

File No.APPCB/UH-IV/HWM/CFE/CWMP-NLR/2017



ANDHRA PRADESH POLLUTION CONTROL BOARD
DR. YSR.Paryavaran Bhavan, APIIC Colony Road, Gurunanak
Colony, Autonagar, Vijayawada – 520 007



Phone No : 0866-2436217 Website: <http://appcb.ap.gov.in>
RED CATEGORY CONSENT & AUTHORIZATION ORDER

Consent order No:APPCB/UH-IV/HWM/CFE/CWMP-NLR/2017 30/08/2023

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary, Movement) Rules, 2016 and the rules and orders made there under and Authorization under Rule 10 of the Bio-Medical Waste Management Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s Coastal Waste Management Project (Unit-2)
by M/s. Mumbai Waste Management Limited,
Sy. No. 20-2P1, 20-2P2, 20-2P3,
Ravinguntapalli (V), Rapur (M), SPSR Nellore District**

(Herein after referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed Below :

i) Outlet for discharge of effluents:

1.	Out let as per CTO order dt.10.10.2018		
Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1.	Floor washings,	2 KLD	To be recycled after treatment
2.	Land fill operations	10 KLD	After pre treatment, waste water shall be sent to MEE followed by ATFD and MEE condensate shall be used for spraying on landfill/ ash quenching (or into spray drier of the incinerator);salts to secured landfill
3.	Domestic	4 KLD	After treatment in STP, shall be used for Green belt development

ii) Emission from chimneys:

Chimney No.	Description of Chimney	Quantity of emissions at peak flow
1.	Stack attached to Boiler of capacity 0.6 TPH	--
2.	Stack attached to DG Set of capacity 125 KVA	--

iii) HAZARDOUS WASTE AUTHORIZATION (FORM – II) [See Rule 6(2)]:

M/s Coastal Waste Management Project (Unit-2) by M/s. Mumbai Waste Management Limited, Ravinguntapalli (V), Rapur (M), SPSR Nellore District is hereby granted an authorization to operate a facility for collection, reception, transport and disposal of Hazardous waste namely:

- **HAZARDOUS WASTES WITH RECYCLING OPTION:**

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	Waste Type	Stream	Quantity	Mode of disposal
1.	Used oil	5.1 of Schedule - I	1 KL/month	Shall be sent to authorized recyclers.
2.	Container liners, LD covers after detoxification	--	100 TPM	To be disposed to authorized recyclers after detoxification.
3.	MS Drums & HDPE Drums after Detoxification	--	100 TPM	
4.	Package materials	--	50 TPM	

This consent order is valid for the following products along with quantities indicated only:

Phase	Type of Waste	Units	Capacity
Phase1	Hazardous Waste	Secured land fill	548 TPD
		Treatment/Stabilization	383 TPD
	Alternative fuel and Raw material		

This order is subject to the provisions of 'the Acts' and the Rules' and orders made there under and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the 31st August, 2028.

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

To
M/s Coastal Waste Management Project (Unit-2)
by M/s. Mumbai Waste Management Limited,
Sy. No. 20-2P1, 20-2P2, 20-2P3,
Ravinguntapalli (V), Rapur (M),
SPSR Nellore District, Andhra Pradesh.

Copy to:

1. The Joint Chief Environmental Engineer, Zonal Office, Vijayawada for information and necessary action.
2. The Environmental Engineer, Regional Office, SPSR Nellore for information and necessary action.

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1. Any up-set condition in any industrial plant / activity of the facility, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The facility should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The facility shall put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
5. Not with standing anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The facility shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.
7. The facility shall make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 & Authorization under Bio –medical Waste Management Rules, 2016 at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The facility should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.

SCHEDULE - B**Water pollution:**

1. The source of water being Bore well. The following is the permitted water consumption:

S.No	Purpose	Phase - I (in KLD)
1.	Floor washings	2
2.	Hazardous Waste treatment	2
3.	Domestic	5
4.	Green Belt	50
5.	Total	59 KLD

2. Separate meters with necessary pipe-line shall be provided for assessing the quantity of Water used for each of the purposes mentioned below:
 - a. Industrial cooling, boiler feed,
 - b. Domestic purposes.
 - c. Processing, whereby water gets polluted and pollutants are easily bio-degradable.

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- d. Processing, whereby water gets polluted and the pollutants are not easily bio degradable.
3. The facility shall provide and maintain Electro Magnetic flow meters with totalizes at inlet and outlet of collection tank, MEE feed, separately for measuring effluent generation, treatment and recycled.
4. The facility shall comply the following effluent standards based on the disposal points permitted:

Outlet	Parameter	Concentration
3	pH	5.50 – 9.0
	Suspended Solids	200mg/l
	Oil and Grease	10mg/l
	BOD(3 days at 27o C)	100mg/l

5. Separate energy meters shall be provided for Air pollution Control equipments to record energy consumed.
6. The facility shall collect rain water in collection tank and shall be connected to ETP. Under no circumstances effluent / storm water shall be discharged from the industry premises.
7. Adequate numbers of ground water quality monitoring stations by providing piezo meters around the project area shall be set up as per CPCB guidelines within 2 weeks. Sampling and trend analysis monitoring must be made on quarterly basis and report shall be submitted to concerned Regional Office.
8. Rain water runoff from the landfill area and other hazardous waste management areas shall be collected and treated in the effluent treatment plant.
9. Under no circumstances the effluents shall be discharged outside the TSDF premises.

Air Pollution:

10. The facility shall install fume extraction system for the AFRF facility.
11. The facility shall provide scrubber to the 0.6 TPH oil fired boiler.
12. The facility shall provide standby incinerator.
13. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameters	Emission Standards
1.	Particular matter	115 mg/Nm ³

14. The facility shall comply with the following for controlling Fugitive emissions
 - a. Raw material unloading areas shall be provided with dust suppression system.
 - b. All material transfer points shall be provided with dust extraction system with bag filters.
 - c. All the conveyors are shall be covered to prevent the fly off of fugitive dust.
 - d. All internal roads are shall be made pucca to prevent the fugitive dust to vehicular movement.
15. The facility shall take appropriate measures to control odour nuisance in the surroundings and the measures taken shall be reported to Concerned Regional office.
16. Ambient Air Quality monitoring stations shall be setup in the down wind direction as well as where maximum ground level concentration of PM_{2.5}, PM₁₀ SO₂, NO_x & HCL methane & non-methane) are anticipated in consultation with concerned Regional Office.
17. The facility shall comply with ambient air quality standards of PM₁₀ (Particulate Matter less than 10mm) - 100 mg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 mm) - 60 mg/ m³; SO₂ - 80 mg/ m³; NO_x - 80 mg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

Night time (10 PM to 6 AM) - 70 dB (A)

18. The facility shall comply with emission limits for DG sets of capacity upto 800 KW as per the

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Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448 (E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986

General:

19. The facility shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CTE & CTO of the Board.
20. The facility shall maintain a separate Environmental Cell with qualified and trained staff to deal with Environmental issues.
21. The facility shall comply with all the guidelines, directions issued by CPCB, APPCB from time to time.
22. The facility shall conduct ambient air quality monitoring monthly around the TSDF and submit reports to the RO, Nellore and Board office every month.

23. For Landfill operations:

- a. The facility shall take all possible steps or design the land fill storage facility in such a way that it should be open for monitoring or for repair or for intermediary intervention in case of any emergency it arises at any stage of implementation of the project right from inception to the final storage of the land fill site.
- b. During monsoon, the land fill shall be closed and covered with HDPE.
- c. The facility shall design and set up the treatment, storage and disposal facility as per technical guidelines issued by the Central Pollution Control Board in this regard from time to time and shall obtain approval from the APPCB for design and layout in this regard.
- d. Temporary storage sheds shall be provided for receipt and storage of Land fillable waste during monsoon period.
- e. All waste storage structures proposed to be built not less 1-meter above to the 1:100 year flood level (nearest river) to avoid inundation.
- f. Provision shall be made for very good drainage system for safe and fast evacuation of water from the site.
- g. Suitable Steps shall be taken during inundation/submergence due to floods.

29. Alternative Fuel and Raw material:

- a. The mixed waste characteristics shall match with the data sheets of the CPCB.
- b. The facility shall not process odour causing wastes or mercaptans.
- c. The facility shall ensure uniform composition of the alternate fuels and sent to cement plants.
- d. The facility shall transport from member units to their facility in dedicated tankers fitted with GPS tracking devices.
- e. Online manifest system and vehicle tracking system to collection / transportation / dispose of Hazardous waste and shall be connected to website of the Board.
- f. The facility shall not carry out any chemical reaction with hazardous waste.

30. The facility shall get the site notified by the state government as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for establishment of the facility.

31. The facility shall obtain necessary approvals from competent authorities as applicable.

32. The facility shall comply with all CPCB/MOEF&CC guidelines for handling the wastes processed in the facility.

33. The facility shall comply with Protocols for performance evaluation and monitoring of the common hazardous waste treatment storage and disposal facilities evolved by CPCB.

34. The facility shall establish and maintain a sophisticated laboratory for monitoring of effluent, hazardous waste etc.

35. The facility shall be responsible for safe and environmentally sound operation of the facility and its closure and post closure phase, as per guidelines or standard operating procedures issued by the Central Pollution Control Board from time to time.

36. The facility shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.

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37. The facility shall develop green belt in an area of 15.69 acres and with at least 15 meters width of greenbelt along the periphery. Green belt development shall be started along with the construction.
38. The facility shall comply with the guidelines or standard operating procedures issued by the Ministry of Environment, Forest and Climate Change or the Central Pollution Control Board for environmentally sound management of hazardous and other wastes from time to time.
39. The facility shall submit compliance report on the conditions mentioned in the consent order every six months i.e., on 1st of January and July of every year to the Regional Office/ Zonal Office.
40. The facility shall comply with all the directions issued by the Board from time to time.
41. The facility shall submit a copy of policy of Public Liability Insurance (PLI) duly indicating the amount contributed towards Environmental Relief Fund (ERF) to the RO once in six months.
42. The facility shall comply with standards and directions issued by CPCB / MoEF&CC as and when notifications are issued.
43. The facility shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through MoEF & CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.

SCHEDULE - C

[See rule 6(2)]

[CONDITIONS OF AUTHORIZATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

1. All the rules and regulations notified by Ministry of Environment and Forests, Government of India under the E (P) Act, 1986 in respect of management, handling, transportation and storage of the Hazardous wastes should be followed.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
3. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
4. The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
5. The industry shall maintain proper records for Hazardous and Other Wastes stated in Authorisation in FORM-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

To
M/s Coastal Waste Management Project (Unit-2)
by M/s. Mumbai Waste Management Limited,
Sy. No. 20-2P1, 20-2P2, 20-2P3,
Ravinguntapalli (V), Rapur (M),
SPSR Nellore District, Andhra Pradesh.

Signed by B Sreedhar Ias
Date: 30-08-2023 12:50:07
Reason: Approved