

Report No. RSIWML/AAQ/23-24/03

Date: 30.03.24

1. Name of the Industry : M/s Re Sustainability IWM Solutions Ltd.
2. Address of the Industry : SIPCOT Industrial Complex, Gummidipoondi
3. Date(s) of Survey : 04.03.24 to 28.03.24
4. Duration of Survey : 24 hrs (Except Ozone and CO- 8 hrs)

Ambient Temperature (°C)	Min	Max	Relative Humidity (%)	Min	Max
	23.8	38.8		51	67
Weather Condition	Clear Sky		Rain Fall (mm)	0.0	
Predominant Wind Condition	NW		Mean Wind Speed (Km/hr)	2.6	

Ambient Air Quality Survey Report of Analysis

Sl. No	Location	Direction	Distance (m)	Height from GL (m)	Pollutants Concentrations									
					PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³	O ₃ µg/m ³	NH ₃ µg/m ³	Pb µg/m ³	Ni ng/m ³	As ng/m ³	CO mg/m ³
1	NAAQ Standards	-	-	-	100	60	80	80	180	400	1.0	20	6	2
2	Near Security	NE	100	3.0	54.7	24.8	6.10	24.0	18.1	49.8	<0.1	5.06	1.00	0.50
3	Near SEP	NW	110	3.0	52.3	22.9	5.13	19.7	15.6	40.7	<0.1	5.00	1.01	0.56
4	Near Landfill	SW	150	3.0	53.8	25.2	5.93	22.8	18.0	49.9	<0.1	5.06	1.00	0.53

Average values for the Month of March'2024


Checked by
Subba Reddy


Authorized Signatory
M. Hanumantharao

**RE SUSTAINABILITY IWM SOLUTIONS LIMITED
TSDF-GUMMIDIPOONDI
LABORATORY**

NOISE MONITORING ANALYSIS REPORT

Sample Particulars : Noise Level Monitoring	Test Report Ref. No : RSIWMSL/03/23-24
Sample Code : Noise	Report Date : 29.03.24
Location : Within the Plant(RSIWMSL)	

Sl.NO.	Locations	Test Method	Monitoring Date	Noise Level in dB(A)	
				Day Time	Night Time
1	Near SEP	IS:9989:1981	07.03.24	58	52
2	Near Security Gate		11.03.24	66	57
3	Near Stabilization Shed		14.03.24	63	54
4	Near Landfill		18.03.24	68	49
5	Near Incinerator		21.03.24	71	67
6	Near ATFD		25.03.24	70	63
7	Near Incinerator D.G. Set (500KVA)		28.03.24	67	62

Standards

Zone	Day	Night
Industrial and mixed use	75 dB(A)	70 dB(A)


Checked by
Subba Reddy


Authorized Signatory
M.Hanumantharao

TEST REPORT

TEST REPORT NO: RSIWMSL/24-03

NAME AND ADDRESS OF THE CLIENT

M/S RE SUSTAINABILITY IWM SOLUTIONS LIMITED,
Gummidipoondi.

Report Date : 13.03.2024

Analysis Completion Date : 13.03.2024

Analysis Starting Date : 12.03.2024

Sampling Date : 12.03.2024

Sample received Date : 12.03.2024

Sample Condition : Sample received in Sample Bottle

Sample registration No : RSIWMSL/24-03

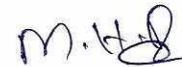
Sample description/Code: Stack Emission

Name of Stack : DG 500 kVA Stack

Sample Collected by : RSIWMSL Laboratory

S.No.	Parameter	Unit	Result	CPCB STD
1	Temperature	°C	159	--
2	Velocity of Flue Gases	m/sec	10.4	--
3	Volume of Gas Discharged	Nm ³ /hr	591	--
4	Particulate Matter	g/kW-hr	0.11	≤ 0.2
5	Oxides of Nitrogen	g/kW-hr	0.49	≤ 4.0
6	Sulphur Dioxide	mg/Nm ³	17.4	--
7	Carbon Monoxides as CO	g/kW-hr	0.62	≤ 3.5

Remark: The above emission results meet the general emission standards as prescribed by CPCB



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M. Hanumantharao

TEST REPORT

TEST REPORT NO: RSIWMSL/24-03

NAME AND ADDRESS OF THE CLIENT

M/S RE SUSTAINABILITY IWM SOLUTIONS LIMITED,
Gummidipoondi.

Report Date : 08.03.2024

Analysis Completion Date : 08.03.2024

Analysis Starting Date : 06.03.2024

Sampling Date : 06.03.2024

Sample received Date : 06.03.2024

Sample Condition : Sample received in Sample Bottle

Sample registration No : RSIWMSL/24-03

Sample description/Code: Stack Emission

Name of Stack : Incineration Stack

Sample Collected by : RSIWMSL Laboratory

S.No.	Stack Details	
1	Diameter	1.1 m
2	Temperature	61 °C
3	Velocity	12.92 m/sec
4	Volume of Gas Discharged	10.9 Nm ³ /Sec

S.No.	Parameter	Unit	Test Method	Results	Limits as per GSR 481 (E)
1	Suspended Particulate Matter	mg/Nm ³	IS:11255 (Part-1)-1985	35.4	50
2	Oxides of Nitrogen	mg/Nm ³	IS:11255 (Part-7)-2005	31.8	400
3	Sulphur Dioxide	mg/Nm ³	IS:11255 (Part-2)-1985	29.2	200
4	Carbon Monoxides as CO	mg/Nm ³	RSIWMSL/SOP-25	65.6	100
5	Carbon Dioxide as CO ₂	%		6.7	--
6	Oxygen as O ₂	%		14.0	--

Remark: The above emission results meet the general emission standards as prescribed by CPCB

- Reports pertained only to the collected sample
- Test reports shall not be reproduced expect in full, without written approval of the laboratory

-----End of the Report-----



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