.No.	Name of Cost Auditors	Remuneration for Cost Audit for the year 2015-16 (in ₹)
1	M/s B.G. Chowdhury & Co	1,67,344/-
2	M/s Mani & Co.	95,703/-
3	M/s Datta Ghosh Bhattacharya & Associates	85,313/-
4	M/s M.G. & Associates	68,359/-
5	M/s Basu Banerjee Chakraborty Chattopadhyay & Co.	63,438/-
6	M/s ATM & Associates	51,406/-
	Total –Rupees Five Lakh thirty one thousand five hundred and sixty three only.	5,31,563/-

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ANNUAL REPORT 2015-16

In addition to above, the travelling and out of pocket expenses will be restricted to 50% of the remuneration as mentioned above subject to production of documentary evidence. Service Tax etc. shall be paid extra as applicable on furnishing the registration number with the appropriate authority”

4. To consider and if thought fit pass the following resolution with or without modification as a Special Resolution:

“RESOLVED THAT the proposed amendments in Clause 32(a) of Articles of Association of Eastern Coalfields Limited be and is hereby approved:

“...Without prejudice to the generality of the above provision, the Board shall reserve for the decision of the President/CIL any matter relating to:

a) Any programme of capital expenditure for an amount exceeding the limits, if any contained in the Govt. guidelines issued from time to time.”

RESOLVED FURTHER THAT the Company Secretary, ECL be and is hereby authorised to do all such acts to give effect to the above Resolutions.

Dated: June 16, 2016

Registered Office:

Eastern Coalfields Limited,
Sanctoria, P.O. Dishergarh,
Distt. Burdwan (West Bengal),
PIN: 713333.

By order of the Board
Eastern Coalfields Limited

(वी.आर. रेड्डी) / (V. R. Reddy)

महाप्रबंधक (वित्त) / कंपनी सचिव

General Manager (Finance) / Company Secretary

- Notes :** (i) A member entitled to attend and vote at the Annual General Meeting is entitled to appoint a proxy to attend and vote instead of himself and the proxy need not be a member of the Company. In order to be effective, the Proxy form duly completed should be deposited at the registered office of the company not less than forty-eight hours before the scheduled time of the Annual General Meeting.
- (ii) Pursuant to Section 139(5) of the Companies Act, 2013, the Auditors of a Government Company are to be appointed or re-appointed by the Comptroller and Auditor General of India (C&AG) and in terms Section 142(1) of the Companies Act, 2013, their remuneration has to be fixed by the Company in the Annual General Meeting or in such manner as the Company in General Meeting may determine. The Members of your Company in its 8th Extra Ordinary General Meeting held on 30th July, 2001 authorised the Board of Directors to fix the remuneration of Statutory Auditors.

Copy to :

- M/s M. Choudhury & Co., Chartered Accountants, Statutory Auditors, 162, Jodhpur Park, Kolkata-700068
- M/s Mitul Jain & Associates, Company Secretaries, Secretarial Auditors, 3, Maharshi Debendra Road, 3rd Floor, Kolkata-700007
- M/s B.G. Chowdhury & Co., Sree Appartments, 4A, 11/47A, Panditya Road, Kolkata-700029
- All Directors, Eastern Coalfields Limited.

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ईस्टर्न कोलफील्ड्स लिमिटेड
अध्यक्ष-सह-प्रबंध निदेशक का कार्यालय
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Eastern Coalfields Limited
Office of the Chairman-cum-Managing Director
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STATEMENT PURSUANT TO SECTION 102 (i) OF COMPANIES ACT-2013

SPECIAL BUSINESS

Item No.-3

As per section 148 (3) of the Companies Act 2013 read with Rule 14(a) (ii) of the Companies (Audit and Auditors) Rules, 2014, the remuneration of the Cost Auditor as recommended by the Audit Committee and approved by the Board of Directors is to be ratified subsequently by the shareholders.

The Audit Committee of Eastern Coalfields Limited in its 72nd meeting held on 3rd September, 2015 recommended and the Board of Directors of Eastern Coalfields Limited in its 282nd meeting held on 3rd September, 2015 has approved the appointment of following Cost Accountants Firms as Cost Auditor for financial year 2015-16 at the remuneration given below:

Sl.No.	Name of Cost Auditors	Remuneration for Cost Audit for the year 2015-16 (in ₹)
1	M/s B.G. Chowdhury & Co	1,67,344/-
2	M/s Mani & Co.	95,703/-
3	M/s Datta Ghosh Bhattacharya & Associates	85,313/-
4	M/s M.G. & Associates	68,359/-
5	M/s Basu Banerjee Chakraborty Chattopadhyay & Co	63,438/-
6	M/s ATM & Associates	51,406/-
	Total –Rupees Five Lakh thirty one thousand five hundred and sixty three only.	5,31,563/-

In addition to above, the travelling and out of pocket expenses will be restricted to 50% of the remuneration as mentioned above subject to production of documentary evidence. Service Tax etc. shall be paid extra as applicable on furnishing the registration number with the appropriate authority.

Hence it is proposed to ratify the remuneration of Cost Auditors by the shareholders for financial year 2015-16.

No Director, Key Managerial Personnel or their relatives, is interested or concerned in the resolution. The Board recommends the resolution set forth in Item No.-3 for approval of the members.

P.T.O

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Item No.-4

Eastern Coalfields Limited reported a positive networth of ₹ 916.87 crore as on 31.12.2014 and BIFR in its hearing held on 11.02.2015, issued the following order:

“The sick company, M/s Eastern Coalfields Ltd. (BIFR Case No.501/2000) ceases to be a sick industrial company, within the meaning of Section 3(1) (o) of SICA, as its networth has turned positive.”

As per DPE guidelines, the Board of Eastern Coalfields Limited could sanction Project Reports upto ₹150 crores or equal to 50% of the Networth, whichever is less. However, the Articles of Association of Eastern Coalfields Limited restricts the power of the Board to approve Project Reports upto ₹ 20 crores only.

The matter relating to the Enhancement of DoP of ECL Board for approving Project Reports was deliberated by the Board of Directors of Coal India Limited in its 318th meeting held on 30th July, 2015. Company Secretary, CIL vide his letter no.-CIL:XI(D):04112:2015:10768 dated 10th August, 2015 has conveyed the approval of CIL Board for amending the Articles of Association of Eastern Coalfields Limited to enhance the power of its Board to approve Project Reports as per Government Guidelines from time to time.

Hence it is necessary to amend clause 32(a) of the Articles of Association of Eastern Coalfields Limited. As per Section 14(1) of Companies Act-2013, alteration of Articles of Association can be done only by way of a Special Resolution passed at AGM/EGM of shareholders.

It is proposed to amend clause 32(a) of Articles of Association of Eastern Coalfields Limited to read as follows:

“...Without prejudice to the generality of the above provision, the Board shall reserve for the decision of the President/CIL any matter relating to:

a) Any programme of capital expenditure for an amount exceeding the limits, if any contained in the Govt. guidelines issued from time to time.”

The Board of Directors of Eastern Coalfields Limited in its 282nd Meeting held on 3rd September, 2015 have authorised Chairman-cum-Mg. Director to call an Extra Ordinary General Meeting of the shareholders of Eastern Coalfields Limited pursuant to Section-100 of the Companies Act, 2013 on the date convenient to the Shareholders of the Company at due or short notice u/s. 101(1) of the Companies Act 2013.

No Director, Key Managerial Personnel or their relatives, is interested or concerned in the resolution. The Board recommends the resolution set forth in Item No.-4 for the approval of the members.

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EASTERN COALFIELDS LIMITED

ईस्टर्न कोलफील्ड्स लिमिटेड
अध्यक्ष-सह-प्रबंध निदेशक का कार्यालय
सांकतोड़िया, पत्रालय - डिसेरगढ़,
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Telefax : 0341-2520546
E-mail: eclcos17a@gmail.com

Ref.No. ECL: CS: 16/ 3073

July 7, 2016

To

- 1) M/s Coal India Limited – Member of ECL,
Coal Bhavan, Premises-04 MAR, Plot No.-AF-III, Action Area-1A, New Town, Rajarhat, Kolkata-7000156
- 2) Shri S. Bhattacharya, Chairman,
Coal India Limited, Coal Bhavan, Premises-04 MAR, Plot No.-AF-III, Action Area-1A, New Town, Rajarhat, Kolkata-7000156.
- 3) Shri C.K. Dey, Director (Finance),
Coal India Limited, Coal Bhavan, Premises-04 MAR, Plot No.-AF-III, Action Area-1A, New Town, Rajarhat, Kolkata-7000156.
- 4) Shri Rakesh Sinha, Ex-Chairman-cum-Mg. Director, Eastern Coalfields Limited, Sanctoria, P.O. Disergarh – 713333, Distt. Burdwan (W.B.).

Dear Sir,

Sub: 41st Annual General Meeting of the Shareholders of Eastern Coalfields Limited.

This is in regard to the 41st Annual General Meeting of Eastern Coalfields Limited, vide Notice No.-ECL:CS:16/3052 dated June 16, 2016.

Due to unavoidable circumstances, the 41st Annual General Meeting of ECL originally to be held on Monday, the 11th July, 2016 at the Regd. Office of the Company is hereby **re-scheduled** and will be held on **Saturday, the 16th July, 2016 at 11:00 AM** at the Registered Office of the Company, Sanctoria, P.O. Disergarh-713333, Distt.-Burdwan (West Bengal) to transact the same business as specified in the original **Notice No.-ECL:CS:16/3052 dated 16th June, 2016.**

Inconvenience, if any is regretted.

भवदीय
Yours faithfully

(वी.आर. रेड्डी) / (V. R. Reddy)

महाप्रबंधक (वित्त)/कंपनी सचिव
General Manager (Finance) / Company Secretary

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CHAIRMAN'S STATEMENT

Friends,

I have immense pleasure in welcoming you to the 41st Annual General Meeting of Eastern Coalfields Limited. The Directors' Report, audited accounts for the financial year 2015-16 together with the report of Statutory Auditors and the report and review of the Comptroller and Auditor General of India, are already with you.

Energy is one of the major inputs for economic development of any country, and coal dominates the energy mix in India, contributing over 52% of the country's energy need. Today the Indian economy is in acute need of energy. Our company produces one of the best qualities of Non-Coking Coal which caters to the needs of various power plants, cement factories etc.

The strategic vision of the company is to emerge as a global player in the primary energy sector committed to provide energy security to the country by attaining environmentally & socially sustainable growth through best practices from mine to market.

ECL has achieved the highest ever coal production of 40.21 MT with a growth of 0.51 % over last year. The Company has also achieved highest ever OB removal to the tune of 119.22 Million Cum which is 111.42 % of the Annual Target with a substantial positive growth of 26.77% over last year. The UG production has also recorded a marginal growth of 0.52% over last year. With the introduction of mass production technology by deploying Continuous Miner and Power Support Longwall etc in Jhanjra and other mines, the underground coal production will continue to improve in the coming years.

ECL has achieved highest ever coal despatch of 38.607 MT during 2015-16 with a positive growth of 0.36% over last year.

In 2015-16, 5 (five) projects namely Hura C OC, Jhanjra Combined PR, Tilaboni UG, Mohanpur Expansion OC (Phase-II) and Nakrakonda-Kumardih B OCP were approved.

Highwall Mining Technology is proposed to be introduced in Sripur and Nimcha Project. Continuous efforts are being made to enhance the coal production from underground mines. As on 31.03.2016, 231 Nos. of SDLs and 27 Nos. of LHDs are in operation in different underground mines of ECL.

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The impact on the environment due to extraction of coal is being monitored constantly by our Company and adequate measures are undertaken for control of Air, Water & Noise Pollution, Land degradation, Deforestation etc. These measures are being undertaken in accordance with the provisions of all statutory norms, Acts and Rules on a regular basis. During 2015-16 we planted 250000 saplings covering an area of 100 Ha. 80 Ha out of 100 Ha plantations have been carried out in OB dumps.

We have also committed for sustainable development and CSR activities in villages around ECL command area by providing drinking water, improving educational facilities and health care etc. During the year ₹ 62.61crore was spent on CSR activities.

We have always given the highest priority towards safety, which is considered as a part of core production process in ECL. To improve the safety standards, ECL has vigorously pursued several measures during the year.

As required under Guidelines on Corporate Governance for Central Public Sector Enterprises (CPSEs) issued by the Department of Public Enterprises, Government of India a separate section on Corporate Governance has been added in the Directors' Report and a Compliance Certificate has been obtained from the statutory auditors.

We are committed to produce more than 46 MT coal during 2016-17 and confident that ECL will march ahead in the times to come.

I express my sincere thanks to Coal India Limited, Ministry of Coal, other Central Government Ministries and Departments, State Governments, Railways, Bankers, all employees, Trade Unions, consumers, suppliers other stake holders for their unstinted support and relentless co-operation.



(Chandan Kumar Dey)
Chairman

Place: Sanctoria

Date: 16th July, 2016

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DIRECTORS' REPORT

To
The Shareholders,
 Eastern Coalfields Limited

Gentlemen,

I, on behalf of the Board of Directors, have pleasure in presenting the 41st Annual Report on the working of your Company together with audited accounts for the year ended 31st March, 2016, report of the Statutory Auditors and Management's reply thereon as well as the comments of the Comptroller and Auditor General of India on the audited accounts.

Special Achievements:

- a. In spite of acute dispatch constraints, ECL has registered a positive growth in all the major production parameters of coal production, OB removal and off-take and all these achievements are ever highest since inception of the Company.
- b. ECL has also maintained the trend of positive growth to the tune of 0.51% in underground coal production.
- c. On 31.03.2016, Jhanjra Project Colliery of ECL produced 8080 tonnes of coal which is the highest ever production achieved by the project since inception. On 27.03.2016, 1st Continuous Miner at Jhanjra Project Colliery produced 4045 tonnes of coal which is the highest ever production on a day by any Continuous Miner amongst the subsidiaries of CIL.
- d. On the IT initiative front, in ECL out of 1479 GPS Devices 1396 GPS devices have been fitted in available Coal Trucks. Control Room is operational in all the areas of ECL and tracking of vehicle is going on.
- e. Eastern Coalfields Limited was awarded 1st prize for commendable job done for working women through WIPS amongst Miniratna/other Category PSUs.
- f. ECL won the overall championship in the Football Tournament, Cultural and Athletics Meet of CIL during the year 2015-16.
- g. During the year 2015-16, under Swachh Bharat and Swachh Vidyalaya Abhiyan, ECL has constructed 3372 number of toilets in three districts viz. Purulia (West Bengal), Deoghar and Sahebganj (Jharkhand).

1.0 PRODUCTION:

- 1.1** Production performance of the Company in 2015-16 against the target as well as compared to last year was as under:

Particulars	Unit	2015-16			2014-15	Growth Over last year	
		Target	Actual	Achieved (%)	Actual	Abso-lute	%
1. Production :	M.Te.						
i) Raw Coal - UG		7.860	7.329	93.26	7.292	0.037	0.51
- OC		34.270	32.880	95.94	32.714	0.166	0.51
Total		42.130	40.209	95.44	40.006	0.203	0.51
ii) Coking Coal :							
- Blendable	0.00	0.000	-	0.004	-0.004	-100.00	
- Others	0.008	0.012	150.00	0.029	-0.017	-58.62	
iii) Non-Coking :		42.122	40.197	95.43	39.973	0.224	0.56
2. O.B. Removal	MCuM	107.00	119.22	111.42	94.047	25.173	26.77
3. Productivity(OMS)	Tonnes						
- Underground		0.58	0.56	96.55	0.53	0.03	5.66
- Opencast		13.63	12.42	91.12	12.12	0.30	2.48
- Overall		2.63	2.56	97.34	2.45	0.11	4.49

1.2 CONSTRAINTS IN COAL PRODUCTION :

Sl. No.	Reason for loss in production	Quantity (MT)
1	Power problem	0.096
2	Machine breakdown	0.081
3	Water logging due to rainfall	2.159
4	Absenteeism	0.030
5	Labour unrest	0.018
6	Strike	0.010
7	Others (Dispatch constraints, Rehabilitation issues, etc.)	0.541
	Total	2.935

1.3 SYSTEM CAPACITY UTILISATION :

(Figures in %)

Particulars	2015-16			2014-15
	Target	Actual	Achieved (%)	Actual
a) UG	83.26	77.64	93.25	79.56
b) OC (Dept.) Excv.	108.81	92.59	85.09	88.32
c) OC (Hired) Excv.	106.74	133.67	125.23	113.98
d) OC (Dept.+ Hired) Excv.	107.53	117.95	109.69	108.28
e) Total [UG+OC(D)]	105.87	88.90	83.97	86.40
f) Overall (UG+OC) (Hired+Dept.)	106.38	116.04	109.08	106.80

2.0 FINANCIAL RESULTS :

- 2.1. Gross sales turnover for the year ending 31st March, 2016 was ₹ 13514.18 crore compared to ₹ 13413.84 crore in the previous year resulting in increase of 0.75% over previous year. During the year under review, company had made a pre-tax profit of ₹ 1300.04 crore and a post-tax profit of ₹ 868.02 crore compared to last year's pre-tax profit of ₹ 1782.41 crore and post-tax profit of ₹ 1139.40 crore. Details were as under:

(₹ in Crore)

Particulars	2015-16	2014-15
Profit(+)/Loss(-) after charging all expenses but before PRP/ Executive Superannuation benefit interest, depreciation, Impairment, OBR, prior period adjustment.	1807.87	2505.87
Less : Impact of PRP/Executive Superannuation Benefit	62.63	90.98
Less : Actuarial provision (AS – 15)	101.28	148.96
Less : Depreciation/Impairment/Mine Closure Provision	355.63	311.28
Less : OBR Adjustment	-11.71	174.42
Profit(+)/Loss(-) for the year after charging interest and Depreciation, impairment and OBR Adjustment.	1300.04	1780.23

Particulars	2015-16	2014-15
Less: Prior Period Adjustment.	---	-2.18
Net Profit (+)/Loss(-) after considering Prior Period Adjustment.	1300.04	1782.41
Cash Profit	1671.06	2539.88
Profit after Tax	868.02	1139.40

2.2 Capital Expenditure :

Total Capital Expenditure during the year under review was ₹754.70 crore (excluding exchange fluctuation) against the Capital Expenditure of ₹ 686.69 crore during 2014-15.

2.3 Capital Structure :

(₹ in Crore)

	2015-16	2014-15
A. SHARE CAPITAL		
i) Authorized Share Capital (2,50,00,000 Eq. shares of ₹ 1000 each and 2,10,00,000 6% Non-convertible, cumulative, redeemable Preference Shares of ₹1000 each).	4600.00	4600.00
ii) Paid up Equity Share Capital (2,21,84,500 shares of ₹1000 each)	2218.45	2218.45
iii) Paid up 6% Non-convertible, cumulative, redeemable Preference Shares, fully paid up (20509700 shares of ₹1000 each)	2050.97	2050.97
B. LOAN FUNDS :		
i) Export Development Corporation, Canada	174.14	170.21

2.4 Repayment of Foreign Loan :

(₹ in Crore)

Particulars	2015-16	2014-15
i) Repayment of foreign loan through CIL.	6.21	5.75

2.5 Payment / Adjustment of Royalty, Cess, Stowing excise duty & Sales Tax during the year:

(₹ in Crore)

Particulars	2015-16				2014-15			
	West Bengal	Jharkhand	Central	Total	West Bengal	Jharkhand	Central	Total
i) Royalty on Coal	12.72	319.14	-	331.86	12.29	320.47	-	332.76
ii) RE & PE Cess	1540.66	-	-	1540.66	1411.72	-	-	1411.72
iii) AMBH Cess	1.78	-	-	1.78	1.69	-	-	1.69
iv) PW & Road Cess	1.87	-	-	1.87	1.74	-	-	1.74
v) Sales Tax (VAT/CST)	327.20	68.10	-	395.30	283.71	79.72	-	363.43
vi) Stowing Excise Duty	-	-	38.68	38.68	-	-	38.44	38.44
vii) Clean Energy Cess	-	-	720.91	720.91	-	-	307.78	307.78
viii) Excise Duty on Coal	-	-	436.70	436.70	-	-	565.40	565.40
TOTAL	1884.23	387.24	1196.29	3467.76	1711.15	400.19	911.62	3022.96

2.6 Directors' Responsibility Statement :

Pursuant to sub-section (5) of Section 134 of the Companies Act, 2013 the Board of Directors of the Company hereby state and confirm that:-

- a. in the preparation of the annual accounts for the year ended 31st March 2016, all the applicable accounting standards were followed with proper explanation relating to material departures;
- b. the Directors had selected such accounting policies and applied them consistently and made judgments and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the company at the end of the financial year and of the Profit/Loss of the company for that period;
- c. the Directors had taken proper and sufficient care for the maintenance of adequate accounting records in accordance with the provision of the Companies Act, 2013 for safeguarding the assets of the company and for preventing and detecting fraud and other irregularities;
- d. the Directors had prepared the annual accounts on a going concern basis;
- e. the Directors had laid down internal financial controls to be followed by the company and that such internal financial controls are adequate and were operating effectively and
- f. the Directors had devised proper systems to ensure compliance with the provisions of all applicable laws and that such systems were adequate and operating effectively.

3.0 PLANNING :**3.1 Command Area of Operations:**

There are 14 number of operating areas with 105 number of working mines, 74 being underground mines, 22 opencast mines and 9 mixed mines.

3.2 Target and Actual for 2015-16 and Target for 2016-17:

Sl. No.	Particulars	2015-16			2014-15	2016-17
		Target (BE)	Revised Target (RE)	Actual	Actual	Target
1	Production (MT)	42.13	42.13	40.21	40.006	46.94
2	Overall Productivity	2.63	2.63	2.56	2.445	2.625
3	Plan expenditure (₹ in Crore)	1030.50	850.00	754.70	686.69	1150.00

3.3. RESEARCH AND DEVELOPMENT :**3.3.1 CIL R&D Project :**

Detailed status of implementation of ongoing R&D Projects funded under R&D grant of CIL is enclosed as **Annexure –I**.

3.3.2 S&T Projects :

Detailed status of implementation of ongoing S&T Research Projects funded under S&T grant of MoC is enclosed as **Annexure –II**.

3.4 Modernization of Coal Industry:

In order to increase the level of modernization and mechanization in underground mines, intermediate technology deploying LHD/SDL was introduced in 63 no of mines of ECL till 2015-16. As on 31.3.2016, 231 no of SDLs and 27 no of LHDs were on roll in different underground mines of ECL. During 2015-16,

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production achieved from 231 no of SDLs was 4.411 MT., from 27 no of LHDs was 0.983 MT and from 1 no of Dosco is 0.045 MT.

“Mass production technology” by deploying Continuous Miner combined with Shuttle car had been deployed at Jhanjra and Sarpi projects. The production achieved during 2015-16 from 3 Nos. of CM was 1.474 MT.

Jhanjra Longwall panel is expected to be commissioned in June, 2016 with a target of 1.20 MT for 2016-17.

In addition to above the following steps are being taken for modernization of Coal Industry:

- a. Coal Bed Methane (CBM): PR is under preparation for exploration and exploitation of CBM in ECL mining lease hold areas.
- b. Excavation: To increase operational efficiency through ergonomics, it has been made mandatory for all the HEMMs to come fitted with AC cabins for the operators. The process is on for replacement of rope shovels with the hydraulic shovels. Latest technology is being increasingly used to enhance safety aspects in HEMMs.
- c. Highwall Mining: The highwall mining is being introduced in Nimcha and Sripur Colliery.
- d. Man riding system and Free Steered Vehicle has been functional in Parasea and Jhanjra collieries respectively.

3.5 Steps taken to improve underground production:

Considering the various operational constraints, liquidation of upper seam, delay in availability of land for caving etc. action has been taken to improve underground production mainly by introduction of mass production technology deploying Continuous Miner with Shuttle Car in more number of underground mines in XII Plan like Jhanjra Low height CM, Kumardihi B, Khottadih, Tilaboni, Shankarpur, Siduli apart from gradual phasing out of manual operations with the intermediate technology such as SDL, LHD etc. Action has also been taken to introduce more UDMs keeping in view of shortage of Drilling gang due to superannuation and the dual purpose of availability of more coal at face and supporting as well.

3.6 Details of Project Formulation during the year:

Sl. No.	Name of the project	Capacity (MTY)	Estimated Capital (₹ in crore)
1	Tilaboni UG	1.86	1177.44
2	Recast Hura-C OC	3.00	Outsourcing-359.69 Departmental-1095.57
3	Nakrakonda-Kumardih-B OC	3.00	Outsourcing-181.86 Departmental-926.06
4	Parasea-Belbaid UG	1.83	1064.85
5	Mohanpur Expansion OC	2.50	Outsourcing-410.54
6	Recast of Siduli	OC:1.20 & UG:1.02	940.02
7	Nabakajora-Madhabpur OC / UG Mine Phase-I	OC: 1.25 & UG: 1.44	1048.86
8	Jhanjra Combined PR	3.50	1441.39 (Existing:838.53, Additional: 602.86)

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3.7 Details of Projects approved by Board of Directors of ECL during the year:

SL No.	Name of the Project	Capacity (MTY)	Approved Capital Investment (₹ Cr)	Date of Approval
1	Hura-C OC	3.00	359.69	03.09.2015
2	Jhanjra Combined PR	3.50	602.86	30.09.2015
3	Tilaboni UG	1.86	1177.44	23.02.2016
4	Mohanpur Expansion OC(Phase-II)	2.50	410.54	23.02.2016
5	Nakrakonda-Kumardih B OCP	3.00	409.14	23.02.2016

3.8 Details of Projects approved by Board of Directors of CIL during the year:

SL	Name of the Project No.	Capacity (MTY)	Approved Capital Investment (₹ Cr)	Date of Approval
1	Hura-C OC	3.00	65.22 in 1st year out of total 359.69	15.10.2015
2	Jhanjra Combined PR	3.50	387.19 in 1st year out of total 602.86	13.11.2015

3.9 Capital Projects/Schemes:

- i. No. of new Projects: 1 (Hura-C OC)
- ii. Expansion/Revision/Foreclosure of Projects: 1 (Jhanjra Combined PR-Expansion)
- iii. Others – 15 (Ongoing producing projects-5 Nos., Under Implementation-3 Nos., Revision/Recast-7 Nos.)
- iv. Total – 17

3.9.1 Project completion during the year: 1no (Sarpi Augmentation)

Sl. No.	Name of Project	Capacity (MTY)	Approved Capital Investment	Date of approval Date of approval
1	Sarpi Augmentation Project	0.76	Original Sanction: ₹ 120.35 crore Completion Cost: ₹ 109.00 crore plus ₹ 9.92 crore kept for balance activities.	10.02.2016

3.9 New Initiatives and Future Programme:

Following initiative have been taken in 2015-16 for augmentation of production from underground and opencast operation:

- a. **Introduction of High-wall Mining:** The following patches/sites have been identified for introduction of Highwall Mining Technology in ECL:

SL No	Name of the Block/Seam	Estimated extractable reserve (MT) for maximum drivage length		Land required (Ha)
		300 Meter	250 Meter	
1	Sripur /Taltore (R-I)	0.86	0.81	81.61
2	Nimcha/(R-IXA)	1.84	1.66	120.90

- b. **Technological up-gradation and Modernization of existing UG mines:** The existing underground mines which have been identified for Technological up-gradation and Modernization are Badjna, Shyampur B, Siduli, Ghusick and Nimcha. M/S KPMG Advisory Services Pvt. Ltd. was assigned with the above job. They have submitted the final report to ECL and MoC and the report is found to be acceptable. On the basis of the report, Project Report and Draft Project Report for Siduli and Ghusick have been prepared respectively. The Project Report for rest of the three mines is under preparation at CMPDIL, RI-I.
- c. **Introduction of Mass Production Technology [Continuous Miner (CM)]:** The following mines have been identified for introduction of CM:

SI. No.	Name of the mine/project	Capacity (MTY)	Estimated Capital Expenditure (₹ in crore)
1	Kumardih-B CM	1.02	117.90
2	Jhanjra LHCM	0.72	125.62
3	Tilaboni UG	1.86	1177.44
4	Siduli UG	OC: 1.00 & UG: 1.02	940.02
5	Shankarpur	OC: 2.00 & UG: 1.163	401.43
6	Parasea-Belbaid UG	1.83	1064.85
7	Naba-Kajora Madhabpur UG	1.08	1048.86
8	Khottadih CM	1.00	127.17

- d. **Foreign collaboration/Technology Absorption-Adaptation and innovation:** For Jhanjra R-VI Seam PSLW, contract for supply and operation of PSLW was signed on 8th January 2013. All imported equipment supplied by M/S CODCO, China have been received at mine site. Compatibility testing of equipment started on 24.09.2015 & completed on 18.11.2015. Complete Transport equipment has arrived at mine site in March, 2016. Assembly of transport equipment has also been completed. Installation of PSLW equipments is in progress. Commissioning is expected in June-2016.

3.11 Details of OC Patches approved during 2015-16:

SL No.	Name of Patch	Area	Minable Reserve (MT)	Volume of OB (M Cum)
1	Gourandih (Extn)	Salanpur	15.44	25.31
2	Banbahal OC	Kenda	5.26	45.31
3	Chapapur OC (extension)	Mugma	24.61	105.61
4	Bhanora West OC	Sripur	23.07	241.00
5	Purushottampur OC	Bankola	8.00	51.00
6	Siduli OC	Kenda	9.70	32.00
7	Nimcha OC	Satgram	8.70	28.10
8	Madhaipur OC	Pandaveswar	13.15	66.24
9	Damalia OC	Satgram	0.44	0.87
10	RCE of Kalipahari (A) OC	Sripur	3.20	21.60

3.12 MoU Activities:

Sl. No.	Performance Indicators	Measurement Unit	Target for the year (Very Good)	Achievement
1	Approval of Tilaboni Project by CIL Board	Date	28th Jul-15	Placed before ESC of CIL Board on 08.05.2015. ECL was advised to re-examine the model based on the ground realities with regard to hiring option vis-a-vis risk gain model. Accordingly PR has been submitted in Jan-16. Recast PR & Financial Appraisal Report was approved and recommended by ECL Board on 23.02.2016 and has been sent to CIL on 17.03.2016 for approval from ESC of CIL Board and CIL Board.
2	Approval of Hura-C by CIL Board	Date	28th Aug-15	Achieved. Recast PR approved and recommended in April-15 by ECL Board for placing it to CIL Board. It was deliberated on 30.7.2015 before ESC of CIL Board. ESC recommended Surface miner technology. ECL Board approved the PR with SM technology on 03.09.2015 and it was submitted to CIL on 21.09.2015. CIL Board on 15.10.2015 has approved the Recast PR of Hura C OC (3.0 MTY).
3	Approval of Siduli Project by CIL Board	Date	7th Jan-16	Under Process.
4	Approval of Shankarpur UG/OC project by ECL Board.	Date	30th Jun-15	Not achieved. UCE of PR is under preparation at CMPDIL.
5	Approval of Chuperbhita project by ECL Board.	Date	16th Aug-15	Not achieved. UCE of PR is under preparation at CMPDIL.

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Sl. No.	Performance Indicators	Measurement Unit	Target for the year (Very Good)	Achievement
6	Commissioning of PSLW Ph-II Project Jhanjra	Month	7th Dec-15	Not Achieved. All imported P&M items from China received at project site. Compatibility test of longwall equipment completed at surface on 18.11.2015. Complete transport equipment arrived at mine site by 03.03.2016. Installation of PSLW is in progress. Commissioning and trial run in underground is expected in June-2016.
7	Rehabilitation of villages (shifting of 150 PAF's) at Sonapur-Bazari (Comb.) OC Projects	No.	150	199
8	Rehabilitation of villages (shifting of 150 PAF's) at Rajmahal Area	No.	120	200
9	Completion of drivage of 800 Tonne strata bunker at Jhanjra PSLW Ph-II UG Mine	Month	Sep'2015	Achieved. Drivage completed in August-2015
10	CAPEX	₹ crore	911.00	754.70

**3.13 Project monitoring and Status of implementation:
Details given as Annexure – III (Separately)**

4.0 MANAGEMENT'S DISCUSSION AND ANALYSIS REPORT:

Management's Discussion and Analysis Report is presented in a separate section forming part of the Director's Report (**ANNEXURE-IV**).

5.0 COAL MARKETING:

5.1 Demand vis-a-vis off-take:

Actual off-take of coal in 2015-16 was 38.607 million tonne against the demand of 42.130 million tonne i.e. demand satisfaction of 92%. Sector-wise demand and off-take during the year 2015-16 compared to 2014-15 is as follows:

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(Figures in Million Tonne)

Sector	Off take 2015-16			Off-take 2014-15		
	Demand	Actual	% Satisfaction	Demand	Actual	%Satisfaction
POWER	37.750	35.775	95	33.727	35.102	104
CEMENT	0.089	0.090	101	0.128	0.080	62
CPP(ORS)	0.153	0.080	52	0.279	0.090	32
CPP (STEEL)	0.303	0.204	67	0.303	0.364	120
STEEL(BLEND)	-	0.000	-	0.014	0.007	47
SPONGE IRON	0.230	0.063	27	0.227	0.134	59
EXPORT	-	0.115	-	-	0.004	-
LOCO	-	0.002	-	-	0.001	-
DEFENCE	-	0.002	-	-	0.001	-
COLLY. CONS.	0.270	0.228	84	0.38	0.249	66
OTHERS	3.335	2.051	61	2.942	2.438	83
TOTAL	42.130	38.607	92	38.000	38.469	101

5.2 Average loading of Wagons per day :

Field-wise average loading of wagons for the year 2015-16 compared to previous year is as follows :

(Figures in Box/Day)

Field	Loading of wagons			
	2015-16		2014-15	
	Target	Actual	Target	Actual
Raniganj	808	758	656	696
Mugma/Salanpur	184	188	180	190
Adra	14	17	20	19
Pirpainti	97	32	122	28
Rajmahal (Wharf Wall)	121	128	142	143
Total	1224	1123	1120	1076

5.3 Mode-wise despatch :

Mode-wise despatch of coal in 2015-16 compared to previous year was as follows:

(Figures in Million Tonne)

Mode of Despatch	2015-16	2014-15
Rail	26.4446	25.538
Road	1.6790	1.639
Merry-Go-Round(MGR)	10.2557	11.043
Total	38.3793	38.220

5.4 Stock of Vendable Coal as on 31st March, 2016 is as follows :

(Figures in Lakh Tonne)

FIELD	As on 31.3.2016
Raniganj	13.8351
Mugma/Salanpur	4.5790
S.P. Mines	3.7144
Rajmahal	28.4169
Total	50.5454

5.5 Spot 'e' auction & forward e-auction :

Mode	2015-16			2014-15		
	Despatched Qty. (in lakh tonne)	Gain over notified price (₹ in Cr.)	% age Gain	Despatched Qty. (in lakh tonne)	Gain over notified price (₹ in Cr.)	% age Gain
Spot 'e' auction						
Rail	3.819	24.65	18.91	6.12	35.11	19.93
Road	14.151	129.85	26.57	12.77	263.85	60.70
Total (a)	17.970	154.50	24.95	18.89	298.96	48.94
Forward e-auction						
Road	0.299	0.15	1.36	-	-	-
Total (b)	0.299	0.15	1.36	-	-	-
Grand Total (a+b)	18.269	154.65	24.54	18.89	298.96	48.94

5.6 Sales Realisation :

(₹ in Crore)

Particulars	2015-16	2014-15
Sales Realisation	12823.82	14015.75

6.0 POPULATION OF EQUIPMENT (HEMM) :

6.1 Population of Equipment as on 31st March 2016 compared to 31st March 2015 and major repair / rehabilitation done during 2015-16 is as follows :

Equipment	No. of Equipment as on		Repair / Rehabilitation of equipment during 2015-16	
	31.03.2016	31.03.2015	Target	Achievement
Dragline	1	1	-	-
Dumper	253	270	-	-
Dozer	83	87	1	1
Shovel	55	62	-	-
Drill	55	47	-	-

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- 6.2 Percentage availability & utilisation of each type of equipment against CMPDIL norms during the year 2015-16 compared to previous year is as follows :

Equipment	Percentage Availability				Percentage Utilisation			
	CMPDIL Norms	2015-16	2014-15	Variation over last year	CMPDIL Norms	2015-16	2014-15	Variation over last year
Dragline	85	91.44	94.16	-2.72	73	85.34	89.70	-4.36
Dumper	67	78.66	78.12	0.54	50	37.68	37.11	0.55
Dozer	70	71.44	69.45	1.99	45	28.05	28.28	-0.23
Shovel	80	80.41	79.04	1.37	58	49.86	49.89	-0.03
Drill	78	82.25	82.26	-0.01	40	25.52	30.94	-5.42

- a. The %age availability of HEMM is more than CMPDIL norms. The %age utilisation of Dragline is more than CMPDIL norms. The %age utilisation of Dozer, Shovel and Drill is less than last year same period. % utilisation of Dumper is more than last year. The main reason for less utilisation of HEMM is unprecedented rain and storm in the month of May, 2015 and more rainfall in July & August-2015 than last year. In Chitra and Rajmahal, there is problem regarding land availability.

Steps taken to achieve CMPDIL norms of Dumper Utilisation:

Reviews of HEMM performance of projects are being done at regular intervals and necessary assistance/help was provided from HQ to reduce breakdown hours of equipment.

- 6.3 New/Replacement equipment provided to OCPs in 2015-16 is as under:

Equipment	Nos.	Project
Dumper	6	Dabor-1, Khottadih-5.
Dozer	5	Sonepur Bazari-2, Chitra-1, Jambad-1, Dabor-1.
Shovel	3	Khottadih-1, Jambad-1, Dabor-1.
Drill	11	Sonepur Bazari-2, Khottadih-1, Mahabir-1, Chitra-3, Jambad-2, Dabor-1, Gopinathpur-1.

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7.0 ENERGY CONSERVATION :**7.1.1 POWER AND FUEL CONSUMPTION**

Sl. No.	Particulars	Unit	2015-16	2014-15
I	ELECTRICITY PURCHASED			
a.	Purchased Units	M.KWH	860.77	846.31
b.	Total amount paid to the supply agencies (Approx.)	₹ in crore	630.47	601.47
c.	Rate/Unit (Average)	₹/KWH	7.32	7.11
d.	Specific Consumption of Electricity (composite) (Appr.)	KWH/Cum	5.88	7.01
II	OWN GENERATION (Through DG Sets)			
a.	Generated Units	Lakh KWH	6.41	6.22
b.	Unit generated per Ltr. of Diesel Oil	KWH/Ltr.	6.22	5.85
c.	Cost of Generation	₹/KWH	8.12	8.94
III	AVAILABILITY OF POWER			
a.	Average availability of power	MVA	181.57	170.83
b.	Power Demand	MVA	182.64	178.77
c.	% Availability	%	99.41	95.56

7.1.2 Progress of Power Generation from Chinakuri Power Plant:

Lease of Chinakuri Power Plant expired on 31.03.2012. Tender was floated to lease the Chinakuri Power Plant. There was no captive power generation during 2015-16.

7.2 Energy Conservation & Audit:

Tender for energy audit at Nigha Colliery, Sripur Area and Shyamsundarpur Colliery, Bankola area has been cancelled as none of the bidders participated was found commercially eligible.

The bench-mark for specific energy consumption of Sonepur Bazari Project was fixed at 0.75 Kwh/cum by external energy auditor. The specific Energy consumption of Sonepur Bazari Project for 2015-16 is 0.54 Kwh/cum.

Energy cost per tonne of Coal Production in 2015-16 was ₹ 156.75 as compared to ₹ 150.76 in 2014-15. The specific consumption of Electricity in 2015-16 is 21.66 Kwh/Te as compared to 21.10 Kwh/Te in 2014-15.

7.3 Underground Machinery Performance:

The detail of Underground Machineries with productivity is given below:

Equipment	2015-16		2014-15	Remarks
	On Roll	Productivity (TPD)	Productivity (TPD)	
SDL	231	62	61	Productivity of LHD and SDL has registered a marginal growth.
LHD	27	105	102	
Road Header	1	128	73	
Continuous Miner	3	1376	1491	During 2015-16, CM has produced 1474127 Tonnes of coal in comparison to 1397083 Tonnes of coal in 2014-15 registering a growth of 5.51%. During 2014-15, one CM was under overhauling. Therefore Machine Days has increased in FY-15-16 compared to FY-14-15, resulting in decrease in productivity.

7.4 Performance of CHPs:

As on 31st March 2016, Company was operating 5 Nos. of major CHPs and 3 Nos. of Mini CHPs. Upto March 2016, the Major CHPs handled 17.83 MT and Mini CHPs handled 0.309 MT of coal.

7.5 Major achievements during 2015-16:

- For better availability and economy of Power, ECL is gradually switching its 123 nos of Supply points from M/s IPCL to M/s WBSEDCL. M/s WBSEDCL is providing competitive tariff for 11 KV supply points at this region. On availing that, ECL is expected to save substantially.
- Power Factor has improved due to installation of Capacitor Banks at different areas/units and the company has gained ₹ 7.0759 crore as power factor rebate in 2015-16, compared to ₹ 5.196 crore in 2014-15, i.e. an increase of 36.2%.

7.6 MoU Activities:

Sl. No.	Performance Indicators	Measurement Unit	Target for the year (Very Good)	Achievement
1	Specific Energy Consumption as recommended in study conducted earlier in respect of total excavation in mining	Kwh per Cum of total Excavation	0.759	0.57
2.	Study in 2 mines for Benchmarking of Specific Diesel Consumption & Specific Power Consumption	Month	15th Feb' 16	Achieved within 31.01.2016. Study of Jambad and Rajmahal OCP has been completed by PCRA
3.	Study of man Productivity by National Productivity Council	Month	Mar' 2016	Achived Within Feb. 2016

8.0 WELFARE AMENITIES:

Sl. No.	PARTICULARS	Cumulative position as on 31.3.2015	Achievement during 2015-16	Cumulative Position as on 31.03.2016
1	Co - Operative Societies			
	a) Co-operative Credit Societies	74	0	74
	b) Primary Consumer Co- operative Stores	30	0	30
	c) Central Co-operative	4	0	4
	d) Loan & Investment to Co-operative Societies (₹ in Lakh)	63.80	0	63.80
2	Banking Facilities -No. of Branches functioning	27	0	27
3	Canteen	82	0	82
4	Educational Facilities			
	a) DAV School	6	0	6
	b.i) No. of Schools receiving Recurring Grant – in- aid	162	0	162
	b.ii) Amount of Recurring grant - in-aid (₹ in Lakh)	4533.81	367.26	4901.07
	c. i) No. of Schools receiving Non-Recurring Grant - in – aid	387	0	387
	c.ii) Amount of Non-Recurring -grant-in-aid (₹ in Lakh)	303.21	2.22	305.43
	d.i) No. of School sanctioned Ad-hoc grant	79	0	79
	d.ii) No. of ad-hoc grant sanctioned (₹ in Lakhs)	69.60	0	69.60
	e) No. of School Buses engaged	156	0	156
5	Games & Sports amount spent (₹ in Lakhs)	397.38	24.01	421.39
6	Social & Cultural activities, amount spent (₹ in Lakhs)	72.56	3.22	75.78
7	CIL SCHOLARSHIP			
	a) No. of Scholarship & cash awarded	15414	1076	16490
	b) Amount sanctioned (₹ in Lakh)	192.49	22.60	215.09
8	CIL scheme for Financial assistance to extend the Tuition Fees & Hostel Charges of the wards of Wage Board Employee studying in the Selected Engineering & Govt. Medical Colleges.			
	a) No. of wards of WBE sanctioned	312	106	418
	b) Amount sanctioned (₹ in Lakh)	62.41	25.62	88.03

9.1 MEDICAL AMENITIES :

2 Central Hospitals, 11 Area Hospitals with total bed capacity of 985 and 115 Dispensaries extended medical services to the employees and their dependants. 115 Nos. of Ambulances were in service in these hospitals.

9.2 No. of persons referred to outside for treatment & expenditure incurred for their treatment and Villagers covered by Mobile Dispensary:

Particulars	2015-16	2014-15
No. of patients referred outside:	2095	1372
Expenditure incurred for their treatment (in ₹ crore)	19.21	10.83
Health & family welfare programme:		
- No of camps	76	24
- No of beneficiaries	5192	2092
Villagers covered by Mobile Dispensary:		
- No of camps	1704	1007
- No of beneficiaries	76096	47090

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The company also incurred a medical expenditure of ₹ 2.83 crore on the retired executives and ₹ 0.33 crore on the retired non-executives employees under the CPRMSE scheme of Coal India Limited. During the year 2015-16 an amount of ₹ 3.83 crore were used for medicine procurement.

9.3 Major Achievements during 2015-16:

- a. Coagula Meter, High Precision Bath and Centrifuge Machines have been made operational at Sanctoria Hospital.
- b. 3D colour Doppler has been installed at Central Hospital, Kalla.
- c. Video Endoscopy of Upper GI and Lower GI have been started at Sanctoria Hospital.
- d. Anaesthesia Work Station & Blood Bag Refrigerator have been installed at Central Hospital, Kalla.

9.4 MoU Activities :

Sl. No.	Performance Indicators	Measurement Unit	Target for the year (Very Good)	Achievement
1	Health Screening Test for Respiratory Diseases for employees	%	30	36.83

10.0 CORPORATE SOCIAL RESPONSIBILITY:

Report on Corporate Social Responsibility pursuant to Section 135(2) of Companies Act, 2013 is presented in a separate section forming part of the Director's Report (**ANNEXURE-V**).

10.1 SOCIAL AMENITIES:

Since the inception, Eastern Coalfields Limited has taken up various activities for the welfare of its workers as well as development of people/communities living in the surrounding areas of the mines. In addition, lot of activities have been attended for the development of infrastructure, industrial structure, roads and railway sidings, residential building, water supply and other welfare activities etc. Brief description is as below:-

10.1.1 Residential Building:

There are altogether 91180 number of residential houses in the company, out of which 62960 numbers are standard quarters and 28220 numbers of non-standard houses. At present housing satisfaction is more than 118%. Regular repairing and maintenance of these quarters are being attended. Additionally, under **Block Repairing** concept, thorough repairing of complete blocks of residential quarters is being taken up. During 2015-16 a budget of ₹ 28.22 crore was provided for block repairing and about 4135 quarters were thoroughly repaired under this programme.

10.1.2 Welfare Buildings:

For the welfare of the workmen, there is tremendous improvement in the assets since nationalization, details as below-

- | | |
|--------------------------------|--------------------------------|
| a) Hospitals- 13 | b) Dispensaries- 115 |
| c) Canteens- 82 | d) Rest Shelters- 137 |
| e) Multipurpose Institutes- 12 | f) Adult Education Centers- 03 |
| g) Community Centers – 54 | |

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10.1.3 Water Supply:

ECL has always given special attention for the improvement of potable water supply to the occupants of our residential houses as well as to the people of nearby communities. There are 22 numbers of slow sand filters, 20 numbers rapid gravity filters to provide filtered and treated potable water to the employees and their dependents. There are also 11 numbers of river bed bore wells.

In addition to this ECL has also participated with RCFA-1 and RCFA-2 water supply schemes of West Bengal government and Chirkunda water supply scheme of Jharkhand Govt. for augmenting the source of water and water is served to a population of 5,40,000. In the year 2015-16, 5 nos. of pressure filter and electro chlorinators were commissioned.

11.0 INFRASTRUCTURE DEVELOPMENT:

Dispatch of coal is one of the prime activities of ECL and it is being done effectively and efficiently. Coal is being dispatched mainly by the mode of roads and railways. ECL has taken proper steps in this regard. Detail description of some ongoing and new works is as below:-

- a. **Roads-** During the year 14 nos. of works for strengthening of coal transportation roads for a total length of 38.79 Km. (approx.) were completed for different Areas at a cost of ₹ 2824.30 lakh.

Additionally, during the year 2015-16, 3 nos. of works related to strengthening, widening and construction of coal transportation roads of total approximate length 12.15 Km were awarded and the total value is ₹ 919.52 lakh.

Other roads development works taken up during the year 2015-16 for facilitation of public movement in coalfields areas are as under:

Sl. No.	Name of Work	W.O value (₹ Lakhs)	Status
1	Construction of Diversion Road to Bhatmura-Jhanjra from NH-60 at Sonepur Bazari Project of Sonepur Bazari Area.	239.36	Work Completed
2.	Construction of concrete road in Sec-I and Sec II colony of Jhanjra Area ECL. (colony road)	67.87	Work Completed
3	Construction of peripheral road, with 06 nos. culverts to connect Nabagram Village with the road to Jhanjra and NH-60 under Sonepur Bazari Project.	281.80	Work is in Progress
4	Construction of road over bridge at Barasimara Zero Point, Rajmahal Area, ECL.	926.73	Work is in Progress
	Total value	1447.89	

- b. **Railway siding, wharf wall etc.-**

Sl. No.	Name of Work	W.O value (₹ Lakhs)	Status
1	Construction of concrete wharf wall R.C.C. boundary wall, R.C.C. culvert, Pucca drain and earth filling in platform (including yard) at Dalurband- Pandaweshwar Railway Siding at Dalurband Colliery under Pandaveswar Area.	111.20	Work Completed

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Sl. No.	Name of Work	W.O value (₹ Lakhs)	Status
2	Construction of RCC wharf wall at J.K. Nagar Railway Siding under Satgram Area.	164.61	
3	Construction of 335 Mtr RCC Wharf wall at Bahula Siding under Kenda Area	86.94	
4.	Complete track renovation works at Shankarpur Railway Siding under Sonepur Bazari Area.	104.32	
5.	Complete track renovation works at Jambad (Bahula) railway siding under Kenda Area.	496.97	
6.	Complete track renovation works at Khas Kajora Railway Siding under Kajora Area.	191.66	
7.	Complete track renovation works at Bankola no. I Siding under Bankola Area.	46.07	
8.	Complete track renovation works at Belbaid Siding under Kunustoria Area	189.38	
	Total	1391.15	

- c. **Mine Development works:** To achieve the increasing annual targets of coal production to meet the demand of coal for power and other sectors, various mine development activities have been taken up during the year 2015-16. Some of the major mine development activities completed during the year are as follows:

Sl. No.	Name of Work	Word Order value (in ₹ Lakhs)
1	Construction of drivage of new incline at Khottadih Colliery under Pandaweshwar Area.	374.68
2	Construction of drivage of incline shaft parallel to main incline from surface to R-VII seam at Jhanjra Area.	348.83
3	Construction of concrete pavement for longwall mining equipment at MIC, Jhanjra Projects, Jhanjra Area.	834.30
4	Floor concreting of 2nd incline shaft from R VI Seam to surface except 135 m from surface at MIC of Jhanjra Project Colliery, Jhanjra Area.	286.21
	Total	1844.02

- d. **Other works:** ECL is also providing funds to State Govt. and other District Board Authorities for maintaining and upgrading State/District Board roads which are being used for transportation of coal from mine to siding/coal depot. Details of roads completed during the year 2015-16 are as below –

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Sl. No.	Name of Work	Contribution by ECL (₹ in Lakhs)	Present Status
1	Repairing/Restoration of the Zillah Parishad road from Bankola rail gate to Ukhra village (Approximate length-6.30 km) under Pandaveswar P.S in the district of Bardhaman for Bankola area ECL.	466.38	Work is being executed by Bardhaman Zilla Parishad.
2	Strengthening of pavement from 5.50 km to NH-60 (Ghaighata More), construction of Rigid Pavement length 255 meters (Phase-1), placement of cement concrete block length 555 meters (Phase-2) and construction of roadside drain 450 meters (Phase-3)	128.96	Work is being executed by PWD, Asansol Division

12.0 SAFETY:

In ECL, highest priority is given towards safety, which is considered as a part of core production process. ECL is aiming to achieve zero accident policy. To improve the safety standards, ECL has vigorously pursued several measures during the year. In spite of this, during the year there was increase in fatalities.

12.1 Accident Statistics for the year of 2015-16 :

YEAR	2015-16*	2014-15
i) Fatal Accidents (Nos.)	8	4
ii) Fatalities (Nos.)	8	4
iii) Serious Injuries (Nos.)	38	70
iv) Fatality/Million tonne output	0.199	0.10
v) Fatality/3 Lakh Man-shifts	0.153	0.073

(* subject to reconciliation with DGMS)

12.2 Safety Measures

Jobs undertaken by ISO for enhancing safety in Mines of ECL

- Safety Board at Corporate Level has been constituted for inspecting the Mines and removing deficiencies observed. Monthly Meeting of Safety Board is regularly held for reviewing safety of Mines. This meeting is attended by all Functional Directors, all HoDs, all Safety board Members, all Area CGM/GMs, all Area safety Officers, ISO and representatives of all Trade Unions.
- To conduct Special Meeting of Safety Committee after the accident and implementation of the recommendation of Special Safety Committee.
- Enquiring into accidents in order to know the root causes and taking corrective measures.
- Issuance of Safety Circulars in line with finding of the enquiry into Accidents/Dangerous Occurrences/ Near-miss Incidents to prevent recurrence.
- Maintenance and Analysis of Statistics of Fatal and Serious Accidents for taking remedial measures.
- 30 minutes duration SCCR have been procured for UG mines workers for use in any emergency in UG.
- 45 numbers SCBA of positive pressure type procured for Mines Rescue Station, Sitarampur.

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- h. Internal safety audit have been done by Inter Area Team by senior officers from various disciplines.
- i. Annual Mines Safety week 2016 held from 01.02.2016 to 06.02.2016.
- j. Monitoring of methane and carbon monoxide for Degree-III gassy mines/fiery mines.
- k. Regular family counselling is being done for safety awareness amongst family members of employees.
- l. 90% of working districts in underground mines have been converted to mechanised districts as per the recommendation of 10th conference on safety.
- m. Quality of materials and their supply in mines has been ensured.
- n. Strata Control Monitoring Cell has been established in ECL HQ and subsequently Strata Control Monitoring Cell has been established in all areas to study the roof behavior and for improvement of roof support in mines. RMR is determined wherever required and Support Rules are framed accordingly.
- o. Safe Operating Procedures in respect of Mining and allied activities and operation of Mining Machinery/ HEMM have been made and distributed to concerned workers.
- p. Efforts are being taken to prevent generation of dust at sources.
- q. Preparation and implementation of Risk Assessment based on Safety Management Plan (SMP) has been completed.
- r. Training for contractors' workers is being regularly done along with IME.

12.3 Safety Monitoring Agencies in ECL:

Apart from statutory monitoring by DGMS, the status of safety is being monitored at various levels by the following agencies:

Level	Monitored by
Mine level	1. Workman inspectors: as per Mines Rule-1955 2. Safety committee: constituted as per Mines Rule-1955
Area level	1. Bipartite/Tripartite committee meeting 2. Safety officers' Coordination Meeting
HQ level	1. Bipartite/Tripartite committee meeting at HQ level 2. Area Safety Officers' Coordination Meeting 3. Inspection by ISO officials.

No. of roof bolts consumed in various years are as under:

(No. in Lakhs)

Consumption	2015-16	2014-15
Roof bolts	11.20	10.81
Cement capsules	37.00	34.38

12.4 Safety Audit

Internal Safety Audit has been done. We are in the process of conducting Safety Audit by external agencies as recommended by DGMS.

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12.5 Monsoon preparation

A Control Room was opened at Head Quarter, ECL from 10.06.2015 to 25.10.2015 on 24 X 7 basis which was manned by Executives for keeping close liaison with Area Control Rooms operating in all Areas. Close liaison is maintained with the Chief Engineer (Hydel), DVC, Maithon for getting 'Flood Warning Message'. Close liaison is also maintained with the Director, Indian Meteorological Department, Alipur, Kolkata and the Director, Area Cyclone Warning Centre, Alipur, Kolkata for obtaining 'Weather Forecast Report' for alerting the Areas to be affected by heavy Rain/ Thunder/ Shower.

12.6 Safety Training

Year	Two Weeks Structured Training for			
	Front line supervisors		Workmen's Inspector	
	No. of Programme	No. of Participant	No. of Programme	No. of Participant
2015-16	4	108	3	41
2014-15	4	112	3	38

12.7 Training for appearing in Statutory Exams :

Type of Exam	No. of employees trained	Training Institute
A. For appearing in		
1st Class - Coal	20	MTS, Dhadka
2nd class –Coal	23	
Mining Sirdar	32	
Surveyor	07	
Electrical Supervisor	23	
Winding Engine driver	15	MTI, Ratibatti
Gas Testing	21	MTS, Dhadka
B. Trade Course		
Surveyor	19	MTS, Dhadka
Mining Sirdar	39	
C. Diploma in Mining (Part time)	163	Raniganj Mining Institute

12.8 Vocational training (Statutory at VTC) 2015-16.

Type of training	2015-16	2014-15
Basic	1735	869
Refresher	9491	10010
Special Training	7679	6707
I.O.D.	116	99
Contractors workers	2106	2305

12.9 Rescue Services in ECL:

Rescue Services have been rendered to all collieries of ECL, Chanch Victoria Area of BCCL, Ramnagar Colliery of IISCO as well as to Civil Administration and Public Authorities (as and when required) through Mines Rescue Station, Sitarampur, Rescue Room with Refresher Training (RRRT) Kenda and Rescue Rooms operating at Jhanjra, Mugma & Kalidaspur.

12.9.1 During the year Emergency Attended/Rescue Services dealt fire/spontaneous heating in the following Mines successfully :

Sl. No	Colliery/place of occurrence	Area	Date	Nature of occurrence/job
1	Kunustoria	Kunustoria	05.07.2015	Recovery of mine property.
2	Haripur	Kenda	03.06.2015 to 15.06.2015	Dealing of underground fire.
3	Khas Kajora	Kajora	23.08.2015 to 29.08.2015	Dealing of spontaneous heating.
4	Satgram	Satgram	06.11.2015 to 08.11.2015	Controlling of fire in underground.

12.9.1 Training:

Refresher as well as initial training was imparted at Mines Rescue Station regularly, details are as follows:

Details	2015-16	2014-15
No. of Rescue personnel trained	644	668
No. of personnel freshly trained	42	23
No. of Refresher practices	5696	8392
No. of Emergencies	4	9

12.9.1 New apparatus/equipment purchased:

During 2015-16, 4 numbers of Multi-gas Detectors, 1 number of Oxygen Testing Device and 1 number of CPR Manikin was purchased.

12.9.2 Zonal Mines Rescue Competition:

Zonal Mines Rescue Competition, Eastern Zone, for the year 2015-16 was held on 16th October, 2015 in which 11 (eleven) Nos. Rescue teams took part.

12.9.3 All India Mines Rescue Competition (Coal & Metal):

46th All India Mines Rescue Competition (Coal & Metal) was conducted at Mines Rescue Station, Manindragarh (SCCL) from 1st to 4th December, 2015. Two teams from ECL took part in that competition.

12.9.4 Budget Provision for Mines Rescue Station :

Particulars	Capital Budget (₹ in Lakh)		Revenue Budget (₹ in Lakh)	
	2015-16	2014-15	2015-16	2014-15
Sanctioned	234.02	576.26	1902.96	1639.17
Expenditure	222.98	325.98	1561.92	1491.43

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12.10 MoU Activities:

Sl. No.	Performance Indicators	Measurement Unit	Target for the year (Very Good)	Achievement
1	Reduction in Fatality Rate per million tonne of coal production w.r.t previous year	% reduction	1.50	Not Achieved – 99%
2.	Reduction in Serious Injury Rate per million tonne of coal production w.r.t previous year	% reduction	4.00	Achieved 46%

13.0 QUALITY CONTROL**13.1 Weighment Status:**

In 2015-16, quantity weighed in EPS for supplies account Power houses & others compared to last year is given below:

Details	2015-16			2014-15		
	Power	Other Consumers	Total	Power	Other Consumers	Total
Qnty. Despatched (in L/T)	357.75	26.05	383.80	351.02	31.18	382.20
Qnty. Weighed under EPS (in L/T)	350.02	26.05	376.07	346.11	31.18	377.29
Weighment % under EPS	97.84	100.00	97.98	98.59	100.00	98.70

13.2 Sizing Status

The total despatch of coal in 2015-16 was 383.80 Lakh Tonne of which the despatch to the power sector was 357.75 Lakh Tonne. In despatches from sidings other than CHP/FB facility, sizing was done by dozer and thus 100% mechanically crushed coal was supplied to power stations. There have been 100% sized coal dispatches through alternative methods. The details are given below.

Sizing of Coal	2015-16			2014-15		
	Power	Others	Total	Power	Others	Total
Qnty. Sized in CHP/ FB (L/T)	316.72	17.54	334.26	294.86	17.49	312.35
%	88.53	67.34	87.10	84.00	56.11	81.70
DZR/MNL	41.03	8.51	49.54	56.16	13.69	69.85
%	11.47	32.66	12.90	16.00	43.89	18.30
Total	100.00	100.00	100.00	100.00	100.00	100.00

14.0 VIGILANCE ACTIVITIES

Vigilance activities have been integrated with the Management Function in ECL as Vigilance Department plays crucial role to ensure transparent, accountable, fair and efficient functioning of the Organisation. Several path-breaking initiatives taken last year have developed sense of confidence among various stake holders, resulting into significant improvement in ensuring

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Transparency, Non-discrimination and Security of the entire process. Intensive examination of large number of cases covering various departments were undertaken to study various system improvement requirements. Frequent surprise inspections were also conducted covering almost all areas. A large number of complaint based investigation also handled and in significant cases it ended in awarding of Penalties. Major I.T. initiatives have been implemented in ECL under continuous monitoring of Vigilance Department like, introduction of Biometric attendance system, installation of GPS & GPRS system etc.

14.1 Preventive Vigilance:

A huge number of surprise checks conducted by the Vigilance department, ECL during 2015-2016, covering almost entire gamut of activities of the Company. Besides, Vigilance awareness-cum-motivation programmes were organized on a large scale for various Stake Holders covering a significant number of beneficiaries. These sincere efforts have had a salutary effect on the work culture of the Organization resulting in all-round improved performance.

SI No	Subject	2015-16	2014-15
i	Number of Surprise check/Inspection conducted	61	50
ii	Vigilance awareness cum motivational programmes		
	a) Awareness programmes with internal faculties	18	30
	b) Stake Holders Meet	01	02
	c) Competitions, Essay/Debate/Painting/cultural Programme etc.	05	12
	d) Seminar/Workshop with external faculties	02	01
iii	Intensive examination	10	07

In addition to this, one more Stake Holders Meet was organized on 26.02.2016 where 72 Stake Holders of ECL were explained about the revised modalities of e-Tendering process and Reverse Auction.

14.2 Measures taken for improvement:

During the year 2015-16, the following systemic improvement measures were undertaken:

- During the month of April, 2015, one System Improvement regarding Office Timing of Doctors and other Employees of Hospitals/Dispensaries has been implemented.
- In October, 2015, another System Improvement towards "Corrective measures to be followed in various activities related to Civil Works", has been undertaken.
- The principle of first come first serve has been implemented in respect of dispatch of bill payment.

14.3 Punitive Vigilance:

Instances of irregularities, found to be committed intentionally with mala-fide intention, have been dealt with firmly and exemplary punitive measures were taken under the relevant Conduct Rule. As a result, total nine persons including one Civil Contractor, were awarded various penalties.

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14.4 Leveraging Technology:

Following initiatives have been undertaken by the Vigilance Department towards leveraging technology for improving transparency as well as efficiency of the organization:-

Sl. No.	IT Initiatives	Status as on 31.03.16	Remarks
1	GPS/ GPRS based vehicle Tracking System	1479	Control rooms in all areas and HQ have been set up and nodal officers have been appointed.
2	Electronic Surveillance by CCTV	646	Total 646 nos. of CCTV cameras have been installed at different weighbridges and vulnerable points of ECL.
3	RFID based Boom Barriers & Readers	77	Order has been placed for installation of 77 RFID reader/ Boom barrier with RFID tag. All the 77 modules of RFID system have been supplied.
4	Weigh Bridge Status	Road 101 & Rail 12	Completed.
5	Wide Area Networking (WAN)	96	Installation of WAN is completed in all 14 Areas, ECL HQ, Kolkata Sales Office and 80 no. of weighbridges.
6	Coal Net Application		Under various stages of implementation.
7	Online Grievance Redressal System		Implemented
8	Online Leave Management System		Implemented in HQ, ECL
9	Bill Tracking System		Implemented in HQ, ECL
10	Biometric Attendance		Implemented in Jhanjra Area and Salanpur Area.
11	Local Area Network (LAN)		Installation of LAN is completed in all Areas except Rajmahal Area. Installation in Rajmahal Area is in Progress.
12	Auto Refund of EMD		It has been decided that ECL will start tendering in CIL tender portal. Auto Refund of EMD will start functioning.
13	Reverse Auction		Reverse auction has been implemented in ECL for Estimated Contract Value of more than ₹ 1 Crore.
14	Geo Fencing of Mine Boundaries		Provision of Geo fencing of Mine Boundaries is included in Vehicle Tracking System.

In addition to the above mentioned initiatives, few other initiatives such as 3D TLS etc. will be installed very shortly.

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14.5 Implementation of Integrity Pact Programme:

Integrity Pact has already been implemented in ECL and it is in vogue.

14.6 Observance of Vigilance Awareness Week:

Vigilance Awareness Week was observed in ECL from 26th to 31st October, 2015 as per directives of Central Vigilance Commission. This year the theme was "Preventive Vigilance as a tool of Good Governance". On 26.10.2015 a pledge was administered by CVO, ECL at ECL HQ. and by respective G.Ms/HODs in each Area establishment/Project to bring about integrity and transparency in various spheres of activities and also to work unstintingly for eradication of corruption in all spheres of life. Several Awareness Programmes like Seminars, Workshop, Stakeholders' Meet etc. were organized in Headquarter as well as various Areas/Units to enlighten and spread the message of integrity amongst the Stakeholders. There was a mammoth participation of a huge number of students in the competitive events organized during the week. The next issue of Vigilance Magazine of ECL, namely "Sachetana", the Newsletter of 2015 was released by the Chief Vigilance Officer, ECL.

14.7 Important Achievements:

- a. Leveraging of several IT-initiatives has been instrumental in enhancing transparency as well as efficiency significantly. Besides, it has resulted in cost-cutting through more competitive biddings and an overall fair working environment.
- b. Regular monitoring by Vigilance Department has helped in controlling over-reporting of production and also in several proposals for recovery of large quantum of penalties from the defaulters.
- c. By integrating vigilance functioning with normal management functioning, the Company has gained in terms of morale-boosting of employees and other stakeholders through regular interactions in awareness-cum-motivation programmes. It has resulted in increase in production and productivity significantly.

15.0 PARTICULARS OF EMPLOYEES:

None of the employees received remuneration in excess of limits prescribed under Rule 5 of Companies (Appointment and Remuneration of Managerial Personnel) Rules, 2014 under Chapter XIII of the Companies Act, 2013.

16.0 OFFICIAL LANGUAGE IMPLEMENTATION:

ECL HQ and its 11 Areas are situated in 'C' region (West Bengal) where 86% employees are posted. Only 3 Areas are situated in 'A' region (Jharkhand). During the period under review, the following steps have been taken to implement Official Language in our company:

- a. During the period under review, Hindi correspondence has been recorded as 65.40% in Region 'A', 65.39% in Region 'B' and 66.82% in Region 'C'.

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- b. All computers of HQ, as well as 90% computers of Areas have been activated with Unicode and thus made able to work in Hindi. The rule of writing the subject of the files in Hindi & English on the covers was fully implemented.
- c. The officers and employees of each department are being trained to work in Hindi with Unicode so that the growth in Hindi correspondence can be accelerated.
- d. During 2015-16, Hindi Pakhwara was organized from 1st September, 2015 to 14th September, 2015 in which Hindi Essay-writing competition, Hindi Note-sheet-writing competition and Hindi Letter-writing competition were organized for Hindi-speaking and Non-Hindi-speaking employees separately.
- e. ECL has got the First Prize in the Quiz Competition (04.09.2015) organized by Burnpur-Asansol TOLIC (Town Official Language Implementation Committee) Head Office (ISP SAIL, Burnpur).
- f. ECL has participated actively in 53rd meeting of Burnpur-Asansol TOLIC (Town Official Language Implementation Committee) in 27th May, 2015 and organized its 54th meeting at ECL HQ in the chairmanship of Mr. Sudhir Kumar, officiating CEO, ISP, SAIL, Burnpur. Mr. Nirmal Kumar Dubey, Research Officer (Implementation) & Office Head, Regional Implementation Office (East Region), Kolkata, Official Language Department, Ministry of Home Affairs, Govt. of India was present at that meeting as Chief Guest.
- g. An inspection regarding Official Language Policy and overall implementation of OL in ECL was conducted on 03.11.2015 by Mr. Nirmal Kumar Dubey, Research Officer (Implementation) & Office Head, Regional Implementation Office (East Region), Kolkata, Official Language Department, Ministry of Home Affairs, Govt. of India.
- h. Akhil Bharatiya Hindi Kavi Sammelan was organized on 21.11.2015 in which the poets of all India level addressed the audience.
- i. During 2015-16, 6 workshops including a high level Hindi Workshop for the GMs and all HODs of HQ. were organized. Mr. Nirmal Kumar Dubey, Research Officer (Implementation) & Office Head, Regional Implementation Office (East Region), Kolkata, Official Language Department, Ministry of Home Affairs, Govt. of India addressed the workshop.
- j. ECL has participated in various Rajbhasha Sammelan by sending delegates; e.g. Rajbhasha Sammelan at Kerala by Bharatiya Bhasha Ewam Sanskriti Kendra, New Delhi, Rajbhasha Sammelan at Bangalore by Ministry of Coal, Govt of India and 10th World Hindi Conference at Bhopal by Ministry of External Affairs, Govt of India.
- k. Company's Hindi home magazine 'JYOTSNA' has been published after a long time. The publication of Hindi magazines "URJA SHROT" from Salanpur Area, "URJA KAN" from Mugma Area, a Wall Poster "ECL SAMACHAR" in Hindi and 'ECL DARPAN' (Bimonthly bulletin, Bilingual - Hindi and Bengali) are continued during the year.
- l. Mr. Subodh Kumar, honorable Joint Director (Rajbhasha), Ministry of Coal, Govt. of India has visited Rajmahal Area Office of ECL on 28-29th December, 2015 for inspecting the status of Official Language Implementation in Rajmahal as well as in ECL. After inspection Mr. Kumar appreciated the activities of Official Language in ECL as well as in Rajmahal.

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17.0 COMPUTERISATION & IT ENABLED SERVICES :

17.1 Activities of e-Tendering Cell in ECL:

- a. During 2015-16, a total of 1213 tenders were published on ECL e-Tendering portal i.e. <https://ecltenders.gov.in> out of which a total of 683 tenders (AOC-507 Nos. & Cancelled–176 Nos.) were finalized and the rest are at different stages of finalization.
- b. Awareness/Training on e-Tendering has been given to 341 bidders by e-Procurement Cell at HQ.
- c. In-house & remote training/assistance were imparted to officers using different modern software tools like hangouts, Team Viewer, Ammay pertaining to processes involved in e-Tendering.
- d. Interaction programme with 45 Nodal officers and 72 Bidders with respect to Reverse Auction has been conducted at ECL, HQ.
- e. Digital Signature Certificates (DSC) have been arranged for 150 officers of different areas and workshops including HQ during 2015-16.

17.2 Special Achievements:

- a. Online MMS application implemented in all areas.
- b. LAN connectivity in all area offices of ECL tested successfully.
- c. 1396 number GPS devices has been fitted in available Coal trucks of ECL areas and control rooms has been established in all areas. Monitoring of trucks at area level and report customization is under progress.
- d. Online Leave Management System: Web based online leave management system has been implemented in ECL HQ for executives.
- e. e-Tendering solution for 'Works & Services' tenders has been implemented successfully for ECV ₹ 2.00 Lakhs & above in ECL as per CIL e-Tendering System.
- f. e-Tendering with Reverse Auction for 'Works & Services' tenders has been implemented successfully for ECV ₹ 1.00 Crore & above in ECL as per CIL e-Tendering System.
- g. Average cycle period of completion of tender through e-Tendering portal stood at 94 days in 2015-16 which is less than Bid Validity period of 120 Days. Even, three tenders pertaining to Kunustoria Area have been finalized within 22 days out of which 10 days were earmarked for publication purpose.
- h. Government e-Procurement of National Informatics Centre (GePNIC) software deployed at e-Tendering portal of ECL i.e. <https://ecltenders.gov.in> has been tested and audited by STQC and found to be compliant with all the applicable requirements relating to functionality, security and transparency.
- i. YoY growth of e-Tendering portal of ECL with respect to tenders published & tenders finalized is recorded as 162% and 122%, respectively from FY 2014-15 to FY 2015-16. More competition has been generated resulting in finalization of tenders in a transparent manner and at a competitive price leading to saving of significant amount.

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18.0 ELECTRONICS & TELECOMMUNICATION:

In order to keep pace with advancement of communication and information technology the following has been achieved in 2015-16:

- a. **Surface Communication:** For improving surface communication, supply orders were placed for 3 Nos. of EPABX for Kajora, Satgram and Kunustoria Area. Underground telephone cables were also laid for 2200 meters length at ECL HQ.
- b. **Underground Communication:** 4 Nos. of Auto Manual Intrinsically Safe Communication systems with 15 lines have been installed at Jhanjra, Satgram, Kunustoria and Sripur Area. 58 KMs of telephone cables were also procured for use in underground mines.
- c. **WAN:** Secondary Network Connectivity between HQ/Area Computer Centers/Weighbridges of 96 locations of ECL for Coalnet connectivity has been commissioned fully through service provider M/s Railtel Corporation of India Ltd. LOA has also been placed on M/s Railtel Corporation of India Ltd. for WAN connectivity to weighbridges for additional 22 links of ECL weighbridges.

19.0 LAND ACQUISITION & LAND INFORMATION STATUS:**19.01 Status of Land Acquisition:**

The status of land acquisition/possession under different modes for the year 2015-16 is given below:

Mode of Acquisition	Acquired (in Ha)	Possession (in Ha)
Direct Purchase of Tenancy land	273.47	273.47
CBA Act	249.70	111.80
Transfer of Govt. Land	34.78	77.99
Total	557.95	463.26

19.2 Transfer of Government Land:**West Bengal:**

ECL applied for transfer of Govt. Land for extension of mining operations at 11 different mines/ project. Following cases of transfer of Govt. land are pending for approval from State Govt. :

- a. North Searsole OCP, Kunustoria Area, Mouza Bijpur & Balanpur, 4.55 acres.
- b. Bansra OCP, Kunustoria Area, Mouza Bansra, 2.96 acres.
- c. North Searsole OCP, Kunustoria Area, Mouza Bijpur 4.41 acres.
- d. Parasea Extension OC, Kunustoria Area, Mouza Sonachora, 2.49 acres Khottadih OCP, Pandaveswar Area, Mouza Bijpur & Balanpur, 17.35 acres.

Jharkhand:

Transfer of 61.79 Ha Govt. Land for SP Mines Chitra: Application for transfer of 61.79 Ha of Govt. Land was submitted in the year 2010. DC (Deoghar) had requested to deposit ₹ 15.83 Crore for transfer of 77.75 acres (i.e. equivalent to 31.48 Ha) only including 72.07 acres in

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Sarath Block and 5.68 acres in Palajori Block. On verification it has been revealed that large area of land (approximately 34 acres or more) within 72.07 acres in Sarath Block has already been settled against various Rayati owners. So, there is a dispute if these lands can be acquired through this process. The matter has been uploaded on PMG portal. After ECL's request on 17.10.2015 to DC, Deoghar, land schedule has been provided on 12.03.2016 for 27.65 acres Govt. land free from encumbrance. The demand note for the same is yet to be obtained.

19.3 Progress under CBA (A& D) Act 1957 :

Sl.No.	Name of Project	Status
1	Simlong Ph II, Rajmahal-249.70 Ha	Final notification u/s 11 (1) published in official gazette vide S.O. no. 1147 dated 2nd June 2015.
2	Lalmatia Coal Block Phase IX-4.047 Ha	a. Notification u/s 4(i) published in the Gazette of India on 09.10.2014. b. Draft Notification u/s 7(1) of the CBA (A&D) Act, 1957 was sent to MOC, New Delhi on 14.04.2015. c. Final notification u/s 7 (1) published in official gazette vide S.O. no. 200(E) dated 27.08.2015.
3	Lalmatia Coal Block Phase X-13.79 Ha	a. Notification u/s 4(1) done vide S.O. no. 121 dated 13th Jan 2015. b. Application for Draft notification u/s 7 (1) has been sent to MOC on 20.01.2016.
4	Lalmatia Coal Block Phase XI-2.91 Ha	a. Draft notification u/s 4 (1) has been sent on 13.03.2015 to MOC New Delhi. b. Final notification u/s 4 (1) published in official gazette vide S.O. no. 201(E) dated 27.08.2015.

19.4 Status of Rehabilitation:

During the year 2015-16 following action has been taken in respect of Rehabilitation:

Name of Area	Plots Given	Monetary Compensation	Total PAPs/Household for which R&R benefits given	Actual household shifted
Sonepur Bazari	199	0	199	199
Salanpur	0	72	72	72
Rajmahal	66	79	145	200
Total	265	151	416	471

19.5 Status of Mining lease of Sand:

Temporary working permit for extraction of sand for stowing purpose for the period of 01.04.2015 to 30.09.2015 and from 01.10.2015 to 31.3.2016 has been obtained from the Jt. Secretary, Government of West Bengal, C&I Dept., Kolkata on 15.05.2015 and on 05.11.2015 respectively

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19.6 MoU Activities :

Sl. No.	Performance Indicators	Measurement Unit	Target for the year (Very Good)	Achievement
1	Notification under Sec. 11(1) of CBA	Ha	236.55	249.00
2	Possession of Land	Ha	228.00	463.26

20.0 SECURITY MANAGEMENT:

The aim of Security Department is to protect men and materials of the company. Company is having 3(three) types of security.

1. ECL Security – 1465 persons.
2. Contractual Security – 2229 persons.
3. CISF – 952 persons (Approx.).

ECL Security:

The main duty of ECL Security is to guard the company's property and escorting of VIPs as and when required by the Management. Escorting of loaded Railway Rakes, Tipping Trucks/Dumpers from Coal Depot/Siding to Railway Weigh Bridges respectively till the weighment is done. The raids are also conducted throughout the year by our security personnel, CISF along with local police, accordingly seizure of coal along with involved trucks/vehicles, and apprehension of miscreants are also made during the course of raids and subsequently the same is handed over to the local police station/management. ECL Security Personnel were also deployed during the time of strike/gherao/ demonstration/ hunger strike and any type of law and order problem in ECL Area.

Contractual Security:

The Contractual Security personnel engaged through DGR empanelled agencies are generally deployed for outsourcing patches and some collieries of ECL and escorting of Railway Rakes, due to acute shortage of departmental security.

CISF:

CISF is deployed for static duty at Rajmahal, Sonapur Bazari and S.P. Mines. Besides they are having camps at Mugma, Salanpur, Sripur, Kunustoria, Pandaveswar, Kalidaspur and Satgram Area. They remain on mobile duty to conduct raids against illegal mining, illegal trafficking of coal and illegal coal depots and to be deployed during Strike/Gherao in the colliery/area.

Steps taken for revamping of security at ECL:

- a. Requisition of 449 CISF personnel has been sent to CISF HQ for deploying exclusively at Explosive Magazine of ECL out of which 210 CISF has been approved by Ministry of Home Affairs.

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- b. New recruitment of 106 security sub-inspector has been completed.
- c. Installation of CCTV Cameras, other techno-gazatory and Bio-metric attendance system is under process at various places.
- d. Basic/Arms Training have been imparted to Security Guards.
- e. A mechanism to collect the seized coal from local Police Stations has been put in place. ECL has received seized coal from different Police Stations.

Steps being taken to check/prevent the illegal mining of coal:

- a. Intelligence collection.
- b. Dozing off/filling up/sealing the illegal coal mining sites and subside area by departmental Pay Loaders/Dozers and some times contractually.
- c. Surprise checks/raids by CISF, ECL Security along with Police and seizure of illegal coal/illegal trafficking of coal along with involved vehicles and apprehension of miscreants and subsequently handed over to the same to the local Police station.
- d. Regular meeting of Central/State/District level Authorities to check/prevent illegal mining..
- e. Frequent inspection by Area Team consisting of GM, Area Survey Officer, Area Security Officer along with CISF officials to the affected sites and accordingly meetings are held with the Commandant, CISF Office regularly.
- f. The resolution has been taken for constitution of Security Co-ordination committee for Asansol Sub-division for reviewing the status of illegal mining.

Steps taken to check/prevent theft of coal:

- a. Surprise checks/raids are conducted by ECL Security along with CISF personnel/Private Security to prevent theft of coal. During the course of checks/raids, they seized coal, apprehended miscreants and FIRs lodged to local Police Stations.
- b. Armed Security personnel escorting coal loaded rake from Siding to Railway Weighbridges.
- c. 8 Nos. of strategic points are identified in coal belt for detection of vehicles loaded with stolen/ illegally mined coal.
- d. After setting up of Commissionrate from 1st Sept, 2011 onwards at Asansol-Durgapur there has been improvement in curbing of coal theft activities.
- e. GPS based vehicle monitoring system has been introduced in all Areas as a step to curb theft of Coal.

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A) Details of Seizure of Illegal Trafficking Coal and Illegal Mined Coal by CISF, ECL Security, DGR sponsored security personnel and Local Police:

Year	State	No. of Raids	Coal seized (tonne)	Vehicles seized	Person Apprehended	FIRs Lodged
Seizure of Coal from illegal Traffcking						
2015-16	West Bengal	576	4993	44	41	116
	Jharkhand	341	2646	02	01	18
	Total	917	7639	46	42	134
2014-15	Total	619	4229	44	09	24
	Variation	298	3410	02	33	110
Seizure of Illegal Mined Coal by Security, CISF & Local Police :						
2015-16	West Bengal	228	--	--	--	17
	Jharkhand	65	111	--	--	--
	Total	293	111	--	--	17
2014-15	Total	58	271.87	--	--	16
	Variation	235	-160.87	--	--	1

B) During the course of dozing off/sealing/filling up of the illegal mining sites the ECL security along with CISF and local Police are also deployed at the dozing points within leasehold and outside the leasehold areas. In the year 2015-16 following dozing /sealing are done to curb the illegal coal mining.

Year	State	Sites Dozed	Volume Used (L. Cum)	Expend (approx) (₹ in Lakh)	Fir/Info. Sent to Local PS
2015-16	West Bengal	343	0.07	3.94	24
	Jharkhand	47	1.20	111.68	25
	Total	390	1.27	115.62	49
2014-15	Total	850	2.13	83.67	54
	Variation	-460	-0.86	31.95	-5

The State administration is actively involved to curb the menace of illegal Coal Mining and Pilferage of Coal.

C) Theft/Recovery of other materials.

Year	2015-16	2014-15	Variation (Increase/decrease)
No. of Incidents	60	46	14
No. of FIRs/ Infos.	60	46	14
Property Stolen (in ₹)	1858378	1988896	130518
Property recovered (in ₹)	151155	50250	100905

21.0 OUTSOURCING OC PATCHES:

In 2015-16, company produced 171.12 LT of coal and raised 882.20 L.Cum OB from 31 outsourcing OC patches. In 2014-15 company produced Coal of 141.73 LT of coal and OB removal of 587.91 L. Cum from 27 outsourcing OC Patches.

22.0 CORPORATE GOVERNANCE:

Corporate Governance is a process that aims to meet shareholders aspirations and societal expectations. It is a commitment that is backed by the fundamental belief of maximizing shareholders value, transparency in functioning, values and mutual trust amongst all the constituents of organisation. Corporate Governance is a culture that guides the Board, management and employees to function towards the best interest of shareholders. It involves essentially a creative, generative and positive thinking activity that adds value to the various stakeholders that are served as end customers of the corporate entity.

ECL is committed to achieving highest level of transparency, openness and accountability and fairness in all areas of operation, meeting the aspirations of all its stakeholders with primary objective of enhancing shareholders value, timely and balanced disclosure of all material information to all the stakeholders and protection of their interest. The Company has put in place a sound system of internal control to mitigate the risks and comply with the laws of land, rules & regulations in true letter and spirit with a view to provide oversight and guidance to management in strategy implementation.

In our Company, Corporate Governance philosophy stems from our belief that corporate governance is a key element in improving efficiency and growth as well as enhancing investor confidence and accordingly the Corporate Governance philosophy has been scripted as under:

“As a good corporate citizen, the Company is committed to sound corporate practices, based on conscience, openness, fairness, professionalism and accountability in building confidence of its various stakeholders in it thereby paving the way for its long term success.”

A report on Corporate Governance of your company is placed at **ANNEXURE-VI** and a certification from Auditors regarding compliance of conditions of Corporate Governance by your company for the year ended 31st March 2016 is also placed at **ANNEXURE-VII** to this report.

23.0 ACKNOWLEDGEMENT:

Your Directors express their sincere gratitude to Govt. of India in general, Ministry of Coal, Govt. of West Bengal, Govt. of Jharkhand and Coal India Limited in particular for their valuable guidance and co-operation throughout the year towards attainment of the objectives of the company. Your Directors also thank all the operating Trade Unions for their co-operation and to the employees of the Company at all level for their sincere and dedicated services rendered by them in the functioning

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of the Company. They are fully confident that the employees of all ranks would continue to strive hard to improve the performance of the company in the coming years.

Your Directors acknowledge with thanks the assistance and guidance received from Statutory Auditors, Cost Auditors, Secretarial Auditors, Tax Auditor, Bankers, Registrar of Companies, West Bengal and Comptroller and Auditor General of India. Your Directors also wish to place on record their sincere thanks to the valued customers and consumers for their patronage to the company.

The following papers are annexed to the Report :

- i) Comments of the Comptroller and Auditor General of India under Section 143(6) of the Companies Act, 2013.
- ii) Secretarial Audit Report in Form No.-MR-3, given by Company Secretary in Practice pursuant to Section 204(1) of the Companies Act, 2013 (**Annexure-VIII**).
- iii) Extract of Annual Return in Form No. MGT-9 as on financial year ended 31.03.2016 pursuant to Section 92(3) of the Companies Act, 2013 (**Annexure-IX**).
- iv) Foreign exchange earnings and outgo (**Annexure-X**).
- v) Details about research and development activities of the company (**Annexure-XI**).
- vi) Addendum to the Director's Report under Sec. 134(2) and 134(3)(f) of the Companies Act, 2013 stating Statutory Auditor's Report and Management's reply thereon.

For and on behalf of the Board of Directors

Sanctoria,
Dated: 7th July, 2016



(Chandan Kumar Dey)
Chairman-cum-Mg. Director

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3.3.1. Status of On-going R & D Projects upto 31st March, 2016

Sl. No.	Name of the Project	Financial Outlay (₹ in Lakhs)	Date of Start	Revised / scheduled date of completion	Progressive Disbursement (₹ in Lakh)	Status
1	Underground Trapped Miner Location system. Project code - CIL/R&D /1/35/10 Implementing agency: TCS, CMC & CMPDIL (ME), Ranchi	489.70	15th Jan. 2010	March, 2015	447.98	The status of project was reviewed in the Apex Committee meeting held on 24.12.2014. The Committee advised TCS/CMC, Kolkata and CMPDI to approach Director (S&T), DGMS and convince them to get permission of field trial of the total system for R&D purpose only. The Committee agreed to recommend the extension of the project duration for 6 months i.e. up to March 2015 to R&D Board of CIL for consideration. Project members from TCS/CMC and CMPDI met Director(S&T), DGMS, Dhanbad on 9.1.2015 and apprised him on latest status of the project. They also discussed the problems and hurdles affecting the further progress of the project. Regarding field trial of MF Repeater, Director (S&T), DGMS told that if TCS/CMC would submit the test report of recognised laboratory of originating country for IS, then DGMS may consider to provide permission for field trial on the basis of new guidelines of DGMS on approval policy (Clause No:6.2), which came in to effect from 7th January 2015. TCS/CMC team assured DGMS that after consulting with the technology stakeholders (Kutta Drum 100R manufactures), they will get back to DGMS for amicable solutions for the project. Regarding field trial permission of other sub-system such as MCD (Wi-Fi Dongal), Wi-Fi Access point Antenna & VHF Motorola sets, Director (S&T), Director, DGMS told that he will

Sl. No.	Name of the Project	Financial Outlay (₹ in Lakhs)	Date of Start	Revised / scheduled date of completion	Progressive Disbursement (₹ in Lakh)	Status
						<p>discuss issues with concerned officers in DGMS and try to find out the appropriate solutions. TCS has received some documents from utta Drum 100R manufactures, USA. After Compilation of documents, TCS/CMC, has submitted these to DGMS for getting field trial permission. Permission from DGMS is awaited. Team consisting of officials from CMPDI,ECL(Hq) and TCS/CMC visited the Jhanjra mine ,ECL and witnessed the successful working of MF radio in underground and signed documents is being provided in the Agenda. The status of the project was again reviewed in R&D Board meeting held on 03.10.2015.The Board was informed that DGMS is examining the documents submitted by TCS and will provide field trial permission of MF Repeater shortly.</p> <p>A meeting was held on 23.11.2015 at DGMS, Dhanbad with CMPDI officials, participants from ISM, Dhanbad and CIMFR, Dhanbad to frame guidelines for issuing clearance for undertaking R&D projects to facilitate technological development in Indian mines. The fresh duly filled application form as per DGMS format along with necessary annexures have been submitted to DGMS after getting approval from the competent authority of CMPDI in the last week of January 2016.Permission from DGMS is awaited. The project status was also reviewed at TCS office, Kolkata on 15.03.2016.</p>

Sl. No.	Name of the Project	Financial Outlay (₹ in Lakhs)	Date of Start	Revised / scheduled date of completion	Progressive Disbursement (₹ in Lakh)	Status
2	Research and development on efficient energy management pilot study and action plan. Project Code: CIL/R&D/1/55/13. Implementing Agencies: IISWBM, Kolkata & DFIC Management Consultants Pvt. Ltd., Kolkata	66.19	March, 2013	May, 2014	64.70	Project completed. A computerized monitoring and reporting mechanism of energy efficiency key performance indicators has been developed. This system will be helpful in providing all necessary details about energy (both diesel and electricity) consumption and thereby key performance indicators associated with each and every process/equipment in use.
3.	Development of Rubber Compound and Repair Techniques for Trailing Cables of Underground Mining Machines Project Code : CIL/R&D /1/54/2013 Implementing Agency : IIT, Kharagpur	204.07	March, 2013	Feb. 2016	202.65	Project has been completed and report is under preparation. and Under this project, repair of one trailing cable of 25sq.mm dia and 70 meters length collected from Patmohana Colliery, ECL with rubber compound developed by IIT, Kharagpur has been completed and different tests were carried out on the cable before final delivery to the colliery. Another piece of damaged trailing cable, 55sq mm dia and 125 meters length collected from JK Ropeways has also been repaired with new developed rubber. High voltage testing of cable has been performed and weak and defective portions were removed and healthy segments having acceptable insulation resistance value have been spliced. In January 2015, IIT, KGP has received 561 m damaged trailing cables from ECL, which are required to rectified and sent back to ECL for field trial. After repairing the damaged cables, IIT, Kharagpur has sent them to mines of ECL for field trial. Performances of these cables are being monitored for achieving final conclusion.

Sl. No.	Name of the Project	Financial Outlay (₹ in Lakhs)	Date of Start	Revised / scheduled date of completion	Progressive Disbursement (₹ in Lakh)	Status
4	To find a methodology of safe liquidation in thick seams of Raniganj Coalfields: Design & Development & show-casing demonstrative trials at Khottadih colliery, ECL	41.066	July 2014	June 2016	30.00 CIMFR-10.00 ECL-20.00	Khottadih during depillaring and observations were taken. The analysis shows 'no significant' change of 'stress' and 'deformation' that may be detrimental to safe depillaring operations except the temporary hassles related to the 'main fall'. Detailed discussion held with mine management to decide the further course of actions specially recording the observations of instruments during and after main fall. It was decided to deploy one more LHD in B-2 panel (presently 2 are deployed) to enhance the production rate so that panel may be exhausted within incubation period with an aim to mitigate spontaneous heating or fire. Anchoring testing done and results are being analysed. The baseline ventilation parameters were generated by CIMFR and analysis of these in context of assessing degree of spontaneous heating and chances of fire, if any, have been incorporated in a network modelled in the computer. The symptom of fire was also detected following the 'fire ladder' principle. The detailed analysis and its findings would be re-validated in Panel B-2(sub-panel B) when the extraction would be started from there at later stage. The panel preparation including supporting all developed galleries with cable bolting is in progress. The project is expected to be completed within scheduled time of completion.

3.3.2. Status of On-going S & T Projects upto 31st March, 2016

Sl. No.	Name of the Project / With Code	Financial Outlay (₹ in Lakhs)	Date of Start	Scheduled / Revised date of completion	Progressive Disbursement (₹ in Lakhs)	Status
1	Development of tele robotics and remote operation technology for underground coal mines – MT (EoI)/162. Implementing Agency : CMERI, Durgapur, CIMFR, Dhanbad & CMPDIL, Ranchi	440.12 For CMERI - 251.57 For CIMFR - 125.55 For CMPDIL - 63.00	Sep. 2012	Aug. 2016	373.00 CMERI-235.00 CIMFR - 75.00 CMPDIL-63.00	The proposed model of the robot has already been developed by CMERI, Durgapur and lab-scale trials have been conducted. Field trial conducted at Khottadih mine of ECL. However, further field trail will be conducted after necessary modifications in the robot design
2	Blast design and fragmentation control- key to productivity - MT/164 Implementing agency: CIMFR, Dhanbad	303.86	Jan. 2013	June-2016	250.00	Field trials were carried out at Nigahi Project, NCL, Kusmunda OCP, SECL, Samleshwari OCP, MCL and Sonapur Bazari Project, ECL. The effect of blast design parameters on rock fragmentation, distribution pattern and scattering effect were studied for each blast. Fragment size analyses are being carried out using WIPFRAG software. The project is expected to be completed within scheduled completion date.
3	Shale gas potentiality evaluation of Damodar Basin of India-CE(EoI)/30 Implementing Agency : NGRI, Hyderabad, CIMFR Dhanbad and CMPDIL, Ranchi	2038.09 For NGRI-813.84 For CIMFR-169.95 For CMPDIL -1054.30	Dec.- 2012	May-2017	1157.57 NGRI-660.00 CIMFR-140.00 CMPDIL-357.57	Rangamati B Block at Raniganj coalfields and western Jharia coalfields has been selected as suitable site for conducting 3D seismic survey. Petrographic analysis, adsorption isotherm test, proximate analysis etc. have been carried out at CIMFR, Dhanbad and NGRI, Hyderabad from the collected samples. 3D seismic survey has just started by NGRI, Hyderabad in Rangamati B block near Durgapur.

Annexure - II

EASTERN COALFIELDS LIMITED

Annexure - III

3.13 Project Monitoring and Status of Implementation of Ongoing Projects :

Sl. No.	Name of Project	Capacity (MTY)	Capital (₹ Cr.)	Date of Approval	Status of Implementation
1	Khottadih OC Aug.	1.50	₹ 56.27 crore in first year out of total capital of ₹ 60.10 crore	CIL Board on 27.2.2015	a. Production achieved in 2015-16: 1.79 MT. b. For 42.83 Ha: Writ of possession certificate has been handed over by DL & LRO Pandaveswar on 16.09.2015. c. CIL Board on 27.2.2015 has approved the expenditure envisaged in first year (₹ 56.27 crore) in RCE till it is finally approved by CIL Board.
2	Bankola R-VI Seam (UG)	0.24	19.14	Mar'03	PR involves widening and deepening of existing shafts for entry to the lower seams. CMPDIL, RI-1 has been asked for Recast of PR along with updation of technology.
3	Kumardih B CM UG	1.02	117.90	May' 14	a. Construction of 2 number incline: under tendering. b. Construction of approach Road: Completed. c. Establishing of 33 KV overhead lines from Pandaveswar substation of WBSEDCL: under process. d. Finalization & award for Continuous Miner (Hiring basis): under process.
4	Khandra NKJ UG	0.285	18.85	July' 03	Widening and deepening of shafts have been completed. RI-I has been asked for Recast PR along with updation of technology.
5	Siduli UG.	0.30	54.99	Dec' 06	Final Recast PR is under preparation at RI-I, CMPDIL.
6	Parasea Dobrana UG.	0.16 (Inc.)	11.89	Feb' 04	Project Report is under recast/revision.
7	Belbaid UG	0.36 incr.	69.11	Feb' 09	
8	Nabkajora–Madhabpur Block	0.30	56.14	Dec' 06	Final Recast PR has been prepared & received on 31.03.2016.
9	Rajmahal Expansion	17.00	153.82	Sept 09	a. Acquisition/Possession of land and R & R activities is going on. b. Production Achieved in 2015-16: 15.55 MT
10	Mohanpur Expansion OC	1.00	14.23	June 08	The project achieved its targeted production in 11-12. Purchase and

Sl. No.	Name of Project	Capacity (MTY)	Capital (₹ Cr.)	Date of Approval	Status of Implementation
					Registration for 12.75 Ha of land out of 46.50 Ha has been completed till March-2016. For further purchase, negotiation is going on. Shifting process has started. So far 4 Nos of PAFs have been shifted till March-2016.
11	Narainkuri UG	0.54	149.06	Feb' 09	Project Report is under recast/revision at CMPDIL.
12	Sonepur Bazari Combined OC	8.00	1055.05	Aug' 12	<ul style="list-style-type: none"> a. Production Achieved in 15-16 is 6.20 MT. b. Rehabilitation: Twelve villages (about 3650 PAFs) are to be shifted. So far 537 PAFs have been shifted. c. Diversion of NH-60: Work order has been issued by PWD (Roads), Govt. of West Bengal. Preliminary work has started. d. Railway Siding: Work is under progress. ESP is under process of approval by Eastern Railways.
13	Khottadih CM	0.6	127.17	May -11	<ul style="list-style-type: none"> a. Tender for CM package: under process. b. Drivage of Incline from surface: Completed on 20.11.2015. c. Drift from R-IV to R-V seam: Upward drift drivage from R-V seam is in progress, so far 96 meter drivage out of 290 meter has been done. d. Filling of Bilpahari OCP: Around 29.95 lakh cum has been filled up out of total quantity of 62 lakh cum till date.
14	New Kenda OC	1.20	127.72	October-2014	<ul style="list-style-type: none"> a. Additional land required: 148.72 Ha of land. A proposal of 122 Ha of land by Direct Purchase mode was approved. Purchase and registration done for 26.62 Ha till March-16. b. Diversion of 2 number of HT Power-line (11 KV): Job completed. c. Rehabilitation: A rehab site of 8.016 acre has been identified. The layout

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Sl. No.	Name of Project	Capacity (MTY)	Capital (₹ Cr.)	Date of Approval	Status of Implementation
					plan has been submitted to ADDA for vetting and approval. d. Tender for HOE: under process.
15	Chitra East OC	2.50	112.69	Aug' 07	<p>a. Production achieved during 2015-16: 1.63 MT.</p> <p>b. Acquisition of 323.00Ha of J.B. land: Legal transfer of tenancy land is delayed due to issue of signing DOC (deed of conveyance). A request letter was sent on 19.12.2015 to DLAO, Deoghar for informing stamp duty and registration fee. Demand note is awaited from Dist. Sub Registrar for stamp duty and registration fee.</p> <p>c. Transfer of Govt. land: On 10.06.2015, a fresh demand note of ₹ 15.83 crore (80% of Total value of ₹ 19.79 crore) for 77.75 acres (31.47 Ha) Govt. land from DC, Deoghar. Land schedule has been provided on 12.03.2016 for 27.65 acres Govt. land free from encumbrance. The demand note for the same is yet to be obtained.</p> <p>d. Forest land: Stage-I FC for 124.28 Ha obtained on 21.04.2010. In the meeting held on 30.09.2015, FAC asked for information regarding CA (Compensatory Afforestation) in a specific format from Govt. of Jharkhand. Demand note for CA (₹ 2.82 crore) has been submitted by DFO, Deoghar on 19.01.2016. Payment has been completed. CMPDIL, Ranchi has been advised to conduct DGPS survey of CA land identified by DFO, Deoghar.</p>
16.	Hura-C OC	3.00	₹ 65.22 cr in 1st year out of total ₹ 359.69 cr.	Oct.-2015	a. Possession of CBA land (389 Ha): 8.90 Ha possessed till March-16. Further possession is under progress.

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Sl. No.	Name of Project	Capacity (MTY)	Capital (₹ Cr.)	Date of Approval	Status of Implementation
					<p>b. Forest Clearance: MoEF granted Stage-I Forest Clearance on 09.09.2011 for diversion of 260 Ha in 1st phase for 15 years. Compliance report for obtaining Stage-II clearance submitted to DFO, Godda. File of Compliance along with reply to all queries for forest clearance submitted to DFO, Godda. DFO Godda raised a demand note of ₹ 23.69 crore for NPV for remaining 267.043 Ha forest land required in phase- II on 12.03.2016 as per FC (Stage- I) conditions.</p> <p>c. Hiring of HEMM: NIT document is under preparation.</p>
17.	Jhanjra Combined UG Mine	3.50	₹ 387.19 crore in 1st year out of ₹ 602.86 crore.	Nov-2015	<p>a. Commissioning of longwall equipment: All imported equipment supplied by M/S CODCO, China has been received. Compatibility of equipment completed on 18.11.2015. Transportation of equipment to underground is going on. Commissioning is expected in May-2016.</p> <p>b. LHCM Package: Part-I of the Global tender opened on 05.11.2015.</p> <p>c. Forest Clearance (78.00 Ha for Fresh): Stage-II Clearance obtained on 14.03.2016.</p> <p>d. Forest Clearance (Renewal of 90.30 Ha): FC-I Order issued on 18.11.2014. As directed the Regional Wildlife Plan and correspondence cost estimate has been submitted to additional PCCF, Govt. of West Bengal, which has been forwarded by Govt. of W.B to MoEF on 01.04.2016.</p>

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MANAGEMENT'S DISCUSSION AND ANALYSIS REPORT-2015-16

Overview of the Indian economy:

With estimated GDP, on a purchasing power parity basis, India is the 4th largest economy in the world after the European Union, the United States and China. India is also one of the fastest growing economies in the world. Coal is one of the prime fuels in India and has met approximately 52% of India's total energy needs and will continue to be crucial to India's future energy security.

Indian coal industry and reserves:

As on April 2015, the geological resource of Indian coal was 306.59 BT up to a depth of 1200 m. (Source: GSI, Gol). In India, coal is the prime fuel used to fire thermal power plants due to its availability and affordability.

OUTLOOK:

Overview of Eastern Coalfields Limited:

Eastern Coalfields Limited (ECL) a subsidiary of Coal India Limited was incorporated on 1st November 1975 by taking over 414 mines vested with Eastern Division of Coal Mines Authority Limited (CMAL) and the company commenced its commercial operation from that date. It operates in the states of West Bengal and Jharkhand. There are 14 number of operating areas with 105 number of working mines, 74 being underground mines, 22 opencast mines and 9 mixed mines. ECL is one of the best quality coal producing companies in India having a reserve of 30.69 Billion Tonne of Coal as on 1.4.2015 in the state of West Bengal and 18.63 Billion Tonne in the state of Jharkhand, thus the total is 49.32 Billion Tonne.

Strength and weakness:

Competitive Strength:

- a. Total geological reserve of 30.69 Billion Tonne of Coal, out of which 13.51 Billion Tonne is in the proven category. ECL has premium grade of coal with average ash content less than 20% at Raniganj Coalfields. This coal can be blended with high ash coal from other subsidiaries to satisfy MoEF stipulations.
- b. Reserves of 18.63 Billion Tonne of Coal down to a depth of 600 metre as on 01.04.2015 (as per GSI) in the state of Jharkhand out of which 5.17 BT is proven reserve, where scope for comparatively easy extraction of coal by open cast mining exists.
- c. Workmen capable of working in difficult conditions.
- d. Mines are located along National Highway and Railway Corridor facilitates easy evacuation.
- e. ECL is blessed with coal having wide range of GCV i.e. 7000 kcal/kg to 3400 kcal/kg (G2-G13) thereby making it accessible to wide range of consumers.

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Weakness:

- a. The coal mining in the Raniganj coalfield had started about 150 years back. Hence the company is loaded with old legacy of small mines, old steam winders working at 50% of its capacity.
- b. Difficult geo-mining condition.
- c. Dense population impedes acquisition of land.
- d. Huge infrastructure built on coal bearing areas hinder open cast mining.
- e. Huge pumping and sand stowing cost.
- f. Upper water-logged seams impede introduction of Mass Production Technology in lower seams.
- g. Difficulty in better e-marketing of ECL's coal due to 25% cess charged by the Government of West Bengal.

Opportunities and Threats:**Opportunities:**

- a. Realisation of better value for coal through e-marketing.
- b. Recourse working small OC patches to curb illegal mining.
- c. Positive response from Central Trade Unions to issues involving production and productivity.
- d. Increasing co-operation from State Governments/local authorities in solving the problems.
- e. Introduction of Highwall Mining Technology for the first time in ECL.
- f. Exploration and exploitation of Coal Bed Methane (CBM) under ECL lease hold area for the first time. PR is under preparation.

Threats:

- a. Opposition to acquisition of land by villagers and putting demand beyond the Company's norm.
- b. Opposition to closure of unviable underground mines.
- c. Land constraints in introduction of mass production technology in large scale owing to waterlogging of upper horizon & expansion of OC.
- d. Poor realisation due to poor financial health of State Gencos.

Business Strategies:

- a. Continue to increase production, productivity and capitalize on the significant demand-supply gap for coal in India.
- b. Improve realization through increased sale of higher quality coal, and e-auction of coal.
- c. Enhance profitability and maintain competitiveness by improving operating and cost efficiencies and control.
- d. Continue to increase our reserve base by detailed exploration.
- e. Continue to focus on developing environmentally and socially sustainable operations.
- f. Exploration and exploitation of Coal Bed Methane (CBM) under active consideration.

PRODUCTION:

Particulars	2015-16	2014-15
OCP - Coal (MT)	32.880	32.714
Underground Coal (MT)	7.329	7.292
Total (MT)	40.209	40.006
Growth %	0.51	10.99
OBR- (MCUM)	119.22	94.047
Growth %	26.77	9.66

SEGMENT-WISE OR PRODUCT WISE PERFORMANCE:

(in Million Tonnes)

Particulars	2015-16	%	2014-15	%	Growth (%)
Despatch to Outsiders under FSA	34.470	89.28	31.96	83.08	7.85
E-auction	1.827	4.73	1.889	4.91	-3.30
Despatch under MoU-Premium Price	1.313	3.40	4.25	11.05	-69.11
Despatch under MoU-Notified Price	0.667	1.73	--	--	--
Others	0.102	0.27	0.121	0.31	-15.37
Own Consumption	0.228	0.59	0.249	0.65	-9.00
Total Off-take	38.607	100.00	38.469	100.00	0.36

Our Customers:

Most of coal produced in ECL is supplied to Thermal Power Plants. Coal is also supplied to various industries that include Steel, Cement, Sponge Iron, Defence & others.

Transportation, Infrastructure and Logistics:

Following the extraction of coal from a mine/working face, coal is transported to despatch points through tipping trucks and conveyor belts. Coal is delivered to the customers from the dispatch points through rail, road or dedicated rail MGR system.

All consignments dispatched are weighed either at ECL owned weighbridges available at our dispatch points or to the nearest weighbridges owned by Railways. Our sales are either "free on rail" or "free on road" from the designated dispatch points. Customers may choose the mode of transport between rail and road. The cost of transportation of coal from the mines to designated dispatch points is borne by ECL provided such dispatch points are located within three kilometers from the mines. If the dispatch point from our mines is more than three kilometers but within 20 kilometers, the customers bear such transportation cost at specified rates as notified by CIL from time to time. In circumstances where the distance from the dispatch point is more than 20 kilometers from our mines, the customer bears the actual cost of transportation.

The following table shows information relating to various modes of transportation utilized for raw coal dispatch from our mines:

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(in Million Tonne)

Mode of Despatch	2015-16	2014-15
Rail	26.4446	25.538
Road	1.6790	1.639
Merry-Go-Round(MGR)	10.2557	11.043
Total	38.3793	38.220

Pricing of Coal:

The pricing of Non-Coking Coal is presently based on its Gross Calorific Value w.e.f. 01.01.2012 and that of Coking Coal & Washery Grade Coal is set on the basis of ash level content. Pricing of coal for Semi Coking Coal is set on the basis of ash & moisture content level. The coal price is revised considering the escalation in input cost, inflation and landed cost of imported coal. The final customer price includes basic price and other charges (Cess, Royalties, Excise, Sales Tax and others). Around 90% of Coal is sold under the long-term fuel supply agreements (“FSAs”) executed between ECL and the linked customers. In addition, coal is also sold under E-auction scheme.

Distribution and Marketing Policy:

NCDP has been issued on October 18, 2007 with an objective to meet the demand of coal from consumers of different sectors of the economy, both on short term and long term basis, in an assured, sustained, transparent and efficient manner with built- in commercial discipline.

E-Auction Scheme:

The E-Auction scheme of coal has been introduced to provide access to coal for customers who are not able to source their coal requirement through the available institutional mechanisms under the NCDP. The quantity of coal to be offered under E-Auction is reviewed from time to time by the MoC. The E-auction scheme provides an avenue for additional coal procurement by customers.

Fuel Supply Agreements:

In accordance with the terms of the NCDP, Coal Company has entered into legally enforceable FSAs directly with the customers or with State Nominated Agencies that in turn enters into appropriate distribution arrangements with end customers. Our FSAs can be broadly categorized into:

1. FSAs with customers in the power utilities sector, including State power utilities, private power utilities (“PPUs”) and independent power producers (“IPPs”);
2. FSAs with customers in non-power industries (including captive power plants (“CPPs”) and
3. FSAs with State Nominated Agencies.

RESEARCH AND DEVELOPMENT

For research and development needs ECL engaged CMPDIL, which is one of the subsidiary of CIL. CMPDIL acts as a nodal agency for coordination of the research activities, disbursement of funds as well as monitoring the progress of our research and development activities.

MEMORANDUM OF UNDERSTANDING BETWEEN EASTERN COALFIELDS LIMITED AND COAL INDIA LIMITED AND MINISTRY OF COAL:

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For every financial year ECL enters into a MoU with CIL and MoC to set various parameters for physical and financial performances. The achievements are graded on a scale of 1 to 5; excellent being the grade 1 and poor as 5. For the year 2014-15, ECL has obtained “Excellent” grading.

INTERNAL CONTROL SYSTEMS AND THEIR ADEQUACY:

The Company has a sound system of internal control for efficient running of its business as well as for complying with the different guidelines and procedures in the day to day operation.

There are different Manuals in operation (e.g. Manuals for Purchase, Civil, Finance, Contract Management etc.) with detailed laid down procedures, which are required to be followed in the day to day functioning. At times the Manuals are supplemented by circulars which are issued from time to time by the competent authority as and when deemed fit, in furtherance of the objective of the organization. The Manuals/ Circulars not only provide requisite checks and balances at different stages in the system, but also provides extensive guidance in minimizing errors, omission or commission and thereby render the system more effective.

The delegation of power (DOP) is comprehensive and it percolates down to the colliery/unit level to ensure that the decisions are taken promptly at various levels in terms of DOP depending upon materiality & importance. Thus there is a smooth decision making process which ensures timely decisions on all important issues at the different levels.

In order to ensure that the requisite checks and balances are in place & all internal control systems are in order, regular and exhaustive Internal Audit is being carried out by experienced firms of Chartered/ Cost Accountants throughout the year. C&AG also conducts transaction audit throughout the year in which justification in support of the expenditure and the Internal Control aspects are analysed in- depth. Observations, if any, pointed out in the Inspection Report of C&AG Office for justification and corrective action is taken by the management.

The Audit Committee of the company/CIL maintains a close watch on the internal control systems and significant observations of the Internal Auditors are placed before the Audit Committee for periodical review. After consideration thereof, the Audit Committee issues necessary directives, as deemed fit for compliance.

The Internal Audit Department also undertakes Special Audit/enquiries on specific issues as and when required by the Management. While conducting such special audit/enquiry, the Internal Control system in operation is examined in-depth vis-à-vis lapses occurring, if any, and the matter is reported to the competent Authority for necessary remedial action.

During 2015-16 an exercise on Internal Financial Control on operations of the company was undertaken by the different Audit Firms working as Internal Auditors of ECL and the Audit Firms have expressed satisfaction over Internal Financial Control in existence in different Areas.

Thus the company has a sound system of Internal Control having regard to the size of the company and the nature of transactions carried out by it.

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COST AUDIT:

Pursuant to Section 148 of the Companies Act, 2013 and The Companies (Cost Audit Report) Rules, 2011, Cost Audit has become mandatory for Eastern Coalfields Limited. For financial year 2014-15, Cost Audit Report was filed with the Central Government in Form-I-XBRL on 29th September, 2015.

DISCUSSION ON FINANCIAL PERFORMANCE WITH RESPECT TO OPERATIONAL PERFORMANCE**Results of Operations:**

(₹ in crore)

Particulars	2015 – 16	2014 – 15	Growth (%)
Gross Sales	13514.18	13413.84	0.75
Less : Levies	3903.97	3395.30	14.98
Net Sales	9610.21	10018.54	-4.08
Other Income	815.83	894.25	-8.77
Total Income	10426.04	10912.79	-4.46

Income from Sale of Coal:

Sales is presented as gross sales net of (i) various statutory levies comprising royalty, cess on coal, central excise duty and stowing excise duty : and (ii) sales tax. The Income from sale of coal is mainly dependent on the pricing and production of coal and distribution thereof.

Expenditure:**Break up of Major Heads:**

(₹ in crore)

Particulars	2015-16	2014-15	Growth	
			Absolute	% age
(Accretion)/Decretion in stock	-186.24	-84.84	-101.40	119.52
Stores & Spares	780.31	797.82	-17.51	-2.19
Salary & Wages	5610.45	5,850.50	-240.05	-4.10
Power & Fuel	507.48	475.78	31.70	6.66
Social Overhead	62.61	24.85	37.76	151.95
Contractual Exp/Repairs	1367.92	1,025.03	342.89	33.45
Other Expenditure	414.89	349.99	64.90	18.54
OBR Adjustment	-11.71	174.42	-186.13	-106.71
Depreciation/Impairment	290.75	244.79	45.96	18.78
Provision	112.92	99.58	13.34	13.40
Profit Before tax	1300.04	1,782.41	-482.37	-27.06
Profit after tax	868.02	1,139.40	-271.38	-23.82

Cash Flows:

(₹ in crore)

Particulars	31.03.2016	31.03.2015
Opening Cash & Cash equivalents	538.77	1114.55
Net cash from operating activities	32.86	907.31
Net cash from investing activities	25.66	-1477.34
Net cash used in financing activities	-6.21	-5.75
Change in Cash and cash equivalents	52.31	-575.78
Closing cash & cash equivalents	591.08	538.77

MoU Activities :

Sl. No.	Performance Indicators	Measurement Unit	Target for the year (Very Good)	Achievement
1	Gross Operating Margin Rate	Ratio	11.41	14.32
2	PAT/Net Worth	Ratio	0.34	0.36
3	EBITDA/Net Block	Ratio	0.54	0.92
4	Sales Turnover/Net Block	Ratio	4.18	5.57
5	Average Collection Period of Trade Receivables	No. of days	38.07	45.68
6	Setting of Cost Control Unit at subsidiary level for improvement in financial ratios	Month	Nov-2015	Committee constituted on 23.09.2015
7	Reduction in OT Cost per Cum in real term over OT Cost per Cum. in 2014-15 (Adjusted with DA increase in 2014-15)		1.00	1.19

HUMAN RESOURCE DEVELOPMENT:**Manpower:**

Category	Manpower as on		Increase (+)/ Decrease (-)
	31.3.2016	31.3.2015	
Executive	2375	2472	-97
Supervisor	4439	4736	-297
Ministerial / Clerical	2806	3175	-369
Highly Skilled / Skilled	22571	23422	-851
Semi-Skilled / Unskilled	33301	34121	-820
Trainee	746	755	-9
Total	66238	68681	-2443

Reasons for variation in Manpower:

Particulars	Executive	Non-Executive	Total
INCREASE			
Fresh Appointment	83	193	276
Appointment against medically unfit cases.	0	5	5
Appointment against death cases.	0	472	472
Reinstatement/Re-joined.	1	38	39
Transfer in from other companies.	36	5	41
Appointment against Land Losers	0	278	278
Appointment against Special Female VRS	0	983	983
Total Increase (A)	120	1974	2094
DECREASE			
Retirement	145	2593	2738
Medical Unfit	0	29	29
Death	9	658	667
Resignation	21	10	31
Transfer to other companies	40	14	54
Dismissal/Termination	2	25	27
VR under GHS/EVRS	0	10	10
Special Female VRS	0	981	981
Total Decrease (B)	217	4320	4537
VARIATION (A – B)	-97	-2346	-2443

Industrial Relations :

The participative style of management facilitates in settling the disputes/grievances amicably through discussion. As a result the industrial relations in the company during 2015-16 remained cordial. The statistics relating to Industrial Relation and Law & Order is given below:

SI No	Subject	2015-16	2014-15
1	No. of strikes	1	1
2	Mandays lost (in lakh)	0.15	0.25
3	Production lost (in lakh tonnes)	0.37	0.97

Law and Order :

Subject	2015-16	2014-15
Law and order (Disturbance)	34	18
Production Lost (in Lakh Tonne)	0.12	0.63

Workers' Participation in Management:

The workers participation in management in ECL is fully operative in all wings of our company. The Joint Consultative Committees are operating at Corporate as well as at Project/Unit level. The meeting of JCC are held regularly where important issues are discussed thread bear viz. production, productivity, etc besides other committee / boards viz safety committee, welfare board, etc are also functioning in our

company. The Trade Unions very actively participated in such committees.

Meetings	2015-16	2014-15
No. of JCC Meeting held at HQ level	05	06
No. of structured Meeting held at HQ level	21	20

Employment provided under NCWA, LLS, etc:

Employment provided under	2015-16	2014-15
NCWA	458	665
Land Losers Scheme	238	275
Direct Recruitment	276	169

Reservation for Scheduled Caste (SC)/Scheduled Tribe (ST) and Other Backward Class (OBC) in recruitment and promotion:

The Presidential Directives in the matter of recruitment of Scheduled Caste (SC), Scheduled Tribe (ST) and Other Backward Class (OBC) have been implemented in ECL. The representation of SC and ST candidates in total manpower is as under:

As on	Total Manpower	SC Candidates		ST Candidates	
		Number	%	Number	%
31.03.2016	66238	18204	27.48	8727	13.18
31.03.2015	68681	18811	27.39	8949	13.03

A total of 292 candidates belonging to SC community and 135 candidates belonging to ST community were promoted during 2015-16 against 450 and 206 candidates respectively during 2014-15. As on 31.03.2016, on Roll OBC community employees are 16611 against 17094 employees in 2014-15.

Disclosure under Sexual Harassment of women at Workplace (Prevention and Redressal) Act, 2013:

The Internal Complaint Committee (ICC) of ECL under section-2 (h) of Sexual Harassment of women at Workplace (Prevention and Redressal) Act, 2013 has been constituted on 23.05.2014. So far, two complaints regarding sexual harassment at ECL have been received and both the cases are under enquiry.

Trade Unions:

The majority of our non-executive employees are members of several unions including INTUC, AITUC, HMS, BMS, UTUC, CITU etc. The executives are members of CMOAI. The wage revision and other conditions of service of non-executives employees are governed by the National Coal Wage Agreement (NCWA) formulated by JBCCI. The JBCCI has signed the MoU for NCWA-IX on 31.12.2011 and consequent from that the NCWA-IX has come into force with effect from 01.07.2011 for a period of 5 years benefiting all categories of employees excluding executives. Salaries, perks and allowances etc. of our executive cadre employees are determined by Government of India. The current compensation package for executives was revised from 1st January, 2007.

Training:

We aim to provide continuous training for our employees. Indian Institute of Coal Management (IICM)

which was formed in 1994 by Coal India Limited (CIL) offers training programmes such as Advanced Management programme, Leadership Development programme, Advanced Maintenance practices, Management Development programme, Training and Coaching, Career Development for junior officers, etc. In addition, our company has arranged for a significant number of executives to attend external training programmes and sent our employees for a number of international training sessions outside India. Apart from IICM, at ECL, we have our HRD centre, VTCs which provide various training to our employees. Induction programmes are also carried out regularly for newly recruited Management Trainees. HRD is also arranging industrial/vocational training on need basis for students of various Institutes.

In 2015-16, company had imparted training to 4049 persons compared to 4077 persons in 2014-15. The details are given below:

1. Action Plan :

Year	No. of Course		No. of participants							
			Target				Actual			
	Target	Actual	Exe.	Supv.	Worker	Total	Exe.	Supv.	Worker	Total
2015-16	156	151	295	460	1050	1805	426	731	1092	2259
2014-15	138	149	315	510	960	1785	423	561	1270	2254

2. Details of various training provided during the year 2015-16 as compared to 2014-15

SI No.	Nature of Training	2015-16				2014-15			
		Exe.	Supv.	Worker	Total	Exe.	Supv.	Worker	Total
1	General/In-Company Training:								
1.i	3 days or more	426	731	1092	2259	423	561	1270	2254
1.ii	Less than 3 days	404	60	288	752	304	112	200	616
2	Training External (within India):								
2.i	At IICM:								
2.i.a	3 days or more	273	0	0	273	399	4	0	403
2.i.b	Seminar/Short course	117	0	0	117	31	0	0	31
2.ii	Out Company Training (Other than IICM):								
2.ii.a	Short duration	144	4	0	148	41	3	7	51
2.ii.b	Long duration	0	0	163	163	0	0	163	163
2.ii.c	3 days or more	70	10	13	93	148	20	1	169
3	Trainees:								
	PDPT	0	80	0	80	0	57	0	57
4	Seminar/Workshop excluding in-company	131	16	12	159	298	4	0	302
5	External (abroad)	15	0	0	15	31	0	0	31
TOTAL		1580	901	1568	4049	1675	761	1671	4077

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3. Details of Special Training Programmes conducted to meet the requirement of Skilled Manpower:

Sl. No.	Details of Programme	Number of Participants
1	Coaching class for promotion from non-executive to executive	152
2	Training program for newly recruited Security Sub Inspectors	64
3	Underground training to local youth to become mining sirdar	450
	Total	666

4 MoU Activities :

Sl. No.	Performance Indicators	Measurement Unit	Target for the year (Very Good)	Achievement
1	Training in Risk Management	Number	18	28
2	Training in Competency & Skill Development for Executives & Non-Executives	%age	2.61	3.74
3	Skill upgradation programme of 5 days duration for each employee	%age	33	36.85
4	Health Screening Test for Respiratory Diseases for employees	%age	30	36.83

ENVIRONMENTAL PROTECTION AND CONSERVATION:

The impact on the environment due to coal mining activity is being monitored constantly by the company and adequate measures for control of Air, Water & Noise Pollution, Land degradation, Deforestation etc are being undertaken in accordance with the provisions of all statutory norms, Acts, Rules on regular basis by adopting following Environment Protection Activities.

With the growing importance on reclamation of land, proper closure of mines, better air, water and land management, addressing public concerns on environment, R & R, CSR etc., the area addressed in the EC conditions has also increased manifolds. Also the developed concept of environmental parameters like reduction in carbon and water footprint, earning carbon credit, combating Climate Change, etc. have made us inclined to work on this front as expected by the stakeholders. ECL firmly believes in adhering to the concepts of Sustainable Development and adoption of non-conventional energy to meet the energy demands. Sustainable use of mine water and replenishment of groundwater is also prioritised on the forefront of environmental core issues. As a part of this we have initiated programs such as Rainwater Harvesting, installation of Solar Panels etc.

Major Achievements during 2015-16:

1. Environment clearance:

In continuation to our efforts for obtaining EC for pre-nationalized mines (Raniganj Coalfields inherited 75 mines from pre-nationalization era with few dating back to 1774), mines under Cluster no. 4 and Cluster no. 11 were granted EC during 2015-16. Ten Clusters obtained EC in the year

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2014-15. Under the Cluster scheme EC process for all the 106 mines with a total EC capacity of 77.53 MTPA was completed.

The details of EC obtained during 2015-16:

SL No.	Name of Proposal	No.of Mines	EC Capacity (MT)	Date of Grant of EC
1	Cluster No. 4	3	7.71	21-07-2015
2	Cluster No. 11	11	8.20	21-07-2015
3	Cluster No. 12-ammendment	19	31.83	03-03-2016
	Total	33	47.74	

Progress of EC process in 2015-16 :

Sl. No	Activity during 2015-16	No. of Proposals / Clusters
1	Draft EIA/EMP prepared	2
2	Public Hearing conducted successfully	5
3	Final/Addendum EIA/EMP Prepared	3
4	Amendment proposal submitted to MoEF (along with Mining Plan)	2
5	Proposals submitted to MoEF&CC for EC	5
6	No. of EAC meeting attended	10
7	Environment Clearance granted by MoEF&CC	3
8	Environment Clearance recommended by MoEF&CC	2

2. Forest Clearance:

The major achievement with regard to FC in the current Fiscal are:

- Grant of Stage-I & Stage-II Forestry Clearance for diversion 78.00 Ha of Forest Land for Jhanjra UGP which will enable production from Low Height Continuous Miner.
- Grant of Stage-I Clearance for diversion of 32.65 Ha of Forest land for Sonapur Bazari OCP.
- Compliance report was submitted for diversion of 90.3 Ha of Forest Land for Jhanjra UGP and 32.65 Ha of Forest land for Sonapur Bazari OCP which are in final stage for grant of Stage-II FC.
- In the case of forest land proposal of Chitra OCP (2.5 MTPA)—diversion of 124.28 Ha exemption was granted for providing non-forest land for Compensatory Afforestation after a lot of deliberation between State Govt. and MoEF&CC.

Progress of Forest Clearance in 2015-16 :

Sl. No	Status	No. of Proposals / Clusters
1	Stage-II Clearance Granted	1
2	Stage-I Clearance Granted	2
3	Proposals Forwarded to MoEF&CC for Stage-I Clearance	1
4	Proposals Considered in FAC Meeting	3
5	Proposals Under consideration at State Govt. for Stage-II Clearance	3
6	New proposals for Stage-I Clearance Initiated	3

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3. Plantation:

During 2015-16, 2,50,000 saplings were planted over 100 Ha of land within ECL Command Area. Progressive plantation covered by State Forest Departments in ECL Command Area is 7.2413 million saplings over an area of 2901.49 Ha of land. The major thrust of the plantation has been reclamation. 80 Ha out of 100 Ha plantations have been carried out in OB dumps.

4. Sustainable Development initiatives:

In continuation to our initiative for rain water harvesting started from 2012-13, six rooftop rainwater harvesting projects were successfully completed by ECL under the aegis of its Sustainable Development Initiatives at Mugma Area and Satgram Area.

5. Special Achievements:

- a. Environment Clearance of all the mines under Cluster Scheme (106 mines) was completed. There are no non-EC mines in ECL.
- b. Implementation of EMP and EC compliance of pre-nationalized mines made for the first time.
- c. Show casing the efforts of ECL on Ecological Restoration by presenting the case study of Gunjan Park which was included in the achievement list of COP-21, UNFCCC held from 30th November 2015 – 12th December 2015.

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CSR Activities 2015-16

Brief outline of the company's CSR Policy:

Modified CIL CSR Policy in consonance with amendment of Companies Act, 2013 has been adopted and implemented at ECL. The DPE Guidelines on CSR vide F.No.-15(13)/2013-DPE(GM) dated 21st October, 2014 effective from 01.04.2014 is also adhered to. It integrates our business with social processes by making welfare measure focused primarily on under privileged, land oustees and Project Affected People (PAPs) staying in the radius of 25 KM of ECL. As per the provision under CIL CSR policy, 20% of the fund may be utilized beyond the radius of 25km of ECL HQ/Area/Project. It ensures that poor and needy section of the society derives the maximum benefit to support their development and sustainability. The Projects and Programs have been directed in the following priority areas at ECL:

1. Swachh Vidyalaya Abhiyan
2. Drinking water facility
3. Health and medicine
4. Education
5. Sanitation and public health.
6. Infrastructure development such as construction/repair of Community Centers/ Buildings/ construction of roads, pathways etc.
7. Promotion of Sports & Games.
8. Setting of skill development centers.
9. Supplementing Development Programs of the Govt.
10. Environment.

Composition of CSR Committee:

In order to steer the CSR & Sustainability agenda of the company the two-tier structure, comprising of a Board level committee, headed by Independent Director and a below Board level committee headed by Dy. GM(Welfare &CSR) were constituted for planning, implementation, monitoring and evaluation of CSR and Sustainability activities of ECL. Below Board level CSR committee constituted at ECL HQ as specified in CIL CSR Policy co-ordinates CSR activities from concept to conclusion.

At the Area Level, a CSR Committee of multi-disciplinary executives has also been constituted for implementing CSR Activities.

Average Net Profit of the Company for last three financial years:

The determination of the amount as 2% of Average Net Profit/Profit before Tax of previous three years as per section 198 of the Companies Act, 2013 is as follows:

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Particulars	2012-13	2013-14	2014-15
Profit before Tax (₹ in crore)	1897.18	1299.28	1782.41
Less Profit on Sale of Assets (₹ in crore)	0.80	1.63	1.10
Profit u/s 198 (₹ in crore)	1896.38	1297.65	1781.31
Average net profit for three years (₹ in crore)	1658.45		

Therefore, 2% of Average Net Profit comes to ₹ 33.17 Crore.

Prescribed CSR Expenditure:

Fund provisioning by ECL is based on the CSR Policy of CIL which is 2% of Average Net Profit or ₹2/- per tonne of coal production of previous year whichever is higher. Production in 2014-15 was 40.006MT. Hence CSR provision at the rate of ₹2/- per tonne of coal production would have been ₹8.00 crore, where as @ 2% of Average Net Profit comes to ₹33.17 crore which is higher.

Actual amount incurred in pursuance to Corporate Social Responsibility Policy during the financial year is ₹62.61crore which is more than 2% of the Average Net Profit. Details of CSR Activities undertaken by the company under CSR Policy is given in **Annexure-A**. Toilets were constructed in various schools in the districts of Purulia (West Bengal), Deoghar and Sahebganj (Jharkhand) under Swachh Vidyalaya Abhiyan/Swachh Bharat Abhiyan as per instructions/guidelines of Ministry of Coal and CIL.

It is hereby confirmed that the implementation and monitoring of CSR Policy at ECL is in compliance with CIL CSR Policy, in line with Companies Act, 2013 and DPE Guidelines effective from 01.04.2014.



(Chandan Kumar Dey)
Chairman-cum-Mg. Director
Eastern Coalfields Limited



(Dr. Indira Chakravarty)
Chairperson
CSR and SD Committee, ECL

Date: 15.06.2016

Place: Kolkata

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ANNEXURE - A**CSR Activity for the Financial Year 2015-16**

(₹ in Lakh)

Sl. No.	Activity	Sector	Budget outlay	Amount Spent	Comulative Expenditure upto 31.03.2016	Amount Spent directly or through Implementing agency
1	Providing and installation of 25 nos. tube wells in the villages under Sripur Area (Phase-II)	Water Supply	25.00	25.00	25.00	Asansol Municipal Corporation, BDO, Barabani
2	Renovation of abandoned well to solve the problem of drinking water at Nunia Basti of Sanctoria mouza under Kulti Municipality, ward no.12.	Water Supply	1.39	0.70	0.70	Sanctoria Village Samity
3	Construction of Graveyard shed building at Kultora, Kulti Municipality (Ward No.2), Kulti.	Infrastructure	6.37	6.36	6.36	Asansol Municipal Corporation
4	Allocation of funds for hiring charges of vehicle deployed in Purulia for monitoring of construction of Toilet work in Purulia under SVA	Swachh Vidyalaya Abhiyan	0.33	0.33	0.33	Direct
5	Release of ₹20 crore as second installment for construction of toilets in purulia district under SVA	Swachh Vidyalaya Abhiyan	4,016.50	4,016.50	4,016.50	DC, Purulia
6	Expenditure for organising seminar on CSR at ECL HQ	Others	0.02	0.02	0.02	Direct
7	Essay and debate competition at ECL HQ under SVA	Swachh Vidyalaya Abhiyan	0.77	0.77	0.77	Direct
8	Training on Refrigeration, Air-conditioning and beautician course at VTC, Salanpur Area	Skill development	14.58	7.29	7.29	Sri Sri Rural Development Program Trust(SSRDP)
9	Construction of ITI Lalmatia at Lalmatia, Godda, Rajmahal Area	Infrastructure	231.42	172.20	172.20	D.C, Godda

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10	Skill development livelihood center for vocational training (Sambhav Foundation) at Kenda Area	Skill development	22.94	11.47	11.47	Sambhav Foundation
11	Distribution of aids and appliances to differently abled persons of Bidhan Chandra Pratibandhi Karma Kendra at Khandra, Bankola Area	Medical	1.20	1.20	1.20	Bidhan Chandra Pratibandhi Karma Kendra Khandra
12	Pandal construction for above medicals aids and appliances distribution to differently abled persons of Bidhan Chandra Pratibandhi Karma Kendra at Khandra, Bankola Area	Medical	0.50	0.50	0.50	Bidhan Chandra Pratibandhi Karma Kendra, Khandra
13	Services of HMRI for engagement of Mobile Medical Van for providing medical and Health care services for underprivileged persons residing in the villages of command areas of Mugma, Salanpur, Sodepur, Sripur, ECL-HQ, Mines rescue station(MRS)	Medical	23.50	23.50	23.50	Piramal Swasthya (Formerly HMRI)
14	Engagement of Wockhardt Foundation for providing MMV medical and health care services for underprivileged persons residing in the villages of command areas of S P Mines Area	Medical	23.50	23.50	23.50	Wockhardt Foundation
15	Engagement of Mobile Medical Van for providing Medical Health Care facilities to the underprivileged in the surrounding villages of Sonapur Bazari Area and Kenda Area under ECL by R.K. HIV/AIDS Research & Care Institute, Bahula	Medical	16.57	16.57	16.57	R.K. HIV/AIDS Research & Care Institute, Bahula

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16	Upgradation of Matribedi Shamayita Jeevan Surya Hospital Service & Diagnostic Unit at Bankura	Medical	30.26	30.26	30.26	Matribedi Shamayita Jeevan Surya Hospital Service & Diagnostic Unit.
17	Construction of toilets in the Govt. schools of Deoghar district under SVA	Swachh Vidyalaya Abhiyan	500.00	500.00	500.00	DC, Deoghar
18	Construction of toilets in the Govt. schools of Deoghar district under SVA	Swachh Vidyalaya Abhiyan	913.95	913.95	913.95	DC, Deoghar
19	Providing and installation of 16 Nos. Tube well in Village of Raniganj Coalfields under CSR in the command areas of Satgram, Sripur and Salanpur Areas	Water Supply	16.00	16.00	16.00	SDM, Asansol
20	Installation of Organic Waste Converter(OWC) for Solid Waste Management at Dakshineswar Temple, Kolkata under Swachh Bharat Abhiyan	Environment	12.63	10.00	10.00	Sri Sri Rural Development Program Trust
21	Infrastructure development of Boxing training facility for under privileged and minority students of coal and steel belt by Durgapur Sub-Division Amateur Boxing Association, affiliated by Bengal Amateur Boxing Federation at Durgapur	Infrastructure	20.00	12.00	12.00	Durgapur Sub-Division Amateur Boxing Association
22	Providing and installation of 40 nos. hand pumps in Tundi & East Tundi Block of Dhanbad District, Jharkhand under CSR.	Water Supply	23.15	22.50	22.50	Drinking Water & Sanitation Division no. 2, Dhanbad
23	Extension of MMV services of Wockhardt, Piramal Swasthya (HMRI), RK HIV for a period of three months till March 2016 at ECL Command Areas	Medical	21.15	18.80	18.80	Wockhardt, HMRI, RK HIV

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24	Payment to TISS towards Human resource services to ECL.	Others	2.40	2.40	2.40	TISS
25	Payment to TISS towards Human resource services to ECL	Others	3.59	3.59	3.59	TISS
26	Skill development livelihood center for vocational training at Kenda Area	Skill development	21.66	10.83	10.83	Sambhav Foundation
27	Installation of Organic Waste Converter(OWC) under the project of Solid Waste Management at Baba Baidyanath Mandir, Deoghar, Jharkhand.	Environment	11.51	8.91	8.91	Shivesta
28	Financial support to Purushottam Industrial Training Institute, Ramkanali for construction of ITI building at Ramkanali, Purulia	Infrastructure	22.64	22.64	22.64	Purushottam Industrial Training Institute, Ramkanali
29	Conducting Residential Employable Skill development Training Programmes for SC, ST, OBC, GEN & Minority Youths on Plastic Engineering & Technology under CSR Scheme by Central Institute of Plastic Engineering & Technology (CIPET), (Dept. of Chemical & Petrochemicals Ministry of Chemicals & Fertilizers, Government of India), Bhubaneswar.	Skill development	24.40	24.40	24.40	CIPET, Bhubaneswar
30	Skill development training for income generation for project affected people/poor and needy persons at ITI Kanyapur, Asansol	Skill	3.00	1.50	1.50	ITI Kanyapur, Asansol

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31	Community Participation Model Project for Economic Development and Nutritional Health Management Through Organic Farming, Education and Demonstrations by I.I.T., Kharagpur at Kenda Area	Skill Development	29.76	7.44	7.44	IIT Kharagpur
32	Livelihood Skill Development Training Programme by Vyakti Vikash Kendra (VVKI) a registered public charitable trust at Salanpur Area	Skill Development	7.71	0.53	0.53	VVKI
33	Inter Area village football tournament super cup at ECL HQ	Sports	1.74	1.74	1.74	Direct
34	Hiring of vehicles for school survey for construction of toilets in Govt. schools in Purulia(WB), Deoghar & Sahibganj(Jharkhand) under SVA	Swachh Vidyalaya Abhiyan	0.30	0.30	0.30	Omprakash
35	Hiring of vehicles for school survey for construction of toilets in Govt. schools in Purulia(WB), Deoghar & Sahibganj(Jharkhand) under SVA	Swachh Vidyalaya Abhiyan	0.39	0.39	0.39	Omprakash
36	Payment made for hiring vehicle for toilet construction monitoring work under SVA	Swachh Vidyalaya Abhiyan	13.38	13.38	13.38	Krishnendu Mukherjee
37	Installation of Organic Waste Converter (OWC) under the project of Solid Waste management at Tarapith Temple, Village Tarapur, Sahapur Gram Panchayat, Distt.- Birbhum, West Bengal	Environment	10.47	9.00	9.00	Sri Sri Rural Development Program Trust
38	Purchase of cleaning materials for 40 nos. of schools in ECL command areas	Others	0.40	0.40	0.40	Direct

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39	Purchase of pendrive for collection of Photographs and other related data of Toilet construction under SVA	Others	0.01	0.01	0.01	Direct
40	Web based feedback system for CSR of ECL to CMPDI, Ranchi	Others	16.98	16.98	16.98	CMPDI, Ranchi
41	ATDC Training at Deoghar, Rajmahal Area	Skill Development	22.69	4.08	4.08	Sushila Catering Service
42	Construction of Library at Ishwar Marandi Nagar, Rajmahal Area	Infrastructure	4.25	2.69	2.69	Abdul Haque
43	Rainwater Harvesting at Expert hostel at Urjanagar Colony, Rajmahal Area	Environment	3.90	3.11	3.11	Shrawan Kumar Gandharv
44	Health Camp at Lalmatia, Rajmahal Area	Medical	0.51	0.32	0.32	Direct
45	Supply of drinking water through water tanker to nearby villages of Rajmahal Area	Water Supply	165.62	154.09	154.09	Various Contractual Agencies
46	Cleaning of Man Singh pond of Baba Dham at Deoghar, S P Mines Area	Environment	7.16	7.16	7.16	Shukdeo Pd Singh and N.K. Const.
47	Installation of Kalash Shape dust bins around Mansingh Pond	Environment	6.21	6.21	6.21	Shukdeo Pd Singh and N.K. Const.
48	Purchase of medicine under CSR for distribution among villagers by S P Mines Area	Medical	3.28	3.28	3.28	Direct
49	Construction of toilets in privately managed schools (7nos.) under Mugma Area	Infrastructure	0.08	0.08	0.08	Swati Construction
50	Organising cultural program & cross country race on National youth Day at Mugma Area	Sports	0.20	0.20	0.20	Yuva Kamal Club, Kumardhubi

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51	Village football tournament under CSR at Mugma Area	Sports	0.33	0.33	0.33	Direct
52	Providing & laying GI Pipeline from Mugma more to Muchipara & Kalimata colony near Mandman colliery, Mugma Area	Water Supply	4.87	1.13	1.13	Kazi Abdul Rakib
53	Pipeline work at Shivdanga village from Mandman colliery V T Pump for water supply, Mugma Area	Water Supply	3.34	3.34	3.34	Deo Kumar Ojha
54	Organising inter school essay and debate competition at Mugma Area under SVA	Swachh Vidyalaya Abhiyan	0.31	0.31	0.31	Direct
55	Providing & fitting of pipeline for drinking water in Upper Kuhuka village, Mugma Area	Water Supply	9.94	4.59	4.59	D K Ghosh
56	Health Checkup Camp in collaboration with Gouri Devi Hospital & Research Institute, Durgapur & Sonapur Bazari Area at Haripur Community Centre and publication of newsletter of the activity, Sonapur Bazari Area	Medical	0.20	0.17	0.17	In collaboration with Gouri Devi Hospital, Durgapur
57	Publishing of Newsletter on Medical CSR activities of Sonapur Bazari Area	Medical	0.10	0.09	0.09	Direct
58	Interschool Essay and Debate Competition at Sonapur Bazari Area under SVA	Swachh Vidyalaya Abhiyan	0.31	0.29	0.29	Direct
59	Village Football Tournament at Sonapur Bazari Area	Sports	0.33	0.33	0.33	Direct
60	Mega Health Camp on 25.12.15 at Khaskenda New Najrul Palli Ground, Sonapur Bazari Area	Medical	0.10	0.10	0.10	Direct
61	Eye Operation Camp at Chinchuria Village on 17.02.2016, Sonapur Bazari Area	Medical	0.10	0.10	0.10	Subhash Samity, Chinchuria Village

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62	Blood Donation Camp on 18.03.2016 at Sonapur Bazari Area	Medical	0.05	0.05	0.05	Direct
63	Interschool debate competition at Salanpur Area under SVA	Swachh Vidyalaya Abhiyan	0.31	0.31	0.31	Direct
64	Health Camp at Salanpur Area	Medical	0.52	0.05	0.05	Direct
65	Construction of boundary wall at Banagram Football ground, Pandaveswar Area	Infrastructure	14.00	14.00	14.00	Maa Tara Trading & Const. and G.P & Sons
66	Construction of PCC road(400m) at MDP colliery, Pandaveswar Area	Infrastructure	9.47	9.47	9.47	Chandan Hazra
67	Essay and Debate competition at Pandaveswar Area under SVA	Swachh Vidyalaya Abhiyan	0.31	0.31	0.31	Direct
68	Village football tournament at Pandaveswar Area	Sports	0.33	0.33	0.33	Direct
69	Organising study and welfare camp at Pandaveswar Area	Education	0.10	0.10	0.10	Direct
70	Providing ceiling fan to ECL Aided schools at Pandaveswar Area	Education	0.86	0.86	0.86	Direct
71	Blood donation camp at Marwari Dharmashala, Pandaveswar Area	Medical	0.06	0.06	0.06	Direct
72	Health awareness program on world health day at Pandaveswar Area	Medical	0.25	0.25	0.25	Direct
73	Health check-up camp at South Samla colliery, Pandaveswar Area	Medical	0.30	0.30	0.30	Direct

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74	Inter School Essay & Debate Competition at Kajora Area under SVA	Swachh Vidyalaya Abhiyan	0.31	0.31	0.31	Direct
75	Free Distribution of medicine to nearby villagers at Kajora Area	Medical	0.40	0.39	0.39	Direct
76	Skill Development training Program BY Appreal Training and Design Center(ATDC) at Kunustoria Area	Skill Development	11.83	5.76	5.76	ATDC
77	Construction of Toilets and Providing drinking water facility at privately managed schools at Kunustoria Area	Water Supply	14.93	10.91	10.91	Sanjib Kr Banerjee
78	Expenditure of Medical CSR Camp at Kunustoria Area	Medical	0.52	0.52	0.52	Direct
79	Inter School Debate & Essay competition at Kunustoria Area under SVA	Swachh Vidyalaya Abhiyan	0.31	0.31	0.31	Direct
80	Organising Village Football tournament at Kunustoria Area	Sports	0.33	0.33	0.33	Direct
81	Village Medical Camp at Jhanjhra Area	Medical	0.70	0.70	0.70	Direct
82	Construction of PCC Road (257 mtr) with drain from Kali Mandir to Ghosh Para at Jhanjhra Area	Infrastructure	9.94	9.90	9.90	M/s. Nakul Ch. Barai
83	Construction of PCC Road (700 mtrs) with two culverts from Bouri Para to Samshan Ghat at Luadoha Village, Jhanjhra Area	Infrastructure	18.29	3.55	3.55	M/s. Nakul Ch. Barai
84	Laying of pipe for irrigation at Tirat from mine discharged water, Satgram Area	Water Supply	13.23	10.16	10.16	Haradhan Roy
85	Village football tournament at Satgram Area	Sports	0.33	0.33	0.33	Direct

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86	Essay and debate competition at Satgram Area under SVA	Swachh Vidyalaya Abhiyan	0.31	0.31	0.31	Direct
87	Medical CSR camps at Satgram Area	Medical	0.52	0.18	0.18	Direct
88	Self- defense programme for girls at Satgram Area	Women Empowerment	0.09	0.09	0.09	Direct
89	Organising village football tournament at Kenda Area	Sports	0.33	0.33	0.33	Direct
90	Organising physically challenged person's sports at Kenda Area	Sports	0.40	0.40	0.40	Direct
91	Essay and debate competition at Kenda Area under SVA	Swachh Vidyalaya Abhiyan	0.31	0.31	0.31	Direct
92	Health related CSR activities including heart check-up camp at Kenda Area	Medical	0.52	0.14	0.14	Direct
93	Construction of Toilets and drinking water facility in ECL Aided Schools at Bankola Area	Infrastructure	19.93	18.84	18.84	Rahman construction
94	Inter School Essay and Debate Competition at Bankola Area under SVA	Swachh Vidyalaya Abhiyan	0.31	0.31	0.31	Direct
95	Village Football Tournament at Bankola Area	Sports	0.33	0.28	0.28	Direct
96	Publication of CSR Magazine at Bankola Area	Others	0.20	0.18	0.18	Direct
97	Distribution of Cleaning Items to 11 ECL aided schools at Bankola Area	Swachh Vidyalaya Abhiyan	0.11	0.11	0.11	Direct
98	Seminar on Women Empowerment at Bankola Area	Women Empowerment	0.23	0.23	0.23	Direct

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EASTERN COALFIELDS LIMITED

99	CSR Medical Magazine at Bankola Area	Medical	0.06	0.06	0.06	Direct
100	Medical Eye Camp at Bankola Area	Medical	0.15	0.15	0.15	Direct
101	Medical Camp at Bankola Area	Medical	0.02	0.02	0.02	Direct
102	Blood Donation Camp at Bankola Area	Medical	0.10	0.10	0.10	Direct
103	Health Camps at Bankola Area	Medical	0.12	0.12	0.12	Direct
104	CSR HIV Camps at Bankola Area	Medical	0.06	0.06	0.06	Direct
105	Construction of community hall at Bhamuria at Sodepur Area	Infrastructure	0.11	0.11	0.11	Debanu enterprise
106	Construction of Community hall at Alkusha at Sodepur Area	infrastructure	0.13	0.13	0.13	Debanu enterprise
107	Water supply scheme for Hijuli Village at Sodepur Area	Water Supply	14.24	14.24	14.24	Star Developers
108	Construction of classroom at Saltore colliery, Sodepur Area	Education	8.32	8.32	8.32	Ratan Kumar Mahata
109	Hire charge for ambulance	Medical	0.57	0.57	0.57	Direct
110	Expenditure for Baby Show	Medical	0.23	0.23	0.23	Direct
	Total Expenditure			6,260.96		

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REPORT ON CORPORATE GOVERNANCE:

(1) Philosophy:

Corporate Governance may be defined as a set of systems, processes and principles which ensure that a company is governed in the best interest of all stakeholders. ECL firmly believes that Corporate Governance is a culture under which an organization is nurtured and flourishes by using its core values and the means by which it fulfills the public trust and its stakeholders' expectations. At ECL, it is not just a compliance with laws and ethical standards instead it is an important business investment which is not only necessary to preserve our reputation but also crucial for obtaining and retaining our business.

Transparency, accountability and integrity are the main ingredients of good corporate governance. Your company as a good corporate citizen believes in adhering to the highest standards of corporate governance. ECL provides appropriate access to information to the citizens of India under the provisions of Right to Information (RTI) Act, 2005.

(2) Board of Directors:

(A) Composition of the Board:

We are a Government company within the meaning of section 2(45) of the Companies Act, 2013 as Coal India Limited holds entire paid-up share capital. As per Articles of Association the power to appoint Directors rests with the President of India.

In terms of Articles of Association of the company strength of our Board shall not be less than 2 Directors and not more than 15 Directors. These Directors may be either whole-time Functional Directors or part-time Directors. The Directors are not required to hold any qualification share.

As on 31st March 2016, Board comprised 5 Directors, out of which 2 were whole-time Functional Directors.

The Directors bring to Board wide range of experience and skills.

DIRECTORS:

During the year 2015-16, Shri Rakesh Sinha was the Chairman-cum-Managing Director of the Company till 31.05.2015 and thereafter Shri C.K. Dey, Director (Finance), CIL & Part Time official Director, ECL is holding the additional charge of Chairman cum-Mg Director w.e.f 01.06.2015.

The other Directors on the Board of the Company during 2015-16 were Shri V. Peddanna, Dr. Indira Chakravarty (w.e.f 17.11.2015), Shri S. Chakravarty (upto 09.10.2015), Shri K.S. Patro, Shri B.R. Reddy (upto 29.02.2016) and Shri A.M. Marathe (w.e.f 29.09.2015).

Brief profile of Directors is enclosed as **Annexure - B.**

Service Contract:

Directors of the company are appointed by the President of India. The terms and conditions of appointment of Whole-time Functional Directors are decided by the President of India in terms of Articles of Association of the Company. The terms and condition of non-official part time directors are laid down by the Ministry of Coal.

(B) Board Meetings:

Meetings of Board of Directors are normally held at Sanctoria/Kolkata for the convenience of

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Directors. Company has well defined procedures for meetings of Board of Directors and Committees thereof so as to facilitate decision making in an informed and efficient manner. During the financial year ended 31st March 2016, 9 Board meetings were held as against the minimum requirement of 4 meetings. The details of the Board meetings are as follows:

Date	Board of Directors							
	Functional		Part-time Official		Part Time Non-Official		Total	
	Strength	Present	Strength	Present	Strength	Present	Strength	Present
27.04.2015	4	4	2	2	0	0	6	6
26.05.2015	4	4	2	2	0	0	6	6
14.06.2015	3	3	2	1	0	0	5	4
28.07.2015	3	3	2	2	0	0	5	5
03.09.2015	3	2	2	2	0	0	6	4
30.09.2015	4	4	2	2	0	0	6	6
29.12.2015	3	3	2	2	1	0	6	5
30.01.2016	3	3	2	2	1	1	6	6
23.02.2016	3	3	2	2	1	1	6	6

Details of number of Board meetings attended by each of the Directors are given below:

Sl. No.	Directors	Board Meetings		No. of other Directorships
		Held during the tenure	Attended	
1	Functional Directors: Shri Rakesh Sinha Chairman-cum-Mg. Director (upto 31.05.2015)	2	2	NIL
2	Shri S. Chakravarty Director (Technical) Opn. (upto 09.10.2015)	6	6	NIL
3	Shri K.S Patro Director (Personnel)	9	9	NIL
4	Shri B.R. Reddy Director (Technical) P&P (upto 29.02.2016)	9	8	NIL
5	Shri A.M. Marathe Director (Finance) (w.e.f 29.09.2015)	4	4	NIL
6	Part-time Official Directors: Shri V. Peddanna Director, MoC	9	8	NIL
7	Shri C.K. Dey Director (Finance), CIL Additional Charge, CMD ECL (w.e.f 01.06.2015)	9	9	2
8	Part Time Non-Official Director: Dr. Indira Chakravarty (w.e.f 17.11.2015)	3	2	NIL

(C) Remuneration of the Director:**(i) Functional Directors:**

Name	Designation	Remuneration for the year 2015-16 (Amount in ₹)		
		All elements of remuneration package (i.e. salary, pension, P.F., gratuity etc.)	Other benefits	Total
Shri Rakesh Sinha	Chairman-cum-Mg. Director (upto 31.05.2015)	416125.72	248569.00	664694.72
Shri S. Chakravarty	Director (Technical) Opn. (upto 09.10.2015)	1553867.00	529410.00	2083277.00
Shri K.S. Patro	Director (Personnel)	2265445.88	518661.00	2784106.88
Shri B.R. Reddy	Director (Technical) P&P (upto 29.02.2016)	2216988.15	739459.00	2956447.15
Shri A.M. Marathe	Director (Finance) (w.e.f 29.09.2015)	1128877.00	228930.00	1417807.00

(ii) Part-time official Directors:

No remuneration is paid to the Part-time official Directors by the Company.

(iii) Part-time Non-official Directors:

No remuneration is being paid to Part-time Non-official Directors except sitting fee. Details of sitting fee paid for attending Board / Committee Meetings are shown below.

Sl. No.	Name of the Director	Total Sitting Fee Paid (₹)
1.	Dr. Indira Chakravarty	68,700/-
	TOTAL	68,700/-

3. Board Committee:**[A] Audit Committee:**

Your Company has an independent Audit Committee. The composition, procedures, powers and role/functions of the Audit Committee, constituted by the Company is to comply with the requirements of the Companies Act.

Scope of Audit Committee:

The scope of Audit Committee is as follows:-

1. Overseeing of the company's financial reporting process and the disclosure of its financial information to ensure that the financial statement is correct, sufficient and credible.
2. Recommending to the Board the fixation of audit fees.
3. Recommendation to the Board for fixation of fees to statutory auditors for any other services rendered by the statutory auditors.
4. Reviewing, with the management, and ensuring that the annual financial statements are in compliance with applicable laws before submission to the Board for approval, with particular reference to:

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- a) Matters required to be included in the Directors Responsibility Statement to be included in the Board's report in terms of section 134 (5) of the Companies Act, 2013;
 - b) Changes, if any, in accounting policies and practices;
 - c) Major accounting entries involving estimates based on the exercise of judgment by management;
 - d) Significant adjustments made in the financial statements arising out of audit findings;
 - e) Compliance with legal requirements relating to financial statements;
 - f) Disclosure of any related party transactions; and
 - g) Qualifications in the draft audit report.
 - h) The management discussion and analysis of financial condition and results of operations.
5. Reviewing, with the management, the quarterly financial statements before submission to the Board for approval.
 6. Reviewing with the management, performance of internal auditors and adequacy of the internal control systems.
 7. Reviewing the adequacy of internal audit function, if any including the structure of the internal audit department, staffing and seniority of the official heading the department, reporting structure coverage and frequency of internal audit and the information regarding appointment and / or removal of Internal Auditor.
 8. Discussion with internal auditor and / or auditors any significant findings and follow up thereon.
 9. Reviewing the findings of any internal investigations by the internal auditors / auditors / agencies into matters where there is suspected fraud or irregularity or a failure of internal control system of a material nature and reporting the matter to the Board.
 10. Discussion with statutory auditors before the audit commences, about the nature and scope of audit as well as post-audit discussion to ascertain any area of concern.
 11. Looking into the reasons for substantial default in the payment to the depositors, debenture holders, shareholders (in case of non-payment of declared dividends) and creditors.
 12. Reviewing the functioning of the Whistle Blower Mechanism.
 13. Reviewing the follow up action on the audit observations of the C&A G audit.
 14. Any difficulties encountered during audit work including any restrictions on the scope of activities or access to required information.
 15. Reviewing the follow up action taken on the recommendations of Committee on Public Undertakings (COPU) of the Parliament.

Composition:

Audit Committee comprised of 2 (Two) part-time official directors viz. Shri V. Peddanna, and Shri C.K. Dey (w.e.f 27.04.2015), 1 (one) part-time non-official directors viz. Dr. Indira Chakravarty (w.e.f 29.12.2015) and 2 (two) Functional Director viz. Shri S. Chakravarty, Director (Technical) Operations (upto 09.10.2015) and Shri K.S Patro, Director (Personnel).

Shri V. Peddanna, Part-time Official Director was Chairman of the Audit Committee throughout the year.

Director (Finance) and General Manager (Finance) Internal Audit are the permanent invitees to the Audit Committee and Company Secretary is Secretary to the Committee.

6 (six) meetings of the Audit Committee were held during the financial year 2015-16. The details of the Audit Committee Meeting are as follows:

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Date	Members							
	Functional		Part-time Official		Part Time Non-Official		Total	
	Strength	Present	Strength	Present	Strength	Present	Strength	Present
27.04.2015	2	2	1	1	0	0	3	3
26.05.2015	2	2	2	2	0	0	4	4
28.07.2015	2	2	2	2	0	0	4	4
03.09.2015	2	2	2	2	0	0	4	4
29.12.2015	1	1	2	2	0	0	3	3
30.01.2016	1	1	2	2	1	1	4	4

Audit Committee Attendance:

Details of number of Audit Committee meetings attended by each of the members are given below:-

Sl. No.	Members	Meeting held during respective tenure of members	No. of Meetings attended.
1	Shri V. Peddanna	6	6
2	Shri C.K. Dey (w.e.f 27.04.2015)	5	5
3	Dr. Indira Chakravarty (w.e.f 29.12.2015)	1	1
4	Shri S. Chakravarty (upto 09.10.2015)	4	4
5	Shri K.S. Patro	6	6

[B] Committee for Evaluation, Appraisal and Approval of Projects

In the 246th meeting of the Board, a Committee for Evaluation, Appraisal and Approval of projects was constituted. The Committee for Evaluation, Appraisal and Approval of Projects consisted of 1 (one) part time Official Director, viz. Shri V. Peddanna, 1 (one) part time non-official Director viz. Dr. Indira Chakravarty (w.e.f 29.12.2015) and three Functional Directors viz. Shri S. Chakravarty, Director (Technical) Operations (upto 09.10.2015), Shri B.R. Reddy, Director (Technical) Project and Planning (upto 29.02.2016) and Shri A.M Marathe, Director (Finance) (w.e.f 30.09.2015). Shri K.S. Patro, Director (Personnel) was also holding the additional charge of Director (Finance) from 05.06.2015 till 28.09.2015 and he attended the meeting of Sub-Committee on "Evaluation, Appraisal and Approval of projects" held during that period.

Company Secretary is Secretary to the Committee and General Manager (P&P) is the Nodal Officer for this Committee.

Shri V. Peddanna, Part time Official Director was the Chairman of the committee throughout the year. During the year 2015-16, 8 (eight) meetings of the Committee for Evaluation, Appraisal and

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Approval of Projects were held i.e. on 27.04.2015, 25.05.2015, 28.07.2015, 03.09.2015, 30.09.2015, 29.12.2015, 30.01.2016 and 22.02.2016. The details of members and their attendance at meetings are given below:

Sl. No.	Members	Meeting held during respective tenure of members	No. of Meetings attended.
1	Shri V. Peddanna	8	8
2	Dr. Indira Chakravarty (w.e.f 29.12.2015)	2	2
3	Shri S. Chakravarty (upto 09.10.2015)	5	5
4	Shri K.S. Patro (as Director (Finance) (from 05.06.2015 to 28.09.2015)	3	3
5	Shri B.R. Reddy (upto 29.02.2016)	8	7
6	Shri A.M. Marathe (w.e.f 30.09.2015)	3	3

[C] Committee on C.S.R. & Sustainability.

In the 261st meeting of the ECL Board, CSR & Sustainability Committee was constituted. The Committee consisted 1 (one) part time Official Director, viz. Shri V. Peddanna, 1 (one) part time non-official Director viz. Dr. Indira Chakravarty (w.e.f 29.12.2015) and (4) four Functional Directors viz. Shri S. Chakravarty, Director (Technical) Operations (upto 09.10.2015), Shri K.S. Patro, Director (Personnel), Shri B.R. Reddy, Director (Technical) Project and Planning (upto 29.02.2016) and Shri A.M Marathe, Director (Finance) (w.e.f 30.09.2015).

Company Secretary is Secretary to the Committee and HOD (CSR&W) is the Nodal Officer for this Committee

During the year 2015-16, 3 (three) meetings of the Committee on C.S.R. & Sustainability were held i.e. on 28.07.2015, 03.09.2015 and 23.02.2016. Shri V. Peddanna, Part time Official Director was the Chairman of the committee for the first two meetings held on 28.07.2015 & 03.09.2015. Dr. Indira Chakravarty was Chairman of the Committee for the remaining meeting. The details of members and their attendance at meetings are given below:

Sl. No.	Members	Meeting held during respective tenure of members	No. of Meetings attended.
1	Shri V. Peddanna	3	3
2	Dr. Indira Chakravarty (w.e.f 29.12.2015)	1	1
3	Shri S. Chakravarty (upto 09.10.2015)	2	2
4	Shri K.S. Patro	3	3
5	Shri B.R. Reddy (upto 29.02.2016)	3	2
6	Shri A.M. Marathe (w.e.f 30.09.2015)	1	1

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[D] Committee on Performance Review.

In the 285th meeting of the ECL Board, Performance Review Committee was constituted. The Committee consisted 2 (two) part time Official Director, viz. Shri V. Peddanna and Shri C.K. Dey (upto 23.02.2016), 1 (one) part time non-official Director viz. Dr. Indira Chakravarty and 2 (two) Functional Directors viz. Shri K.S. Patro, Director (Personnel) and Shri A.M Marathe, Director (Finance). During the year 2015-16, 1 (one) meeting of the Performance Review Committee was held i.e. on 23.02.2016.

Company Secretary is Secretary to the Committee and General Manager (P&P), General Manager (Excv.), General Manager (E&M) and General Manager (S&M) are the Permanent Invitees to the Committee.

Shri V. Peddanna, Part time Official Director was the Chairman of the committee. The details of members and their attendance at meetings are given below:

Sl. No.	Members	Meeting held during respective tenure of members	No. of Meetings attended.
1	Shri V. Peddanna	1	1
2	Shri C.K. Dey (upto 23.02.2016)	1	0
3	Dr. Indira Chakravarty (w.e.f 23.02.2016)	0	0
4	Shri K.S. Patro	1	1
5	Shri A.M. Marathe	1	1

[E] Committee of Directors.

A Committee of Directors was constituted with approval of Chairman-cum-Mg. Director which was subsequently ratified by the ECL Board in its 284th meeting held 29.12.2015. The committee was constituted to consider the Second Quarter/Half Yearly Financial Result of the Company for the period ending 30th September, 2015. The members of the Committee were Shri C.K. Dey, Chairman cum-Mg. Director (Additional Charge) to function as Chairman of the Committee, Shri V. Peddanna, Part time Official Director, Shri B.R. Reddy, Director (Technical) P&P and Shri A.M. Marathe, Director (Finance). Company Secretary is secretary to the Committee. 1 (one) meeting of Committee of Directors was held during 2015-16. The meeting was held on 06.11.2015 and all the members of the Committee attended the meeting.

Statutory Auditors:

Under Section 139 of the Companies Act, 2013 the following Chartered Accountants Firms were appointed by the Comptroller and Auditor General of India for conducting audit of the financial accounts of the company for the year 2015-16:

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Statutory Auditors:

1. M/s M Choudhury & Co., 162, Jodhpur Park, Kolkata-700068.

Branch Auditors:

2. M/s U S Saha & Co., 228 Kamalalaya Centre, 2nd Floor, 156 A Lenin Sarani, Kolkata-700013.
3. M/s R P Boobna & Co., Karnani Estate, 209 AJC Bose Road, 2nd Floor, Room No.-87, Kolkata-700017
4. M/s Gupta & Co. 53A, Mirza Ghalib Street, Flat No. 3C, Kolkata-700016
5. M/s Virendra Surana & Co., Near Vivekananda College, Sripalli, Burdwan-713103
6. M/s Roy Ghosh & Associates, 39, Kalna Road, Badamtala, Burdwan-713401

Annual General Meeting:

Particulars of Annual General Meeting of Shareholders of the company held during last 3 years were as under:-

Year	Date & Time	Place	Attendance	Special Resolution, if any
2012-13	25.05.2013 11:00 AM	Sanctoria	Shri Rakesh Sinha, CMD, ECL Shri D. Sett, Chief Manager(F), CIL, Representative of CIL, Chairman, CIL and Director (Finance), CIL Shri S.M. Sharma, Chairman, Audit Committee Shri S.K. Srivastava, D (P), ECL Shri S. Chakravarty, D (T) Operation, ECL, Member of audit committee Shri C.K. Dey, D(F), ECL	-
2013-14	14.06.2014 12:15 PM	Sanctoria	Shri Rakesh Sinha, CMD, ECL Shri S. Manna, Chief Manager(F), CIL, Representative of CIL, Chairman, CIL and Director (Finance), CIL Shri S.M. Sharma, Chairman, Audit Committee Shri K.K. Gautam, Special Director, BIFR Shri S. Chakravarty, D (T) Operation, ECL, Member of audit committee Shri C.K. Dey, D(F), ECL, Shri Ramesh Chandra, D (T) P&P, Shri K.S. Patro, D(P).	

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2014-15	27.06.2015 11:00 AM	Sanctoria	Shri C.K. Dey, Director (Finance), CIL, Chairman cum-Mg Director (Additional Charge), ECL Shri S. Mukherjee, Chief Manager(F), CIL, Representative of CIL, Chairman, CIL Shri S. Chakravarty, D (T) Operation, ECL (member of audit committee) Shri K.S. Patro, D (P) Shri B.R. Reddy, D(T) P&P	
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No Special Resolution was passed through postal ballot at any of the General Meetings of the members held during the above three years.

4. DISCLOSURES:

(a) Related Party Transactions:

As per the disclosures given by the Directors of the company there were no related party transactions that have potential conflict with the interest of the company at large.

(b) Code of Conduct for Directors and Senior Executives:

The Code of Conduct for Directors and Senior Executives was approved by the Board of Directors of the company in its 214th Meeting held on 15th October, 2007. This was circulated to the Directors and senior executives and obtained their affirmation. It was also uploaded in the website of the company www.easterncol.gov.in.

(c) Accounting Treatment:

The financial statements are prepared in accordance with applicable mandatory Accounting Standards and relevant presentational requirements of the Companies Act, 2013.

(d) Risk Management, Fraud Prevention and Identification:

Risk Assessment and Mitigation Policy has been approved by the ECL Board in its 257th Meeting held on 05.11.2012.

(e) CEO/CFO Certification:

A certificate duly signed by Shri A.M. Marathe, Director (Finance) and Shri C.K. Dey, Chairman-cum-Mg. Director (Additional Charge) was placed in the 289th Board Meeting is annexed to the Corporate Governance Report as **Annexure-C**.

(f) Compliance with applicable laws:

During the Financial Year 2015-16, all the laws applicable to the company has been complied.

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5. Means of Communications:

Annual Report, Operational and financial performance of the company is uploaded in company's website www.easterncoal.gov.in.

Apart from Annual Accounts, quarterly review of accounts is also conducted by the statutory auditors of the company.

6. Audit Qualifications:

It is always the company's endeavour to present an unqualified financial statement. Management reply to the statutory auditors' observations on the accounts of the company for the year ended 31st March, 2016 are furnished as an Annexure to Directors' Report. Comments of the Comptroller and Auditor General of India under section 143(6) of the Companies Act, 2013 on the accounts of Eastern Coalfields Limited for the year ended 31st March, 2016 are also enclosed.

7. Training of Board Members:

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

8. Shareholding pattern of the Company:

100% shares of the company are held by Coal India Ltd.

9. Whistle Blower Policy:

The company promotes ethical behavior in all its business activities. The Board has put in place mechanism of reporting illegal or unethical behavior. Employees are free to report violation of laws, rules, fraud or unethical conduct to the Competent Authority. The reports received from any employee will be reviewed by the Screening Committee. The management personnel are obligated to maintain confidentiality of such reporting and ensure that the whistle blowers are not subjected to any discriminatory practices.

The Board of your company had accorded its approval in its 218th Meeting held on 27th March, 2008 to sign a MoU with M/s. Transparency International in line with the MoU entered into by CIL for implementation of Integrity Pact and the same was carried out.

10. During 2015-16, no person has been prevented from direct access to the Chairperson of the Audit Committee.

11. The actual date of submission to DPE of completed data-sheet for PE Survey was 31.08.2015.

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PROFILE OF DIRECTORS

Brief resume of all Directors, nature of their expertise in specific functional areas and names of companies in which they hold Chairmanships, Directorships, and Memberships of Board/Committees are given below.

Shri Chandan Kumar Dey, Director (Finance), Coal India Limited was born in Kolkata on 10th September, 1958. Prior to joining Coal India Limited on 1st March, 2015, Shri Dey served Eastern Coalfields Limited as Director (Finance) from 01.02.2013 to 28.02.2015. Presently Shri Chandan Kumar Dey is holding the additional charge of Chairman cum-Mg Director of Eastern Coalfields Limited w.e.f 01.06.2015.

Shri Dey completed his schooling from Kendriya Vidyalaya in 1975 and graduated from Calcutta University in Commerce with Honours in Accountancy in the year 1978. Shri Dey is a Chartered Accountant and Cost Accountant.

Shri Dey has wide experience of over 35 years and served in different organisations of repute including Lovelock & Lewes, Dunlop India Limited, NICCO Group, Balmer Lawrie & Co. Limited and Oil India Limited.

During his professional career Shri Dey headed the Accounts, Treasury, Taxation and Internal Audit functions and served as Chief Finance Officer. Shri Dey also headed the operations of Balmer Lawrie (UK) Limited for 3 years as Chief Operating officer based in United Kingdom. Shri Dey has travelled extensively within India and Foreign countries like UK, France, Germany, Switzerland, USA, Canada, Hong Kong, UAE and the Central Asian Republic on official assignments.

Shri Dey is interested in reading books and loves music.

Sri V. Peddanna, (59) is Joint Secretary in the Ministry of Coal since July, 2015. Shri Peddanna graduated in Agriculture Sciences from Andhra Pradesh Agriculture University, Hyderabad. He has done Executive Masters in International Business from the Indian Institute of Foreign Trade. Further, he obtained M. Phil degree from Punjab University on Public Administration. His experience spanning 27 years include 4 years in the Ministry of Health & Family Welfare, 7 years in Department of Elementary Education in the Ministry of Human Resource Development, 6 years in the Ministry of Commerce & Industry and 3 years in Ministry of Personnel, Public Grievances L& Pensions. Before joining the Board of Eastern Coalfields Limited as representative of Govt. of India, he has worked as Govt. nominee on the Board of Directors of Northern coalfields Limited.

Prof. (Dr.) Indira Chakravarty is a renowned academician and her entire efforts have been targeted towards using scientific evidence for improving basics of public health viz- Nutrition and Food Security; Food safety; Water, Sanitation and Hygiene. Prof. Indira Chakravarty has the highest degrees in academics which are Ph.D and D.Sc in Science. She studied at the Presidency College and then the Science College in Kolkata and was subsequently trained as a WHO fellow in several renowned organizations and universities in the U.S.

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Prof. Indira Chakravarty received Padma award for her lifelong achievements. She is recipient of the prestigious Eduardo Sauma Award from FAO of the United Nations, in the 50th year of the United Nations (1995) for the best Global Project; Presidents Global Leadership award in Public Health, United States of America from USF in 2009; Indira Gandhi National Priyadarshini Award; Uday award for life time achievement, Rotary International and many more.

She has held most senior and responsible positions viz. At the level of Additional Director General of Health Services, was Director, All India Institute of Hygiene and Public Health, GOI and Director, Chittaranjan National Cancer Institute, GOI, Regional Director, South Asia, MI, IDRC (Canada) and Regional Advisor Nutrition-act, WHO, South East Asia Region.

At present she is Chief Advisor, WSSO, PHED. She is a Member of Core Committee, WASH (Swachh Bharat Mission), MDWS, Govt. of India; Member of Board of Advisers, United Nations University – IIGH; Chairman of Water and Beverage Scientific Panel, FSSAI, MOH&FW, Govt. of India; Chairman of Regional Medical Centre (Bhubaneswar); ICMR, MOH&FW, Govt. of India; Chairman, Stop Diarrhea TAG, Save the Children; Chairman, Schevaran Innovation Centre; Member, Advisory committee on Hygiene Index, Reckitt Benckiser and Independent Director on the Board of Eastern Coalfields Limited.

Shri K.S. Patro, born on 3rd April, 1958, comes from a learned family of Ganjam, Odisha. Sri Patro, a graduate from KSUB College, Bhanjanagar (Odisha) in Economics Honours and a Post Graduate in Labour & Social Welfare from Berhampur University.

Sri Patro joined Coal India Limited (CIL) in 1982 as a trainee Welfare Officer and was posted to Eastern Coalfields Limited (ECL), a subsidiary of CIL. In ECL, he worked in different capacities, heading the Personnel Department in Units & Area level and also dealing with multifarious functions related to Personnel matters especially wages & salary administration, promotion, industrial relations (IR), workers welfare, etc. During his long tenure at ECL he dealt with many delicate affairs involving critical circumstances, especially during major mining accidents that involved fatality at New Kenda mines (1994), Shyamsundarpur Colliery and Bankola Colliery. With his rich field knowledge and experience, he resolved the issues effectively with due regard to the concerns of all. After serving ECL for more than 27 years (1982-2009), he was promoted as Chief Manager (Personnel) in 2009 and joined Central Coalfields Limited (CCL), Ranchi another subsidiary of Coal India Limited.

Later on being promoted to General Manager (Personnel & IR & Welfare) in 2011, he was heading Personnel Department of CCL, and was responsible for maintaining harmonious relation and liaisoning with the functional trade unions at Company level. With his positive approach and dynamic leadership skills the IR scenario of the company was cordial and contributed in its growth with increased production, productivity, offtake, profitability and also created a conducive working environment. With his concern for employee welfare and empathy towards Project Affected People and local population at large, he was able to contribute towards their development and improve their socio-economic condition through Welfare and Corporate Social Responsibility measures. Accordingly, under CSR, he was instrumental in CCL in adopting 3 villages namely Lupungtoli, Seemartoli and Zari (birth place of 1971 Bangladesh war martyr

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Sir Albert Ekka). He ensured all round development of these villages by visiting these villages personally and with special emphasis on improving health, medical & education facilities.

Shri Patro assumed charge of Director (Personnel), ECL on 1st November, 2013 with a determination to bring comprehensive improvement of standard of living of the employees, their families and other stakeholders. He has been instrumental in advocating many initiatives related to personnel, IR, administration, welfare. He always gives special emphasis on improving the welfare amenities provided to employees. He accelerated the opening of Nursing School at CH Kalla, starting of Dialysis unit procurement of many latest medical appliances for Kalla and Sanctoria Hospital, upgradation of Canteens with AC, renovation of quarters, etc.. Apart from this, recruitment of paramedical staffs, statutory personnel and other essential manpower along with capacity building of existing manpower and training to skilled manpower of the company to mainstream production, productivity and safety are also prominent accomplishments.

Sri Patro is proactive about CSR and under his able guidance ECL constructed more than 3400 toilets in three districts of West Bengal & Jharkhand under Swachh Vidyalaya Abhiyaan. Many skill development training centers have been started under his visionary supervision to impart skills on various trades to local youths and empower them to earn a livelihood. He lays equal priority on improving medical, health, sanitation, water and infrastructural facilities in the command area of ECL.

The company came out of the purview of BIFR in 2015 and has been awarded in the fields of promoting Rajbhasa, Women Empowerment, Industrial Relations etc.

Shri A.M. Marathe, Director (Finance), Eastern Coalfields Limited was born on 2nd March, 1958. Shri Marathe joined as Director (Finance) of Eastern Coalfields Limited on 29.09.2015. Shri Marathe is a Chartered Accountant and is a member of the Institute of Chartered Accountants of India.

Shri Marathe has wide experience of over 35 years and has served the Coal Industry in different capacities. Shri Marathe joined Western Coalfields Limited as an Accountant on 16.02.1981. He also served in various Areas of WCL as well as SECL. Prior to joining as Director (Finance) of Eastern Coalfields Limited, he worked as General Manager (Finance) at WCL HQ, Nagpur.

He has visited Sweden, Switzerland and Germany in the Year 2014 on Advance Management Programmes.

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ANNEXURE - C

To,
The Board of Directors,

CEO AND CFO CERTIFICATION

We, C. K. Dey, Chairman and A. M. Marathe, Director (F), responsible for the finance function certify that:

- a) We have reviewed financial statements and the cash flow statement for the year ended 31st March, 2016 and that to the best of our knowledge and belief:
 - i. These statements do not contain any materially untrue statement or omit any material fact or contain statements that might be misleading.
 - ii. These statements together present a true and fairview of the company's affairs and are in compliance with existing accounting standards, applicable laws and regulations.
- b) To the best of our knowledge and belief, no transactions entered into by the company during the year ended 31st March, 2016 are fraudulent, illegal or violate of the company's code of conduct.
- c) We accept responsibility for establishing and maintaining internal controls for financial reporting and we have evaluated the effectiveness of internal control systems of the company pertaining to financial reporting and we have disclosed to the auditors and the Audit Committee, deficiencies in the design or operation of such internal controls, if any, of which they are aware and the steps they have taken or propose to take to rectify these deficiencies.
- d) We have indicated to the auditors and the Audit committee:
 - i) There has not been any significant changes in internal control over financial reporting during the year under reference:
 - ii) There has not been any significant changes in accounting policies during the year; and
 - iii) We are not aware of any instance of significant fraud with involvement therein of the management or an employee having a significant role in the company's internal control system over financial reporting.

Date: 26-05-2016


Director (Finance)


Chairman-cum-Managing Director

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M. CHOUDHURY & CO.
CHARTERED ACCOUNTANTS

ANNEXURE - VII

162, Jodhpur Park, Kolkata - 700 068
Email : emcee_162@hotmail.com,
Ph.: (033) 2429-2417

Auditors' Certificate on Compliance with the conditions of Corporate Governance

To
The Members of Eastern Coalfields Limited

We have examined the compliance of conditions of Corporate Governance by **Eastern Coalfields Limited** (the Company) for the year ended 31st March, 2016.

The compliance of conditions of Corporate Governance is the responsibility of the management. The Company is the subsidiary of Coal India Limited, a Government Company which is listed. The shares of the Company are not listed in any stock exchange and our examination was carried out in accordance with the Guidance Note issued by the Institute of Chartered Accountants of India and was limited to procedures and implementation thereof adopted by the Company for ensuring the compliance of the conditions of Corporate Governance. It is neither an audit nor an expression of opinion on the financial statements of the Company.

In our opinion and to the best of our information and according to the explanations given to us, we certify that the Company has generally complied with the conditions of Corporate Governance.

We further state that such compliance is neither an assurance as to the future viability of the Company nor the efficacy with which the management has conducted the affairs of the Company.

Date : 6th June, 2016
Place : Kolkata

M. CHOUDHURY & CO.
Chartered Accountants
FR No. 302186E

Sd/-
(D. Choudhury)
Partner
Membership No. 052066

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EASTERN COALFIELDS LIMITED

ANNEXURE - VIII

Mitul Jain & Associates

Mobile : + 9191639 09775
E-mail : jmitul@ymail.com

3, Maharshi Debendra Road, 3rd Floor, Kolkata — 700 007

SECRETARIAL AUDIT REPORT

FOR THE FINANCIAL YEAR ENDED 31ST March 2016

*[Pursuant to section 204(1) of the Companies Act, 2013 and rule No. 9 of the
Companies (Appointment and Remuneration Personnel) Rules, 2014]*

To,
The Members,
Eastern Coalfields Limited.
Sanctoria, Dishergarh.
West Bengal-713333.

We have examined the registers, records, books and papers of Eastern Coalfields Limited for the financial year ended on 31st March 2016. I have checked all the documents according to the provisions of :

- a) The Companies Act, 2013 (the Act) and the rules made there under including any re-enactment thereof;
- b) The Securities Contracts (Regulation) Act, 1956 ('SCRA') and the rules made there under;
- c) The Depositories Act, 1996 and the Regulations and Bye-laws framed there under;.
- d) Foreign Exchange Management Act, 1999 and the rules and regulations made there under to the extent of Foreign Direct Investment, Overseas Direct Investment and External Commercial Borrowings;
- e) The Securities and Exchange Board of India Act, 1992
- f) Other laws specifically applicable to the Company.

We have also examined compliance with the applicable clauses of the following:

- a) Secretarial Standards issued by The Institute of Company Secretaries of India.
- b) Guidelines on Corporate Governance of CPSE, 2010.
- l) In our opinion, based on test check carried out by us, verification of records produced to us and according to the information furnished to us by the Company, its Company Secretary and Officers, the Company has complied with the provisions of the Companies Act, 2013 ("the Act") and Rules made under the Act including any re-enactment thereof and the Memorandum and Articles of Association of the Company, subject to the provisions as stated specifically herein, with

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regard to:

- a) maintenance of various Statutory Registers and documents and making necessary entries therein;
- b) filing of the requisite forms and returns with the Registrar of Companies and Central Government within the time prescribed under the Act and rules made there under;
- c) convening and holding of the meetings of Directors and Committees of the Directors including passing of the resolutions by Circulation;
- d) convening and holding of 40th Annual General Meeting on 27th June, 2015;
- e) minutes of the proceedings of General Meeting and meetings of the Board and its committees were properly recorded in loose leaf form which are being bound in book form at regular intervals;
- f) appointment and remuneration of Auditors and Cost Auditors;
- g) transfers and transmission of shares;
- h) composition and terms of reference of Audit Committee;
- i) service of documents by the Company on its Members and Auditors;
- j) borrowings and registration, modification and satisfaction of charges;
- k) deposit of both the employees and employers contribution relating to Provident Fund with the Trusts created for the purpose;
- l) form of Balance Sheet, statement of Profit & Loss Account and disclosures to be made therein as per the Act;
- m) contracts, Common Seal, Registered Office, and publication of name of the Company, and
- n) generally all other applicable provisions of the Act and the Rules made there under that Act.

II) We further state that:

- a) The Directors have disclosed their interest and concerns in contracts and arrangements, shareholdings and directorships in other companies and interests in other entities as and when required and their disclosures have been noted and recorded by the Board;
- b) The Directors have complied with the disclosure requirements in respect of their eligibility of appointments, their being independent and compliance with the Code of Conduct for Directors and Senior Management Personnel;
- c) The Company has obtained all necessary approvals under the various provisions of the Act; and
- d) There was no prosecution initiated and no fines or penalties were imposed during the year under review under the Companies Act, 2013, Securities Exchange Board of India Act, 1992, Listing Agreement, Foreign Exchange Management Act, 1992 and Rules, Regulation and Guidelines framed under these Acts against/ on the Company, its Directors and Officers.

III) We further report that:

- a. The Company has complied with the applicable provisions of the Companies Act, 2013, the Rules

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made there under including re-enactment thereof,

- b) The Company has complied with the provisions of the Securities Exchange Board of India (Substantial Acquisition of Shares & Takeovers) Regulations, 2011 including the provisions with regard to disclosures and maintenance of records required under the Regulations;
- c) The Company has complied with the provisions of the Securities and Exchange Board of India (Prohibition of Insider Trading) Regulations, 1992 including provisions with regard to disclosures and maintenance of records required under the Regulations;
- d) The Company has complied with Guidelines on Corporate Governance for Central Public Sector Enterprises, 2010 subject to the provision in relation to composition of Board of Directors in the Company and appointment of independent directors in the material subsidiaries of the Company.

Place:- Kolkata.

Date: 11th June, 2016

For Mitul Jain & Associates
Practicing Company Secretaries

Mitul Jain

(Mitul Jain)
C.P. No.:- 10850

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Form No. MGT-9**EXTRACT OF ANNUAL RETURN****as on the financial year ended on 31.03.2016**

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

I. REGISTRATION AND OTHER DETAILS:

- i) CIN:-U10101WB1975GOI030295
 ii) Registration Date:-01.11.1975
 iii) Name of the Company:- Eastern Coalfields Limited
 iv) Category/Sub-Category of the Company:-Public Limited Company u/s 2(71) of Companies Act-2013
 v) Address of the Registered office and contact details:- CMD's Office, Sanctoria, Post-Dishergarh, Dist.-Burdwan, PIN-713333, West Bengal.
 vi) Whether listed company Yes / No: No
 vii) Name, Address and Contact details of Registrar and Transfer Agent, if any: NA

II. PRINCIPAL BUSINESS ACTIVITIES OF THE COMPANY

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

Sl. No.	Name and Description of main products / services	NIC Code of the Product/ service	% to total turnover of the company
1	Coal	0510	100 %

III. PARTICULARS OF HOLDING, SUBSIDIARY AND ASSOCIATE COMPANIES –

Sl. No.	Name and address of the company	CIN/GLN	Holding/ Subsidiary/ Associate	% of shares held	Applicable Section of Companies Act 2013
1	Coal India Limited, CIN-L23109WB1973GOI028844 Coal Bhavan Premises-04 MAR, Plot No.-AF-III Action Area-1A, New Town Rajarhat, Kolkata-7000156, West Bengal		Holding Company	100%	2(46)

IV. SHARE HOLDING PATTERN (Equity Share Capital Breakup as percentage of Total Equity)

Category-wise Share Holding