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BHARAT COKING COAL LIMITED
(A SUBSIDIARY OF COAL INDIA LIMITED)
OFFICE OF THE PROJECT OFFICER: MOONIDIH COLLIERY
P.O: MOONIDIH: DIST.: DHANBAD (JHARKHAND)

STATEMENT OF PROGRESS OF THE IMPLEMENTATION OF EMP FOR THE PERIOD FROM APRIL, 2012 TO SEPT., 2012.
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Ref. No. MND/PO/Env/2012/ 1650

Dated: 18.12.2012

To,

Sri V.P. Upadhyay, Director

Regtd. Post

Ministry of Environment and Forest

Chandra Sekharpur

P.O: Rail Vihar

Bhuneshwar - 751023

Sub.: Six Monthly report of EMP Implementation for Moonidih Mine for the Period from April, 2012 to September, 2012.

Ref.: GN (ENV) R&D/F-24/91/384 dated 04.04.1991.

Dear Sir,

With reference to above letter we are enclosing herewith three such copies of implementation and progress report item wise as per the EMP clearance No. J/11015/13/89/1A dated 6th July, 1990 from the Ministry of Environment and Forest.

2. Solid waste disposal.

Yours faithfully,

3. Subsidence trough levelling.

As and when required

Not required for the period.

4. Plantation over reclaimed

89-90

Continuous

No Project Officer
Moonidih Colliery

15-12-12
PROJECT OFFICER/AGENT
MOONIDIH COLLIERY
B. C. G. LTD

Encl.: 1). EMP Implementation and progress report.

2). Feature Action Plan.

3). Ambient Air Analysis Report.

4). Water Analysis Report.

c.c.to:-

1. The Director-1A Monitoring Cell, Paryavaran Bhawan CAO Complex, New Delhi-110003.

2. C.G.M (Env), BCCL, Koyla Bhawan, Dhanbad.

3. G.M, WJA, Moonidih.

4. Area Safety Officer, WJA, Moonidih.

5. A.C.E, WJA, Moonidih.

6. V.O, Moonidih Colliery.

Compliance : Two stations for ambient air quality monitoring and one station for drinking water quality monitoring were fixed up. There is no pollution due to effluent water discharge as explained in the EMP due to existence of four nos. Settling tank and effluent control parameter are controlled within stipulated limit.

6. SUBMISSION OF REGULAR MONITORING OF ENVIRONMENT QUALITY PROGRESS REPORT SIX MONTHLY BASIS.

(Contd...p/2)

BHARAT COKING COAL LIMITED
MOONIDIH COLLIERY (W.J.AREA)

STATEMENT OF PROGRESS OF THE IMPLEMENTATION REPORT FROM APRIL, 2012 TO SEPT., 2012.

1. CONDITION: RECLAMATION OF SUBSIDED AREA:-

Compliance:- There has been no damage to land due to subsidence during this period and hence no reclamation has been carried out. It will be carried out as per the EMP when such damage will be noticed.

2. CONDITION: ADEQUATE POLLUTION CONTROL MEASURES SUCH AS NO INCREASE IN EXISTING LEVEL OF AIR POLLUTION, IS DONE.

Compliance:- Adequate control measures on surface have been taken in order that existing level of Air pollution does not increase. There are massive plantations, Water spraying at the Coal transfer points etc. The quality of ambient air is being monitored regularly on three monthly basis.

3. CONDITION: OTHER POLLUTION CONTROL MEASURES:

Compliance:-

ACTIVITY	SCHEDULE START	AS PER EMP FINISH	STATUS FOR THE PERIOD FROM APRIL, 11 TO SEPT., 2011.
1. Plantation within lease hold area.	89-90	Continuous job	Saturated
2. Solid waste disposal.	-do-	94-95	NIL
3. Subsidence trough levelling.	As and when required	-	Not required in this period.
4. Plantation over reclaimed subsidence trough.	89-90	Continuous	No subsidence through noticed
5. Drainage from subsidence trough	-do-	-do-	-do-
6. Other drains	As and when required	-do-	Taken as per need.
7. Environment monitoring for Air, Water, solid and noise.	89-90	Continuous job	Environmental monitoring for air and water is being carried out regularly.

4. CONDITION:- PERIODIC PROGRESS REPORT :

Compliance:- The status of the period i.e. progress report on Six monthly basis is given at Sl.No.3 above.

5. CONDITION:- SETTING OF SUFFICIENT NO. OF AIR AND WATER QUALITY MONITORING STATION.

Compliance:- Two stations for ambient air quality monitoring and one station for drinking water quality monitoring were fixed up. There is no pollution due to effluent water discharge as explained in the EMP due to existence of four nos. Settling tank and effluent control parameter are controlled within stipulated limit.

6. SUBMISSION OF REGULAR MONITORING OF ENVIRONMENT QUALITY PROGRESS REPORT SIX MONTHLY BASES.

(Contd...p/2)

Compliance:- The summarised data for air quality monitoring at the project is given below:

PARAMETER in over Mining Area.	AIR ANALYSIS RESULT IN LAST SIX MONTH (AVG. VALUE)
SPM	149.4 $\mu\text{g./M}^3$
NOX	25.5 $\mu\text{g./M}^3$
SO ₂	23.6 $\mu\text{g./M}^3$

The result of analysis of final discharge of Mine water is given in Annexure -1 monitoring the particular the Month between April, 2012 to Sept., 2012.

7. CONDITION:- Setting up Environmental cell at Project.

Compliance: Implemented. The cell has been set up.

18-12-12
PROJECT OFFICER
MOONIDIH COLLIERY
W.J. AREA
PROJECT OFFICER/AGENT
MOONIDIH COLLIERY
B. C. G. LTD.

**BHARAT COKING COAL LIMITED
MOONIDIH COLLIERY, W.J. AREA**

**FUTURE ACTION PLAN FOR COMING YEAR 2012-2013 FOR ENVIRONMENTAL
MANAGEMENT IN RESPECT OF MOONIDIH COLLIERY, B.C.C.L, W.J. AREA.**

1. Plantation over Mining Area.
2. Cleaning of muck settling tank as and when required.
3. Repairing of Drains.
4. Deepening of low laying area beyond muck settling tank to make it a natural pond.
5. To continue all the activities for implementation of our environmental management plan.
6. To increase awareness among the people towards better environment through exhibition of Poster, banner Audio, Video etc.

Dated: 09-Oct-12

Sub: Ambient Air Analysis Report

Location: Near Store

PROJECT OFFICER
MOONIDIH COLLIERY
W.J. AREA

**PROJECT OFFICER/AGENT
MOONIDIH COLLIERY
B. C. C. LTD.**

		Date		Time	Wind direction	Temp (°C)	Humidity (%)	Pressure (mm Hg)	Visibility (km)	Remarks
25-Sep-12	12:40pm	24.0	203.8	149.4	353.2	23.6	25.5	Clear	West to East	
26-Sep-12	12:45pm									
LIMITING VALUE AS PER CPCB			300		700	120	120			

Chemist

Sr Manager (Env)

Area Manager Planning/Nodal Officer (Environment)

W.J. Area



BHARAT COKING COAL LIMITED

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

Ref No

Env/Lab/Air/12/ 826

Dated: 09-Oct-12

To,

The Project Officer

Colliery/Project - Moonidih Project

Area -

W.J.

Sub: Ambient Air Analysis Report

Sir,

Enclosed herewith please find the Ambient Air Analysis Report of your colliery of the sample collected & monitored on : 25-Sep-12

Location:

Near Store

DATE	PERIOD	Hrs.	RPM (-10 micron) $\mu\text{g}/\text{m}^3$	SPM (+10 micron) $\mu\text{g}/\text{m}^3$	TSPM $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NOx $\mu\text{g}/\text{m}^3$	Wea- ther	Wind- Direction
25-Sep-12 to 26-Sep-12	12.40pm- 12.45pm	24.0	203.8	149.4	353.2	23.6	25.5	Clear	West to East
LIMITING VALUE AS PER CPCB	-	-	300	-	700	120	120	-	-

[Signature]
Chemist

[Signature]
Sr. Manager (Env)

Copy:

1. G.M.(Env)

2. Area Manager Planning/Nodal Officer (Environment),

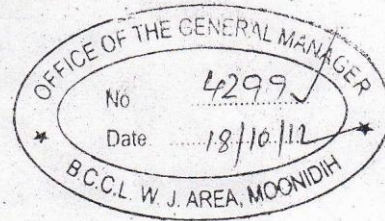
W.J.

Area

ANNEXURE - I

**BHARAT COKING COAL LIMITED**

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



RefNo. Env/Lab/Water/12/ 845

12-Oct-12

To,
The Project Officer
Colliery Moonidih Project
Area - W.J.


Sub: Water Analysis Report

Sir,

Enclosed herewith please find the Water Analysis Report of your colliery of the sample collected
on 24-Sep-12

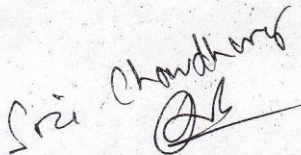
Location: Mine Water from final discharge
Date Of Collection: 24-Sep-12

Sl.No.	PARAMETERS	Unit	Results	Limiting Value as per IS-2490 (Industrial Effluent)
1	Temperature	°C	27.7	40
2	pH		7.8	5.5 - 9.0
3	Specific Conductance @ 25°C	µmhos/cm	1217	Not Applicable
4	Total Suspended Solids	mg/l	40	Not more than 100
5	Chloride as Cl	mg/l	49	Not more than 1000
6	Hardness as CO ₃	mg/l	224	Not Applicable


Chemist


Sr. Manager (Env.)

Copy: 1. G.M.(Env.)
2. Area Manager Planning/Nodal Officer(Environment), W.J.


Sri Chandhury