

GESEC

TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/01/650	Date of Report	27/01/2021
Client Name and Address: M/s Dhananjay Enterprises Plot NO.H-45 MIDC Waluj, Aurangabad.	Date of Sampling	19/01/2021 to 20/01/2021
	Start Date of Analysis	20/01/2021
	End Date of Analysis	27/01/2021
	Sample Details	Ambient Air
	Sample Location	Near Gas Bank
	Time of Sampling	11.10HRS To 11:10 HRS
Sample Collected By	Envirotech Research PVT. LTD.	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	28	°C	
2.	Dry Bulb Temperature	28	°C	
3.	Wet Bulb Temperature	24	°C	
4.	Relative Humidity	68	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	13.1	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	23.5	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	52.6	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	34.2	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.5	mg/M ³	≤ 04
11.	Ozone(O ₃)	7.1	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	1.2	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

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	Start Date of Analysis	20/01/2021
	End Date of Analysis	27/01/2021
	Sample Details	Ambient Air
	Sample Location	Near Dispatch Shutter
	Time of Sampling	11:30 HRS To 11:30 HRS
Sample Collected By	Envirotech Research PVT. LTD.	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	28	°C	
2.	Dry Bulb Temperature	28	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	66	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	15.2	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	14.2	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	42.6	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	30.1	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.22	mg/M ³	≤ 04
11.	Ozone(O ₃)	6.3	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	2.2	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

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	Start Date of Analysis	20/01/2021
	End Date of Analysis	27/01/2021
	Sample Details	Ambient Air
	Sample Location	Near PT line
	Time of Sampling	11:50 HRS To 11:50 HRS
Sample Collected By	Envirotech Research PVT. LTD.	

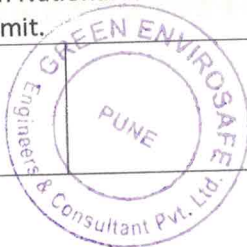
Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	28	°C	
2.	Dry Bulb Temperature	28	°C	
3.	Wet Bulb Temperature	24	°C	
4.	Relative Humidity	65	% RH	
5.	Sampling Duration	1440	Min	
6.	Sulphur Dioxide(SO ₂)	13.8	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	23.2	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	52.8	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	35.9	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.2	mg/M ³	≤ 04
11.	Ozone(O ₃)	6.5	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	1.1	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

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- BDL – Below Detectable Limit.

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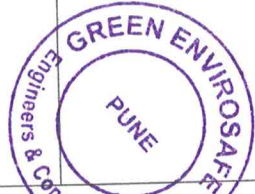




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Client Name and Address: M/s Dhananjay Enterprises Plot NO.H-45 MIDC Waluj, Aurangabad.		Date of Sampling		19/01/2021
		Sample Details		Work Zone Noise
Sample Collected & Service By		Envirotech Research PVT. LTD.		
Work zone Noise Monitoring Report				
Sr. No.	Location	Result dB(A) Day	Unit	The Factories Act 1948, standards
1	MNP 00032 & 33 (400 T)	83.5	dB(A)	≤90
2	MHY00015(250 T HYDR M/C)	73.1	dB(A)	
3	AIDA(BACK PLATE LINE)	65.2	dB(A)	
4	WIRE MESH	70.4	dB(A)	
5	PHOSPHATING	75.5	dB(A)	
6	NITODING	73.8	dB(A)	
7	POWER COATING	85.9	dB(A)	
Remark- ➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.				
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TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/01/654	Date of Report	27/01/2021
Client Name and Address: M/s Dhananjay Enterprises Plot NO.H-45 MIDC Waluj, Aurangabad.	Date of Sampling	19/01/2021
	Start Date of Analysis	20/01/2021
	End Date of Analysis	27/01/2021
	Sample Details	Treated Effluent
	Nature of sample	Liquid
Sample Collected By	Envirotech Research PVT. LTD.	

Waste Water Analysis Report

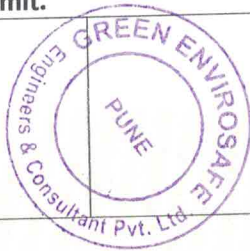
Sr. No.	Parameter	Result	Unit(s)	Standard Method
Physical Parameter				
1.	TDS	1230	mg/lit	APHA 2130
2.	Total Suspended Solid	35.0	mg/lit	IS: 3025 Part-17 (R.A : 2012)
Chemical Parameter				
3.	pH	7.1	--	IS: 3025 Part-11 (R.A : 2012)
4.	BOD at 27°C for 3 days	20.8	mg/lit	IS: 3025 Part-44 (R.A : 2014)
5.	Oil and grease	<5	mg/lit	IS: 3025 Part-39 (R.A : 2014)
6.	COD	65	mg/lit	IS: 3025 Part-58 (R.A : 2012)
7.	Sulphate	40.9	mg/lit	IS: 3025 Part-29 (R.A : 2014)
8.	Chloride(As Cl ⁻)	205.7	mg/lit	IS: 3025 Part-32 (R.A : 2014)

Remark(s):

- All parameters are within the MPCB limits.
- BDL-Below detection Limit.

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Client Name and Address: M/s Dhananjay Enterprises Plot NO.H-45 MIDC Waluj, Aurangabad.	Date of Sampling	19/01/2021
	Start Date of Analysis	20/01/2021
	End Date of Analysis	27/01/2021
	Sample Details	Drinking Water(water cooler sample from press shop cooler)
	Nature of sample	Liquid
Sample Collected By	Envirotech Research PVT. LTD.	

WATER ANALYSIS REPORT

Sr. No.	Parameter	Result	Limits as per Is 10500:2012	Unit(s)	Standard Method
Physical Parameter					
1.	Color	Clear	<5	Hazen	IS : 3025 (Part 4):1983
2.	Turbidity	NIL	<1	NTU	IS : 3025 (Part 10):1984
3.	TDS	58	<500	ppm	IS : 3025 (Part 16):1984
Chemical Parameter					
4.	pH	6.8	6.5 to 8.5	--	IS:3025 Part-11(R.A:2012)
5.	Total Hardness	30.0	<200	mg/lit	IS:3025 Part-21(R.A:2012)
6.	Total Alkalinity	13.0	<200	mg/lit	IS:3025 Part-23(R.A:2012)
7.	Sulphate	3.46	<200	mg/lit	IS:3025 Part-24(R.A:2012)
8.	Residual Chlorine	<0.1	<0.2	mg/lit	IS : 3025 (Part 26)1986
9.	Chloride	17.49	<250	mg/lit	IS:3025 Part-32(R.A:2014)
10.	Calcium (as Ca)	9.6	<75	mg/lit	IS:3025 Part-40(R.A:2012)
11.	Magnesium (as Mg)	3.8	<30	mg/lit	IS:3025 Part-46(R.A:2012)
Elemental Analysis					
12.	Iron as Fe	<0.05	<0.3	mg/lit	AAS Method
Microbiological Parameter					
13.	Total Coliform	<2	Absent	MPN/100ml	IS 1622:1981
14.	E.coli.	<2	Absent	per/100ml	IS 1622:1981

Remark(s):

- The above water sample is Comply with required limit as per 10500:2012.
- For Total Coliform & E.coli. <2 can be consider as Zero [Refer IS:1622 (R.A.1996), Table No.-4].
- BDL: Below Detection Limit.

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Client Name and Address: M/s Dhananjay Enterprises Plot NO.H-45 MIDC Waluj, Aurangabad.		Date of Sampling		19/01/2021 to 20/01/2021
		Sample Details		Noise For 24 Hours
		Sample location		Near Gas Bank
Sample Collected By		Envirotech Research PVT. LTD.		
Name Of Instrument	DB Noise	Date Of Calibration		01/08/2020
Calibration Certificate No.	TECH/CAL/2020/08/23	Due Date Of Calibration		31/07/2021

Noise Monitoring Report

Date	Timing	Result dB(A)	Date	Timing	Result dB(A)	Unit	CPCB Standards dB(A)
19/01/2021	11.00	54.2	19/01/2021	23.00	50.3	dB(A)	75/70
19/01/2021	12.00	53.6	19/01/2021	24.00	56.2	dB(A)	
19/01/2021	13.00	55.8	20/01/2021	01.00	53.1	dB(A)	
19/01/2021	14.00	56.1	20/01/2021	02.00	54.3	dB(A)	
19/01/2021	15.00	55.5	20/01/2021	03.00	54.6	dB(A)	
19/01/2021	16.00	57.4	20/01/2021	04.00	54.6	dB(A)	
19/01/2021	17.00	56.2	20/01/2021	05.00	51.3	dB(A)	
19/01/2021	18.00	55.3	20/01/2021	06.00	51.2	dB(A)	
19/01/2021	19.00	56.8	20/01/2021	07.00	49.5	dB(A)	
19/01/2021	20.00	55.7	20/01/2021	08.00	46.8	dB(A)	
19/01/2021	21.00	57.3	20/01/2021	09.00	49.9	dB(A)	
19/01/2021	22.00	51.3	20/01/2021	10.00	53.4	dB(A)	
Day Time Leq		54.25					
Night Time Leq		53.28					

Remark-

- All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -75/70 dB.

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TEST CERTIFICATE

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Client Name and Address: M/s Dhananjay Enterprises Plot NO.H-45 MIDC Waluj, Aurangabad.		Date of Sampling		19/01/2021 to 20/01/2021	
		Sample Details		Noise For 24 Hours	
		Sample location		Near Dispatch Shutter	
Sample Collected By		Envirotech Research PVT. LTD.			
Name Of Instrument	DB Noise	Date Of Calibration		01/08/2020	
Calibration Certificate No.	TECH/CAL/2020/08/23	Due Date Of Calibration		31/07/2021	

Noise Monitoring Report

Date	Timing	Result dB(A)	Date	Timing	Result dB(A)	Unit	CPCB Standards dB(A)	
19/01/2021	11.00	54.4	19/01/2021	23.00	52.3	dB(A)	75/70	
19/01/2021	12.00	55.1	19/01/2021	24.00	54.1	dB(A)		
19/01/2021	13.00	56.6	19/01/2021	01.00	55.6	dB(A)		
19/01/2021	14.00	54.8	19/01/2021	02.00	56.7	dB(A)		
19/01/2021	15.00	55.6	19/01/2021	03.00	55.9	dB(A)		
19/01/2021	16.00	57.1	19/01/2021	04.00	54.7	dB(A)		
19/01/2021	17.00	58.5	19/01/2021	05.00	53.4	dB(A)		
19/01/2021	18.00	60.4	20/01/2021	06.00	48.2	dB(A)		
19/01/2021	19.00	54.2	20/01/2021	07.00	49.5	dB(A)		
19/01/2021	20.00	57.1	20/01/2021	08.00	48.1	dB(A)		
19/01/2021	21.00	59.7	20/01/2021	09.00	50.7	dB(A)		
19/01/2021	22.00	58.1	20/01/2021	10.00	53.4	dB(A)		
Day Time Leq		55.07						
Night Time Leq		54.38						

Remark-

- All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -75/70 dB.

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Client Name and Address: M/s Dhananjay Enterprises Plot NO.H-45 MIDC Waluj, Aurangabad.	Date of Sampling	19/01/2021
	Start Date of Analysis	20/01/2021
	End Date of Analysis	27/01/2021
	Sample Details	Soil
	Sample Location	Parking Area
	Nature of sample	Solid
Sample Collected By	Envirotech Research PVT. LTD.	

SOIL ANALYSIS REPORT

Sr. No.	Parameter	Result	Unit(s)
1.	pH	7.3	----
2.	EC	0.17	Mmhos/cm
3.	Chloride	35.0	Mg/kg
4.	Sulphate	33.1	Mg/kg
5.	Sodium as Na	65.2	Mg/kg
6.	Potassium as K	39.5	Mg/kg
7.	Available Phosphorus as P	10.4	Mg/kg
8.	Total Nitrogen as N	31.4	Mg/kg
9.	Lead as Pb	0.31	Mg/kg
10.	Chromium as Cr	0.12	Mg/kg
11.	Cadmium as Cd	0.038	Mg/kg
12.	Zinc as Zn	0.21	Mg/kg
13.	Iron as Fe	0.25	Mg/kg

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