

**Rail Wheel Plant/Bela**  
**Ministry of Railways**  
**(Govt. of India)**



No.MoEF/EC/10

Office of the  
Chief Administrative Officer,  
Administrative Building,P.O.- Arbind Nagar,  
Block- Dariapur, District- Saran(Chhapra),  
Bihar-841221

Dated 02.11.2017

TO,

The Director,  
Ministry of Environment & Forest,  
Eastern Regional Office, A/3, Chandrasekharpur,  
Bhubaneswar-751023.  
Tel:-0674-2301248, Fax:- 0674-2302432  
E mail: mef.or@nic.in.

Sub:-Submission of Half Yearly Environmental report and compliance to EC for the period of March-2017 to September 17.

Ref:- (i) Environmental Clearance no. J-11011/527/2010-IA.II(I) dated 12.01.2012.

Dear Sir,

Vide reference above; we are submitting the compliance report to EC conditions (Specific and General) and monitoring report of Air, Water, Noise and Stack Emission for the period of March-2017 to September 17.

The monitoring of environmental parameters has been done under the supervision of MoEF/GOI approved lab (M/s EMTRC consultants Pvt. Ltd). At present the Plant is being operated regularly in 3- Shift at planned capacity.

This is for your information please.

DA:- As above.

(J.P Pandey)

WM/PFP/RWP/Bela

Copy to;

1. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi-110032.
2. The Chairman, Bihar State Pollution Control Board, Parivesh Bhawan, NSB II,Patliputra Industrial area,Patna-800013.
3. Chief Conservator of Forests, Regional Office(EZ), Ministry of Environment and Forest, A-3, Chandrasekharpur, Bhubaneswar-751023, Orissa.
4. The Director, Central Pollution Control Board,Zonal office, Southernd Conclave, Block-502, 5<sup>th</sup> 7<sup>th</sup> Floor,1582, Rajdanga main road, Kolkata-700107.
5. The Regional Officer, Bihar State Pollution Control Board, Sarai Syed Ali Chowk, Technical Chowk, Muzaffarpur-842001, Bihar.

(J.P Pandey)

WM/PFP/RWP/Bela

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(Ministry of Railways)  
Govt. of India**



Office of the  
Chief Administrative Officer,  
Administrative Building,  
Village- Bela, Block- Dariapur,  
District- Saran (Chhapra), Bihar-841221


**LIST OF ANNEXURE**

<b>SL. NO.</b>	<b>DESCRIPTION</b>	<b>ANNEXURE</b>
1.	Monitoring of Ambient Air Quality Report (Sampling & Analysis done by MoEF Recognized Environmental Laboratory, EMTRC Consultants Pvt. Ltd.)	I
2.	Stack Emission Monitoring Report (Sampling & Analysis done by MoEF Recognized Environmental Laboratory, EMTRC Consultants Pvt. Ltd.)	II
3.	Ground Water analysis reports (Sampling & Analysis done by MoEF Recognized Environmental Laboratory, EMTRC Consultants Pvt. Ltd.)	III
4.	Ambient Noise Level Report (Sampling & Analysis done by MoEF Recognized Environmental Laboratory, EMTRC Consultants Pvt. Ltd.)	IV
5.	Waste Water analysis reports (Sampling & Analysis done by MoEF Recognized Environmental Laboratory, EMTRC Consultants Pvt. Ltd.)	V

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## ANNEXURE-I

Rail Wheel Plant/Bela (Indian Railways) Govt. of India		Office of the Chief Administrative Officer, Administrative Building, Village-Bela, Block- Dariapur, Saran (Chhapra), Bihar.
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### Half Yearly Analysis of Ambient Air Quality Sample from April 2017 to September 2017.

- REF:** (i) Ministry of Environment and Forest (MoEF)/GOI environmental Clearance no. J-11011/527/2010-IA.II(I) dated 12.01.2012.  
 (ii) Bihar State Pollution Control Board (BSPCB) Discharge Consent Order Letter No. PT2-116/11 T6094 Patna 03.08.2016  
 (iii) BSPCB Emission Consent Order letter No. PT(NOC)-628/09 T-6095, Patna, dated 03.08.2016.
- (Sampling & Analysis done by MoEF Recognized Environmental Laboratory, EMTRC Consultants Pvt. Ltd.)**

#### MONITORING & ANALYSIS OF AMBIENT AIR QUALITY

Month	Parameters	Limit (Max)	Near Main Gate	Near Main Store 2	Near ADM Building (TTC)	Near East Side Boundary Wall (Store Yard)	Avg. Values
<b>Average Value in <math>\mu\text{g}/\text{m}^3</math></b>							
April-17	PM <sub>10</sub>	100 $\mu\text{g}/\text{m}^3$	51.0	55.0	49.5	53.0	52.1
	PM <sub>2.5</sub>	60 $\mu\text{g}/\text{m}^3$	23.0	24.5	21.5	22.0	22.8
	SO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	<4.0	<4.0	<4.0	<4.0	<4.0
	NO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	9.9	10.2	9.8	10.2	10.0
May-17	PM <sub>10</sub>	100 $\mu\text{g}/\text{m}^3$	55.0	60.0	55.0	59.0	57.3
	PM <sub>2.5</sub>	60 $\mu\text{g}/\text{m}^3$	25.0	27.5	22.5	26.5	25.4
	SO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	<4.0	<4.0	<4.0	<4.0	<4.0
	NO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	10.5	10.9	9.4	11.2	10.5
June-17	PM <sub>10</sub>	100 $\mu\text{g}/\text{m}^3$	52.5	56.5	50.5	58.0	54.4
	PM <sub>2.5</sub>	60 $\mu\text{g}/\text{m}^3$	23.0	24.0	21.0	26.5	23.6
	SO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	<4.0	<4.0	<4.0	<4.0	<4.0
	NO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	10.9	11.7	9.4	11.5	10.9
July-17	PM <sub>10</sub>	100 $\mu\text{g}/\text{m}^3$	53.5	56.5	50.0	59.0	54.8
	PM <sub>2.5</sub>	60 $\mu\text{g}/\text{m}^3$	23.0	25.0	20.5	27.0	23.9
	SO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	<4.0	<4.0	<4.0	<4.0	<4.0
	NO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	11.4	12.5	10.9	12.7	11.9
Aug-17	PM <sub>10</sub>	100 $\mu\text{g}/\text{m}^3$	66.0	81.0	51.5	66.0	66.1
	PM <sub>2.5</sub>	60 $\mu\text{g}/\text{m}^3$	36.0	37.0	20.0	28.0	30.3
	SO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	4.7	<4.0	<4.0	<4.0	4.2
	NO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	12.2	11.0	9.4	10.5	10.8
Sep-17	PM <sub>10</sub>	100 $\mu\text{g}/\text{m}^3$	57.5	82.5	57.0	70.0	66.8
	PM <sub>2.5</sub>	60 $\mu\text{g}/\text{m}^3$	27.0	38.0	23.0	31.5	29.9
	SO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	<4.0	4.4	<4.0	<4.0	4.1
	NO <sub>2</sub>	80 $\mu\text{g}/\text{m}^3$	11.2	12.2	9.8	11.0	11.1

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