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**BHARAT COKING COAL LIMITED**  
( A Subsidiary of Coal India Limited)  
Office of the Project Officer(Ws)  
Madhuban Coal Washery  
**P.O. Nudkhurkee, Distt:Dhanbad, Jharkhand- 828307**

Ref. No. BCCL/MCW/PO/Environment/2012- **722**

Dated :01.12.2012

**The Director(S),**  
Ministry of Environment & Forest  
Eastern Regional Office, Chandrashekharapur,  
PO: Rail Vihar, Bhuvneshwar – 751023

Sub : Submission of six monthly E.M.P. clearance report of Madhuban Coal Washery, B.C.C.L.  
under Block-II Area.

Dear Sir,

It is brought to your kind notice that following measures have been taken for pollution Control measures and Environment :-

1. In process plant, coal fines mixed with water is allowed to settle in thickner and thickened slurry is pumped to hydro cyclone where two product is obtained. The overflow of hydro cyclone i.e. clear effluents, recycled in process plant for further use where underflow(Thickened slurry) of 0.3mm aperture size on it. This process reduces the slurry generation in pond up to 60%.

However, during this period **30908.54** Te. of slurry was recovered and desposed off in the form of recycling and E-auction sale.

2. The coal dust accumulation on roads and nearby areas are regularly suppressed or upkeeped by Water spray on it three to four times per day by Water Tanker.
3. About 30,000 plant has been planted already in and around the Washery premises since inception of Washery. About 2,000 Trees have been planted to up keep the Environment clean in four to five years span of time.

However, we are enclosing the following for your ready reference.

- Encl. 1) Photo copy of Consent to Operate.  
2) Photo copy of Compliance report.  
3) Compliance of Environment statement.  
4) Air Analysis report.

This is for your kind information please.

Thanking you,

Yours faithfully

**(VIJAY KUMAR)**

Project Officer(Ws)

Madhuban Coal Washery

**Madhuban Coal Washery**  
**BCCL**

Copy to -:

✓ **Member Secretary,**  
**T.A. Division Building,**  
**HEC, DHURWA, RANCHI**  
**PIN No. 834004.**  
**Ranchi**

# ENVIRONMENT STATEMENT FOR THE FINANCIAL YEAR ENDING THE 31<sup>ST</sup> MARCH

## PART-A

- i) Name and address of the occupier  
of the Industry operation of process : Sri Soumen Chatterjee,  
General Manager, Block-II Area.
- ii) Industry category primary-(STC code)  
Secondary-(STC code) : Heavy Industries
- iii) Production capacity – Unite : 2.5 Million Tonne per year.
- iv) Year of establishment. : As per Design(1998)
- v) Date of last Environment statement submitted : August 2012

## PART-B

### **Water and Raw Material consumption :-**

- i) Water consumption m3/day :

Process :

Cooling :


Domestic :

Name of Production	Process water consumption per unit of product output	
	During the previous financial year	During the current F. Year
1. Washed Coal :	0.1m3/Te.	0.1m3/Te.
2. Washed Power Coal :	-	-

- ii) Raw Material Consumption :

Name of the Raw Materials	Name of Products	Consumption of raw material per unit of output	
		During the previous F. Year	During the current F. Year
Raw Coal	1. Washed Coal	11.76 Te.	5.5 Te.
	2. Washed Power Coal	1.37 Te.	1.92 Te.

Industry may use codes if disclosing details of raw materials would violate contractual obligations other wise all industries have to name the raw materials used.

  
Project Officer  
Madhuban Coal Washery  
BCCL

**PART-C**

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Pollution discharge to Environment/Unit of Out put(Parameter as specified in the consent issued)

1. Pollutants	Quantity of Pollutants discharge (Mass/day)	Concentrations of pollutants in discharge	Percentage of variation from prescribed standards with reasons.
(a) Water :	Nil	Nil	Nil
(b) Air :	Nil	Nil	Nil

**PART-D**

Hazardous Wastes

( As specified under Hazardous Wastes/Management and Handling Rules, 1989)

Hazardous Wastes	<u>Total Quantity(Kg.)</u>	
	<u>During the previous financial year</u>	<u>During the Current financial year</u>
(a) From Process :	N.A.	
(b) From Pollution Control Facility :	Burnt Oil : 2.80 K.Ltrs.	Burnt Oil : 2.80 K.Ltrs.

**PART-E**

Solid Wastes

	<u>Total Quantity.</u>	
	<u>During the previous financial year</u>	<u>During the Current financial year</u>
(a) From Process :	Nil	Nil
(b) From Pollution Control Facility :	Nil	Nil
(c) 1. Quantity recycled or re-utilised within the unit.		
2. Sold.		
3. Disposed.		


**PART-F**

Please specify the characterization ( in terms of composite and quantum) of hazardous as well as sold wastes and indicate disposal practice adopted for both these categories of Wastes :-

Deposited to Regional Store, B.C.C.L. Block-II Area (Burnt oil and Vehicle Filters).

**PART-G**

Impact of the Pollution abatement measures taken on conservation of natural reasons and on the cost of Production : N.A.

  
Project Officer  
Madhuban Coal Washery  
BCCL

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### PART-H

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Additional measures/investment proposals for Environmental protection including abatement of Pollution, prevention of Pollution :-

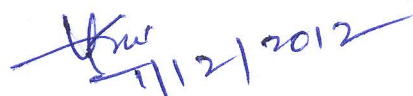
Rs. 14,00,000/- Lakhs Expenditure have been done during last financial year and now Rs. 10,00,000/- lakhs approximately proposal have been made to expend for Pollution, prevention of Pollution.

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### PART-I

Any other particulars for improving the quality of the Environment :-

1. About 28,000 plant has been planted already in and around the Washery Permisses since inception of Washery. About 2,000 Trees have been planted to up keep the Environment clean in four to five years span of time.
- 

  
( VIJAY KUMAR )  
PROJECT OFFICER(Ws)  
Madhuban Coal Washery  
B.C.C.L. Block-II Area  
Project Officer  
Madhuban Coal Washery  
BCCL

(5)

Bharat Coking Coal Limited  
Office of the Project Officer(Ws)  
Madhuban Coal Washery  
Block-II Area

Ref. No, BCCL/MCW/PO(W)/Env./2012-/560

Dated:20.09.2012

22.

To,  
The Regional Officer,  
Jharkhand State Pollution Control Board,  
Bartand, Dhanbad.

Sub : Compliance report for Consent under Section 25/26 of the Water(Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air(Prevention & Control of Pollution) Act,1981 for the period from 01.04.2012 to 31.03.2013.

Dear Sir,

In pursuance of the "Consent to Operate" Madhuban Coal Washery issued from the Office of the Member Secretary, Jharkhand State Pollution Control Board, Ranchi vide letter ref. No, B-1321 dated, 31.05.2011 for the period from 01.04.2012 to 31.03.2013 we are submitting point wise steps taken against the condition laid down in the above consent letter is drafted below :-

1. It is being ensured that the Madhuban Coal washery is operating zero effluents discharge.
2. We are regularly sprinkling water on our washery road through our washery water tanker also we have arrangements of water sprinkler on conveyor discharge chutes and receiving bunker to suppress the fine dust.
3. Desiltation process the Jamunia River has been completed.
4. The Ambient air level is mentioned regularly by the Team of Environment Deptt. B.C.C.L. The Ambient Air analysis report is attached herewith.
5. A work order to construct a concrete ridge of 1.0 mtr. Height from the ground level and 10 inch wide surrounding the out side slurry ponds has been completed.
6. All pucca ponds located inside washery premises have been evacuated, and it is regular process to empty the process slurry from pucca slurry ponds which is coming from plant production by TATA Hitachi PC-350 and the above dry slurry is sent to loading for dispatch.
7. 30,359.00 Tonne of slurry has been liquidated/Despatch from the old stock from 1<sup>st</sup> April 2012 to till date. The present stock of slurry is 96,043.00 Tonne and it has been planned to liquidate the above stock in this financial year 2012-2013 itself.
8. Environment statement for the financial years 2012-2013 is attached herewith.
9. We shall submit application for consent for the year 2013-2014 within the stipulated period.

In view of the above, it is requested to please do the needful and we also ensure you for timely compliance and applications for consent in future.

Thanking you,

Yours faithfully,

Encl. As above.

Copy to :-

1. Member Secretary, J.S.P.C.B. ,Ranchi.
2. General Manager, Block-II Area.
3. General Manager(Env.),Koyla Bhawan, Dhasnbad,
4. ACE/Area Nodal Officer, Block-II Area.

Project Officer  
Madhuban Coal Washery  
BCCL

Project Officer(W)  
Madhuban Coal washery  
BCCL, Block-II Area  
Project Officer (Ws.)  
Madhuban Coal Washery  
P.O - Nudkhurkee, Dhanbad



**भारत कोकिंग कोल लिमिटेड**  
(कोल इण्डिया लिमिटेड का एक अंग)  
**Bharat Coking Coal Limited**  
(A Subsidiary of Coal India Limited)

दूरभाष / Phone  
2392052, 2392008  
Sinidih  
तार Gram  
कोकिंगकोल Koking Kol  
पत्रालय : नवागढ़  
P.O. Nawagarh  
धनबाद Dhanbad  
झारखण्ड Jharkhand

पंजीकृत कार्यालय  
Regd. Office :  
कोयला भवन  
Koyla Bhawan,  
कोयला नगर, धनबाद  
Koyla Nagar, Dhanbad

Office of the Project Officer (W)  
Madhuban Coal Washery  
PO: Nudkhurkee  
DHANBAD

पत्रांक संख्या  
Ref. No.....BCCL/MC.W/PO(W)/Env./2012- 121

दिनांक  
Date.....07.02.2012

To,  
The Regional Officer,  
Jharkhand State Pollution Control Board,  
Housing Colony, Sardar Patel Nagar, Mirapur,  
Dhanbad, Jharkhand.

Sub : Submission of application for Consent under  
Section 25/26 of Water Act.1974 under Section  
21 of Air Act,1981 for Madhuban Coal Washery.

Dear Sir,

Please find enclosed herewith application of Consent as  
above in triplicate each consent in prescribed Format alongwith  
Demand Draft No,298621 dated, 01.02.2012 for Rs.1,50,000/-only,  
(Rupees One lac fifty thousand)only, for Air Emission and Water  
Discharge in favour of Jharkhand State Pollution Control Board  
at Ranchi for the period from 01.04.2012 to 31.03.2013.

You are requested to kindly forwarded the enclosed  
application with Demand Draft to the Member Secretary for Jharkha  
State Pollution Control Board, Govt. of Jharkhand, Ranchi, & So,  
that the fresh consent for Air Emission and Water Discharge are  
obtained at earlist.

Thanking you,

Copy to :-

1. The Member Secretary, J.S.P.C.B.  
HEC Building, Dhurwa, Ranchi.
2. General Manager, Block-II Area.
3. General Manager (Env.) K.B. Dhanbad.
4. Area Nodal Officer, Block-II Area.
5. Env. File.
6. M/file.

Yours faithfully,

( JAI MANGAL PRASAD )  
Project Officer (W)  
Madhuban Coal Washer  
B.C.C.L.

Project Office  
Madhuban Coal Washery  
B.C.C.L.

Project Officer  
Madhuban Coal Washery  
BCCL, Block-II

Bharat Coking Coal Limited  
Office of the Project Officer(W)  
Madhuban Coal Washery  
Block-II Area

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Ref.No,BCCL/MCW/PO/Env./2011- 261,

Dated:16.06.2011

To,  
The Regional Officer,  
Jharkhand State Pollution Control Board  
Bartand,Dhanbad.

Sub : Compliance report for Consent under Section 25/26 of the Water (Prevention & Control of Pollution) Act.1974 and under Section 21 Of the Air(Prevention & Control of Pollution) Act.1981 for the period from 01.04.2011 to 31.03.2012.


Dear Sir,

In pursuance to the "Consent to Operate" Madhuban Coal washery issued from the Office of the Member Secretary, Jharkhand State Pollution Control Board, Ranchi vide letter ref. No, B-1321 dated, 31.05.2011 for the period from 01.04.2011 to 31.03.2012 we are submitting point wise steps taken against the condition laid down in the above consent letter is drafted below :-

1. It is being ensured that the Madhuban Coal Washery is operating with zero effluents discharge.
2. We are regularly sprinkling water on our washery road through our washery tanker also we have arrangements of water sprinkler on conveyor discharge chutes and receiving bunker to suppress the fine dust.
3. Desiltation process of the river jamunia is being done through an out side agency as per control with M/s, B.C.C.L. from 09.11.2010(More than seven months) and it is in progress.
4. The ambient air level is mentioned regularly by the Team of Environment Deptt. B.C.C.L. The ambient air analysis report is attached herewith.
5. A written proposal is in the process to construct a concrete ridge of 1.0 mtr. Height from the ground level and 10 inch wide surrounding the out side slurry ponds with a propose to prevent any flow of coal fine/slurry to the river jamunia by 30.06.2011.
6. 05 out of 06 nos, of pucca slurry ponds having a total capacity of about 12,000m3 has already been evacuated and evacuation of the remain pond is in progress.

Contd.....P/2.

  
Project Officer (W),  
Madhuban Coal Washery  
BCCL, Block-II Area

  
Project Officer,  
Madhuban Coal Washery  
BCCL

7. 33,598 tonne of slurry has been liquidated from the old stock from 1<sup>st</sup> April 2011 to till date. The present stock of slurry is 87,495 tonne and it has been planned to liquidate the above stock in this financial year 2011-2012 itself.
8. Environment statement for the financial year 2011-12 is attached herewith.
9. We shall submit application for consent for the year 2012-13 within the stipulated period.

In view of the above, it is requested to please do the needful and we also ensure you for timely compliance and applications for consent in future.

Thanking you,

Yours faithfully,

*[Signature]*  
18/06/2011

**PROJECT OFFICER(W)**  
Madhuban Coal Washery  
Block-II Area  
**BCCL**  
**Project Officer (Ws.)**  
Madhuban Coal Washery  
B.C.C.L. Block-II Area

Copy to :-

1. Member Secretary, J.S.P.C.B., Ranchi.
2. General Manager(Env.), Koyla Bhawan, BCCL
3. General Manager, Block-II Area.
4. A.C.E./Nodal Officer, Block-II Area.
5. M.File.
6. Env.File.

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*[Signature]*  
**Project Officer (Ws.)**  
Madhuban Coal Washery  
BCCL, Block-II Area

*[Signature]*  
**Project Officer**  
Madhuban Coal Washery  
**BCCL**

(9)

**BHARAT COKING COAL LIMITED**

(A Subsidiary of Coal India Ltd.)  
 ENVIRONMENTAL LABORATORY  
 JAGJIVAN NAGAR  
 DHANBAD

Ref No. Env/Lab/Air/11/ 957

Dated: 11-Oct-11

R/3512  
25/10/11

To,

The Project Officer  
 Colliery/Project - Madhuban Washery  
 Area - Block II

Sub: Ambient Air Analysis Report

Sir,

Enclosed herewith please find the Ambient Air Analysis Report of your colliery of the sample collected & monitored on : 15-Sep-11

Location: Near Sub-Station

DATE	PERIOD	Hrs.	RPM (-10 micron) μg/m <sup>3</sup>	SPM (+10 micron) μg/m <sup>3</sup>	TSPM μg/m <sup>3</sup>	SO <sub>2</sub> μg/m <sup>3</sup>	NOx μg/m <sup>3</sup>	Weather	Wind-Direction
15-Sep-11 to 16-Sep-11	1.30pm- 11.45am	22.0	93.3	98.8	192.1	11.7	13.7	Rain	East to West
LIMITING VALUE AS PER CPCB	-	-	300	-	700	120	120	-	-

Chemist/Sr. Chemist

Sr. Manager (Env)

Copy:

1. G.M.(Env.)
2. Area Manager Planning/Nodal Officer (Environment), Block II
3. Laboratory Copy

Area



BCCL

*Handwritten signature*  
 Project Officer  
 Madhuban Coal Washery  
 BCCL

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Project Officer  
 Madhuban Coal Washery  
 BCCL



# झारखण्ड राज्य प्रदूषण नियंत्रण पर्वद

10

## JHARKHAND STATE POLLUTION CONTROL BOARD

CONSTITUTED UNDER SECTION 4 OF THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974

T.A.DIVISION BUILDING (GROUND FLOOR), HEC COMPLEX, DHURWA, RANCHI

Phone No:-0651-2400852, 2400851, Fax No:-2400850

Ref. No: 13-132)

Dated: 31/5/11

### CONSENT TO OPERATE

With reference to the application dated 30.05.2011 of M/S. Madhuban Coal Washery, P.O.- Nurdkurki, Distt.- Dhanbad for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, he (they) is (are) granted consent to bring into use his (their) new/ altered/ existing outlet(s) for discharge of trade effluent and (or) domestic sewage and to operate his (their) industrial plant At+P.O.-Nardkurki, Distt.- Dhanbad for washery capacity 2.5 million ton per annum of various grade of raw coal feed or approved capacity (Whichever is less) for the period from 01.04.2011 to 31.03.2012 with the following conditions:

1. That, he(they) shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board.
2. That, he(they) shall abide by the obligations provided under section 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and shall extend co-operation to the Board in performing its functions entrusted under section 20, 21, 23, 30 and 32 of the Act.
3. That, he(they) shall comply with the requirements of the Water (Prevention & Control of Pollution) Cess Act, 1977 read with the Water (Prevention & Control of Pollution) Cess Rules, 1978.
4. That, he(they) shall abide by the obligations provided under section 22, 23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and shall extend co-operation to the Board in performing its functions entrusted under sections 24, 25 and 26 of the Act.
5. That, he(they) shall abide by the obligations provided under sections 5, 7, 8 and 9 of the Environment (Protection) Act, 1986 and shall extend co-operation in performing the functions entrusted under section 3, 10 and 11 of the Act.
6. That, he(they) shall abide by the applicable provisions of the Environment (Protection) Rules, 1986, the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008; the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989; the Bio-medical Waste (Management & Handling) Rules, 1998; the Municipal Solid Wastes (Management & Handling) Rules, 2000 and the Batteries (Management & Handling) Rules, 2001.
7. That, he(they) shall maintain the quality of discharge and (or) emission and (or) noise level of environmental pollutants in conformity with the standards as laid under rule 3 of the Environment (Protection) Rules, 1986.
8. That, he(they) shall monitor his(their) effluent(s), emission(s) and the ambient air, noise level regularly and shall submit the report to the Board in compliance of the condition laid in paragraph 7.

Khan/CTOD/233

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21/5

*[Signature]*

Project Officer (WVs.)  
Madhuban Coal Washery  
BCCL Block-II

*[Signature]*  
Project Officer  
Madhuban Coal Washery  
BCCL

*[Signature]*  
Project Officer (WVs.)  
Madhuban Coal Washery  
P.O.- Nurdkurki, Dhanbad

he(they) shall establish well equipped environmental laboratory with the facilities system(s) of continuous monitoring of effluent(s); emission(s) ambient water quality(ies), ambient air quality(ies) and ambient noise level(s) and transferring them monitoring results) to his(their) website(s) and to the e-mail address(es) of the key persons of Jharkhand State Pollution Control Board, Zonal Office, Kolkata and Ministry of Environment & Forests, Regional Office, Bhubneshwar with simultaneous displaying at prominent locations in front of his(their) premises. [\*Unit(s) of medium and large scale under 17 categories of polluting industries of category A of EIA Notification, 2006.]

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10. That, he(they) shall submit the environmental statement every year by 30<sup>th</sup> September and shall harvest all rain water precipitating in the premises and do three tier tree plantation in the premises as air barrier.
11. That, he(they) shall submit application for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and that under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days before the expiration of the consent order 31.03.2012 or within 120 days from the date of receipt of the order, whichever is earlier.
12. That, he /they shall dredge and maintain the entire width of the bed of River Damodar free from silt, deposit, sludge, coal fines and other pollutants to at least a stretch of river from 0.5 km of u/s to 1.0 km of d/s of river's length respectively from upper point and the lower point of the boundary that touches the river, all along the year.
13. That, he/they shall make a concrete ridge of 1.0 m height from ground level and 10 inch wide surrounding the slurry ponds and they shall prevent any flow of coal fines slurry to Jamunia by 30.06.2011.
14. That, he/they shall sell coal fine slurry lumps to the agencies that possess environmental clearance, NOC or consent (Which ever is applicable).
15. That, he/they shall make orientation for automatic discharge of unavoidable or inevitable or emergency discharge of waste water, by pump to the lagoon with inter locking system with the level of pit of slurry ponds and the operation of coal washery through thick sand filter to ensure the entity of the lagoon.
16. That he/they shall submit a bank guarantee of Rs. 20,00 Lacs with an affidavit by 28.06.2011 that they shall comply all conditions within their respective time frame and shall not make any discharge of waste water to the river.
17. That, he/they shall keep all slurry ponds adequately evacuated.
18. This make the effect of letter No. B 876 Ranchi dated 26.04.2011 of the State Board null and void with immediate effect.

To,

M/S. Madhuwan Coal Washery,  
P.O.- Nurdkurki,  
Distt.- Dhanbad

Member Secretary

Project Officer  
Madhuban Coal Washery  
BCCL

Project Officer (Ws.)  
Madhuban Coal Washery  
P.O.- Nurdkurki, Dhanbad