



**NI- 02 /Raipur/24**  
**Date: - 05/01/2023**

**CHHATTISGARH ENVIRONMENT CONSERVATION BOARD**  
**Paryavas Bhawan, Sector - 19, Nava Raipur Atal Nagar,**  
**District - Raipur (C.G.) 492002**  
**E-mail - hocecb@gmail.com**

No. 7808 /TS/CECB/2024 Nava Raipur Atal Nagar, dated: 05 / 01 /2024

To,

M/s Kesda Waste Management Private Limited,  
Village-Kesda, Tehsil-Simga,  
**District-Balodabazar-Bhatapara (C.G.)**

Sub: "Permission to Establish" for Common Hazardous Waste, Treatment, Storage and Disposal facility of Secured Landfill (Direct Landfill and Landfill after Treatment) - 4,50,000 Metric Tonnes Per Year, Alternative Fuel and Raw Material Facility (AFRF) Capacity - 100 Metric Tonnes Per Day and Drum or Decontamination Recycling Plant Capacity - 200 Drums Per Day.

Ref: 1. Environmental clearance issued by the Ministry of Environment, Forest and Climate Change, Government of India vide letter no. 10-54/2020-IA.III, dated: 23/08/2023 (EC Identification No. - EC23A032CG160579).  
2. Your online application dated: 29/08/2023 and subsequent correspondence ending dated: 18/07/2023 (online application no. 13635308).

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Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 and without reducing your responsibilities under the said Acts and after going through your proposal for achieving the effluent and gaseous emission standards, it is to inform you that this Board grants you permission only for establishment for Common Hazardous Waste, Treatment, Storage and Disposal facility of Secured Landfill (Direct Landfill and Landfill after Treatment) - 4,50,000 Metric Tonnes Per Year, Alternative Fuel and Raw Material Facility (AFRF) Capacity - 100 Metric Tonnes Per Day and Drum or Decontamination Recycling Plant Capacity - 200 Drums Per Day at Village-Kesda, Tehsil-Simga, District-Balodabazar-Bhatapara (C.G.) subject to fulfillment of the following terms and conditions.

**Terms & Conditions: -**

1. Ministry of Environment, Forest and Climate Change, Government of India, New Delhi has issued environmental clearance to M/s Re Sustainability Limited for common hazardous waste treatment storage and disposal facility i.e. (1) Secured Landfill (Direct to Landfill) & (2) Landfill After Treatment Total - 4,50,000 MTA, (3) Hazardous Waste

Incineration (Common for Hazardous Waste, Domestic Hazardous Waste & Other Incinerable Waste) in Modular form - 1.5 Tons/hr, (4) E-Waste Recycling – 2 TPD, (5) Alternative Fuel and Raw Material Facility (AFRF) - 100 TPD, (6) Plastic Recycling (Hazardous in Nature/Contaminated Elements) - 20 TPD, (7) Paper Recycling (Hazardous in Nature /Contaminated Elements) - 50 TPD (8) Solvent Recovery (Hazardous in Nature/Contaminated Elements) - 18 KLD, (9), Aluminum Dross - 100 TPD, (10), Used/Spent Oil Recycling - 15 KLD, (11) Renewable Energy - 2 MW, 12. SPL (Carbon Portion) - Hazardous in Nature and Contaminated Elements - 10 TPD, (13) SPL (Refractory Portion)-Hazardous in Nature/Contaminated Elements, 10 TPD and (14) Drum/Decontamination Recycling Plant - 200 Drum/Day. Industry shall submit environmental clearance duly transferred in the name of M/s Kesada Waste Management Private Limited within 04 months as per affidavit submitted; failing which, this permission to establish may be cancelled without further notice.

2. Industry shall follow all the terms and condition mentioned in environmental clearance issued by Ministry of Environment, Forest and Climate Change, Government of India, New Delhi.
3. Industry shall procure raw materials (hazardous wastes) from Chhattisgarh State and shall not be procured from industries situated outside of Chhattisgarh State without prior permission of Board; failing which, this permission to establish may be cancelled.
4. Industry shall not install any incineration unit within the premises without prior permission from the Board.
5. Industry shall provide adequate facility for treatment of industrial and domestic effluent and shall ensure that the treated effluent quality meet the standards prescribed by Board published in Gazette Notification dated 25.03.88. Industrial effluent shall be treated in effluent treatment plant of adequate capacity. Domestic effluent shall be treated in sewage treatment plant. Treated/un-treated effluent collection tank(s), ETP shall be suitably lined to prevent seepage into ground for avoiding ground water contamination. Treated effluent shall be utilized either in process or for plantation within premises after proper disinfection/decontamination. Industry shall not use RO reject/treated industrial contaminated water for irrigation or washrooms and shall be evaporated through pucca lined evaporation pond/multyeffect evaporator. Industry shall dispose ETP sludge and sludge received after evaporation and other solid wastes as per the provisions of the Hazardous and Other Wastes (Management and Trans Boundary Movement) Rules, 2016 (as amended). Effluent arising from process plants and associated facilities shall not be discharged to the storm water drain. The quality of storm water shall be regularly monitored. Storm water shall be routed through effluent treatment plant. No effluent (treated/untreated) shall be discharged out of premises under any circumstances. Industry shall not discharge any liquid effluent what so ever generated from various processes, effluent treatment plant etc. into the river or any surface water bodies. Zero discharge condition shall be maintained all the time. All the effluent treatment system shall

be kept in good running condition all the time and failure (if any), shall be immediately rectified without delay, otherwise similar alternate arrangement shall be made. Chhattisgarh Environment Conservation Board may further stipulate stringent limit depending upon environmental conditions.

6. Industry shall construct/establish the secured land fill site as per the guidelines issued by CPCB. Industry shall also ensure that ground water will not be contaminated during the construction period or at the time of operation.
7. Industry shall provide adequate measuring arrangement for the measurement of water utilized in different categories and effluent generated. Industry shall obtain permission for use of ground water for industrial and domestic purpose from Central Ground Water Board/Authority. Industry shall not use ground water for industrial and domestic purpose without obtaining NOC of CGWB. Industry shall install separate digital meter for measurement of ground & surface water used. Industry shall submit appraisal report for usage of water from competent authority. Industry shall ensure maximum reuse of non-potable water.
8. Groundwater sample shall be drawn on each of 15<sup>th</sup> of January, April, July and October every year, (i.e., four times a year) from all piezometers and be analyzed for pH, TDS, BOD, COD and total heavy metals apart from depth of groundwater table and report shall be submitted to the Regional Office, Chhattisgarh Environment Conservation Board, Raipur. Industry shall regularly monitor the quality of ground water to ensure that the ground water is not contaminated. Industry shall submit monitoring report of effluent regularly to Regional Office, Chhattisgarh Environment Conservation Board, Raipur and Head Office, Chhattisgarh Environment Conservation Board, Nava Raipur Atal Nagar.
9. Bag filter/scrubber of high efficiency of adequate capacity to achieve particulate matter emission less than 30 mg/Nm<sup>3</sup> shall be installed to control emission generated from handling, unloading, loading etc. At no time the emission level shall go beyond the prescribed limits/standards. All air pollution control systems shall be kept in good running condition all the time and failure (if any), shall be immediately rectified without delay, otherwise similar alternate arrangement shall be made. In the event of any failure of any pollution control system adopted by the industry, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Chhattisgarh Environment Conservation Board may further stipulate stringent particulate matter and air pollutants emission limit depending upon environmental conditions. In plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/waste materials/product handlings etc. shall be provided. Truck mounted water spraying tankers shall be provided to spray/sprinkle water on roads and other dust generating points/areas.
10. Industry shall install two continuous ambient air quality monitoring stations in the plant area. Industry shall also establish ambient air

quality monitoring stations (at-least at four locations one within and three outside the plant area at an angle of 120° each) covering upwind in the down wind direction as well as where maximum ground level concentrations of PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>x</sub>, CO and SO<sub>2</sub> are anticipated in consultation with the Regional Office, Chhattisgarh Environment Conservation Board, Raipur. Data on ambient air quality and stack emission shall be submitted to the Regional Office, Chhattisgarh Environment Conservation Board, Raipur and Head Office, Chhattisgarh Environment Conservation Board, Nava Raipur Atal Nagar every month. Calibration and validation of data shall be carried out of all CAAQMS and industry shall ensure availability of real time data in CECB/CPCB server.

11. Industry shall follow the Standard Operating Procedure (SOP) for construction and operation of Secured Landfill (Direct Landfill) & Landfill after Treatment, Alternative Fuel and Raw Material Facility (AFRF) and Drum or Decontamination Recycling Plant issued by Central Pollution Control Board.
12. The height of all stack(s) attached with various particulate matter/air pollutants emission units etc. shall not be less than 30 meters. Adequate arrangement of stack monitoring shall be provided for all the stack(s). DG sets shall be acoustically enclosed.
13. Collection, transportation, handling, treatment and disposal of hazardous & other wastes shall be ensured as per the SOP issued by CPCB. Gas generated from land fill should be properly collected & monitored. Toxicity Characteristic Leaching Procedure (TCLP) test shall be performed on leachates. Leachate generated from land fill site shall be properly treated and used.
14. The ambient air quality within the factory premises shall not exceed the latest standards prescribed.
15. Industry shall store the entire waste (raw) materials, product, process residue/by-product, sludge etc. inside the shed. All plants & machineries involved in storage/handling/processing/treatment/manufacturing shall be inside the shed. The floors of process/manufacturing/treatment area, raw-materials & products/solid wastes/sludge etc. storage area shall be made pucca/concreted and shall be suitably lined with HDPE lining material of adequate thickness to prevent any possibility of contamination of the ground water due to any leakage/seepage etc.
16. Industry shall provide adequate, safe & scientific arrangement for handling, management and disposal of all solid wastes, sludge, packaging materials etc. generated. Solid wastes generated from plant shall not be stored on land in open areas in any circumstances. Non hazardous and hazardous wastes materials shall be stored separately and disposed off in safe and scientific manner as per rule. Industry shall obtain letter of authorization under Hazardous and Other Wastes (Management and Trans Boundary Movement) Rules, 2016 (as amended) from the Board and comply with the rule.
17. Industry shall ensure the transportation of raw materials through leakage proof/mechanically covered vehicles. Industry shall ensure use

of properly covered vehicles for the transportation of products so as to avoid environmental hazards in the surroundings.

18. Industry shall comply with the provision of Plastic Waste Management Rules, 2016 (as amended).
19. Industry shall strictly comply with the rules and guideline under Manufacture Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time and all transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA). 1989 (if applicable).
20. All internal roads shall be black topped (pucca) before commissioning of plant. Good housekeeping practices shall be adopted by the industry.
21. Industry shall provide proper arrangement to control the noise pollution. Industry shall install appropriate noise barriers/control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation to control the noise. The noise level shall not exceed the limit 75 dB(A) during the day time and 70 dB(A) during the night time within the plant premises. Adequate measures shall be taken for control of noise levels below 85 dB(A) in the work environment.
22. Industry shall install separate electric metering arrangements for the running of pollution control device(s). These arrangements shall be made in such a fashion that any non-functioning of pollution control device(s) shall immediately stop the electric/raw materials supply to the production unit/raw materials supply and shall remain tripped till the pollution control device/devices are made functional again/rectified to achieve the desired efficiency. The record & log book of electricity and chemical consumption for running the pollution control equipments shall be maintained & submitted to Regional Office, CECB, Raipur.
23. Wide green belt of broad leaf local species shall be developed all along the plant premises. As far as possible maximum area of open spaces shall be utilized for plantation purposes. Industry shall develop green belt/plantation within and around the plant premises in at-least 33% area of total project area. Industry shall keep the process units/chimneys as away as possible from road and shall develop green belt of width at-least 20 to 25 meters in this side.
24. Industry shall use fly ash bricks, fly ash blocks or fly ash based products for their construction/repairing activities.
25. The construction of effluent treatment systems and installation of air pollution control systems shall be taken up simultaneously with other civil/mechanical works at the propose site.
26. Industry shall provide pucca garland drain with appropriate numbers of check dams around manufacturing area, raw materials/finished products/solid wastes/ sludge storage area to avoid erosion due to rain. Sedimentation pits shall be constructed at the corners of the garland drains. Garland drains, check dams, sumps and sedimentation pits etc shall be properly lined. The surface run-off shall be de-silted through a series of check dams and drains. The treated storm water shall be used

for groundwater recharge, industrial process/operations and for land application.

27. Industry shall adopt rainwater-harvesting technique in the project area and residential area (if any) for recharge of ground water. The rain harvesting technique shall be incorporated right from the design stage of all structures. Industry shall develop rainwater-harvesting structures to harvest the rainwater for utilization in the lean season as well as to recharge the ground water table.
28. Industry shall establish an environmental management cell to carryout function relating to environmental management under the supervision of senior executive who will directly report to the head of organization. A full-fledged laboratory with qualified technical/scientific staffs to monitor the influent, effluent, ground water, surface water, soil, stack emission and ambient air quality etc. shall be provided.
29. Necessary fund shall be provided for implementation of the above conditions and the conditions to be incorporated in the 'consent to operate' of the Board and for environmental safeguards. The funds earmarked for environmental protection measures shall be kept in separate account and not diverted for any other purpose.
30. Industry shall obtain necessary statutory clearances/licenses from concerned Central/State Government Departments, Boards, Bodies and Corporations etc. before start of construction activity for establishment of the plant/facility. Industry shall follow direction issued by Central/State Government, Central Pollution Control Board/Chhattisgarh Environment Conservation Board from time to time regarding control of water & air pollution and for environmental conservation.
31. The issuance of this permission does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.
32. Industry shall follow any other conditions given at the time of grant of consent under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981.
33. Any change in production capacity, process, raw materials used, project profile etc. shall be intimated to the Board and prior permission of the Board shall be obtained for the same.
34. This permission to establish shall be valid for the period of five years effective from the date of issue of this letter. This permission to establish shall be treated as cancelled in case; no construction activity has been started on the site regarding establishment of the project during this period. Chhattisgarh Environment Conservation Board reserves the right to extend the validity period/not to extend the validity period/ cancel /withdraw the permission to establish of the project, based on the construction activities carried out on the site regarding establishment of the project.

35. Board reserves the right to amend/cancel any of the above conditions, stringent the emission/effluent limits stipulated above and add new conditions as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.

The consent (for operation) as required under the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 shall be granted to your industry after fulfillment of all the conditions mentioned above. For this purpose you shall have to make an application to this Board in the prescribed Performa at least two months before the expected date of commissioning of the plant. The applicant shall not without valid consent (for operation) of the Board bring into use any out let for the discharge of effluent and particulate matter/gaseous emission.

For & on behalf of  
Chhattisgarh Environment Conservation Board

**Member Secretary**

Chhattisgarh Environment Conservation Board  
Nava Raipur Atal Nagar, District - Raipur (C.G.)

Endt. No. 7809 /TS/CECB/2024 Nava Raipur Atal Nagar, dated: 05 / 01/2024

Copy to: -

1. Chief Engineer (Commercial), Chhattisgarh State Electricity Board, Raipur, for information and necessary action please. The power supply to the unit shall be released only after submission of the copy of "**Consent to Operate**" issued by Chhattisgarh Environment Conservation Board, Raipur.
2. Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Raipur (C.G.). Please ensure compliance and report, if any condition/conditions are violated by the industry.

**Sd/-**

**Member Secretary**

Chhattisgarh Environment Conservation Board  
Nava Raipur Atal Nagar, District - Raipur (C.G.)