

# **HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE (EC)**

**FOR THE PERIOD OF "OCTOBER-2024 To MARCH-2025"**

**For**

**TREATMENT, STORAGE AND DISPOSAL FACILITY (TSDF) FOR  
HAZARDOUS WASTE -DELHI**

**At**

**Plot No.-1, Sector-5, Bawana Industrial Area, Delhi -110039  
(Adjacent to Waste to Energy Plant and Pragati Power Plant)**



**Submitted to:**

1. Regional Officer (CZ), MoEF&CC, Aliganj, Lucknow. U.P.
2. Director, Ministry of Environment, Forests and Climate Change, New Delhi
3. The Secretary, Department of Environment, Government of Delhi, New Delhi
4. Central Pollution Control Board, New Delhi &
5. Delhi Pollution Control Committee, New Delhi

**Submitted by:**



**M/s RE SUSTAINABILITY IWM SOLUTIONS LIMITED**

**(Formerly Known as Tamil Nadu Waste Management Project)**

**Treatment Storage & Disposal Facility, at**

**Plot No.-1, Sector-5, Bawana Industrial Area, Delhi -110039**

**(Adjacent to Waste to Energy Plant and Pragati Power Plant)**

**Email Id- [delhi.tnwml.tsdf@resustainability.com](mailto:delhi.tnwml.tsdf@resustainability.com)**

**Ref.: RESL/TSD/EC/MoEF&CC/25-26/01**

**Date- 20.04.2025**

**To,**

**The Director, (Section IA-III),  
Ministry of Environment Forest and Climate Change,  
Indra Paryavaran Bhawan, Jor Bagh, New Delhi-110003.**

**Subject-** Submission of Half yearly Compliance Report of Environment Clearance (EC) for the period - October-2024 to March-2025.

**Ref.:-**

1. EC Letter F. No.10-60/2019-IA-III, Dated 23.11.2020

Dear Sir

This has reference to the said Environmental Clearance obtained from MoEF&CC for "Treatment, Storage and Disposal Facility (TSDF) for Hazardous Waste" at Bawana Delhi-110039, (Adjacent to the Waste to Energy and Pragati Power Plant).

We hereby submitting the Half Yearly Compliance Report of Environment Clearance (EC) along with the environment monitoring reports and respectively record data of Environmental Clearance Conditions for the period of **October-2024 to March-2025**.

This is for your kind consideration and record please.

Thanking you

**M/s RE SUSTAINABILITY IWM SOLUTIONS LIMITED**



**AUTHORIZED SIGNATORY**

**Encl: - EC Compliance Report and Annexures**

**CC-**

1. The Secretary, Department of Environment, Government of Delhi, New Delhi.
2. Deputy Director General of Forests (C), MoEF&CC, Kendriya Bhawan, Aliganj, Lucknow.
3. The Chairman, Central Pollution Control Board, New Delhi.
4. Member Secretary, Delhi Pollution Control Committee. New Delhi.
5. Sr. Environmental Engineer, Delhi Pollution Control Committee. New Delhi.
6. Monitoring Cell, MoEF&CC, Indra Paryavaran Bhawan, New Delhi.

Re Sustainability IWM Solutions Limited  
(formerly known as Tamilnadu Waste Management Limited  
and Ramky Industrial Waste Management Solutions Limited)

Site Address:

Treatment, Storage and Disposal Facility  
for Hazardous Waste, Sector-5, Bawana,  
Adjacent to Delhi MSW Solution Limited  
(Waste to Energy Plant), Delhi-110039  
CIN No. U74140TG2002PLC039702

Registered Office:

Level 11B, Aurobindo Galaxy,  
Hyderabad Knowledge City,  
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**M/s RE SUSTAINABILITY IWM SOLUTION LIMITED**  
**HALF YEARLY EC COMPLIANCE REPORT (OCOTBER- 2024 To MARCH-2025)**  
**For EC Letter No. F. No 10-60/2019-IA-III Dated 23.11.2020**

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**INTRODUCTION AND DETAILS IMPLEMENTATION STATUS OF THE PROJECT**

The Project is a Treatment Storage Disposal Facility for Hazardous Waste of **M/S RE SUSTAINABILITY IWM SOLUTIONS LIMITED** (formerly Known as M/s Tamil Nadu Waste Management Limited) located at Plot No., Sector-5 Bawana Industrial Area, Delhi (adjacent to Waste to Energy Plant and Pragati Power Plant) Delhi -110039.

**Status of Project:** - TSDF Project is in Operational condition for Hazardous waste.

1. **ENVIRONMENT CLEARANCE** - The project has obtained Environment clearance (EC) from the MoEF&CC vide Letter No. F. No 10-60/2019-IA-III, Dated 23.11.2020 under provisions of EIA Notification 2006.
2. **CONSENT TO ESTABLISH** - The Consent to establish (CTE) under the provision of Air (prevention & Control of pollution) Act 1981 and the Water (prevention & Control of pollution) Act 1974, has been obtained from Delhi Pollution control Committee (DPCC) DPCC/WMC-II/Bawana-TSDF/CTE/ 2021/4921-4929 Date of issue 31.12.2020.
3. **CONSENT TO OPERATE**- The Consent to operate (CTO) under the provision of Air (prevention & Control of pollution) Act 1981 and the Water (prevention & Control of pollution) Act 1974, has been obtained from Delhi Pollution control Committee.
  - A. DPCC/WMC-II/Bawana-TSDF/CTO/ 2021/8519-8523 Date of issue 25.11.2022
  - B. DPCC/WMC-II/Bawana-TSDF/CTO/ 2021/9031-9045 Date of issue 04.03.2022
4. **AUTHORISATION** - The projects has obtained Authorization- Grant of Authorisation under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 from Delhi Pollution control Committee (DPCC) on date 04.03.2022.
5. **LEGAL IDENTITY NAME CHANGE** - The projects has obtained Legal Identity Name Change from Delhi Pollution control Committee (DPCC) Change in name of M/s Tamil Nadu Waste Management Limited to M/s Re Sustainability IWM Solutions Limited Dated: 07.06.2023.
6. **EC TRANSFER** - The TSDF Site has obtained **Environment Clearance (EC) Transfer letter** from the MoEF&CC in name of Re Sustainability IWM Solutions Ltd. Date 18.12.2023.
7. **NOC HEIGHT** - The projects has obtained the NOC Height for **Height Clearance** for Chimney from Airport Authority of India- Date-22.07.21.
8. **FIRE NOC** - Fire Safety Certificate has been obtained from **Delhi Fire Service** for comprised of ground floors Incinerator shed, AFRF shed, & waste storage sheds, (Ground floor + first floor (Gr Floor + Admin Block & 1<sup>st</sup> Floor-Lab have complied with the Fire prevention and fire safety requirement on Date 09.09.2024.





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**LIST OF ANNEXURES**

<b>ANNEXURE No-</b>	<b>DESCRIPTION</b>
ANNEXURE-I	EC Letter, TSDF Name Change & EC Transfer Letter
ANNEXURE-II	Stack Emission Report
ANNEXURE-III	Dioxin & Furan Report
ANNEXURE-IV	Water Balance Chart
ANNEXURE-V	Noise Monitoring Report
ANNEXURE-VI	Workers Wearing PPE's
ANNEXURE-VII	Plantation Photographs
ANNEXURE-VIII	Delhi Jal Board Application
ANNEXURE-IX	Ground Water Quality Report & Trend Analysis Report
ANNEXURE-X	Ambient Air Monitoring Reports
ANNEXURE-XI	Letter Of Disaster Management Plan
ANNEXURE-XII	CSR Activity And Photographs
ANNEXURE-XIII	Site Specific Conservation Plan & Wildlife Management Plan Submission Copy
ANNEXURE-XIV	CPCB Protocol (Annexure-IV) Submission Copy
ANNEXURE-XV	Permanent Electricity Connection
ANNEXURE-XVI	NOC For Chimney & Fire NOC
ANNEXURE-XVII	Online Continuous Emission Monitoring System CEMS
ANNEXURE-XVIII	Online Continuous Ambient Air Quality Monitoring System CAAQMS
ANNEXURE-XIX	Stack Sampling Photographs
ANNEXURE-XX	Dioxin & Furan Test Report
ANNEXURE-XXI	Delhi Jal Board Follow up Letter
ANNEXURE-XXII	ETP inlet/Outlet Water Analysis report
ANNEXURE-XXIII	Spillage Kits
ANNEXURE-XXIV	DG Monitoring Report And Photographs
ANNEXURE-XXV	Soil Monitoring Reports
ANNEXURE-XXVI	Employee Health Check Up Data
ANNEXURE-XXVII	EC Advertisement In Delhi Newspaper Date- 26 <sup>th</sup> Nov 2020,
ANNEXURE XXVIII	EC Letter Submission to Authorities
ANNEXURE-XXIX	Submission Copy of EC Compliance (Acknowledgement)
ANNEXURE-XXX	Submission Copy of Environmental Statement
ANNEXURE-XXXI	Budget For Environment Management Plan
ANNEXURE-XXXII	Digital Environment Data Display



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**GENERAL INFORMATION**

<b>Name and Address of TSDF</b>	<b>M/s RE SUSTAINABILITY IWM SOLUTIONS LIMITED</b> (Formerly Known as Tamil Nadu Waste Management Project) c, at Plot No.-1, Sector-5, Bawana Industrial Area, Narela, Delhi (adjust to Waste to Energy Plan and Pragati Power Plant) <b>Annexure -I TSDF Name Change and EC Transfer Letter</b>
<b>Contact Person</b> <b>Telephone No.</b>  <b>Mobile No.</b>  <b>E-mail –Project Head</b>	Mr. Ajay Kishor  7856902705  <a href="mailto:ajay.kishor@resustainability.com">ajay.kishor@resustainability.com</a>
<b>Environment Management Cell with E-mails</b> Project Head  Laboratory Head (Deputy Manager)  Mobile No.  H R (Senior Assistant Manager)  Mobile No.	Mr. Ajay Kishor <a href="mailto:ajay.kishor@resustainability.com">ajay.kishor@resustainability.com</a>  Mr. Mohammed Afzal <a href="mailto:afzal.mohammed@resustainability.com">afzal.mohammed@resustainability.com</a>  <a href="tel:7877333990">7877333990</a>  Mr. Arvind Kumar Singh <a href="mailto:arvindkumar.singh@resustainability.com">arvindkumar.singh@resustainability.com</a>  9113797866

**STRUCTURAL ENVIRONMENT MANAGEMENT CELL**

S. No.	Name of Members	Designation	Qualification	Date of Joining
1.	Mr. Ajay Kishor	Project Head	M.A.	19.08.2019
2.	Mr. Mohammed Afzal	Deputy Manager Technical	M.Sc. Env. Science & M.Sc. Biotechnology	07.06.2021
3.	Mr. Rahul Kumar Singh	MBD Head	B.E. & MBA	01.09.2021
4.	Mr. Arvind Kumar Singh	Sr. Assistant Manager (HR)	BCA	20.10.2020
5.	Hemant Yadav	Sr. Assistant Manager	B. Tech.	09.11.2020
6.	Pankaj Gautam	Assistant Manager	M.Sc. Env. Science	17.10.2022



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<b>A - SPECIFIC CONDITIONS:</b>		
<b>S. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
I.	The Environmental Clearance to the project is primarily under provisions of EIA Notification 2006. The project proponent is under obligation to obtain approvals/Clearance under any other Acts/Regulations or Statues as applicable to the project.	<p><b><u>Environmental Clearance</u></b> -  EC Vide Letter No. F. No. 10-60 / 2019-IA-III, Dated 23.11.2020</p> <p><b><u>EC Transfer Letter</u></b> - F. No. 10-60/2019-IA-III, dated 18.12.2023 in name of Re Sustainability IWM Solutions Ltd.  Application- MoEF&amp;CC vide proposal number - IA/DL/INFRA2/433883/2023 dated 19/06/2023</p> <p><b><u>Consent to Establish- (CTE)</u></b> -  DPCC / WMC-II / Bawana-TSDF / CTE / 2021 / 4921-4929 Date of issue 31.12.2020  Valid up to - 07.12.2021</p> <p><b><u>Consent to Operate (CTO)</u></b> -  1. DPCC / WMC-II / Bawana-TSDF / CTO / 2021 / 8519-8523 Date of issue 25.11.2021 Valid up to - 23.02.2022  2. DPCC/WMC-II/Bawana-TSDF/CTO/ 2021/9031-9045 Date of issue 04.03.2022 Valid up to - 23.02.2026</p> <p><b><u>Authorization</u></b>- HWM Authorisation No. - DPCC/WMC-II/Bawana-TSDF/2021/9046-9054 Date of issue 04.03.2022 Valid up to - 23.02.2026</p> <p><b><u>Legal Identity Name Change</u></b> - DPCC/WMC-II/Bawana TSDF/ 2020/4525-4529 Change in name of M/s Tamil Nadu Waste Management Limited to M/s Re Sustainability IWM Solutions Limited Dated: 07.06.2023</p> <p><b><u>Fire NOC</u></b>- No-F/DFS/MS/2024/WZ/550 Date of issue 09.09.2024 Valid up to - 08.09.2027</p> <p><b><u>Height NOC for Stack Chimney</u></b> - AAI/RH2/NR/ATM/NOC/./2021/237/997-1000 Date of issue -22.07.21 Valid up to 21.07.29</p>
II.	The Facility is for Treatment Storage and Disposal Hazardous and other domestic hazardous waste. As proposed, only these type of wastes shall be collected and treated at the facilities to be developed subject to the authorization by the concerned State	<p>Noted &amp; Complied</p> <p>The TSDF Facility is providing mainly land fillable and Incineration waste. The TSDF is having is serving 2011 members organization including 13 CETPs. These member organizations the waste of Delhi</p>



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	Authorities. No other wastes which are not authorized by Government of NCT of Delhi shall be collected for treatment and disposal at the facility.	locations is only being disposed at this TSDF Facility
III.	As proposed, the gases coming out of the incinerator stack shall be passed through scrubber, multi cyclone and bag filters for the removal of particulates. For proper dispersion of SO <sub>2</sub> and NO <sub>x</sub> emissions into atmosphere, incinerator stack height meeting MoEF&CC/CPCB guidelines will be provided.	<p>Complied</p> <p>The Incinerator Stack Height is being maintained - 35m as per designed and provisions of CWH CPCB Guideline.</p> <p>The gas from incinerator of Capacity - 500kg/hr is passed through advanced Air Pollution Control system which comprises of the following :</p> <ol style="list-style-type: none"> <li>1. Spray Drier (Venturi scrubber) -01 No.</li> <li>2. Twin Cyclone - 02 No.</li> <li>3. Lime Activated Carbon-01 No.</li> <li>4. Bag House -02 No.</li> <li>5. Gas quencher-01 No.</li> <li>6. Wet Scrubber-01 No.</li> </ol> <p><b>Annexure-II Stack Report is enclosed</b></p>
IV.	To prevent the formation of dioxins, the flue gas temperature shall be rapidly lowered from 500°C to less than 200°C by adopting rapid quench/catalyst/adsorption by activated carbon.	<p>Complied</p> <p>Site is following the cooling mechanism 90% water and 10% TDS water.</p> <p>Gases are rapidly cooled by using TDS Water, to prevent the formation of dioxins, the flue gas temperature shall be rapidly lowered from 500°C to less than 200°C.</p> <p><b>Annexure-III Dioxin and Furan Test Report</b></p>
V.	The domestic wastewater generated shall be treated in septic Tank. The wastewater generated from floor washing, recycling activity etc., shall be collected in collection sump and treated for removal of contaminated oil in skimmers so as to neutralize the same and settled in settling tank to remove suspended matter. The wastewater generated from boiler and cooling tower shall be used in ash quenching. There will not be any wastewater discharge to any nearby water body and adopts the zero-wastewater discharge concept.	<p>Complied</p> <p>The domestic waste water generation is almost negligible at site and is being treated in septic tank of Capacity - 20 KL (5 Nos.)</p> <p>Waste water generated from incinerator RC Tank which being used in Spray Dryer to control the flue gas temperature.</p> <p><b>Annexure- IV</b> Water Balance Chart</p>
VI.	The Ash coming from the incinerator and power plant will be used as a daily cover for landfill along with soil and mud. The municipal solid waste generated inside the facility may be transferred to the nearest municipal facility.	<p>Complied.</p> <p>TSDF Site is using the Ash (generated from the incinerator) to cover the Landfill along with soil.</p> <p>Quantity - Month wise or Six Monthly</p>





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		<table><tr><th>Month</th><th>Quantity MT</th></tr><tr><td>October-24</td><td>10.38</td></tr><tr><td>November -24</td><td>1.38</td></tr><tr><td>December-24</td><td>1.09</td></tr><tr><td>January -25</td><td>2.86</td></tr><tr><td>February-25</td><td>3.66</td></tr><tr><td>March-25</td><td>2.95</td></tr></table>	Month	Quantity MT	October-24	10.38	November -24	1.38	December-24	1.09	January -25	2.86	February-25	3.66	March-25	2.95
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VII.	Noise level specification of various equipment's per the Occupational Safety and Health Association (OSHA) standards.	Noted & Complied. Noise level measurement is Monthly by laboratory-and third party Lab Recognised by NABL/MoEF&CC also. <b>Annexure V-Noise Monitoring Report</b>														
VIII.	Employees will be provided with PPE like ear plugs, helmets, safety shoes etc.	Complied As per guideline all PPE and related safety equipment's is being provided to employees and all safety related instructions has been adequately displayed at site. <b>Annexure- VI</b> <b>Photographs Workers wearing the PPE</b>														
IX.	Sufficient green belt will be developed to form a surface capable of sorbing and forming sink for adorous gases.	Noted & Complied. Total premises area is 14.0 Acres and acquired no of plants and area is around 4 Acres with 11,150 Nos. of trees and grasses on Landscaping areas. <b>Annexure -VII Plantation Photographs</b>														
X.	It shall be ensured that all the project operations/activities shall be carried out under the best management practices.	Noted & Complied The disposal of waste is being done with prior comprehensive analysis testing and following the Standard Operational SOP/Manual of Landfill management which segregates the landfill in 30 broad areas and their respective treatment with multiple appropriate recipes. This process is vary exhaustive analysis on multiple parameters and related analysis.														
XI.	All possible measures shall be adopted for odour contour shall be controlled by providing proper ventilation in the site, spraying ecosorb (organic and biodegradable chemical) around odour generation areas at regular intervals and by developing greenbelt with odour control species.	Noted & Complied. Site is using mainly Stabilizing reagents (Lime, Cement, Sodium Sulphate, Acids etc.) to control the odour and Fugitive Emission System is being deployed for Stabilization of the critical waste. Site is also using the water sprinkler for dust suppressor on the landfill.														



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XII.	Fresh water of 2.0 KLD will be met from DMSWL facility /Tanker water supply. No ground water abstraction shall be done at site.	<p>Noted &amp; Complied</p> <p>TSDF is maintaining the Zero Liquid Discharge through ETP &amp; RO</p> <p>Site is using the water from Tanker supply only and there is no ground water abstraction. The water consumption for last 6 months as shown in table below</p> <table><tr><th>Month</th><th>Quantity KL/Month</th></tr><tr><td>October-24</td><td>48</td></tr><tr><td>November -24</td><td>48</td></tr><tr><td>December-24</td><td>48</td></tr><tr><td>January -25</td><td>48</td></tr><tr><td>February-25</td><td>48</td></tr><tr><td>March-25</td><td>48</td></tr></table>	Month	Quantity KL/Month	October-24	48	November -24	48	December-24	48	January -25	48	February-25	48	March-25	48
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March-25	48															
XIII.	Waste water generated is expected from landfill as leachate, discharges form operating equipment like incinerator which will be treated in waste water treatment plant and recycled to facility. No wastewater treated water shall be discharged from the facility.	<p>Noted &amp; Complied</p> <p>It is ensure that no waste/treated water is discharged outside the premises.</p> <p>Waste water generated from wheel wash (vehicle) and Landfill Leachate is treated in 5 KLD ETP Plant followed by RO. And recycled and Waste water generated from RC Tank which being used in Spray Dryer to control the flue gas temperature.</p>														
XIV.	The project proponent should ensure that the facility fulfils all the provisions of Hazardous and other Waste (Management and Transboundary Movement) Rules-2016 & the Protocol for “Performance Evaluation and Monitoring’ for the same as published by the CPCB.	<p>Noted &amp; Complied.</p> <p>The waste being lifted from the member organization of Delhi only and is being bought to site directly with stream precautions as required and being disposed at the earliest / within stipulated time frame.</p>														
XV.	Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board/ CPCB. Periodical ground water/soil monitoring to check the contamination in and around the site shall be carried out.	<p>Noted &amp; will be Complied</p> <p>There are 4 Number of Piezometer wells proposed as per EIA/EMP. Site has applied for piezometer well application to Delhi Jal Board. Challan Number- 798772 Date 21.02.24</p> <p>Follow-up letter submitted to Authorities on date 18.03.24</p> <p><b>Annexure-VIII Application Follow-up letter</b></p>														



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XVI.	Trend Analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.	Complied. Trend Analysis of 3 ground water samples carried out each season and submitted to CPCB, DPCC & Regional office of MoEF&CC. <b>Annexure-IX</b> Third Party Ground Water Report attached and Trend Analysis Report																																																																																		
XVII.	Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations. On-line real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.	Complied. Ambient Air quality data is being collected at 1. Near Entry Security Gate (AAQ-1), 2 Near Stabilization Shed (AAQ-2) 3. Near Incinerator (AAQ-3) 4. Near Exit Security Gate (AAQ-4) locations (Name) in the existing site. The quality is conforming to the standard as specified in the NAAQS. <b>Annexure-X Ambient Air Quality Monitoring Report</b>																																																																																		
<b>Third Party Ambient Air Quality Data – 16-17<sup>th</sup> March 2025</b>																																																																																				
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VIII.	As proposed, as area of 28430 sqm (7.03 Acres) shall be provided for Open space/Green belt/miscellaneous. Green belt shall be developed in area of the proposed facility with native species (as per CPCB guidelines). It shall be ensured that all the trees and other plantation within facility do not in any way encourage the incorporation of toxic materials in the food chain.	Noted & Complied Greenbelt Area – 18,683sqm (4.61 Acres) The open space area 9,874 (2.44 Acres) The landscaping of the landfill and the open area has been provided to give an excellent view to the TSDF facility around 11,150 tress of different species has been planted in the site.																																																																																		



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XIX.	<p>As proposed onsite and offsite disaster management plan shall be operationalized in consultation with district level authority in order to minimize the hazards to human health or environment from fires explosions or any unplanned sudden or continuous release of hazardous waste or hazardous waste constituents to air, soil, or surface water.</p>	<p>Noted &amp; will be Complied  Regular mock drills is being carried out to train the operation team members. Last Such mock drill was carried out on date  The onsite and off-site disaster management plan available at site.  Disaster Management Plan for TSDF for Hazardous Waste submitted to Delhi Disaster Management Plan  Ref- WML/SDM/DDMA/DMP/2022/01/01  Date 15.02.2022  <b>Annexure XI Letter receiving copy</b></p>																	
XX.	<p>As proposed by the PP in EAC meeting, Rs. 0.48 Crores (@ 2% of project Cost) shall be earmarked for the activities such as Health check-up for communities in the nearby localities and distribution of medicines to the needy, Donation of computers, note books, other need based education materials, provision of potable drinking water and improving sanitation in local schools, Avenue Plantation and other Plantation drives during World Environment Day in the nearby localities, Women empowerment initiative for SHGs, Skill Development Training and Installation of Solar Lights. These activities shall be a part of Environment Management Plan (EMP) and restricted to the affected area around the project.</p>	<p>Noted &amp; will be Complied  we have spent around Rs.0.28Cr. during the FY-23-24-25 and remaining will be spent in F 25-26 for the multiple activities in the different FY</p> <table border="1" data-bbox="847 925 1463 1630"> <thead> <tr> <th>FY</th><th>Activity</th><th>Amount in Cr (Rs.)</th></tr> </thead> <tbody> <tr> <td rowspan="5">25-26</td><td>Education</td><td>0.04</td></tr> <tr> <td>Natural Resource Management</td><td>0.05</td></tr> <tr> <td>Skill Development</td><td>0.017</td></tr> <tr> <td>Rural Development</td><td>0.06</td></tr> <tr> <td>Health</td><td>0.04</td></tr> <tr> <td></td><td><b>Total</b></td><td><b>0.207</b></td></tr> </tbody> </table> <p>Remaining activities in progress.  <b>Annexure XII CSR Budget for FY 25-26</b></p>	FY	Activity	Amount in Cr (Rs.)	25-26	Education	0.04	Natural Resource Management	0.05	Skill Development	0.017	Rural Development	0.06	Health	0.04		<b>Total</b>	<b>0.207</b>
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<b>B. Standard Conditions:</b>		
<b>I.</b>	<b>Statutory compliance:</b>	<b>Compliance Status</b>
i.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable, as this land is earmarked in MPD 2021 for Solid Waste Management Total Land is 67.9112 Ha. Out of 14 Acre is for TSDF. No sanctuary around 10km radius of the site
ii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).	Site-Specific Conservation Plan / Wildlife Management Plan for schedule-I species submitted to Authorities for Approval on dated -09.04.2025  <b>Annexure XIII</b> - Site-Specific Conservation Plan Submission Copy
iii.	The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.	Noted and Complied TSDF Site is serving member organization of Delhi only. However, we have been receiving request of the nearby industrial areas of Haryana (Sonipat, Panipat, Kundli, Bahadurgarh & Faridabad, Gurgaon etc.) and UP (Noida and Ghaziabad etc.). Will be expediting such initiatives to ease this concern.
iv.	The project proponents shall adhere to all conditions as prescribed in the Protocol for Performance Evaluation 'and Monitoring of the Common Hazardous waste treatment, storage and disposal facilities' published by the CPCB in May, 2010.	Complied TSDF is following CPCB Guideline : Protocol for Performance Evaluation 'and Monitoring of the Common Hazardous waste treatment, storage and disposal facilities <b>Annexure XIV</b> CPCB Protocol Annexure - IV Submission (01 <sup>st</sup> January 2025 to 31 <sup>st</sup> March 2025)- Date 19.05.25
v.	Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.	Incinerator of Capacity 500 kg/hr. is designed as per CPCB Guideline with proper Air Pollution Control Devices (APCD) mechanism. The degree of difficulty faced is to ensure running for



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		more duration.
vi.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.	No ground water extraction required for this project operations. Not applicable in our case.
vii.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Complied Permanent connection from Tata Power Delhi Distribution Ltd. (11 KVA Line with Contract demand of 276 KW). However, PNG Connection from GAIL authority India Limited is available at site. <b>Annexure-XV</b> Tata Power Delhi Distribution Ltd. & GAIL PNG bill is attached for active connection reference.
iii.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.	Complied <b>Fire NOC-</b> No-F/DFS/MS/2024/WZ/550 Date 09.09.2024 Valid up to - 08.09.2027 <b>Height NOC for Stack-</b> AAI/RH2/NR/ATM/NOC/./2021/237/99 7-1000 Date-22.07.21 Valid up to 21.07.29 TSSF Site is not using Diesel. <b>Annexure-XVI Fire NOC and NOC for Height</b>



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<b>B. Standard Conditions:</b>		
<b>I.</b>	<b>Air quality monitoring and preservation:</b>	<b>Compliance Status</b>
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied Continuous emission monitoring system is installed and connected to CPCB server. Calibration is done according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories as per CPCB guidelines. <b>Annexure-XVII Data Integration Details</b>
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Noted & will be Complied. Ambient air quality including fugitive emissions are monitored through NABL approved Laboratory and Continuous Ambient Air Quality Monitoring Stations (CAAQMS).
iii.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM <sub>10</sub> and PM <sub>2.5</sub> in reference to PM emission, and SO <sub>2</sub> and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.	Noted & Complied 1. One installed in TSDF Premises (Above Lab Building) Nearby TSDF (Receiving inputs 03 Locations) 2. Near site – DMSWL Plant 3. Pragati Power Plant 4. Bawana Valmiki Hospital All CAAQMSs are near to TSDF with continuous connectivity to CPCB/ DPCC servers. <b>Annexure-XVIII Data Integration</b>
iv.	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Noted & Complied The platform for stack sampling facility is provided at 20 m of stack. <b>Annexure XIX: Photograph attached.</b>
v.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Complied TSDF is submitting the Monthly Report to DPCC / CPCB and Regional Office of MoEF&CC



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vi.	Appropriate Air Pollution Control (As proposed, air pollution control device viz. gas quencher; treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any); bag filter/ESP for removal of particulate matter; venturi scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas; and demister column for arresting water carry over will be provided to the incinerator) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Complied Number of APCD 1. Spray Dryer (Venturi scrubber)-1 2. Twin Cyclone - 2 3. Dry Scrubber Lime Activated Carbon-1 4. Bag House -2 5. Gas quencher-1 6. Wet Scrubber-1 7. I.D. Fan 8. Chimney 9. Gases are rapidly cooled by using TDS Water, In a spray cooler spray dryer feed is included
vii.	The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out. Analysis of Dioxins and Furans shall be done through CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.	Complied The periodical monitoring of Dioxins and Furans is being carried out by NABL Accredited Lab (Fare lab) & All test results under prescribe Limit as per Specification as Per MOEF Notification Date 26th June 2008 for Common Hazardous Waste (Incinerator)* <b>Annexure- XX</b> Dioxins and Furans Monitoring Report
viii.	Gas generated in the Land fill should be properly collected, monitored and flared.	Noted & will be Complied The gas generated in the Landfill will be collected and monitored after Landfill Capping.
ix.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 02 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 02 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Noted & will be Complied  The TSDF is located in the Sector 05 Bawana, Delhi which has well developed infrastructure of Road and urban facilities. The roads are developed till the main gate of TSDF. No traffic issue is envisaged.





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<b>II. Water quality monitoring and preservation:</b>		
<b>S. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
i.	The project proponent shall install continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Complied TSDF has installed Effluent analyzer and connected to CPCB and GPCB servers. Online monitoring system is calibrated as per CPCB guidelines and equipment s are being calibrated by supplier; <b>Annexure-XVII Data Integration</b>
ii.	Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board / CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.	Noted & will be complied Application submitted Delhi Jal Board for 4 Number of Piezometer wells as per EIA/EMP. Application - Delhi Jal Board/Challan 798772 Date 21.02.24. Follow-up letter submitted to Authorities on date 18.03.24 Ground Water quality is monitored at identified locations through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories. <b>Annexure XXI Follow-up letter and Trend Analysis of water Report</b>
iii.	The project proponent shall submit monthly effluent monitoring report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Noted & complied. TSDF Site is submitting the monthly report to Regional Office of MoEF&CC, CPCB & DPCC. Monthly Summary Report are enclosed: a. Continuous Effluent Monitoring Report. b. Effluent Test Report. Ground Water Quality Report. <b>Annexure XXII: ETP Water Test Summary Report</b>
iv.	No discharge in nearby river(s) /pond(s).	Not Applicable
v.	The depth of the land fill site shall be decided based on the ground water table at the site.	Complied The site falls in Narela block. As per our EIA/EMP report the CGWB, Groundwater levels of around 10m has been duly considered during the construction of the Landfills. And Landfill Depth 7 meter



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vi.	The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.	Complied TSDF is following the standard waste handling procedure. The Liquid waste is being handled at dedicated Liquid Shed. The Liquid waste is being transported in closed/Cans of narrow mouth drums. The Forklift with proper loading /unloading arrangement is being used for drums management. Spillage Kits available at site. <b>Annexure- XXIII Spillage Kit</b>		
vii.	All leachates arising from premises should be collected and treated in the ETP followed by RO. RO rejects shall be evaporated in MEE. Toxicity Characteristic Leaching Procedure (TCLP) test to be performed on leachates.	Complied ETP followed by RO installed at Site 5 KLD near Wheel Wash area & 8 KLD near Incinerator Area. <b>Table- Leachate TCLP Test Report</b>		
<b>Table- Toxicity Characteristic Leaching Procedure (TCLP) Result</b>				
S. No.	Parameter	Unit	Result	CPCB limit for DLF disposal
<b>Toxicity Characteristics Leaching Procedure (TCLP)</b>				
1.	Arsenic as As	mg/L	ND	5.0
2.	Hexavalent Chromium as Cr <sup>6+</sup>	mg/L	BDL	5.0
3.	Zinc as Zn	mg/L	BDL	250.0
4.	Lead as Pb	mg/L	BDL	5.0
5.	Copper as Cu	mg/L	BDL	25.0
6.	Cadmium as Cd	mg/L	BDL	1.0
7.	Total Chromium as Cr	mg/L	BDL	5.0
8.	Nickel as Ni	mg/L	BDL	20.0
9.	Mercury as Hg	mg/L	ND	<0.2
viii.	The Company shall review the unit operations provided for the treatment of effluents, specially the sequencing of MEE after tertiary treatment the source of permeate when no R.O. is recommended and the treatment of MEE condensate. The scheme for treatment of effluents shall be as permitted by the Pollution Control Board/Committee under the provisions of consent to establish.	Noted & Complied TSDF maintain unit operations for the CEQMS and CEMS Regularly. AMC Visit Minutes of Meeting of minutes service vendors.		

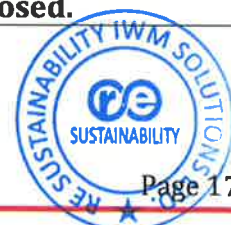


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ix.	Scrubber water, leachate water or wheel wash effluent shall be treated in the effluent treatment plant followed by RO to achieve zero liquid discharge.	Complied Leachate water & wheel wash effluent is treated by ETP followed by RO installed at Site 5 KLD ETP near Wheel Wash area.
x.	Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.	Noted & Complied. Fresh water limit is 2 KL/day is more than sufficient for this TSDF.
xi.	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.	Noted & Complied At TSDF Site there are total number 25 Employee and 3 Nos of septic constructed and functional & Septic tank followed by Soak Pit installed.
xii.	A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.	No effluent discharge in the Public sewer/ disposal / drainage systems
xiii.	Rain water runoff from hazardous waste storage area shall be collected and treated in the effluent treatment plant.	Complied 6 Number of Harvesting PIT and Capacity-10KL and FFRP is available at site, Rain water runoff collected in this.

**III. Noise monitoring and prevention:**

i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Complied Noise level monitoring is being carried out as per prescribed guideline at site. <b>Annexure V Third party monitoring report</b>
ii.	The ambient noise levels should confirm to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Complied Noise level measurement is carried Third party recognized laboratory-twice a season and monthly monitoring done by RESIL Lab. <b>Annexure V Reports by Third-Party lab is attached for reference</b>
iii.	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Complied DG of 380 KVA with proper acoustic enclosure is being kept in the standby mode. As per our experience, it is not put in use as electricity and PNG supply is satisfactory. However, DG fitted with CPCB Guideline is retrofitted also. <b>Annexure-XXIV- Photograph &amp; DG Noise Report enclosed.</b>



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**IV. Energy Conservation measures:**

i.	Energy conservation measures like installation of LED/CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.	Complied  As this is a new site, TSDF Site is using LED lights, lights with sensors are also installed as a step towards energy conservation.
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**V. Waste management:**

S. No.	Conditions	Compliance Status
i.	The TSDF should only handle the waste generated from the member units.	TSDF is collecting the waste from member industries of Delhi only.
ii.	Periodical soil monitoring to check the contamination in and around the site shall be carried out.	Complied Periodical soil monitoring is being carried out monthly basis near the project site and out site the project site-Agri Land and is being submitted to MoEF&CC. CPCB & DPCC also. <b>Annexure XXV- Third Party Soil Report</b>
iii.	The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.	Complied The permission is of 90 days as per guidelines/authorisation: DLF/LAT waste material is normally disposed in 2-3 days. While, INC material is being stored for 03 weeks and based on schedule disposed with a month.
iv.	The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	Complied
v.	A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.	No significant Municipal solid waste generated from this TSDF working.
vi.	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.	No major demolition envisaged for this project at this stage.





**M/s RE SUSTAINABILITY IWM SOLUTION LIMITED**  
**HALF YEARLY EC COMPLIANCE REPORT (OCTOBER- 2024 To MARCH-2025)**  
**For EC Letter No. F. No 10-60/2019-IA-III Dated 23.11.2020**

<b>VI. Green Belt Development</b>		
i.	Green belt shall be developed in an area as provided in project details, with native tree species in accordance with Forest Department. The greenbelt shall inter alia cover the entire periphery of the project site.	Complied Total premises area is 14.0 Acres and acquired 11,150 no. of planted area is around 4 Acres with trees and grasses on Landscaping areas.
ii.	Top soil shall be separately stored and used in the development of green belt.	Noted & Complied TSDF has stored the top soil which being used in Greenbelt development.
<b>VII. Public hearing and Human health issues:</b>		
i.	Traffic congestion near the entry and exit points from the roads adjoining the project site shall be avoided. Parking should be fully internalized and no public space should be utilized.	Noted & Complied This TSDF is in the designated area with proper infrastructure nearby. The entry and exit point has multiple access roads. No such issue exists.
ii.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted & Complied Process of HIRA and Disaster Management plan is prepared for existing operations.
iii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied No housing facility within site, as readily housing societies are available nearby in abundance. During Construction mobile Toilets, Health care, drinking water (RO) etc. was provided.
iv.	Occupational health surveillance of the workers shall be done on a regular basis.	Complied TSDF has established procedures and formats as per ISO 45001:2018 for occupational health management system. The Periodic Health check-up is carried on yearly basis. Last checkup done on Date 26.09.24 <b>Annexure XXVI- Health Checkup photo attached.</b>



**M/s RE SUSTAINABILITY IWM SOLUTION LIMITED**  
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**For EC Letter No. F. No 10-60/2019-IA-III Dated 23.11.2020**

<b>VIII. Miscellaneous:</b>		
<b>S. No.</b>	<b>Conditions</b>	<b>Compliance Status</b>
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied The advertisement has been published in local newspapers and in national newspaper 1. The Pioneer, English Newspaper published on date 26.11.20. 2. Danik Savera Times, Hindi Newspaper Date- 26.11.20 <b>Annexure-XXVII Advertisement</b>
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied TSDF Site has submitted Copies of environment clearance has been submitted to CPCB, DPCC, DSIISC, District magistrate-Govt. of NCT-Delhi / Commissioner of Municipal Corporation Delhi), Commissioner of Industries- Govt. of NCT-Delhi, DDA, Vide/ letter no.: TNWML/EC/MISC./01, Date 30-11-20 <b>Annexure-XXVIII Letter Attached</b>
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied TSDF Site uploaded/submitted six monthly report on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective and submitted to Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. Status of compliance is uploaded on Company's Web-portal.
iv.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied Six monthly compliance report Hard Copy submitted of MoEF&CC, and Hard copy also submitted to DPCC, CPCB. <b>Half Yearly Compliance Report 2024-25 (01<sup>st</sup> October 2025 - 31<sup>st</sup> March 2025)</b> has been uploaded on Web portal of MoEF&CC on date 10.04.2025 <b>Annexure-XXIX Submission Copy</b>



**M/s RE SUSTAINABILITY IWM SOLUTION LIMITED**  
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v.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	<div>Complied</div> <table><thead><tr><th>Form-V FY</th><th>Date of Submission</th></tr></thead><tbody><tr><td>FY 21-22</td><td>16.11.2022</td></tr><tr><td>FY 22-23</td><td>05.05.2025</td></tr><tr><td>FY 23-24</td><td>01.05.2024</td></tr><tr><td>FY 24-25</td><td>19.05.2025</td></tr></tbody></table> <div>Annexure-XXX Form-V Submission</div>	Form-V FY	Date of Submission	FY 21-22	16.11.2022	FY 22-23	05.05.2025	FY 23-24	01.05.2024	FY 24-25	19.05.2025
Form-V FY	Date of Submission											
FY 21-22	16.11.2022											
FY 22-23	05.05.2025											
FY 23-24	01.05.2024											
FY 24-25	19.05.2025											
vi.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	<div>TSDF has a well laid down Safety Health and Environment Policy. Copy of Safety, Health and Environment Policy signed by the Management of Company is being submitted along with six-monthly compliance status report.</div> <div>Requirements of Environmental regulations are included in Legal Compliance Management System.</div> <div>Separate Environmental Cell is part of Environment Management System (ISO14001:2015).</div>										
vii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	<div>Complied</div> <div>Details placed below of Environmental Cell of TSDF Delhi</div>										

STRUCTURAL ENVIRONMENT MANAGEMENT CELL		
Name of Members	Designation	Qualification
Mr. Ajay Kishor	Project Head	M.A.
Mr. Mohammed Afzal	Deputy Manager Technical	M.Sc. Environmental. Science & M.Sc. Biotechnology
Mr. Rahul Kumar Singh	MBD Head	B.E. & MBA
Mr. Arvind Kumar Singh	Sr. Assistant Manager (HR)	BCA
Hemant Yadav	Sr. Assistant Manager	B. Tech.
Pankaj Gautam	Assistant Manager	M.Sc. Environmental. Science



**M/s RE SUSTAINABILITY IWM SOLUTION LIMITED**  
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viii.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly	<p>Complied</p> <p>1. The Company has implemented the Action Plan as proposed in EMPs:</p> <p>a. Upgradation of Air Pollution Control Systems as per revised emission norms</p> <p>b. Online Monitoring System</p> <p>c. Development of Greenbelt in plant periphery</p> <p>2. Responsibility matrix of company is prepared as per ISO 14001:2015 and approved by the Management Representative.</p> <p>3. Year wise funds are earmarked for environmental protection measures Separate accounts are maintained for environmental projects.</p> <p><b>Annexure-XXXI</b> Budget for implementation of environmental management plan</p>
ix.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	<p>Noted and will be Complied.</p> <p>Yearly self-audit done with last year date on. Third party audit is in being organized shortly.</p> <p>Internal and External audits are conducted as per ISO Standards 9001, 14001 and 45001.</p>
x.	The criteria pollutant levels namely; PM <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	<p>Complied</p> <p>Digital Environmental display board has been provided at the main gate of the TSDF which continuously displays Environmental parameters monitored.</p> <p><b>Annexure-XXXII Display Board</b></p>
xi.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	<p>Complied</p> <p>The project authorities must strictly adhere to the</p>
xii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	<p>Complied</p> <p>Noted &amp; Complied the terms as mentioned in the CTO's. Company has adhered to the stipulations made by DPCC.</p>





**M/s RE SUSTAINABILITY IWM SOLUTION LIMITED**  
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xiii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted & Complied
xiv.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Complied Noted. Expansion or modifications in the plant shall be carried out as per EC approval of the Ministry of Environment, Forest and Climate Change If there is any further expansion the concerned authorities shall be intimated accordingly.
xv.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted. The timely factual data is being provided.
xvi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xvii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
xviii.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information /monitoring reports.	Noted.
xix.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.	Noted.



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i.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
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This is for your kind information and necessary action.

**FOR RE SUSTAINABILITY IWM SOLUTIONS LIMITED.**



**AUTHORISED SIGNATORY**

**(AJAY KISHOR)**

**DATE - 20. 04. 2025**







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TC-6814

## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-180325-01	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample Drawn On	: 16/03/2025 to 17/03/2025
Sample Drawn By	: NTL Representative
Sample Description	: Ambient Air
Sampling Location	: Near Security Gate
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 18/03/2025 to 22/03/2025
Average Flow Rate of SPM (m <sup>3</sup> /min.)	: 1.12
Average Flow Rate of Gases (lpm)	: 1.0
Sampling Instrument Used	: Respirable Dust Sampler (PM <sub>10</sub> ), Fine Particulate (PM <sub>2.5</sub> ) Sampler
Weather Condition	: Clear

### TEST RESULT

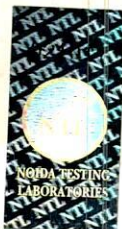
S.No	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM <sub>10</sub> )	IS:5182 Part-XXIII	94.21	µg /m <sup>3</sup>	100.0
2.	Particulate Matter (PM <sub>2.5</sub> )	NAAQMS/36 Vol-1, CPCB	52.18	µg /m <sup>3</sup>	60.0
3.	Sulphur dioxide (SO <sub>2</sub> )	IS:5182 Part-II	10.36	µg /m <sup>3</sup>	80.0
4.	Nitrogen dioxide (NO <sub>2</sub> )	IS:5182 Part-VI	14.02	µg /m <sup>3</sup>	80
5.	Carbon monoxide (CO)	NIOSH 6604	< 1.15	mg/m <sup>3</sup>	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m <sup>3</sup>	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<10.0	ng /m <sup>3</sup>	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m <sup>3</sup>	6.0
9.	Ozone (as O <sub>3</sub> )	IS:5182 Part-IX	42.0	µg /m <sup>3</sup>	180.0
10.	Ammonia (as NH <sub>3</sub> )	NIOSH 6015	28.0	µg /m <sup>3</sup>	400.0
11.	Benzene (as C <sub>6</sub> H <sub>6</sub> )	IS:5182 Part-XI	< 1.0	µg /m <sup>3</sup>	5.0
12.	Benzo(α) Pyrene- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m <sup>3</sup>	1.0

#### Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

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Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201316

Branch Office : IP-2, Haridwar, Uttarakhand | Gayatri Nagar, Kathgodam, Haldwani, Uttarakhand

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TC-6814

## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-180325-02	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample Drawn On.	: 16/03/2025 to 17/03/2025
Sample Drawn By	: NTL Representative
Sample Description	: Ambient Air
Sampling Location	: Near Stabilization Shed
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 18/03/2025 to 22/03/2025
Average Flow Rate of SPM (m <sup>3</sup> /min.)	: 1.12
Average Flow Rate of Gases (lpm)	: 1.0
Sampling Instrument Used	: Respirable Dust Sampler (PM <sub>10</sub> ), Fine Particulate (PM <sub>2.5</sub> ) Sampler
Weather Condition	: Clear

### TEST RESULT

S.No	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM <sub>10</sub> )	IS:5182 Part-XXIII	96.02	µg /m <sup>3</sup>	100.0
2.	Particulate Matter (PM <sub>2.5</sub> )	NAAQMS/36 Vol-1, CPCB	51.40	µg /m <sup>3</sup>	60.0
3.	Sulphur dioxide (SO <sub>2</sub> )	IS:5182 Part-II	10.98	µg /m <sup>3</sup>	80.0
4.	Nitrogen dioxide (NO <sub>2</sub> )	IS:5182 Part-VI	13.56	µg /m <sup>3</sup>	80
5.	Carbon monoxide (CO)	NIOSH 6604	< 1.15	mg/m <sup>3</sup>	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m <sup>3</sup>	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<10.0	ng /m <sup>3</sup>	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m <sup>3</sup>	6.0
9.	Ozone (as O <sub>3</sub> )	IS:5182 Part-IX	44.0	µg /m <sup>3</sup>	180.0
10.	Ammonia (as NH <sub>3</sub> )	NIOSH 6015	28.6	µg /m <sup>3</sup>	400.0
11.	Benzene (as C <sub>6</sub> H <sub>6</sub> )	IS:5182 Part-XI	< 1.0	µg /m <sup>3</sup>	5.0
12.	Benzo(a) Pyrene- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m <sup>3</sup>	1.0

#### Notes:

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TC-6814

## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-180325-03	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample Drawn On	: 16/03/2025 to 17/03/2025
Sample Drawn By	: NTL Representative
Sample Description	: Ambient Air
Sampling Location	: Near Incinerator
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 18/03/2025 to 22/03/2025
Average Flow Rate of SPM (m <sup>3</sup> /min.)	: 1.12
Average Flow Rate of Gases (lpm)	: 1.0
Sampling Instrument Used	: Respirable Dust Sampler (PM <sub>10</sub> ), Fine Particulate (PM <sub>2.5</sub> ) Sampler
Weather Condition	: Clear

### TEST RESULT

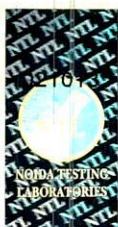
S.No	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM <sub>10</sub> )	IS:5182 Part-XXIII	92.08	µg /m <sup>3</sup>	100.0
2.	Particulate Matter (PM <sub>2.5</sub> )	NAAQMS/36 Vol-1, CPCB	51.60	µg /m <sup>3</sup>	60.0
3.	Sulphur dioxide (SO <sub>2</sub> )	IS:5182 Part-II	9.95	µg /m <sup>3</sup>	80.0
4.	Nitrogen dioxide (NO <sub>2</sub> )	IS:5182 Part-VI	13.40	µg /m <sup>3</sup>	80
5.	Carbon monoxide (CO)	NIOSH 6604	< 1.15	mg/m <sup>3</sup>	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m <sup>3</sup>	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<10.0	ng /m <sup>3</sup>	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m <sup>3</sup>	6.0
9.	Ozone (as O <sub>3</sub> )	IS:5182 Part-IX	41.8	µg /m <sup>3</sup>	180.0
10.	Ammonia (as NH <sub>3</sub> )	NIOSH 6015	27.5	µg /m <sup>3</sup>	400.0
11.	Benzene (as C <sub>6</sub> H <sub>6</sub> )	IS:5182 Part-XI	< 1.0	µg /m <sup>3</sup>	5.0
12.	Benzo(a) Pyrene- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m <sup>3</sup>	1.0

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TC-6814

## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality	AAQ-180325-04	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample Drawn On	: 16/03/2025 to 17/03/2025
Sample Drawn By	: NTL Representative
Sample Description	: Ambient Air
Sampling Location	: Near Exit Security Gate
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 18/03/2025 to 22/03/2025
Average Flow Rate of SPM (m <sup>3</sup> /min.)	: 1.12
Average Flow Rate of Gases (lpm)	: 1.0
Sampling Instrument Used	: Respirable Dust Sampler (PM <sub>10</sub> ), Fine Particulate (PM <sub>2.5</sub> ) Sampler
Weather Condition	: Clear

### TEST RESULT

S.No	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM <sub>10</sub> )	IS:5182 Part-XXIII	91.80	µg /m <sup>3</sup>	100.0
2.	Particulate Matter (PM <sub>2.5</sub> )	NAAQMS/36 Vol-1, CPCB	50.23	µg /m <sup>3</sup>	60.0
3.	Sulphur dioxide (SO <sub>2</sub> )	IS:5182 Part-II	9.76	µg /m <sup>3</sup>	80.0
4.	Nitrogen dioxide (NO <sub>2</sub> )	IS:5182 Part-VI	13.50	µg /m <sup>3</sup>	80
5.	Carbon monoxide (CO)	NIOSH 6604	< 1.15	mg/m <sup>3</sup>	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.1	µg /m <sup>3</sup>	1.0
7.	Nickel (as Ni)	NAAQMS/36 Vol-1, CPCB	<10.0	ng /m <sup>3</sup>	20.0
8.	Arsenic (as As)	NAAQMS/36 Vol-1, CPCB	<5.0	ng /m <sup>3</sup>	6.0
9.	Ozone (as O <sub>3</sub> )	IS:5182 Part-IX	40.0	µg /m <sup>3</sup>	180.0
10.	Ammonia (as NH <sub>3</sub> )	NIOSH 6015	25.6	µg /m <sup>3</sup>	400.0
11.	Benzene (as C <sub>6</sub> H <sub>6</sub> )	IS:5182 Part-XI	< 1.0	µg /m <sup>3</sup>	5.0
12.	Benzo(α) Pyrene- Particulate phase only	IS:5182 Part-XII	< 1.0	ng /m <sup>3</sup>	1.0

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Stack Emission	ST-180325-014	22/03/2025

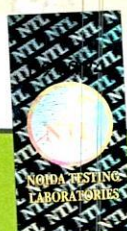
Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample drawn on : 16/03/2025  
 Sample Drawn By : NTL Representative  
 Sample description : Stack Emission  
 Sampling Time : 30 minutes  
 Sampling Plan & Procedure : SOP/SE/09  
 Analysis Duration : 18/03/2025 to 22/03/2025  
 Stack Temperature (°C) : 123  
 Source of Emission : Stack Attached to Incinerator  
 Type of Fuel used : PNG  
 Operation Load during Monitoring : 500 kg/hr  
 Operating Load : Normal  
 Type of Stack : Metal circular  
 Diameter of the Stack (meter) : 0.97  
 Stack height from ground level (meter) : 35.0  
 Average Velocity of Flue Emission (m/s) : 7.6  
 Volumetric Flow Rate (Nm³/h) : 30189.40  
 Pollution Control Device if any : Spray Dryer, Bag Filter, Multi Cyclone, Alkaline Wet Scrubber

S. No.	Parameters	Unit	Test Results	Specification as Per MOEF Notification Date 26 <sup>th</sup> June 2008 for Common Hazardous Waste (Incinerator)*(Maximum Allowable Limit)	Test Method
Chemical Analysis			Limiting Concentration		
1	Cd and their Compounds	mg/Nm³	ND, [DL-0.0001]	0.05	USEPA Method 29
2	Carbon Monoxide (CO)	mg/Nm³	14.06	100	IS13270:1992
3	Hg and their Compounds	mg/Nm³	ND, [DL-0.0005]	0.05	USEPA Method 29
4	Hydrogen Chloride as HCL	mg/Nm³	ND, [DL-0.5]	50	USEPA Method 26
5	Oxides of Nitrogen (as NO <sub>2</sub> )	mg/Nm³	23.10	400	IS:11255 (P-7)
6	Particulate matter	mg/Nm³	28.80	50	IS:11255 (P-1)
7	Sb and their Compounds	mg/Nm³	ND, [DL-0.1]	0.5	USEPA Method 29
8	As and their Compounds	mg/Nm³	ND, [DL-0.1]	0.5	USEPA Method 29
9	Pb and their Compounds	mg/Nm³	ND, [DL-0.1]	0.5	USEPA Method 29
10	Co and their Compounds	mg/Nm³	ND, [DL-0.1]	0.5	USEPA Method 29
11	Cr and their Compounds	mg/Nm³	ND, [DL-0.1]	0.5	USEPA Method 29



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12	Cu and their Compounds	mg/Nm <sup>3</sup>	ND, [DL-0.1]	0.5	USEPA Method 29
13	Mn and their Compounds	mg/Nm <sup>3</sup>	ND, [DL-0.1]	0.5	USEPA Method 29
14	Ni and their Compounds	mg/Nm <sup>3</sup>	ND, [DL-0.1]	0.5	USEPA Method 29
15	V and their Compounds	mg/Nm <sup>3</sup>	ND, [DL-0.1]	0.5	USEPA Method 29
16	Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	15.40	200	IS:11255 (P-2)
17	Oxygen	% by Vol.	9.60	NA	FL/SOP/ENV-26
18	Total Organic Carbon	mg/Nm <sup>3</sup>	4.26	20	FL/SOP/02-47
19	Hydrogen Fluoride as HF	mg/Nm <sup>3</sup>	ND, [DL-0.5]	4	USEPA Method 26:1996
20	Carbon Dioxide	% by Vol.	2.89	NA	FL/SOP/02-25
21	Th and their Compounds	mg/Nm <sup>3</sup>	ND, [DL-0.00005]	0.05	USEPA Method 29

### Notes:

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Stack Emission	ST-180325-015	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample drawn on	:	16/03/2025
Sample Drawn By	:	NTL Representative
Sample description	:	Stack Emission
Sampling Time	:	30 minutes
Sampling Plan & Procedure	:	SOP/SE/09
Analysis Duration	:	18/03/2025 to 22/03/2025
Stack Temperature (°C)	:	134
Source of Emission	:	Stack Attached to Incinerator
Type of Fuel used	:	PNG
Operation Load during Monitoring	:	500 kg/hr
Operating Load	:	Normal
Type of Stack	:	Metal circular
Diameter of the Stack (meter)	:	0.97
Stack height from ground level (meter)	:	35.0
Average Velocity of Flue Emission (m/s)	:	7.8
Volumetric Flow Rate (Nm³/h)	:	27115.40
Pollution Control Device if any	:	Spray Dryer, Bag Filter, Multi Cyclone, Alkaline Wet Scrubber

S. No.	Parameters	LOQ	Test Result	Specification as Per MOEF Notification Date 26 <sup>th</sup> June 2008 for Common Hazardous Waste (Incinerator)* (Maximum Allowable Limit)	Protocol
Dioxins and Furans (17 PCDD/Fs), ng TEQ/Nm3				Limiting Concentration	
Sum of PCDD+PCDF - Test Results					
1	Total Dioxin and Furan	0.003	<LOQ	0.1 ng TEQ/Nm3	FL/SOP/07-02
2.	WHO (2005) PCDD/FS (Lower Bound) [a], ngTEQ/Nm3		0.078	0.1 ng TEQ/Nm3	FL/SOP/07-02
3.	WHO (2005) PCDD/FS (Medium Bound) [b], ngTEQ/Nm3		0.045		
4.	WHO (2005) PCDD/FS (Upper Bound) [c], ngTEQ/Nm3		0.066		

Note: Total Dioxin and Furan at 11% CO2 Correction and dry basis.

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Water	W-180325-018	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample Received On	: 17/03/2025
Sample Drawn By	: NTL Representative
Sample Quantity	: 2.0 lit + 500 ml
Sampling Location	: Near Project Site
Sample Description	: Bore well Water
Analysis Duration	: 18/03/2025 to 22/03/2025

### MICROBIOLOGICAL REQUIREMENT RESULT

S. No.	Parameter	Test Method	Results	Requirements as per IS-10500:2012/RA:2023
1.	<i>Escherichia coli</i>	IS-15185	Absent	Absent/100ml
2.	<i>Coliform Bacteria</i>	IS-15185	Absent	Absent/100ml

### ORGANOLEPTIC & PHYSICAL PARAMETERS

S. No.	Parameter	Test Method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Colour	IS-3025(P-04)	<5.0	Hazen	5	15
2.	Odour	IS-3025(P-05)	Odourless	-	Agreeable	Agreeable
3.	Taste	IS-3025(P-07 & 08)	Agreeable	-	Agreeable	-
4.	Turbidity	IS-3025(P-10)	1.4	NTU	1	5
5.	pH value	IS-3025(P-11)	7.47	-	6.5-8.5	-
6.	Electrical Conductivity	IS:3025(Part-14)	1584	µmhos/cm	-	-
7.	Total dissolve solid (TDS)	IS-3025(P-16)	1216	mg/l	500	2000

### GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS

S. No.	Parameter	Test Method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Calcium (as Ca)	IS: 3025 (P- 40)	115.0	mg/l	75	200
2.	Chloride (as Cl)	IS: 3025 (P- 32)	289.0	mg/l	250	1000
4.	Fluoride (as F)	IS: 3025 (P-60)	0.87	mg/l	1.0	1.5
5.	Free Residual Chlorine	IS: 3025 (P-26)	0.23	mg/l	0.2	1.0
6.	Iron (as Fe)	IS: 3025(P-53)	0.226	mg/l	1.0	No Relaxation
7.	Magnesium (as Mg)	IS: 3025 (P-46)	34.80	mg/l	30	100



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7.	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P- 24)	226.0	mg/l	200	400
8.	Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P- 23)	380.0	mg/l	200	600
9.	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P- 21)	276.0	mg/l	200	600
10.	Phosphate (as PO <sub>4</sub> )	APHA 4500 (D)	0.210	mg/l	-	-
11.	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P- 34)	15.40	mg/l	45	No Relaxation

### Parameters Concerning Toxic Substances:

S. No.	Parameter	Test method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Copper (as Cu)	IS: 3025 (P-42)	<0.05	mg/l	0.05	1.5
2.	Cadmium (as Cd)	IS-3025(P-41)	<0.001	mg/l	0.003	No Relaxation
3.	Lead (as Pb)	IS-3025(P-47)	ND	mg/l	0.01	No Relaxation
4.	Nickel (as Ni)	IS-3025(P-54)	ND	mg/l	0.02	No Relaxation
5.	Manganese (as Mn)	IS: 3025 (P-59)	<0.10	mg/l	0.1	0.3
6.	Total Chromium (as Cr)	IS-3025(P-52)	ND	mg/l	0.05	No Relaxation
7.	Zinc (as Zn)	IS: 3025 (P- 49)	0.241	mg/l	5.0	15

\*Remark - BDL: Below Detection limit

ND- Not Detected

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Water	W-180325-019	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample Received On	: 17/03/2025
Sample Drawn By	: NTL Representative
Sample Quantity	: 2.0 lit + 500 ml
Sampling Location	: Near Project Site (J J Colony, L Block)
Sample Description	: Bore well Water
Analysis Duration	: 18/03/2025 to 22/03/2025

### MICROBIOLOGICAL REQUIREMENT RESULT

S. No.	Parameter	Test Method	Results	Requirements as per IS-10500:2012/RA:2023
1.	<i>Escherichia coli</i>	IS-15185	Absent	Absent/100ml
2.	<i>Coliform Bacteria</i>	IS-15185	Absent	Absent/100ml

### ORGANOLEPTIC & PHYSICAL PARAMETERS

S. No.	Parameter	Test Method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Colour	IS-3025(P-04)	<5.0	Hazen	5	15
2.	Odour	IS-3025(P-05)	Odourless	-	Agreeable	Agreeable
3.	Taste	IS-3025(P-07 & 08)	Agreeable	-	Agreeable	-
4.	Turbidity	IS-3025(P-10)	1.1	NTU	1	5
5.	pH value	IS-3025(P-11)	7.65	-	6.5-8.5	-
6.	Electrical Conductivity	IS:3025(Part-14)	1802	µmhos/cm	-	-
7.	Total dissolve solid (TDS)	IS-3025(P-16)	1276	mg/l	500	2000

### GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS

S. No.	Parameter	Test Method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Calcium (as Ca)	IS: 3025 (P- 40)	121.0	mg/l	75	200
2.	Chloride (as Cl)	IS: 3025 (P- 32)	185.0	mg/l	250	1000
4.	Fluoride (as F)	IS: 3025 (P-60)	0.91	mg/l	1.0	1.5
5.	Free Residual Chlorine	IS: 3025 (P-26)	Nil	mg/l	0.2	1.0
6.	Iron (as Fe)	IS: 3025(P-53)	0.156	mg/l	1.0	No Relaxation
7.	Magnesium (as Mg)	IS: 3025 (P-46)	52.40	mg/l	30	100



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7.	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P- 24)	298.0	mg/l	200	400
8.	Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P- 23)	476.0	mg/l	200	600
9.	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P- 21)	518.0	mg/l	200	600
10.	Phosphate (as PO <sub>4</sub> )	APHA 4500 (D)	0.34	mg/l	-	-
11.	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P- 34)	15.80	mg/l	45	No Relaxation

### Parameters Concerning Toxic Substances:

S. No.	Parameter	Test method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Copper (as Cu)	IS: 3025 (P-42)	<0.05	mg/l	0.05	1.5
2.	Cadmium (as Cd)	IS-3025(P-41)	<0.001	mg/l	0.003	No Relaxation
3.	Lead (as Pb)	IS-3025(P-47)	ND	mg/l	0.01	No Relaxation
4.	Nickel (as Ni)	IS-3025(P-54)	ND	mg/l	0.02	No Relaxation
5.	Manganese (as Mn)	IS: 3025 (P-59)	<0.10	mg/l	0.1	0.3
6.	Total Chromium (as Cr)	IS-3025(P-52)	ND	mg/l	0.05	No Relaxation
7.	Zinc (as Zn)	IS: 3025 (P- 49)	0.225	mg/l	5.0	15

\*Remark - BDL: Below Detection limit

ND- Not Detected

### Notes:

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TC-6814

## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Water	W-180325-020	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample Received On	: 17/03/2025
Sample Drawn By	: NTL Representative
Sample Quantity	: 2.0 lit + 500 ml
Sampling Location	: Near Project Site (J J Colony, Masjid)
Sample Description	: Bore well Water
Analysis Duration	: 18/03/2025 to 22/03/2025

### MICROBIOLOGICAL REQUIREMENT RESULT

S. No.	Parameter	Test Method	Results	Requirements as per IS-10500:2012/RA:2023
1.	<i>Escherichia coli</i>	IS-15185	Absent	Absent/100ml
2.	<i>Coliform Bacteria</i>	IS-15185	Absent	Absent/100ml

### ORGANOLEPTIC & PHYSICAL PARAMETERS

S. No.	Parameter	Test Method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Colour	IS-3025(P-04)	<5.0	Hazen	5	15
2.	Odour	IS-3025(P-05)	Odourless	-	Agreeable	Agreeable
3.	Taste	IS-3025(P-07 & 08)	Agreeable	-	Agreeable	-
4.	Turbidity	IS-3025(P-10)	1.6	NTU	1	5
5.	pH value	IS-3025(P-11)	7.32	-	6.5-8.5	-
6.	Electrical Conductivity	IS:3025(Part-14)	1650	µmhos/cm	-	-
7.	Total dissolve solid (TDS)	IS-3025(P-16)	1278	mg/l	500	2000

### GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS

S. No.	Parameter	Test Method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Calcium (as Ca)	IS: 3025 (P- 40)	96.20	mg/l	75	200
2.	Chloride (as Cl)	IS: 3025 (P- 32)	38.11	mg/l	250	1000
4.	Fluoride (as F)	IS: 3025 (P-60)	0.24	mg/l	1.0	1.5
5.	Free Residual Chlorine	IS: 3025 (P-26)	Nil	mg/l	0.2	1.0
6.	Iron (as Fe)	IS: 3025(P-53)	0.128	mg/l	1.0	No Relaxation
7.	Magnesium (as Mg)	IS: 3025 (P-46)	50.16	mg/l	30	100



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7.	Sulphate (as SO <sub>4</sub> )	IS: 3025 (P- 24)	184.0	mg/l	200	400
8.	Alkalinity (as CaCO <sub>3</sub> )	IS: 3025 (P- 23)	460.0	mg/l	200	600
9.	Total Hardness (as CaCO <sub>3</sub> )	IS: 3025 (P- 21)	482.0	mg/l	200	600
10.	Phosphate (as PO <sub>4</sub> )	APHA 4500 (D)	0.15	mg/l	-	-
11.	Nitrate (as NO <sub>3</sub> )	IS: 3025 (P- 34)	16.00	mg/l	45	No Relaxation

### Parameters Concerning Toxic Substances:

S. No.	Parameter	Test method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Copper (as Cu)	IS: 3025 (P-42)	<0.05	mg/l	0.05	1.5
2.	Cadmium (as Cd)	IS-3025(P-41)	<0.001	mg/l	0.003	No Relaxation
3.	Lead (as Pb)	IS-3025(P-47)	ND	mg/l	0.01	No Relaxation
4.	Nickel (as Ni)	IS-3025(P-54)	ND	mg/l	0.02	No Relaxation
5.	Manganese (as Mn)	IS: 3025 (P-59)	<0.10	mg/l	0.1	0.3
6.	Total Chromium (as Cr)	IS-3025(P-52)	ND	mg/l	0.05	No Relaxation
7.	Zinc (as Zn)	IS: 3025 (P- 49)	0.172	mg/l	5.0	15

\*Remark - BDL: Below Detection limit

ND- Not Detected

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Noise	AN-180325-05	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Monitoring Started On	: 16/03/2025
Sample Drawn By	: NTL Representative
Monitoring Period	: 16/03/2025 to 17/03/2025
Sample Description	: Ambient Noise
Sampling Location	: Near Security Gate
Instrument Used	: Sound Level Meter
Protocol Followed	: IS 9989: 1981 (RA 2023)

### RESULTS

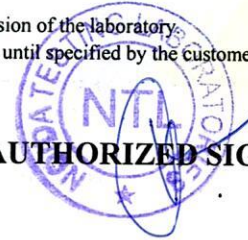
S. No.	Monitoring Parameter	Result (Average)	Unit of Measure	Requirements as per CPCB Guidelines Permissible Noise Levels in dB(A) Leq		
				Category of Area/Zone	Day Time 06.00 am to 10.00 pm	Night Time 10.00 pm to 06.00 am
1.	EQUIVALENT NOISE LEVEL (06:00 AM to 10:00 PM)	62.1	dB(A)	Industrial Area	75	70
2.	EQUIVALENT NOISE LEVEL (10:00 PM to 06:00 AM)	47.8	dB(A)	Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

#### Notes:

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Noise	AN-180325-06	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Monitoring Started On	: 16/03/2025
Sample Drawn By	: NTL Representative
Monitoring Period	: 16/03/2025 to 17/03/2025
Sample Description	: Ambient Noise
Sampling Location	: Near Stabilization Shed
Instrument Used	: Sound Level Meter
Protocol Followed	: IS 9989: 1981 (RA 2023)

### RESULTS

S. No.	Monitoring Parameter	Result (Average)	Unit of Measure	Requirements as per CPCB Guidelines Permissible Noise Levels in dB(A) Leq		
1.	EQUIVALENT NOISE LEVEL (06:00 AM to 10:00 PM)	64.2	dB(A)	Category of Area/Zone	Day Time 06.00 am to 10.00 pm	Night Time 10.00 pm to 06.00 am
				Industrial Area	75	70
2.	EQUIVALENT NOISE LEVEL (10:00 PM to 06:00 AM)	45.0	dB(A)	Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

### Notes:

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Noise	AN-180325-07	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Monitoring Started On	: 16/03/2025
Sample Drawn By	: NTL Representative
Monitoring Period	: 16/03/2025 to 17/03/2025
Sample Description	: Ambient Noise
Sampling Location	: Near Incinerator Area
Instrument Used	: Sound Level Meter
Protocol Followed	: IS 9989: 1981 (RA 2023)

### RESULTS

S. No.	Monitoring Parameter	Result (Average)	Unit of Measure	Requirements as per CPCB Guidelines Permissible Noise Levels in dB(A) Leq		
				Category of Area/Zone	Day Time 06.00 am to 10.00 pm	Night Time 10.00 pm to 06.00 am
1.	EQUIVALENT NOISE LEVEL (06:00 AM to 10:00 PM)	64.5	dB(A)	Industrial Area	75	70
2.	EQUIVALENT NOISE LEVEL (10:00 PM to 06:00 AM)	52.6	dB(A)	Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

#### Notes:

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Noise	AN-180325-08	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Monitoring Started On	: 16/03/2025
Sample Drawn By	: NTL Representative
Monitoring Period	: 16/03/2025 to 17/03/2025
Sample Description	: Ambient Noise
Sampling Location	: Near Exit Security Gate
Instrument Used	: Sound Level Meter
Protocol Followed	: IS 9989: 1981 (RA 2023)

### RESULTS

S. No.	Monitoring Parameter	Result (Average)	Unit of Measure	Requirements as per CPCB Guidelines Permissible Noise Levels in dB(A) Leq		
				Category of Area/Zone	Day Time 06.00 am to 10.00 pm	Night Time 10.00 pm to 06.00 am
1.	EQUIVALENT NOISE LEVEL (06:00 AM to 10:00 PM)	58.4	dB(A)	Industrial Area	75	70
2.	EQUIVALENT NOISE LEVEL (10:00 PM to 06:00 AM)	45.1	dB(A)	Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

### Notes:

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Soil Quality	SQ-180325-09	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample Received On : 17/03/2025  
 Sample Drawn By : NTL Representative  
 Sample Description : Soil Sample Collected from Project Site  
 Analysis Duration : 18/03/2025 to 22/03/2025

Sl. No.	Parameters	Unit	Results	Test Method
1.	pH	-	7.50	IS:2720(Part-26)
2.	Electrical Conductivity at 25° C (1:5suspension.)	µmhos/cm	423	IS:2720(Part-21)
3.	Sodium (as Na)	(mg/kg)	128	STP/SOIL
4.	Water holding capacity	(%) by mass	24.5	STP/SOIL
5.	Potassium (as K)	(kg/ha)	187.0	STP/SOIL
6.	Calcium (as Ca)	(mg/kg)	1650	STP/SOIL
7.	Magnesium (as Mg)	(mg/kg)	518	STP/SOIL
8.	Sodium Absorption Ration (SAR)	-	1.74	STP/SOIL
9.	Cation Exchange Capacity (CEC)	(meq/100gm)	6.22	STP/SOIL
10.	Available Phosphorus (as P)	Kg/ha	15.0	STP/SOIL
11.	Organic carbon	(%) by mass	0.34	STP/SOIL
12.	Bulk Density	(g/cm <sup>3</sup> )	1.25	STP/SOIL
13.	Nitrogen	Kg/ha	189	STP/SOIL
14.	Silica content (as SiO <sub>2</sub> )	% by mass	45.2	STP/SOIL
15.	Zinc (as Zn)	mg/kg	32.4	STP/SOIL
16.	Manganese (as Mn)	mg/kg	78.5	STP/SOIL
17.	Lead (as Pb)	mg/kg	BDL (<0.50)	STP/SOIL
18.	Cadmium (as Cd)	mg/kg	BDL (<0.50)	STP/SOIL
19.	Copper (as Cu)	mg/kg	4.2	STP/SOIL
20.	Boron (as B)	mg/kg	8.1	STP/SOIL

#### Notes:

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## TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Soil Quality	SQ-180325-010	22/03/2025

Issued To: M/s Re Sustainable IWM Solutions Limited

Address: Plot No. 1, Sector- 5, Bawana Industrial Area, Delhi – 110039

### SAMPLING & ANALYSIS DATA

Sample Received On : 17/03/2025  
 Sample Drawn By : NTL Representative  
 Sample Description : Soil Sample Collected from Near Project Site Agri Land  
 Analysis Duration : 18/03/2025 to 22/03/2025

Sl. No.	Parameters	Unit	Results	Test Method
1.	pH	-	7.42	IS:2720(Part-26)
2.	Electrical Conductivity at 25° C (1:5suspension.)	µmhos/cm	526	IS:2720(Part-21)
3.	Sodium (as Na)	(mg/kg)	168	STP/SOIL
4.	Water holding capacity	(%) by mass	23.0	STP/SOIL
5.	Potassium (as K)	(kg/ha)	260	STP/SOIL
6.	Calcium (as Ca)	(mg/kg)	2125	STP/SOIL
7.	Magnesium (as Mg)	(mg/kg)	640	STP/SOIL
8.	Sodium Absorption Ration (SAR)	-	2.54	STP/SOIL
9.	Cation Exchange Capacity (CEC)	(meq/100gm)	10.2	STP/SOIL
10.	Available Phosphorus (as P)	Kg/ha	26.1	STP/SOIL
11.	Organic carbon	(%) by mass	0.87	STP/SOIL
12.	Bulk Density	(g/cm <sup>3</sup> )	1.25	STP/SOIL
13.	Nitrogen	Kg/ha	198	STP/SOIL
14.	Silica content (as SiO <sub>2</sub> )	% by mass	32.0	STP/SOIL
15.	Zinc (as Zn)	mg/kg	64.4	STP/SOIL
16.	Manganese (as Mn)	mg/kg	128.0	STP/SOIL
17.	Lead (as Pb)	mg/kg	BDL (<0.50)	STP/SOIL
18.	Cadmium (as Cd)	mg/kg	BDL (<0.50)	STP/SOIL
19.	Copper (as Cu)	mg/kg	5.2	STP/SOIL
20.	Boron (as B)	mg/kg	12.6	STP/SOIL

#### Notes:

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