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Ref:- REEL/UPWMP/ (KNP)/HAZ/22-23/41  
Date: - 28<sup>th</sup> January 2023

To,

The Director  
MoEF & CC (HSM Division)  
Jor Bagh Road, New Delhi-110003

**Subject: -Environment Clearance Compliance Report.**

Dear Sir,

We are operating the CHW-TSDF at Plot No. 672 on NH-2 Sikandra Road, Vill-Kumbhi, Tehsil-Akbarpur, District-Kanpur Dehat U.P under the relevant laws governing Environment and pollution.

With reference to the aforesaid subject please find enclosed the compliance report.

We assure you that we shall comply with all directions and regulations to operate the ICHW-TSDF as per all applicable/relevant guidelines and as advised by Board/MoEF & CC from time to time.

Sincerely,

With Regards,

(Authorized Signatory)  
For Uttar Pradesh Waste Management Project,  
(A Division of Re Sustainability Ltd.)

डाक प्राप्ति रसीद  
प्राप्ति दिनांक 09.01.23  
प्राप्तकर्ता के हस्ताक्षर  
उपरोक्त दिनांक पर प्राप्त, लखनऊ

C.C. :-

- (i) Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, New Delhi .
- (ii) Ministry of Environment Forest and Climate Change RO, Aliganj, Lucknow.
- (iii) Regional Officer, Uttar Pradesh Pollution Control Board, Rania, Kanpur Dehat.
- (iv) The Member Secretary, Uttar Pradesh Pollution Control Board, TC-12, V-2 Vibhuti Khand, Gomati Nagar, Lucknow(U.P.)

Uttar Pradesh Waste Management Project  
(A Division of Re Sustainability Limited)  
Site Address:  
Plot No. 672 on NH-19, Sikandra Road,  
Village: Kumbhi, Tehsil: Akbarpur,  
Dist: Kanpur Dehat- 209 101,  
Uttar Pradesh, India.

Re Sustainability Limited  
(formerly known as Ramky Enviro Engineers Limited)  
Registered Office:  
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CIN No. U74140TG1994PLC018833

Certificate REG No : 44 100 20392865 (ISO 9001 : 2015)  
Certificate REG No : 44 104 20392865 (ISO 14001 : 2015)  
Certificate REG No : 44 126 20392865 (ISO 45001 : 2018)  
NABL Accredited Laboratory  
(ISO/IEC 17025) Certificate No. TC-5877  
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**Name of the Project:** Uttar Pradesh Waste Management Project  
(A Division of Re Sustainability Limited)

**Clearance Letter No.:** F. No. 10-49/ 2017-IA- III

**Project Code:** 7 d

**Period of Compliance Report:** 2022-2023.

S. No.	Specific Conditions	Compliance status
1.	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 board as required under the Air (prevention and control of pollution) Act 1974.	Complied (Annexure -I)
2.	The project proponent should ensure that the TSDF fulfills all the provisions of Hazardous and other waste (Management and Transboundary Movement) Rules, 2016.	Being fulfilled.
3.	Fresh water of 106 KLD will be met from ground water /tanker water supply. No ground water abstraction shall be done without prior permission from CGWA.	Under renewal.
4.	It shall be ensured that all the trees and other plantations are of the non-edible varieties and do not in any way encourage the incorporation of toxic materials in there food chain.	Non-edible plants variety like <i>Azadiracta Indica</i> , <i>Ficus</i> , <i>Sagwan</i> , <i>Bottlebrush</i> , <i>Accacia nilotica</i> , <i>Goldmohar</i> , <i>Sisoo</i> and <i>Siris</i> have been planted.
5.	The TSDF should only handle the waste generated from the member units.	Waste is being lifted from the member industry only.
6.	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 (Annexure-II)
7.	The project proponent 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.
8.	Incinerator Shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.	Complied.

9.	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.	Complied (Annexure III)
10.	Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locators.	Complied (Annexure IV).
11.	Environmental monitoring program 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.	Complied (Annexure V)
12.	The company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.	Complied (Annexure-VI)
13.	On the real time continuous monitoring facilities shall be provided as per the CPCB or state board directors.	OCEMS is installed (Annexure-VII)
14.	No nonhazardous wastes as defined under the transboundary Movement) Rules, 2016 shall be handled in the premises.	Complied.
15.	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.	Complied.
16.	Project should ensure that the site is properly cordoned off 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 waste	Complied.

	(management and transboundary movement) rules, 2016 to prevent unwanted access.	
17.	Pre medical check up to be carried out on workers at the time of employment and regular medical record to be maintained.	Complied (Annexure -VIII)
18.	Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from free, explosion or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air. Soil or surface water.	Complied (Annexure -IX)
19.	Rain water runoff from other hazardous waste management area shall be collected and treated in the effluent treatment plant.	Complied.
20.	The project proponent shall not store the hazardous wastes more than the quantity that has been permitted by the CPCB/SPCB.	Complied (Annexure-X)
21.	The company shall draw up and implement corporate social responsibility plan as per the company' act of 2013.	Complied.
22.	As per the ministry office memorandum F. No. 22-65/2017-IA.III dated 01.05.2018, and as proposed, a fund of Rs. 0.085 crores( @ 1 % of project cost ) shall be earmarked under corporate environmental responsibility(CER) for the activities such as health checkups, provision of drinking water supply, farmer trainings, improving sanitation facilities and solid waste management practices, plantation drives, renovation of roads cross drains, skill development training, installation of solar lights, rain water harvesting and soil conservation measures etc. 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 compliances report, and to the district collector. It should be posted on the website of the project proponent.	Complied.
	<b>Standard Conditions</b>	

1.	The project proponent shall obtain clearance from the national board for wildlife, if applicable.	Not Applicable.
2.	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 six monthly compliance report (in case of the presence of schedule-I species in study area.)	Not Applicable.
3.	The project proponent should ensure that the TSDF fulfills all the provisions of hazardous and other waste (Management and transboundary Movement) rules 2016.	Being complied.
4.	The project proponent should 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.
5.	Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.	Complied.
6.	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.	Complied.
7.	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.
8.	All other statutory clearances such as the approvals for storage of diesel from chief controller of explosives, fire department, and civil aviation department shall be obtained as applicable by project proponents from the respective competent authorities.	Not Applicable.
I.	<b>Air Quality Monitoring</b>	
i	The project proponent shall install 24*7 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 and CPCB online	Complied (Annexure-VII)

	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.	
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.	Being done (Annexure-IV)
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, 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.	Being done (Annexure-IV)
iv	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Being followed.
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 UPPCB and Regional Office of SPCB along with six-monthly monitoring report.	Complied (Annexure-II & IV)
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: venture 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 )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.
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	Complied (Annexure-IV)

	Institute for Interdisciplinary Science and Technology (NIIST), Thiruvanthapuram or NABL Accredited laboratory.	
viii	Gas generated in Land fill should be properly collected monitored and flared.	Being monitored.
ix	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of 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 PWD/competent authority for road augmentation and shall also have the their consent to the implementation of components of the plan which involve the participation of these departments.	Complied.
II	<b>Water Quality monitoring and preservation</b>	
i	The project proponent shall install continuous effluent monitoring system with respects 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.	ZLD.
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.	Complied (Annexure-III)
iii	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF & CC,	Complied (Annexure-XI & III)

	Zonal office of UPPCB AND Regional Office of SPCB along with six monthly monitoring report.	
iv	No discharge in nearby river(s)/pond(s)	Complied.
v	The depth of the land fill site shall be decided based on the ground water table at the site.	Complied.
vi	The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.	Complied (Annexure-VI)
vii	All leachate 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.	Leachate is being collected & treated as per guidelines and directions.
viii	The Company shall review the unit operations provided for the treatment of effluents, especially the sequencing of MEE after tertiary treatment, the source of permeate when no RO is recommended and the treatment of MEE condensate. The scheme for the treatment of effluents shall be as permitted by the Pollution Control Board/Committee under the provisions of consent to establish.	Complied as per CTE issued by UPPCB dated 27 <sup>th</sup> June 2020.
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.	Sprayed Over Operational Landfill, Solar Evaporation Pond and Spray Dryer.
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.	Total Fresh Water use shall as per CGWA NOC.
xi	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.	Being complied in line with the CTO.
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.	NA.
xiii	Rain water run-off from hazardous waste storage area shall be collected and treated in the effluent treatment plant.	Hazardous Waste storage area is covered.
<b>III</b>	<b>Noise monitoring and prevention</b>	
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.



ii	The ambient noise levels should conform to the standards prescribed under EPA Rules ,1986 viz.75 dB(A) during day time and 70 dB(A) during night time.	Complied (Annexure-XII)
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.
<b>IV</b>	<b>Energy Conservation measures:</b>	
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.
<b>V</b>	<b>Waste Management</b>	
i	The TSDF should only handle the waste generated from the member units.	Complied.
ii	Periodical Soil monitoring to check the contamination in and around the site shall be carried out.	Being Done (Annexure -XIII)
iii	The project proponent shall not store the Hazardous waste more than the quantity that has been permitted by the CPCB/SPCB.	Complied.
iv	The solid waste 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 MSW generated from project.	NA.
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.	Complied.
<b>VI</b>	<b>Green Belt</b>	
i	Greenbelt 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 project site.	Complied ( Annexure-XIV)
ii	Top soil shall be separately stored and used in the development of green belt.	Complied.
<b>VII</b>	<b>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.	Complied.

	Parking should be fully internalized and no public space should be utilized.	
ii	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied (Annexure-IV)
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 healthcare, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied.
iv	Occupational health surveillance of the workers shall be done on a regular basis.	Complied (Annexure-VIII)
<b>VIII</b>	<b>Corporate Environment Responsibility</b>	
i	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should be prescribe for standard operating procedures to have proper checks and balances and to bring into focus any deviation of environmental/forest/wildlife norms. The copy of Board resolution in this regard shall be submitted to the MoEF & CC.	Complied.
ii	A separate Environment Cell both at the project and company headquarter level with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	ESG is effective in full force.
iii	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 six monthly compliance report.	Complied.
iv	Self-environmental audit shall be conducted annually. Every third year's third party environment audit shall be carried out.	Complied.
<b>IX</b>	<b>Miscellaneous</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 District or State. This shall also be displayed in the project proponent's website permanently.	Complied.
ii	The copies of the environmental clearance shall be submitted by the project proponent to the Head of local bodies, Panchayats and Municipal bodies in addition to the relevant offices of Government who in turn has to display same for 30 days from date of receipt.	Complied.
iii	The project proponent shall upload the status of compliance of environmental clearance condition, including result of monitored data on their website and update same on half yearly basis.	Complied.
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.
v	The project proponent shall submit the Environment statement for each financial year in Form-V and submit to concern State Pollution Control Board.	Complied (Annexure-XV)
vi	The Criteria pollutant namely PM2.5, PM10, SO2, NOx (ambient as well as stack emissions) shall be monitored and displayed at convenient location near the main gate of the company.	Data Display is available at Main Gate.
vii	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.	Complied.
viii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Complied.
ix	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 made during their presentation to the Expert Appraisal Committee.	Complied.

x	No further expansion in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change(MoEF & CC)	Noted.
xi	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.