



TEST REPORT

Test Report No: RSIWMSL/CONR/24-25/01/0032

NAME AND ADDRESS OF THE CLIENT	M/s. Re Sustainability IWM Solutions Ltd, BMW Division, Gummidi Poondi, Tiruvallur District.
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Report Date	: 05.02.2025	Sample Condition	: Sample received in Good
Analysis Completion date	: 05.02.2025	Sample Procedure	: IS 5182 (Part 02 to 26)
Analysis Starting Date	: 28.01.2025	Sample registration no	: RSIWMSL/24-25/01/AAQ/0032
Sampling Date	: 27.01.2025	Sample description/Code	: Ambient Air Quality
Sample received Date	: 28.01.2025	Sample Location	: Near Gate
Sub-Contracting of Tests	: NA	Sample Collected By	: Mr.Deepak RSIWMSL Lab

Ambient Temperature: Min: 23.5° C, Max: 34.8°C
 Relative Humidity: Min: 65% & Max: 86%

S.No.	Parameter	Unit	Method	Result	NAAQ Standard
1	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	14.8	80
2	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	21.9	80
3	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	58.2	100
4	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	26.4	60
5	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
6	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 1.0)	1.0
7	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	1.53	4.0
8	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
9	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 10)	20
10	Benzene	µg/m ³	IS: 5182 - Part-11	BDL (DL: 1.0)	5.0
11	Benzo (a) Pyrene	ng/m ³	IS: 5182-Part-12	BDL (DL: 1.0)	1.0
12	Arsenic as As	ng/m ³	CPCB Manual Method	BDL (DL: 1.0)	6.0

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- The Above Sample complies as per NAAQS limit which is provided in the environmental protection rule 3 (3B) Nov.2009, against the above tested parameter. NAAQS: National Ambient Air Quality Standard.
- Test report shall not be reproduced in full or part without the written approval of the RSIWMSL laboratory.

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TEST REPORT

Test Report No: RSIWMSL/CONR/24-25/01/0033

NAME AND ADDRESS OF THE CLIENT	M/s. Re Sustainability IWM Solutions Ltd, BMW Division, Gummidipoondi, Tiruvallur District.
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Report Date	: 05.02.2025	Sample Condition	: Sample received in Good
Analysis Completion date	: 05.02.2025	Sample Procedure	: IS 5182 (Part 02 to 26)
Analysis Starting Date	: 28.01.2025	Sample registration no	: RSIWMSL/24-25/01/AAQ/0033
Sampling Date	: 27.01.2025	Sample description/Code	: Ambient Air Quality
Sample received Date	: 28.01.2025	Sample Location	: Near Electrical Panel CEMS Room
Sub-Contracting of Tests	: NA	Sample Collected By	: Mr.Deepak RSIWMSL Lab

Ambient Temperature: Min: 23.5° C, Max: 34.8° C

Relative Humidity: Min: 65% & Max: 86%

S No.	Parameter	Unit	Method	Result	NAAQ Standard
1	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	13.2	80
2	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	19.6	80
3	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	56.4	100
4	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	24.3	60
5	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
6	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 1.0)	1.0
7	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	1.27	4.0
8	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
9	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 10)	20
10	Benzene	µg/m ³	IS: 5182 - Part-11	BDL (DL: 1.0)	5.0
11	Benzo (a) Pyrene	ng/m ³	IS: 5182-Part-12	BDL (DL: 1.0)	1.0
12	Arsenic as As	ng/m ³	CPCB Manual Method	BDL (DL: 1.0)	6.0

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Test Report No: RSIWMSL/CONR/24-25/01/0034

NAME AND ADDRESS OF THE CLIENT	M/s. Re Sustainability IWM Solutions Ltd, BMW Division, Gummidipoondi, Tiruvallur District.
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Report Date : 05.02.2025 Sample Condition : Sample received in Good
 Analysis Completion date : 05.02.2025 Sample Procedure : IS 5182 (Part 02 to 26)
 Analysis Starting Date : 28.01.2025 Sample registration no : RSIWMSL/24-25/01/AAQ/0034
 Sampling Date : 27.01.2025 Sample description/Code : Ambient Air Quality
 Sample received Date : 28.01.2025 Sample Location : Near Incineration Stack
 Sub-Contracting of Tests : NA Sample Collected By : Mr.Deepak RSIWMSL Lab

Ambient Temperature: Min: 23.5° C, Max: 34.8°C
 Relative Humidity: Min: 65% & Max: 86%

S.No.	Parameter	Unit	Method	Result	NAAQ Standard
1	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	17.0	80
2	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	27.2	80
3	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	60.4	100
4	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	27.6	60
5	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
6	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 1.0)	1.0
7	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	1.72	4.0
8	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
9	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 10)	20
10	Benzene	µg/m ³	IS: 5182 - Part-11	BDL (DL: 1.0)	5.0
11	Benzo (a) Pyrene	ng/m ³	IS: 5182-Part-12	BDL (DL: 1.0)	1.0
12	Arsenic as As	ng/m ³	CPCB Manual Method	BDL (DL: 1.0)	6.0

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

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Test Report No: RSIWMSL/CONR/24-25/01/0035

NAME AND ADDRESS OF THE CLIENT	M/s. Re Sustainability IWM Solutions Ltd, BMW Division, Gummidipoondi, Tiruvallur District.
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Report Date : 05.02.2025 Sample Condition : Sample received in Good
Analysis Completion date : 05.02.2025 Sample Procedure : IS 5182 (Part 02 to 26)
Analysis Starting Date : 28.01.2025 Sample registration no : RSIWMSL/24-25/01/AAQ/0035
Sampling Date : 27.01.2025 Sample description/Code : Ambient Air Quality
Sample received Date : 28.01.2025 Sample Location : Near Scissoring Room Back Side
Sub-Contracting of Tests : NA Sample Collected By : Mr.Deepak RSIWMSL Lab

Ambient Temperature: Min: 23.5° C, Max: 34.8° C
Relative Humidity: Min: 65% & Max: 86%

S.No.	Parameter	Unit	Method	Result	NAAQ Standard
1	Sulphur Dioxide as SO ₂	µg/m ³	IS: 5182-Part-2	14.6	80
2	Nitrogen Dioxide as NO ₂	µg/m ³	IS: 5182-Part-6	20.8	80
3	Particulate Matter (PM10)	µg/m ³	IS: 5182-Part-23	53.7	100
4	Particulate Matter (PM2.5)	µg/m ³	IS: 5182-Part-24	23.4	60
5	Ozone as O ₃	µg/m ³	IS: 5182-Part-9	BDL (DL: 27)	180
6	Lead as Pb	µg/m ³	IS: 5182-Part-22	BDL (DL: 1.0)	1.0
7	Carbon Monoxide as CO	mg/m ³	IS: 5182 -Part-10	1.36	4.0
8	Ammonia as NH ₃	µg/m ³	IS: 5182 -Part-25	BDL (DL: 20)	400
9	Nickel as Ni	ng/m ³	IS: 5182 -Part-26	BDL (DL: 10)	20
10	Benzene	µg/m ³	IS: 5182 - Part-11	BDL (DL: 1.0)	5.0
11	Benzo (a) Pyrene	ng/m ³	IS: 5182-Part-12	BDL (DL: 1.0)	1.0
12	Arsenic as As	ng/m ³	CPCB Manual Method	BDL (DL: 1.0)	6.0

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

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Test Report No: RSIWMSL/CONR/24-25/01/0036

NAME AND ADDRESS OF THE CLIENT	M/s. Re Sustainability IWM Solutions Ltd, BMW Division, Gummidipoondi, Tiruvallur District.
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Report Date : 05.02.2025 Sample Condition : Sample received in Good
Analysis Completion date : 05.02.2025 Sample Procedure : IS 9989: 1981
Analysis Starting Date : 28.01.2025 Sample registration no : RSIWMSL/24-25/01/Noise/0036
Sampling Date : 27.01.2025 Sample description/Code : Ambient Noise Monitoring
Sample received Date : 28.01.2025 Sample Collected By : Mr.Deepak RSIWMSL Lab
Sub-Contracting of Tests : NA

S.No.	Location	Day Time Results dB (A)	Night Time Results dB (A)
1	Near Gate	58.6	51.8
2	Near Scissoring Room	57.2	51.4
3	Near Electrical Panel CEMS Room	57.8	52.0
4	Near Incineration Stack	59.2	55.8

Note: As per CPCB Limits for Noise level is Day time is 75dB (A), Night time is 70dB (A)

Remarks:

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TEST REPORT

Test Report No: RSIWMSL/CONR/24-25/01/0037

NAME AND ADDRESS OF THE CLIENT	M/s. Re Sustainability IWM Solutions Ltd, BMW Division, Gummidipoondi, Tiruvallur District.
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Report Date : 05.02.2025 Sample Condition : Sample received in Good
 Analysis Completion date : 05.02.2025 Sample Procedure : IS:11255 & RSIWMSL/LAB_SOP_34
 Analysis Starting Date : 28.01.2025 Sample registration no : RSIWMSL/24-25/01/Stack/0037
 Sampling Date : 27.01.2025 Sample description/Code : Stack Emission- Incinerator
 Sample received Date : 28.01.2025 Sample Collected By : Mr.Deepak RSIWMSL Lab
 Sub-Contracting of Tests : NA

S.No.	Stack Details	
1	Diameter	1.0 m
2	Temperature	96°C
3	Velocity	14.23 m/sec
4	Volume of Gas Discharged	37856 Nm ³ /hr

S.No.	Parameter	Unit	Test Method	Results	CPCB Norms
1	Particulate Matter	mg/Nm ³	IS:11255 (Part-1)-1985	30.2	50
2	Oxides of Nitrogen	mg/Nm ³	IS:11255 (Part-7)-2005	93	400
3	Sulphur Dioxide	mg/Nm ³	IS:11255 (Part-2)-1985	21.8	200
4	HCL	mg/Nm ³	EPA method-26	BDL(DL:1.0)	50
5	Total Organic Carbon (TOC)	mg/Nm ³	RSIWMSL/LAB/SOP-35	6.28	20
6	Carbon Monoxides as CO	mg/Nm ³	RSIWMSL/LAB_SOP_34	72.6	100
7	Carbon Dioxide as CO ₂	%		8.6	--
8	Oxygen as O ₂	%		11.8	--

Note: BDL – Below Detection Limit, DL – Detection Limit

Remark:

- The above emission results meet the general emission standards as prescribed by CPCB.
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TEST REPORT

Test Report No: RSIWMSL/CONR/24-25/01/0038

NAME AND ADDRESS OF THE CLIENT	M/s. Re Sustainability IWM Solutions Ltd, BMW Division, Gummidipoondi, Tiruvallur District.
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Report Date : 05.02.2025 Sample Condition : Sample received in Good
 Analysis Completion date : 05.02.2025 Sample Procedure : IS:11255 & RSIWMSL/LAB_SOP_34
 Analysis Starting Date : 28.01.2025 Sample registration no : RSIWMSL/24-25/01/Stack/0038
 Sampling Date : 27.01.2025 Sample description/Code : Stack Emission- DG 125 kVA
 Sample received Date : 28.01.2025 Sample Collected By : Mr.Deepak RSIWMSL Lab
 Sub-Contracting of Tests : NA

S.No.	Stack Details	
1	Diameter	0.1 m
2	Temperature	210°C
3	Velocity	13.76m/sec
4	Volume of Gas Discharged	236Nm ³ /hr

S.No.	Parameter	Unit	Test Method	Results	CPCB Norms
1	Particulate Matter	g/kW-hr	IS:11255 (Part-1)-1985	0.08	≤ 0.2
2	Oxides of Nitrogen	g/kW-hr	IS:11255 (Part-7)-2005	0.68	≤ 4.0
3	Sulphur Dioxide	mg/Nm ³	IS:11255 (Part-2)-1985	26.8	--
4	Carbon Monoxides as CO	g/kW-hr	RSIWMSL/LAB_SOP_34	0.73	≤ 3.5
5	Carbon Dioxide as CO ₂	%		6.8	--
6	Oxygen as O ₂	%		13.8	--

Note: BDL -- Below Detection Limit, DL – Detection Limit

Remark:

- The above emission results meet the general emission standards as prescribed by CPCB.
- Test reports shall not be reproduced in full or Part without the written approval of the RSIWMSL laboratory.


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RE SUSTAINABILITY IWM SOLUTIONS LIMITED-QC LABORATORY
(A Division of Re Sustainability Limited)

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TEST REPORT

Test Report No: RSIWMSL/CONR/24-25/01/0039

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NAME AND ADDRESS OF THE CLIENT	M/s. Re Sustainability IWM Solutions Ltd, BMW Division, Gummidi Poondi, Tiruvallur District.
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Report Date : 05.02.2025 Sample Condition : Sample received in Plastic Can
Analysis Completion date : 05.02.2025 Sample Procedure : RSIWMSL/LAB_SOP-001
Analysis Starting Date : 28.01.2025 Sample registration no : RSIWMSL/24-25/01/WW/0039
Sampling Date : 27.01.2025 Sample description/Code : ETP Outlet Water
Sample received Date : 28.01.2025 Sample Location : ETP Plant
Sub-Contracting of Tests : NA Sample Collected By : Mr.Deepak RSIWMSL Lab

S. No	Parameter	Unit	Method	Results	*LIMITS As per TNPCB
1	pH @ 25°C	---	APHA 24 th EDN 4500 H ⁺ B: 2023	7.91	5.5-9.0
2	Total Suspended Solids (TSS) @ 105° C	mg/L	APHA 24 th EDN 2540 D: 2023	62	100
3	Total Dissolved Solids (TDS) @ 180° C	mg/L	APHA 24 th EDN 2540,C: 2023	1702	2100
4	Oil & Grease	mg/ L	APHA 24 th EDN 5520 B: 2023	BDL (DL:5.0)	10
5	Chemical Oxygen Demand	mg/ L	APHA 24 th EDN 5220 B:2023	86	250
6	Bio Chemical Oxygen Demand @ 27° C	mg/ L	IS : 3025 (part 44): 1993	10.8	30
7	Chloride as Cl	mg/L	APHA 24 th EDN 4500 Cl ⁻ ,B: 2023	627	1000
8	Sulphate as SO ₄ ⁻²	mg/L	APHA 24 th EDN 4500 SO ₄ ⁻² ,E : 2023	315	1000

Note: BDL – Below Detection Limit, DL – Detection Limit

Remarks:

- The above sample complies with the requirements of TNPCB standard for discharge of the effluent.
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TEST REPORT

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Test Report No: RSIWMSL/CONR/24-25/01/0040

NAME AND ADDRESS OF THE CLIENT	M/s. Re Sustainability IWM Solutions Ltd, BMW Division, Gummidipoondi, Tiruvallur District.
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Report Date : 05.02.2025 Sample Condition : Sample received in Plastic Cover
Analysis Completion date : 05.02.2025 Sample Procedure : RSIWMSL/LAB_SOP-001
Analysis Starting Date : 28.01.2025 Sample registration no : RSIWMSL/24-25/01/HW/0040
Sampling Date : 27.01.2025 Sample description/Code : Ash Sample
Sample received Date : 28.01.2025 Sample Location : Incineration Plant
Sub-Contracting of Tests : NA Sample Collected By : Mr.Deepak RSIWMSL Lab

S.NO	PARAMETER	Unit	Method	Result
1	Loss on Ignition at 550°C (Dry Basis)	%	RSIWMSL/LAB_SOP-004	2.16
2	Total Organic Carbon	%	APHA 24th Edition 5310 B:2023	0.97

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