PHEET Emblem

MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE
MOEFCC CERTIFICATE

NABLTC-6752

PHEET LAB

(Public Health Environmental Engineering Testing) Lab

Recognized As Environmental Laboratory by MOEFCC, Govt of India Under Environment Protection Act 1986, issued vide letter No.-LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt-327/1324 Dated 23rd May-2022

NABL & MOEFCC Accreditated *Lab for Testing of Water/Waste Water/Ambient Air/Stack Emission/Noise under*
01 Roof, Located in Bhagirathi Lane, Opposite Malaria Control Office, Ashok Rajpath, Mahendru, Patna-800006
E-mail : sharma.chandrabhan9@gmail.com & Pheetlab@gmail.com
Web : www.pheet-environment.com, M : 9065103567, 9546991814

TEST REPORT

Sample/Report No.TC-67522300000001F Date-08/01/2024

Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221

Description of Sample :-Ambient Air

Sampling done by Staff Of PHEET Lab

P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

Sampling Duration : 24 Hours

Sampling Place:- **Near Material Gate**

Sr. No	Date	Parameters						
		PM10 µg/m^3	PM2.5 µg/m3	So_2 µg/m3	No_2 µg/m3	O_3 µg/m3	NH_3 µg/m3	co mg/m^3
1	**21-12-2023**	**62.4**	**38.6**	**8.6**	**15.3**	**17**	**15.8**	**0.22**
2	27-12-2023	58.3	36.8	10.7	13.2	20	17.3	0.17
3	30-12-2023	67.26	41	9.4	14.5	16	14.37	0.14
National Standard		100 24-h avg	60 24-h avg	80 24-h avg	80 24-h avg	100 24-h avg	400 24-h avg	4 24-h avg

Tested By
Chemist

Note : 1. Test Reports are Valid for the Samples Tested in our Lab
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TEST REPORT

Sample/Report No.TC-67522300000001F Date-08/01/2024

Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221

Description of Sample :-Ambient Air

Sampling done by Staff Of PHEET Lab

P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

Sampling Duration : 24 Hours

Sampling Place:- **Near Material Gate**

Sr. No	Date	Parameters				
		B (a) P ng/m3	Benzene µg/m3	As ng/m3	Ni ng/m3	pb µg/m3
1	**21-12-2023**	**<0.1**	**<0.1**	**<0.1**	**0.5**	**<0.1**
2	27-12-2023	<0.1	<0.1	<0.1	0.7	<0.1
3	30-12-2023	<0.1	<0.1	<0.1	0.4	<0.1
National Standard		1 (annual avg)	5 (annual avg)	6 (annual avg)	20 (annual avg)	1 24-h avg

Tested By
Chemist

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DIRECTOR

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Web : www.pheet-environment.com, M : 9065103567, 9546991814

TEST REPORT

Sample/Report No.TC-67522300000002F Date- 08/01/2024
Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221
Description of Sample :-Ambient Air
Sampling done by Staff Of PHEET Lab
P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023
Sampling Duration : 24 Hours
Sampling Place:- **Pump House**

Sr. No	Date	Parameters						
		PM10 µg/m^3	PM2.5 µg/m3	So_2 µg/m3	No_2 µg/m3	O_3 µg/m3	NH_3 µg/m3	co mg/m^3
1	**21-12-2023**	**65.8**	**42.1**	**11.2**	**16.8**	**16**	**12.4**	**0.18**
2	26-12-2023	62.8	46.8	13.7	18.2	18	15.7	0.2
3	29-12-2023	57.4	39.6	12.3	15.7	16	11.6	0.16
4	31-12-2023	74	45	15.34	14.2	15	13.54	0.17
National Standard		100 24-h avg	60 24-h avg	80 24-h avg	80 24-h avg	100 24-h avg	400 24-h avg	4 24-h avg

Tested By
Chemist

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TEST REPORT

Sample/Report No.TC-67522300000002F Date- 08/01/2024

Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221

Description of Sample :-Ambient Air

Sampling done by Staff Of PHEET Lab

P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

Sampling Duration : 24 Hours

Sampling Place:- **Pump House**

Sr. No	Date	Parameters				
		B (a) P ng/m3	Benzene µg/m3	As ng/m3	Ni ng/m3	pb µg/m3
1	**21-12-2023**	**<0.1**	**<0.1**	**<0.1**	**0.6**	**<0.1**
2	26-12-2023	<0.1	<0.1	<0.1	0.5	<0.1
3	29-12-2023	<0.1	<0.1	<0.1	0.5	<0.1
4	31-12-2023	<0.1	<0.1	<0.1	0.4	<0.1
National Standard		1 (annual avg)	5 (annual avg)	6 (annual avg)	20 (annual avg)	1 24-h avg

Tested By
Chemist

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TEST REPORT

Sample/Report No.TC-67522300000003F Date- 08/01/2024
Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221
Description of Sample :-Ambient Air
Sampling done by Staff Of PHEET Lab
P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023
Sampling Duration : 24 Hours
Sampling Place:- **Canteen Area**

Sr. No	Date	Parameters				
		B (a) P ng/m3	Benzene µg/m3	As ng/m3	Ni ng/m3	pb µg/m3
1	**21-12-2023**	**<0.1**	**<0.1**	**<1.0**	**0.7**	**<0.1**
2	26-12-2023	<0.1	<0.1	<1.0	0.5	<0.1
3	29-12-2023	<0.1	<0.1	<1.0	0.4	<0.1
4	31-12-2023	<0.1	<0.1	<0.1	0.6	<0.1
National Standard		1 (annual avg)	5 (annual avg)	6 (annual avg)	20 (annual avg)	1 24-h avg

Tested By
Chemist

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Web : www.pheet-environment.com, M : 9065103567, 9546991814

TEST REPORT

Sample/Report No.TC-67522300000003F Date- 08/01/2024
Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221
Description of Sample :-Ambient Air
Sampling done by Staff Of PHEET Lab
P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023
Sampling Duration : 24 Hours
Sampling Place:- **Canteen Area**

Sr. No	Date	Parameters						
		PM10 µg/m^3	PM2.5 µg/m3	So_2 µg/m3	No_2 µg/m3	O_3 µg/m3	NH_3 µg/m3	co mg/m^3
1	**21-12-2023**	**71**	**48**	**9.56**	**18.6**	**17**	**12.9**	**0.19**
2	26-12-2023	75	51	10.14	16.5	16	11.4	0.27
3	29-12-2023	68	46	8.34	14.4	18	13.5	0.18
4	31-12-2023	77	45	11.24	15.3	15	15.42	0.16
National Standard		100 24-h avg	60 24-h avg	80 24-h avg	80 24-h avg	100 24-h avg	400 24-h avg	4 24-h avg

Tested By
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TEST REPORT

Sample/Report No.TC-67522300000004F Date- 08/01/2024

Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221

Description of Sample :-Ambient Air

Sampling done by Staff Of PHEET Lab

P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

Sampling Duration : 24 Hours

Sampling Place:- **Training Center**

Sr. No	Date	Parameters						
		PM10 µg/m^3	PM2.5 µg/m3	So_2 µg/m3	No_2 µg/m3	O_3 µg/m3	NH_3 µg/m3	co mg/m^3
1	**22-12-2023**	**68.4**	**45.3**	**13.5**	**17.8**	**16**	**12.8**	**0.21**
2	26-12-2023	66.2	48.7	12.8	19.2	18	13.4	0.19
3	28-12-2023	67.9	46.2	13.6	17.5	18	12.9	0.2
4	30-12-2023	62	42	14.3	16.8	16	14.2	0.22
National Standard		100 24-h avg	60 24-h avg	80 24-h avg	80 24-h avg	100 24-h avg	400 24-h avg	4 24-h avg

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Sample/Report No.TC-67522300000004F Date- 08/01/2024

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Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221

Description of Sample :-Ambient Air

Sampling done by Staff Of PHEET Lab

P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

Sampling Duration : 24 Hours

Sampling Place:- **Training Center**

Sr. No	Date	Parameters				
		B (a) P ng/m3	Benzene µg/m3	As ng/m3	Ni ng/m3	pb µg/m3
1	**22-12-2023**	**<0.1**	**<0.1**	**<0.1**	**0.4**	**<0.1**
2	26-12-2023	<0.1	<0.1	<0.1	0.8	<0.1
3	28-12-2023	<0.1	<0.1	<0.1	0.5	<0.1
4	30-12-2023	<0.1	<0.1	<0.1	0.6	<0.1
National Standard		1 (annual avg)	5 (annual avg)	6 (annual avg)	20 (annual avg)	1 24-h avg

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TEST REPORT

Sample/Report No.TC-67522300000005F Date-08/01/2024
Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221
Description of Sample :- Ambient Noise Monitoring
Sampling done by Staff Of PHEET Lab
P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

SR . No	Noise Location	Date Of Monitoring	day Time	Standard Level Of Exposure as Per Factories Act, 1986
1	Near Melting Shop Area	28-12-2023	72.5	90 db - 8 hr 92 db- 6hr 95 db - 4 hr 97 db- 3hr 100 db- 2hr 105 db- 1hr
2	Near Furnace	29-12-2023	75.3	
3	Near WFPS area	30-12-2023	69.6	
4	Fire Office	31-12-2023	62.4	

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TEST REPORT

Sample/Report No.TC-67522300000006F Date-08/01/2024
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Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221
Description of Sample :- DG Set Stack Monitoring
Sampling done by Staff Of PHEET Lab
P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

Parameters		2400 KVA DG Set	Prescribed Standard Limit As Per Act,1986 GSR 280E, Dated 11-04/2008
Date Of Monitoring		28-12-2023	
1	Gas Temp ^{0}c	152	–
2	Velocity m/s	21.8	–
3	PM mg/Nm^3	58	75
4	So_2 mg/nm^3	20.19	S In Fuel <2%
5	Nox ppm	268	710

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TEST REPORT

Sample/Report No.TC-67522300000007F Date-08/01/2024
Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221
Description of Sample :- Stack Emission Monitoring
Sampling done by Staff Of PHEET Lab
P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

	Parameters	Electric Arc Furnace	Normalizing Furnace	Prescribed Standard Limit
Date Of Monitoring		**27-12-2023**	**27-12-2023**	
1	Gas Temp ^{0}c	98	102	–
2	Velocity m/s	9.54	11.6	–
3	PM mg/Nm^3	43	40	50
4	So_2 mg/nm^3	<1	<1	Not Specified
5	Nox mg/nm3	22	33	Not Specified

Tested By
Chemist

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Web : www.pheet-environment.com, M : 9065103567, 9546991814

TEST REPORT

Sample/Report No.TC-67522300000008F Date-08/01/2024

Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221

Description of Sample :- Stack Emission Monitoring

Sampling done by Staff Of PHEET Lab

P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

	Parameters	Sand Furnace	Prescribed Standard Limit
	Date Of Monitoring	28-12-2023	
1	Gas Temp ^{0}c	110	–
2	Velocity m/s	8.5	–
3	PM mg/Nm^3	21	50
4	So_2 mg/nm^3	<1	Not Specified
5	Nox mg/nm3	18	Not Specified

Tested By
Chemist

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MOEFCC CERTIFICATE

NABLTC-6752

PHEET LAB

(Public Health Environmental Engineering Testing) Lab

Recognized As Environmental Laboratory by MOEFCC, Govt of India Under Environment Protection Act 1986, issued vide letter No.-LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt-327/1324 Dated 23rd May-2022

NABL & MOEFCC Accreditated *Lab for Testing of Water/Waste Water/Ambient Air/Stack Emission/Noise under 01 Roof, Located in Bhagirathi Lane, Opposite Malaria Control Office, Ashok Rajpath, Mahendru, Patna-800006*
E-mail : sharma.chandrabhan9@gmail.com & Pheetlab@gmail.com
Web : www.pheet-environment.com, M : 9065103567, 9546991814

TEST REPORT

Sample/Report No.TC-67522300000009F Date-08/01/2024
Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221
Description of Sample :- Canteen Waste water
Date Of Sampling-26/12/2023
Sampling done by Staff Of PHEET Lab
P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

Sl No.	Parameters	Unit	Test Method	Results	General Discharge Standard Inland Surface Water
1	PH	_	IS-3025 PART -11-2022	7.98	5.5-9.0
2	Color	Hazen Unit	IS-3025 -PART 4	8	_
3	Total Suspended Solids	mg/l	IS-3025 PART -17-2022	84	100
4	Total Dissolve Solids	mg/l	IS-3025 PART -16-2023	624	2100
5	BOD	mg/l	IS-3025 PART -44-2023	21	30
6	COD	mg/l	IS-3025 PART -58-2023	110	250
7	Oil & Grease	mg/l	APHAA 4500 D	4.2	10
8	Chloride As Cl	mg/l	IS-3025 PART -32-1988	113	1000
9	Sulphate As So4	mg/l	IS-3025 PART -24-2022	51	1000
10	Ammonical N As N	mg/l	IS-3025 PART -34-1988	16.5	50
11	Total Kjeldahl Nitrogen As N	mg/l	IS-3025 PART -34-1988	26.8	100
12	Dissolve Phosphate	mg/l	IS-3025 PART -31-2022	4.2	5
End Of The Test Report				Page-1/1	

Tested By
Chemist

Note : 1. Test Reports are Valid for the Samples Tested in our Lab
2. Samples would be preserved/Stored in our Lab, For next 15 Days, since the receiving date thereafter, would be disposed off.

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MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE
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Web : www.pheet-environment.com, M : 9065103567, 9546991814

TEST REPORT

Sample/Report No.TC-67522300000010F Date-08/01/2024
Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221
Description of Sample :- STP OUTLET
Sampling done by Staff Of PHEET Lab
Date Of Sampling - 26/12/2023
P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

Sl No.	Parameters	Unit	Test Method	Results	General Discharge Standard Inland Surface Water
1	PH	_	IS-3025 PART -11-2022	7.74	5.5-9.0
2	Color	Hazen Unit	IS-3025 -PART 4	2	_
3	Total Suspended Solids	mg/l	IS-3025 PART -17-2022	48	100
4	Total Dissolve Solids	mg/l	IS-3025 PART -16-2023	412	2100
5	BOD	mg/l	IS-3025 PART -44-2023	16	30
6	COD	mg/l	IS-3025 PART -58-2023	85	250
7	Oil & Grease	mg/l	APHAA 4500 D	1.68	10
8	Chloride As Cl	mg/l	IS-3025 PART -32-1988	38.6	1000
9	Sulphate As So4	mg/l	IS-3025 PART -24-2022	16.5	1000
10	Ammonical N As N	mg/l	IS-3025 PART -34-1988	6.2	50
11	Total Kjeldahl Nitrogen As N	mg/l	IS-3025 PART -34-1988	14.6	100
12	Dissolve Phosphate	mg/l	IS-3025 PART -31-2022	3.1	5
End Of The Test Report				Page-1/1	

Tested By
Chemist

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Web : www.pheet-environment.com, M : 9065103567, 9546991814

TEST REPORT

Sample/Report No.TC-675223000000011F Date-08/01/2024
Name & Address:- Rail Wheel Plant/Bela (Indian Railways) Govt. Of India
Dy.CME/Plg RWP,Bela,3rd Floor Administrative Building
P.o:-Arvind Nagar, Dariapur Block District-Saran (Saran),Bihar-841221
Description of Sample :- Fugitive Emission
Sampling done by Staff Of PHEET Lab
P.o No- RWP/Plg/Safety/Env/2023 Dated-19/12/2023

SR . No	Location	Date Of Monitoring	Parameter	Unit	Result	Limit	Test Method
1	Mold Room	28-12-2023	SPM	µg/m^3	1140	2000	IS -5182 P-4 2005
2	Electric ARC Furnace	29-12-2023			1642		
3	WFPS Area	30-12-2023			937		
4	MRS	31-12-2023			1346		

Tested By
Chemist

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