MONITORING & ANALYSIS OF ENVIRONMENTAL PARAMETERS

DY.CME/PLG. RWP, BELA, 3RD FLOOR ADMINISTRATIVE BUILDING

RAIL WHEEL PLANT BELA (INDIAN RAILWAYS)
PO- Arvind Nagar, Block- Dariapur
District: Saran (Chhapra), Pincode- 841221

BY

EMTRC CONSULTANTS PRIVATE LIMITED

Lab: F-66, Road No.2, UPSIDC, Masuri Gulawthi Road Industrial Area, Ghaziabad 209010 (UP)

Registered Office: Tower 5/102 (FF), CWG Village NH24, Near Akshardham Temple, Delhi 110092

emtrcjkm@gmail.com,
emtrcjkm@rediffmail.com

JULY 2023

DyCME के कार्यालय में G/
18/8/23 2 प्राप्त हुआ

Name & Address of the Client : Dy.CME/Plg RWP, Bela
3rd Floor Administrative Building
PO: Arvind Nagar, Dariarpur Block
District: Saran (Chhapra) Bihar, Pin Code- 841221

Name of Project : Rail Wheel Plant/Bela (Indian Railways) Govt. of India.

Description of Test Site: Rail Wheel Plant, Bela has become a Production Unit of Indian Railways w.e.f 01.08.2014. It is situated at Bela in Dariyapur Block of Saran district in Bihar (India). It is being built at an approx. cost of Rs. 1500 crores. It is spread over a land area of 295 acres.

Description & Identification of Test : Monthly Ambient Air Quality Monitoring, Stack Emission Monitoring, Plant Effluents, Noise & Ground Water

Executing Agency : EMTRC Consultants Private Limited, Delhi
Recognized by Ministry of Environment, Forests & Climate Change, Govt. of India

Order Reference : RWPBELA HQ-MECHANICAL/ RWP-Environment - 2021/10167440057069, Dated: 30.06.2022

Month of Commencement of Study : July 2022

Reporting Period : 1st July to 31st July 2023

Monitoring Team : Mr. Mukesh Kumar, Govt Analyst
Mr. Rajesh Kumar, Field Officer
Mr. Subhonand Bharti

04/08/2023

Authorized Signatory
EMTRC Consultants Private Limited

EMTRC CONSULTANTS PVT. LTD. DELHI

Date & Seal

EMTRC CONSULTANTS PRIVATE LIMITED

Registered Office: Tower 5 / 102 (FF), CWG village, NH24, Delhi 110092

Phone: 9810032481, email: emtrcjkm@gmail.com, website: www.emtrc.in

----------TEST REPORT----------

Date: 04-08-2023

Report No. : EMTRC/RWPB-183/2023-2024

Issued To : Rail Wheel Plant/Bela (Indian Railways) Govt. of India
Dy.CME/Plg RWP, Bela, 3rd Floor Administrative Building
PO: Arvind Nagar, Dariapur Block, District: Saran (Chhapra)
Bihar, Pin Code- 841221

No. of Pages : 1 of 2

WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022

Nature of Sampling : Ambient Air Quality Monitoring (Monthly)

Sampling Location : Near Material Gate

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

Sr. No	Date	Parameters						
		PM_{10} $\mu g/m^3$	$PM_{2.5}$ $\mu g/m^3$	SO_2 $\mu g/m^3$	NO_2 $\mu g/m^3$	O_3 $\mu g/m^3$	NH_3 $\mu g/m^3$	CO mg/m^3
1	03-07-2023	58.4	28.8	4.5	9.5	18	7.5	0.22
2	06-07-2023	64.5	31.6	5.2	10.8	20	9.2	0.35
3	10-07-2023	60.2	29.4	4.8	9.8	18	8.5	0.26
4	13-07-2023	62.4	30.5	5.5	10.2	22	9.8	0.28
5	17-07-2023	67.8	32.6	6.2	11.5	24	10.5	0.38
6	20-07-2023	56.2	26.8	4.2	9.2	18	7.2	0.20
7	24-07-2023	60.4	29.6	4.8	9.8	20	8.8	0.25
8	27-07-2023	54.4	25.8	<4.0	<9.0	16	6.5	0.20
Nationl Standard		100 (24-h avg)	60 (24-h avg)	80 (24-h avg)	80 (24-h avg)	100 (8-h avg)	400 (24-h avg)	4 (1-h avg)

Note: BDL = Below Detection Limit.
PM_{10} <5, $PM_{2.5}$ <5, SO_2 <4.0 $\mu g/m^3$, NO_2 <9.0 $\mu g/m^3$, O_3 <5.0 $\mu g/m^3$, NH_3 <5.0$\mu g/m^3$

MUKESH KUMAR
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No. of Pages : 2 of 2

WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022

Nature of Sampling : Ambient Air Quality Monitoring (Monthly)

Sampling Location : Near Material Gate

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS TEST RESULTS

SN	Date	Parameters				
		B(a)P ng/m^3	Benzene µg/m^3	As ng/m^3	Ni ng/m^3	Pb µg/m^3
1	03-07-2023	<0.1	<0.1	<1.0	1.4	<0.1
2	06-07-2023	<0.1	<0.1	<1.0	1.8	<0.1
3	10-07-2023	<0.1	<0.1	<1.0	1.4	<0.1
4	13-07-2023	<0.1	<0.1	<1.0	1.6	<0.1
5	17-07-2023	<0.1	<0.1	<1.0	2.5	<0.1
6	20-07-2023	<0.1	<0.1	<1.0	1.2	<0.1
7	24-07-2023	<0.1	<0.1	<1.0	1.5	<0.1
8	27-07-2023	<0.1	<0.1	<1.0	1.2	<0.1
National Standard		1 (annual avg)	5 (annual avg)	6 (annual avg)	20 (annual avg)	1 (24-h avg)

Note: BDL = Below Detection Limit.
CO <0.1 mg/m^3, B(a)P <0.1 ng/m^3, Benzene <0.1 µg/m^3, As <1.0 ng/m^3, Ni <0.5 ng/m^3, Pb <0.1 µg/m^3

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PO: Arvind Nagar, Dariapur Block, District: Saran (Chhapra)
Bihar, Pin Code- 841221

No. of Pages : 1 of 2

WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022

Nature of Sampling : Ambient Air Quality Monitoring (Monthly)

Sampling Location : Near Store Area

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

Sr. No	Date	Parameters						
		PM_{10} $\mu g/m^3$	$PM_{2.5}$ $\mu g/m^3$	SO_2 $\mu g/m^3$	NO_2 $\mu g/m^3$	O_3 $\mu g/m^3$	NH_3 $\mu g/m^3$	CO mg/m^3
1	03-07-2023	62.8	30.4	4.8	10.2	20	8.2	0.25
2	06-07-2023	67.6	32.8	5.8	11.4	22	10.5	0.38
3	10-07-2023	64.5	31.4	5.2	10.8	20	9.2	0.28
4	13-07-2023	65.8	32.2	5.8	11.2	20	10.2	0.32
5	17-07-2023	69.6	34.4	7.2	12.5	22	11.8	0.35
6	20-07-2023	60.2	28.5	4.5	9.5	20	8.5	0.24
7	24-07-2023	62.4	30.2	5.2	9.8	18	9.2	0.28
8	27-07-2023	57.2	27.4	<4.0	<9.0	18	7.8	0.24
National Standard		100 (24-h avg)	60 (24-h avg)	80 (24-h avg)	80 (24-h avg)	100 (8-h avg)	400 (24-h avg)	4 (1-h avg)

Note: BDL = Below Detection Limit.
PM_{10} <5, $PM_{2.5}$ <5, SO_2 <4.0 $\mu g/m^3$, NO_2 <9.0 $\mu g/m^3$, O_3 <5.0 $\mu g/m^3$, NH_3 <5.0$\mu g/m^3$

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Bihar, Pin Code- 841221
No. of Pages : 2 of 2
WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022
Nature of Sampling : Ambient Air Quality Monitoring (Monthly)
Sampling Location : Near Store Area
Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

SN	Date	Parameters				
		B(a)P ng/m^3	Benzene µg/m^3	As ng/m^3	Ni ng/m^3	Pb µg/m^3
1	03-07-2023	<0.1	<0.1	<1.0	1.8	<0.1
2	06-07-2023	<0.1	<0.1	<1.0	2.5	<0.1
3	10-07-2023	<0.1	<0.1	<1.0	2.2	<0.1
4	13-07-2023	<0.1	<0.1	<1.0	2.3	<0.1
5	17-07-2023	<0.1	<0.1	<1.0	2.8	<0.1
6	20-07-2023	<0.1	<0.1	<1.0	1.8	<0.1
7	24-07-2023	<0.1	<0.1	<1.0	2.2	<0.1
8	27-07-2023	<0.1	<0.1	<1.0	1.4	<0.1
National Standard		1 (annual avg)	5 (annual avg)	6 (annual avg)	20 (annual avg)	1 (24-h avg)

Note: BDL = Below Detection Limit.
CO <0.1 mg/m^3, B(a)P <0.1 ng/m^3, Benzene <0.1 µg/m^3, As <1.0 ng/m^3 , Ni <0.5 ng/m^3, Pb <0.1 µg/m^3

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----------TEST REPORT----------

Date: 04-08-2023

Report No. : EMTRC/RWPB-185/2023-2024

Issued To : Rail Wheel Plant/Bela (Indian Railways) Govt. of India
Dy.CME/Plg RWP, Bela, 3rd Floor Administrative Building
PO: Arvind Nagar, Dariapur Block, District: Saran (Chhapra)
Bihar, Pin Code- 841221

No. of Pages : 1 of 2

WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022

Nature of Sampling : Ambient Air Quality Monitoring (Monthly)

Sampling Location : Near Canteen Area

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

Sr. No	Date	Parameters						
		PM_{10} $\mu g/m^3$	$PM_{2.5}$ $\mu g/m^3$	SO_2 $\mu g/m^3$	NO_2 $\mu g/m^3$	O_3 $\mu g/m^3$	NH_3 $\mu g/m^3$	CO mg/m^3
1	03-07-2023	65.4	32.4	5.2	10.5	22	9.2	0.28
2	06-07-2023	68.6	33.8	6.5	11.8	20	11.5	0.36
3	10-07-2023	66.4	32.6	5.8	11.5	18	10.2	0.30
4	13-07-2023	68.2	33.4	7.2	11.8	22	10.8	0.35
5	17-07-2023	72.4	35.8	7.5	13.5	20	12.5	0.38
6	20-07-2023	64.6	31.4	4.8	10.2	22	9.2	0.26
7	24-07-2023	65.8	32.2	5.2	10.5	20	9.8	0.32
8	27-07-2023	59.8	28.4	<4.0	<9.0	19	8.5	0.26
National Standard		100 (24-h avg)	60 (24-h avg)	80 (24-h avg)	80 (24-h avg)	100 (8-h avg)	400 (24-h avg)	4 (1-h avg)

Note: BDL = Below Detection Limit.
PM_{10} <5, $PM_{2.5}$ <5, SO_2 <4.0 $\mu g/m^3$, NO_2 <9.0 $\mu g/m^3$, O_3 <5.0 $\mu g/m^3$, NH_3 <5.0$\mu g/m^3$

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Nature of Sampling : Ambient Air Quality Monitoring (Monthly)
Sampling Location : Near Canteen Area
Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

SN	Date	Parameters				
		B(a)P ng/m^3	Benzene µg/m^3	As ng/m^3	Ni ng/m^3	Pb µg/m^3
1	03-07-2023	<0.1	<0.1	<1.0	1.9	<0.1
2	06-07-2023	<0.1	<0.1	<1.0	2.6	<0.1
3	10-07-2023	<0.1	<0.1	<1.0	2.4	<0.1
4	13-07-2023	<0.1	<0.1	<1.0	2.5	<0.1
5	17-07-2023	<0.1	<0.1	<1.0	2.9	<0.1
6	20-07-2023	<0.1	<0.1	<1.0	1.8	<0.1
7	24-07-2023	<0.1	<0.1	<1.0	2.4	<0.1
8	27-07-2023	<0.1	<0.1	<1.0	1.5	<0.1
National Standard		1 (annual avg)	5 (annual avg)	6 (annual avg)	20 (annual avg)	1 (24-h avg)

Note: BDL = Below Detection Limit.
CO <0.1 mg/m^3, B(a)P <0.1 ng/m^3, Benzene <0.1 µg/m^3, As <1.0 ng/m^3, Ni <0.5 ng/m^3, Pb <0.1 µg/m^3

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----------TEST REPORT----------

Date: 04-08-2023

Report No. : EMTRC/RWPB-186/2023-2024

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PO: Arvind Nagar, Dariapur Block, District: Saran (Chhapra)
Bihar, Pin Code- 841221

No. of Pages : 1 of 2

WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022

Nature of Sampling : Ambient Air Quality Monitoring (Monthly)

Sampling Location : Near Training Centre

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

Sr. No	Date	Parameters						
		PM_{10} $\mu g/m^3$	$PM_{2.5}$ $\mu g/m^3$	SO_2 $\mu g/m^3$	NO_2 $\mu g/m^3$	O_3 $\mu g/m^3$	NH_3 $\mu g/m^3$	CO mg/m^3
1	03-07-2023	56.2	26.4	4.2	9.2	16	6.8	0.18
2	06-07-2023	62.4	30.2	4.8	9.8	18	8.5	0.28
3	10-07-2023	57.6	28.3	4.2	9.2	19	7.8	0.22
4	13-07-2023	59.2	28.8	4.5	9.8	20	8.2	0.26
5	17-07-2023	62.4	30.5	5.2	10.5	22	9.5	0.35
6	20-07-2023	52.2	25.4	<4.0	<9.0	16	6.8	0.18
7	24-07-2023	54.6	26.5	<4.0	<9.0	18	7.5	0.22
8	27-07-2023	49.4	24.2	<4.0	<9.0	15	6.2	0.18
National Standard		100 (24-h avg)	60 (24-h avg)	80 (24-h avg)	80 (24-h avg)	100 (8-h avg)	400 (24-h avg)	4 (1-h avg)

Note: BDL = Below Detection Limit.
PM_{10} <5, $PM_{2.5}$ <5, SO_2 <4.0 $\mu g/m^3$, NO_2 <9.0 $\mu g/m^3$, O_3 <5.0 $\mu g/m^3$, NH_3 <5.0$\mu g/m^3$

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No. of Pages : 2 of 2

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Nature of Sampling : Ambient Air Quality Monitoring (Monthly)

Sampling Location : Near Training Centre

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

SN	Date	Parameters				
		B(a)P ng/m^3	Benzene µg/m^3	As ng/m^3	Ni ng/m^3	Pb µg/m^3
1	03-07-2023	<0.1	<0.1	<1.0	1.2	<0.1
2	06-07-2023	<0.1	<0.1	<1.0	1.4	<0.1
3	10-07-2023	<0.1	<0.1	<1.0	1.2	<0.1
4	13-07-2023	<0.1	<0.1	<1.0	1.4	<0.1
5	17-07-2023	<0.1	<0.1	<1.0	1.8	<0.1
6	20-07-2023	<0.1	<0.1	<1.0	1.1	<0.1
7	24-07-2023	<0.1	<0.1	<1.0	1.4	<0.1
8	27-07-2023	<0.1	<0.1	<1.0	1.0	<0.1
National Standard		1 (annual avg)	5 (annual avg)	6 (annual avg)	20 (annual avg)	1 (24-h avg)

Note: BDL = Below Detection Limit.
CO <0.1 mg/m^3, B(a)P <0.1 ng/m^3, Benzene <0.1 µg/m^3, As <1.0 ng/m^3, Ni <0.5 ng/m^3, Pb <0.1 µg/m^3

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No. of Pages : 1 of 1
WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022
Nature of Sampling : Ambient Noise Quality Monitoring (Monthly)
Type of Sample : Noise
Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

	Monitoring Location	Date of Monitoring	Day Time dB	**Standard Level of Exposure as per Factories Act, 1986**
1	Near Furnace (Inside Shed)	20-07-2023	81.4	90 dB – 8 hr 92 dB – 6 hr 95 dB – 4 hr 97 dB – 3 hr 100 dB – 2 hr 105 dB – 1 hr
2	Near Mould Room (inside Shed)	21-07-2023	72.6	
3	Near MRS Area	27-07-2023	71.2	
4	Near Time Office	25-07-2023	55.4	

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No. of Pages : 1 of 1
WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022
Nature of Sampling : Stack Emission Monitoring (Monthly)
Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

Parameters		Electric Arc Furnace	Normalizing Furnace	Prescribed Standard Limit
Date of Monitoring		**24-07-2023**	**24-07-2023**	
1	Gas Temp ^0C	97	108	-
2	Velocity m/s	11.2	10.8	-
3	PM mg/Nm^3	34	35	50
4	SO_2 mg/Nm^3	<1 (BDL)	<1(BDL)	Not Specified
5	NO_x mg/Nm^3	40	36	Not Specified

Note: BDL= Below Detectable Limit.

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Report No. : EMTRC/RWPB-189/2023-2024

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No. of Pages : 1 of 1

WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022

Nature of Sampling : Stack Emission Monitoring (Monthly)

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

Parameters		Draw Furnace	Prescribed Standard Limit
Date of Monitoring		**24-07-2023**	
1	Gas Temp ^0C	58	-
2	Velocity m/s	10.2	-
3	PM mg/Nm^3	32	50
4	SO_2 mg/Nm^3	<1 (BDL)	Not Specified
5	NO_x mg/Nm^3	35	Not Specified

Note: BDL= Below Detectable Limit.

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----------TEST REPORT----------

Date: 04-08-2023

Report No. : EMTRC/RWPB-190/2023-2024

Issued To : Rail Wheel Plant/Bela (Indian Railways) Govt. of India
Dy.CME/Plg RWP, Bela, 3rd Floor Administrative Building
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Bihar, Pin Code- 841221

No. of Pages : 1 of 1

WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022

Nature of Sampling : Grab Sampling

Type of Sample : Bore Well

Sampling Location : Engineering Tank (Bore Well- Inside Plant)

Date of Sampling : 18-07-2023

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

	Parameters	Unit	Test Method	Results	Acceptable Limit IS:10500:2012	Permissible Limit IS:10500: 2012
1	pH	-	APHA-4500	7.79	6.5 to 8.5	-
2	Colour	Hazen Unit	APHA-2120B	Colorless	5	15
3	Turbidity	NTU	APHA-2030B	<1	1	5
4	Total Dissolved Solids	mg/l	APHA-2540B	560	500	2000
5	Total Alkalinity	mg/l	APHA-2320B	176	200	600
6	Total Hardness as $CaCO_3$	mg/l	APHA-2340C	230	200	600
7	Calcium as Ca	mg/l	APHA-4500B	68	75	200
8	Magnesium as Mg	mg/l	APHA-4500B	14.6	30	100
9	Sulphate	mg/l	APHA-4500B	52	200	400
10	Chlorides as Cl	mg/l	APHA-4500B	68	250	1000
11	Nitrates as NO_3	mg/l	APHA-4500	5.2	45	-
12	Iron as Fe	mg/l	APHA-3111B	0.12	0.3	-
13	Arsenic as As	mg/l	APHA-3111B	<0.001	0.01	0.05
14	Fluoride as F	mg/l	APHA-4500D	0.56	1.0	1.5
15	Total Coliform	MPN/100ml	APHA-9230B	Absent	Absent	-

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Date: 04-08-2023

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Bihar, Pin Code- 841221

No. of Pages : 1 of 1

WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022

Nature of Sampling : Grab Sampling

Sampling Location : Emergency Tank (Bore Well -Inside Plant)

Date of Sampling : 18-07-2023

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

	Parameters	Unit	Test Method	Results	Acceptable Limit IS:10500:2012	Permissible Limit IS:10500: 2012
1	pH	-	APHA-4500	7.76	6.5 to 8.5	-
2	Colour	Hazen Unit	APHA-2120B	Colorless	5	15
3	Turbidity	NTU	APHA-2030B	<1	1	5
4	Total Dissolved Solids	mg/l	APHA-2540B	540	500	2000
5	Total Alkalinity	mg/l	APHA-2320B	180	200	600
6	Total Hardness as $CaCO_3$	mg/l	APHA-2340C	220	200	600
7	Calcium as Ca	mg/l	APHA-4500B	64	75	200
8	Magnesium as Mg	mg/l	APHA-4500B	14.6	30	100
9	Sulphate	mg/l	APHA-4500B	48	200	400
10	Chlorides as Cl	mg/l	APHA-4500B	65	250	1000
11	Nitrates as NO_3	mg/l	APHA-4500	4.5	45	-
12	Iron as Fe	mg/l	APHA-3111B	0.10	0.3	-
13	Arsenic as As	mg/l	APHA-3111B	<0.001	0.01	0.05
14	Fluoride as F	mg/l	APHA-4500D	0.58	1.0	1.5
15	Total Coliform	MPN/100ml	APHA-9230B	Absent	Absent	-

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Bihar, Pin Code- 841221
No. of Pages : 1 of 1
WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022
Type of Sample : S.T.P Outlet
Nature of Sampling : Grab Sampling
Date of Sampling : 18-07-2023
Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

	Parameters	Unit	Test Method	Result	General Discharge Standard Inland Surface Water
1	pH	-	APHA-4500	7.49	5.5 – 9.0
2	Colour	Hazen Unit	APHA-2120B	3	-
3	Total Suspended solids	mg/l	APHA-2540D	35	100
4	Total Dissolved Solids	mg/l	APHA-2540B	480	2100
5	BOD	mg/l	APHA-5210-B	9.5	30
6	COD	mg/l	APHA-5220D	48	250
7	Oil and Grease	mg/l	APHA-4500D	1.0	10
8	Chloride as Cl	mg/l	APHA-4500B	60	1000
9	Sulphate as SO_4	mg/l	APHA-4500E	40	1000
10	Ammonical N as N	mg/l	APHA-5220D	6.5	50
11	Total Kjeldahl Nitrogen as N	mg/l	APHA-4500B	9.2	100
12	Dissolved Phosphate	mg/l	APHA-4500C	1.5	5.0

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Date: 04-08-2023

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No. of Pages	: 1 of 1
WO / PO No	: RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022
Nature of Sampling	: Fugitive Emission Monitoring (Monthly)
Date of Sampling	: 14-07-2023
Sampling Location	: Near Electric Arc Furnace
Sample Collected By	: Staff of EMTRC Lab

TEST RESULTS

	Parameter	Test Methods	Unit	RESULTS	Standard
1	Suspended Particulate Matter	IS-5182-P-4-2005	$\mu g/m^3$	1460	2000

Note: - Fugitive Emission Standard, MOEF, Govt of India, GSR 414(E) Dated 30 May 2008

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Date: 04-08-2023

Report No. : EMTRC/RWPB-194/2023-2024

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No. of Pages : 1 of 1

WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022

Nature of Sampling : Fugitive Emission Monitoring (Monthly)

Date of Sampling : 11-07-2023

Sampling Location : Mould Room Area

Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

	Parameter	Test Methods	Unit	RESULTS	Standard
1	Suspended Particulate Matter	IS-5182-P-4-2005	$\mu g/m^3$	920	2000

Note: - Fugitive Emission Standard, MOEF, Govt of India, GSR 414(E) Dated 30 May 2008

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----------TEST REPORT----------

Date: 04-08-2023

Report No. : EMTRC/RWPB-195/2023-2024
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Bihar, Pin Code- 841221
No. of Pages : 1 of 1
WO / PO No : RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022
Nature of Sampling : Fugitive Emission Monitoring (Monthly)
Date of Sampling : 13-07-2023
Sampling Location : WFPS Area
Sample Collected By : Staff of EMTRC Lab

TEST RESULTS

	Parameter	Test Methods	Unit	RESULTS	Standard
1	Suspended Particulate Matter	IS-5182-P-4-2005	$\mu g/m^3$	1040	2000

Note: - Fugitive Emission Standard, MOEF, Govt of India, GSR 414(E) Dated 30 May 2008

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No. of Pages	: 1 of 1
WO / PO No	: RWPBELA HQ-MECHANICAL/ RWP-Environment -021/10167440057069, Dated: 30.06.2022
Nature of Sampling	: Fugitive Emission Monitoring (Monthly)
Date of Sampling	: 17-07-2023
Sampling Location	: MRS Area
Sample Collected By	: Staff of EMTRC Lab

TEST RESULTS

	Parameter	Test Methods	Unit	RESULTS	Standard
1	Suspended Particulate Matter	IS-5182-P-4-2005	$\mu g/m^3$	960	2000

Note: - Fugitive Emission Standard, MOEF, Govt of India, GSR 414(E) Dated 30 May 2008

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