

Compliance status of the Environmental Clearance conditions

Clearance Letter No.: Environmental Clearance /MoEF&CC / F. No. 10-43/2018-IA-III dated 16th November, 2018

Name of the Project: Re Sustainability IWM Solutions Limited - Gummidipoondi (Formerly known as Tamilnadu waste management limited)

Period of compliance: 01st April'22 to 30th Sep'22

Sl. No.	A. Specific Conditions	Compliance Status
(i)	Consent to Establish /Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and control of Pollution) Act, 1981 and the water (Prevention and Control of Pollution) Act, 1974.	"Consent to Establishment" vide application number. 33330750, for Landfill waste, Common Incinerator, Biomedical waste, AFRF, Paper, Plastic, E-waste recycling, Waste / usedoil recovery and spent solvent recovery has been applied through OCMMS portal of Tamil Nadu Pollution Control Board and obtained on 10/11/2020.
(ii)	The Project proponent should ensure that the TSDF fulfills all the provisions of Hazardous and other Wastes (Management and Trans boundary Movement) Rules, 2016 and Bio Medical Waste management Rules, 2016.	All the provisions of Hazardous and other Wastes (Management and Trans boundary Movement) Rules, 2016 and Biomedical waste management rules are being followed
(iii)	CPCB guidelines and rules as prescribed under the E.P Act forsitting criteria shall be followed	CPCB guidelines and rules as prescribed under the Environment Production Act for sitting criteria are being followed.
(iv)	Ground water abstraction shall be as prescribed by the CGWA. A Clearance /permission of the CGWA shall be obtained in this regards.	The Ground Water is not being abstracted by the facility. The SIPCOT Provides water to the facility.
(v)	It shall be ensured that all the trees and other plantation areof the non-edible varieties and do not in any way encourage the incorporation of toxic materials in the food chain.	Only non-edible plants variety like Pongamia, Neem, Silver Oak, Gulmohr and different varieties of plants will be planted.
(vi)	The TSDF should only handle the waste generated from themember units	The TSDF is handling the waste generatedfrom the member units only



(vii)	<p>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; ventury scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapors in flue gas; and demister column for arresting water carry over will be provided to the incinerator.</p> <p>Online pollutant monitoring shall be provided as per CPCB guidelines for monitoring particulate matter, SO₂, NO_x and CO from the incinerator stack. The periodical monitoring of Dioxin and Furans in the Stacks emissions shall be carried out.</p>	<ol style="list-style-type: none"> 1. Gas quencher treatment followed by the mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs. 2. Bag filter helps in the removal of particulate matter 3. Venturi scrubber followed by packed bed scrubber with caustic solution circulation to neutralize the acidic vapors in flue gas and demister column for arresting water carry out to provided the incinerator 4. Continuous emission monitoring system (CEMS) has been monitored as per CPCB guidelines through online for monitoring particulate matter, SO₂, NO_x and CO from the facility incinerator stack. 5. The periodical monitoring of Dioxin and Furans in the facility Stacks emissions has been carried out through third party analysis.
(viii)	<p>Analysis of Dioxins and Furans shall be done through CSIR — National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.</p>	<p>Analysis of Dioxins and Furans has been done through third party analysis with NABL Accredited laboratory.</p>
(ix)	<p>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.</p>	<p>Protocol for Performance Evaluation and Monitoring of the Common Hazardous Waste Treatment, Storage and Disposal Facilities' published by the CPCB in May, 2010 is being followed.</p>
(x)	<p>Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.</p>	<p>We have installed a robust incinerator as per the CPCB Guidelines. The incinerator heat will be used for waste water (scrubber bleed) treatment and converted into salts.</p>
(xi)	<p>Incinerator shall be placed in downwind direction</p>	<p>Incinerator in the TSD facility has been installed as per CPCB guidelines and placed in downwind direction.</p>

(xii)	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.	Eight numbers of bore wells available, Every month bore well water quality analysis is being carried out by TNWML and same is being done externally by Tamil Nadu Pollution Control Board. Trend analysis of ground water quality have prepared and submitted to the SPCB and the same will be submitted to the Regional Office of MoEF & CC.
(xiii)	Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations	Ambient air quality monitoring is being done as per CPCB protocol, 2010, The quality of Ambient Air is within the prescribed limit and baseline data
(xiv)	The depth of the land fill site shall be decided based on the ground water table at the site and may be such as permitted by the Pollution Control Board	The depth of the land fill site has been decided based on the ground water table at the site and the IIT madras has duly approved an monitored every landfill site
(xv)	Environmental Monitoring Programme shall be implemented as per EIA report and guidelines prescribed by CPCB for hazardous waste facilities. Periodical ground water/soil monitoring to check the contamination in and around the site shall be carried out	We have carried out environmental monitoring as per EIA report and guidelines prescribed by CPCB for hazardous waste facilities.
(xvi)	The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.	Spill control kits are provided at all the waste handling areas to deal with spillages if any.
(xvii)	Online real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.	As per TNPCB and CPCB directions, we have installed real time continuous stack monitoring system (CEMS) and installed continuous ambient air quality monitoring stations at up and down wind directions and Connected to TNPCB server.
(xviii)	No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Tran's boundary Movement) Rules, 2016, shall be handled in the premises.	The facility within the premises is handling only hazardous waste in compliance with the Hazardous and Other Wastes (Management and Tran's boundary Movement) Rules, 2016.
(xix)	Gas generated in the Land fill should be properly collected, monitored and flared.	The gas outlet if any generated in the landfill are collected, monitored & Flared
(xx)	Project Proponent shall develop green belt with native plant species that are significant and used for the pollution abatement. At least 10 m thick greenbelt shall be developed in the periphery of hazardous waste facility.	Yes, The facility has developed the green belt along the periphery of the hazardous waste facility; also 10 m thick greenbelt is being maintained.


(xxi)	Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary security provision should be made as a condition in the Authorization under the hazardous and other wastes (Management and Transboundary Movement) Rules. 2016 to prevent unwanted access.	<ol style="list-style-type: none"> 1. The facility has ensured and maintained properly cordoned off from general movement and no unauthorized person or goods are permitted to enter the TSDF premises. 2. Sufficient security provision has been made to prevent unauthorized access.
(xxii)	Pre medical check-up to be carried out on workers at the time of employment and regular medical record to be maintained.	We have carried out Pre medical check-up and annual health checkup on workers and employees at the time of employment and regular medical record are being maintained.
(xviii)	Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water	Emergency plan in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water is followed and Submitted to TNPCB.
(xxiv)	Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.	Rain water runoff from the landfill area and other hazardous waste management area are being collected and treated in the effluent treatment plant (ATFD & Incin. SD)
(xxv)	The Adjacent pond is not a revenue pond and there is no infringement. The pond will be adequately developed for rain water harvesting as per law and the permission and guidelines of the CGWA.	There is no infringement, the pond has been made adequately developed for rain water harvesting as per guidelines
(xxvi)	Greenbelt in three tier be developed along the periphery of the project site	The greenbelt in three tier has been developed along the periphery of the facility.
(xxvii)	The project proponent shall not store the hazardous wastes more than the quantity that has been permitted by the CPCB/SPCB	We are not storing any Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.
(xxviii)	As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1st May 2018, and as proposed, a fund of Rs. 80 Lakhs @ 1% of project Cost, shall be earmarked under Corporate Environment Responsibility (CER) for the activities mentioned in EIA report. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.	Noted. The same being followed. The entire CER activities are treated as Project and are monitored. We will submit the monitoring report to the regional office as a part of half yearly compliance report, and to the District Collector, It is already posted on the website of Ramky Enviro Engineers Limited Group.



Sl. No.	B. General conditions	Compliance status
(i)	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this ministry and its concerned Regional Office. Executive.	A yearly deposit has been made to the Escrow account, maintained by us and TNPCB, as a part of environmental protection measures.
(ii)	Officials from the Regional Office of MoEF&CC, Chennai who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Chennai.	Agreed and will furnish all the details and action plan during inspection.
(iii)	In the case of any change(s) in the scope of the project, the project would be requiring fresh appraisal by this Ministry.	Noted. In case of any change(s) in the scope of the project, board will be informed with the same and will proceed for a fresh appraisal by Ministry.
(iv)	The Ministry reserves the right to additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	The facility follows the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
(v)	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forests Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained as applicable by project proponents from the respective competent authorities	Applicable statutory clearances were obtained from the respective competent authorities as and when required.
(vi)	These stipulations would be enforced among others under the provisions of the water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006	The facility follows and maintains these stipulations under the provisions of the water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006

(vii)	<p>The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of the which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of the clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environmental, Forest and Climate Change at http://www.envfor.nic.in. The advertisement shall be made within seven days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at the Chennai.</p>	<p>Already published in the leading newspapers and submitted photocopy</p>
(viii)	<p>A copy of the clearance letter shall be sent by the proponent to concerned panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent. The EC letter shall also be displayed at the Regional Office, District Industries Centre and collector's Office/Tahsildar's office for 30 days.</p>	<p>Suggestion/representation has been made, while processing the proposal. Clearance letter had already posted on the company's website.</p>
(ix)	<p>Any appeal against this clearance 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, 2020.</p>	<p>Noted. Will be followed as applicable.</p>
(x)	<p>The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at the convenient location near the main gate of the company in the public domain.</p>	<p>A regular updation on the EC compliance status, Criteria Pollutant Levels are being submitted to the Central Pollution Control Board and State Pollution Control Board</p>
(xi)	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliances EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.</p>	<p>We submit the environmental statement for each financial year ending 31st March in Form-V regularly for an existing landfill and incineration facility. Last environmental statement was submitted to the respective Regional Offices of MoEF & CC on 30.09.2022.</p>

Yours Sincerely,
For Re Sustainability IWM Solutions Limited,
(Formerly known as Tamilnadu Waste Management Limited)


Authorized Signatory