

# Eastern India Powertech Limited

## Regd. Office:

DLF Galleria, 12th Floor, DLF City  
Phase-IV, Gurgaon - 122 009 (1) Haryana  
Tel. : 91-2392190-92, Fax : 91-124-2392193



January 5<sup>th</sup>, 2010

To  
The Member Secretary,  
Jharkhand State Pollution Control Board,  
T.A. Division Building (Ground Floor),  
H.E.C. Complex,  
Dhurwa, Ranchi - 834004.

Dear Sir,

Sub : Compliance to conditions of Consent to operate upto December 2009  
- CPP, Rajrappa

This is with reference to the Consent to operate (ref. no. C-163 dated 01.12.09.) for our 10 MW Captive Power Plant at Rajrappa.

With respect to the conditions laid out in the above Consent order, we would like to confirm our pointwise compliance as follows :

- Point no. 7 & 8: We confirm that we have maintained the quality of discharge and emission and noise level of environmental pollutants in conformity with the standards as laid under Rule 3 of the Environment (Protection) Rules, 1986. Enclosed please find the test reports of the effluent, emissions, ambient air & noise level as sampled and conducted by M/s. Scientific Research Laboratory, Ranchi.
- Point no. 9 : We have a well equipped laboratory where facilities for testing of effluents are available and are being continuously monitored. As regards ambient air quality, emissions and ambient noise levels – the sampling and testing is being carried out regularly by approved outside laboratory. The testing results as carried out by M/s. Scientific Research Laboratory are being uploaded to the website as required.
- Point no. 10 : Environmental statement for the year ending 31<sup>st</sup> March 2009 was submitted to your office vide our letter dated 21.07.09. This is being enclosed again with this letter. We also confirm that we have already put Rain water harvesting system in place and it is being used to recharge ground water by collecting the rain water run off within the plant premises. We have also planted trees and provided for green area all around the plant to contain the pollution levels. The plantation is being well maintained.
- Point no. 11 : We have submitted the application for renewal of the consent (upto 31.12.2010.) on 09.12.09. This is within 120 days of date of order (01.12.09. for consent order valid upto 31.12.09.)
- Point no. 12 & 13 : We have not made any modifications to our ESP as it is designed for an outlet SPM concentration of 150 mg/Nm<sup>3</sup>. We confirm that the installed ESP being run regularly and continuously. The Stack monitoring report is enclosed for reference (points 7, 8 & 9 above).
- Point no. 14 : We confirm that the height of the exhaust pipe of the DG set has been increased to 3 metres above roof level.

We hope that the all above points confirm our compliance with the conditions under which the abovementioned Consent to operate Order was issued.

Thanking You,

Yours Faithfully,

For EASTERN INDIA POWERTECH LIMITED,

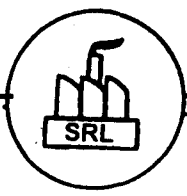


(ARUN ANAND)  
Director – Operations.

encl. : as above

cc :

1. Regional officer, Jharkhand State Pollution Control Board, Hazaribagh.
2. Jharkhand State Pollution Control Board, Zonal Office, Kolkata
3. Ministry of Environment & Forests, Regional Office, Bhubaneswar



# SCIENTIFIC RESEARCH LABORATORY

Recognised By Jharkhand State Pollution Control Board

Analytical & Environmental Engineering Laboratory

Kadru Diversion Road, Opposite S.B.I Training Centre, Doranda, Ranchi- 834 002, Jharkhand.

Tele No.: (0651) 2413008 Mobile: 9470130700, E-mail: nirajksingh2003@yahoo.co.in.

## TEST REPORT

Sample No.: EW- 01  
Report No.: SRL/EIPL/EW-01/ 09-10

Reporting Date: 11.07.2009

### SAMPLE DRAWN BY SCIENTIFIC RESEARCH LABORATORY

Customer Name & Address : M/s. Eastern India Powertech Limited.  
At.- Rajrappa, Ramgarh  
Jharkhand.

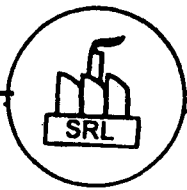
Type of the Sample : Effluent Water  
Location : Final Effluent Tank  
Date of Sampling : 01.07.09  
Sample Received On : 02.07.09  
Environmental Condition : Cloudy, Temp. 30<sup>o</sup>C

### RESULTS

Sl. No.	Parameters	Unit	Permissible Limit	Results
1.	Temperature	°C	-	28
2.	pH	-	5.5 – 9.0	7.8
3.	Total Dissolved Solids	mg/l	-	1640
4.	Total Suspended Solids	mg/l	100	32
5.	Chemical Oxygen Demand	mg/l	250	128
6.	Biological Oxygen Demand 3 Days at 27°C	mg/l	30	3.8
7.	Oil and Grease	mg/l	10	2.3

for Scientific Research Laboratory,

(DR. NIRAJ KUMAR SINGH)  
In-charge, Jharkhand Office.



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## STACK MONITORING REPORT

Name of the Industry : M/s Eastern India Powertech Ltd.  
At.- Rajrappa, Dist.-Ramgarh,  
Jharkhand.

Date of sampling : 24.12.2009

Weather condition : Cloudy

Stack number if any : Boiler Stack

Height of stack from ground level (in metre) : 72.0 (approx)

Inner dimension of stack (in metre) : 2.05

Height of port hole (in metre) : 28.0

Atmospheric temperature (in °C) : 22

Stack gas temperature (in °C) : 121

Stack gas velocity (in m/s) : 11.9

Volumetric flow rate (in Nm<sup>3</sup>/hr) : 1,06,990

Dust concentration (in mg/Nm<sup>3</sup>) : 144

Emission rate (in kg/hr) : 15.41

Name of fuel & quantity used per shift : Coal/ 325 ton per day

Production capacity : 10 MW

Stack attached to : ESP

### GASES

Sulphurdioxide (in mg/Nm<sup>3</sup>) as SO<sub>2</sub> : 86.2

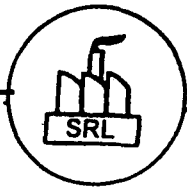
Nitrogenoxides (in mg/Nm<sup>3</sup>) as NO<sub>2</sub> : 40.8

Remarks: Dust concentration was found 144 mg/Nm<sup>3</sup> against prescribed limit of 150 mg/Nm<sup>3</sup>.

for Scientific Research Laboratory,

(DR. NIRAJ KUMAR SINGH)

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## AMBIENT AIR QUALITY TEST REPORT

Name of the Industry : M/s Eastern India Powertech Limited. No. of Sampling Points  
At.- Rajrappa, Ramgarh, Sampling Position:  
Jharkhand. 1. Near Office Building  
Date of Sampling : 30.06.2009 & 01.07.2009 2. Near Coal Handling Plant  
Weather Condition : Cloudy 3. Near Quality Lab.

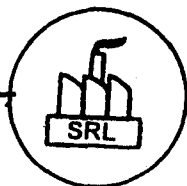
Time	SO <sub>2</sub>	NO <sub>x</sub>	SPM
<b>Point 1</b>			
09.00 AM to 01.00 PM	31.00	54.00	-
01.00 PM to 05.00 PM	29.00	47.00	378
05.10 PM to 09.10 PM	30.00	51.00	-
09.10 PM to 01.10 AM	33.00	55.00	356
Maximum :	33.00	55.00	378
Average :	30.75	51.75	367
<b>Point 2</b>			
09.10 AM to 01.10 PM	35.00	58.00	-
01.10 PM to 05.10 PM	33.00	53.00	472
05.20 PM to 09.20 PM	34.00	54.00	-
09.20 PM to 01.20 AM	38.00	57.00	429
Maximum :	38.00	58.00	472
Average :	35.00	55.50	450.5
<b>Point 3</b>			
09.30 AM to 01.30 PM	34.00	55.00	-
01.30 PM to 05.30 PM	27.00	51.00	389
05.40 PM to 09.40 PM	33.00	48.00	-
09.40 PM to 01.40 AM	35.00	54.00	377
Maximum :	35.00	55.00	389
Average :	32.25	52.00	383

Note: All values are expressed in microgram/ cubic metre

Remarks: All SPM values were found within the prescribed standard limit.

for Scientific Research Laboratory,

(Dr. Niraj Kumar Singh)  
In-charge, Jharkhand Office.



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## EASTERN INDIA POWERTECH LTD.

RAJRAPPA, RAMGARH

JHARKHAND.

### NOISE MONITORING DATA

Report No. : SRL/ EIPL/ N-01/09-10

Date of Reporting: 11.07.2009

Sl.No.	Monitoring Location	Date of Monitoring	Sound Pressure Level, dB(A)
1.	Near Administrative Office	30.06.2009	68.2
2.	Near Control Room	30.06.2009	76.7
3.	Near DM Plant (at a distance of 10 meters.)	30.06.2009	80.8
4.	Near Cooling Tower (at a distance of 5 meters)	30.06.2009	79.1
5.	Near ID Fan (at a distance of 7 meters)	30.06.2009	86.4
6.	Near FD Fan (at a distance of 10 meters)	30.06.2009	84.5
7.	Near PA Fan (at a distance of 10 meters)	30.06.2009	85.2
8.	Near Auxiliary Machine (at a distance of 10 meters)	30.06.2009	79.9

Norms: National Ambient Air Quality Standards (NAAQS) in respect of Noise as per CPCB, New Delhi

Industrial Area: Day Time 75 dB(A) Leq and Night Time 70dB(A) Leq

Norms: OSHA Norms in work place for 8 hr. exposure: 90 dB (A)

for Scientific Research Laboratory,

(Dr. Niraj Kumar Singh)

In-charge, Jharkhand Office