

# WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'  
Bldg. No. - 10A, Block - LA, Sector-III  
Salt Lake City, Kolkata-700 098



Consent Letter Number : CO144012

Memo Number : 110 /2S(CON)-2316/2008(Pt-I)

Date : 14/07/2023

## Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and  
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

M/s. West Bengal Waste management Ltd.

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at J.L. NO. 103 & 104,

Mouza- Purba Srikrishnapur, P.S. Sutahata, Dist. Purba Medinipur,

Pin:- 721635

(Detailed address of the manufacturing unit)

for a period from ..... up to 29.02.2028

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.



For and on behalf of the State Board

(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)

Chief Engineer  
W B Pollution Control B

## ANNEXURE

Consent to M/S. West Bengal Waste Management Ltd.  
 for its unit at J.L. No. 103 & 104, Mouza- Purba Srikrishnapur, P.S. Sutahata  
Dist. Purba Medinipur. Pin:- 721635.

**Conditions :**

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month MTA
01	Secured Landfill	1,20,000.00
02	Incineration	10,800.00
03	Waste Stabilization	60,000.00
04	Bailing of waste paper	20,000.00
05	Plastic granules from waste plastic	20,000.00
06	Autoclave	430 litre/day
07	Shredder	40 Kg/hour
08	Organic Compost	5760.00
09	Alternative fuel & Raw Material	25,000.00
10		
11		
12		

02. The *Applicant* shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. **Daily** discharge of industrial liquid effluent shall not exceed zero discharge to be maintained. KL.
04. **Daily** discharge of domestic liquid effluent shall not exceed 9.6 KL.
05. **Daily** discharge of mixed (industrial & domestic) liquid effluent shall not exceed -- KL.
06. The *Applicant* shall discharge liquid effluent to multieffed evaporator & spray dryer (place of discharge) through -- nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the *Applicant* shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The *Applicant* shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the *Standard* as given in Table-I in page 03.

  
 (Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Chief Engineer  
 W. B. Pollution Control Board  
 Dept. of Environment, Govt. of W.B.

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Consent to M/S. West Bengal Waste Management Ltd.  
 for its unit at J.L. NO. 103 & 104, Mouza- Purba Srikrishnapur, P.S. Sutanata  
Dist. Purba Medinipur, Pin:- 721635.

11. The *Applicant* shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the *State Board*.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The *Applicant* shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the *Standard* as given in Table-II below :

Table-II

Stack No.	Stack height from G.I., (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm <sup>3</sup> /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm <sup>3</sup> )	CO (%v/v)			
S-1	30.0	01X HSD fired incinerator (10800MTA)			50				quarterly
S-2	10m (Common Stack)	01X125KVA & 01X500KVA DG sets			150				-Do-
S-3									
S-4									
S-5									
S-6									
S-7									
S-8									
S-9									
S-10									

  
 (Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Chief Engineer  
 W. B. Pollution Control Board  
 Dept. of Environment, Govt. of

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(5)

Consent to M/S. West Bengal Waste Management Ltd.  
for its unit at J.L. No. 103 & 104, Mouza - Purba Srikrishnapur, P.S. Sutahata  
Dist. Purba Medinipur, pin:- 721635.

14. The *Applicant* shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the *State Board's* staff as well as *State Board's* authorised agencies.
15. The *Applicant* shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	H.S.D.	--	DG Set
02	H.S.D.	20Lts.	Incinerator
03			
04			
05			

16. The *Applicant* shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below:- as per annexure attached

Type of waste	Quantity	Treatment	Disposal

17. The *Applicant* shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) $L_{eq}$
Day Time (06 a.m. to 10 p.m.)	75
Night Time (10 p.m. to 06 a.m.)	70

18. The *Applicant* shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.
19. The *Applicant* shall bring about at least 33% of the available open land under the green coverage / plantation.
20. The *Applicant* shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the *Applicant* to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the *Applicant* shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.
21. The *Applicant* shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.
22. The *Applicant* shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
23. The *Applicant* shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Chief Engineer  
W. B. Pollution Control Board  
Dept. of Environment, Govt. of West Bengal

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Consent to M/S. West Bengal Waste Management Ltd.  
 for its unit at J.L. No. 103 & 104, Mouza - Purba Srikrishnapur, P.S. Sutahata,  
Dist. Purba Medinipur, Pin:- 721635.

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in ..... from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.
27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The *Applicant* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

#### Additional Conditions

Refer to annexure - I attached.

(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)

Chief Engineer  
 W. B. Pollution Control Board

Issued to **M/s West Bengal Waste Management Ltd., J.L. 103 & 104, Mouza- Purba Shrikrishnapur, P.S. Sutahata, Dist: Purba Medinipur, Pin: 721635**

### 1. Flue Gas Emission Standards

Gaseous Emission Norms for Common Hazardous Waste Incinerators notified as Environment (Protection) Fifth Amendment Rules, 2008 dated June 26, 2008:

1	2	3	4	5
		A. Emission		
	Common Hazardous Waste Incinerator		Limiting concentration in mg/Nm <sup>3</sup> , unless stated	Sampling Duration in (minutes) unless stated
		Particulate Matter	50	30
		HCL	50	30
		SO <sub>2</sub>	200	30
		CO	100	30
			50	24 hours
		Total Organic Carbon	20	30
		IIF	4	30
		NOx (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	400	30
		Total dioxins and furans	0.1 ng TEQ/Nm <sup>3</sup>	8 hours
		Cd+ Th + their compounds	0.05	2 hours
		Jig and its compounds	0.05	2 hours
		Sb + As + Pb + Co + Cr + Cu + Mn + Ni + V -4 their compounds	0.05	2 hours
		Notes:		
		I.All monitored values shall be corrected to 11 % oxygen on drybasis.		
		II.The CO <sub>2</sub> concentration in tail gas shall not be less than 7%.		
		III.In case, halogenated organic waste is less than 1 % by weight in input waste, all the facilities in twin chamber incinerators shall be designed to achieve a minimum temperature of 950 °C in secondary combustion chamber and with a gas residence lime in secondary combustion chamber not less than 2 (two)seconds.		
		IV.In case, halogenated organic waste is more than 1 % by weight in input waste, waste shall be incinerated only in twin chamber incinerators and all the facilities shall be designed to achieve a minimum temperature of 1100 °C in secondary combustion chamber with a gas residence time in secondary combustion chamber not less than 2 (two) seconds.		
		V.Incineration plant shall he operated (combustion chambers) with such temperatures, retention time and turbulence, as to achieve Total Organic Carbon (IOC) content in the slag and bottom ashes less than 3 %, or their loss on ignition is less than 5 % of the dry weight		

**2. Waste acceptance criteria for disposal of hazardous waste into the secured landfill is as below:**

Leachate Quality	Concentration
pH	4-12
Total phenols	< 100 mg/l
Arsenic	<1 mg/l
Lead	<2 mg/l
Cadmium	<0.2 mg/l
Chromium VI	<0.5 mg/l
Copper	<10 mg/l
Nickel	< 3 mg/l
Mercury	<0.1 mg/l
Zinc	<10 mg/l
Fluoride	< 50 mg/l
Ammonia	< 1.000 mg/l
Cyanide	< 2mg/l
Nitrate	<30 mg/l
Adsorbable organic bound Chlorine	<3 mg/l
Water soluble compounds except salts	<10 %
Calorific Value	<2500kcal/kg
<b>Strength</b>	
Transversal strength (Vane Testing)	>25 KN/m <sup>2</sup>
Unconfined Compression Test	>50 KN/m <sup>2</sup>
Axia deformation	< 20%
<b>Degree of Mineralization or Content of Organic Materials (Original Sample)</b>	
Annealing loss of the dry residue at 550°C	< 20% by weight (for non-biodegradable waste) < 5% by weight (for-biodegradable waste)
Extractable Lipophilic contents (Oil & Grease)	< 4% by weight

- Leachate quantity is based on Water Leach Test
- Calorific value of the landfillable hazardous wastes should be less than 2500 K. Cal/Kg.

**General conditions:**

1. The rejects produced from the pre-processing facility, if any, shall be disposed through own hazardous waste treatment & disposal facility of the unit.
2. The pre-processing area must have impervious concrete floor and should be adequately covered to avoid exposure of rain to the material being stored and handled while pre-processing.
3. Fume extraction systems with vacuum ducts and fume hoods should be installed at receiving pits/tanks, mixing units, blending units, shredders, transfer points, dryers, impregnation units, granulators, pelletizes, crushers, grinders, blenders etc. where there is source of such emissions. Such fume



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extraction system should be connected to scrubbers/bagfilters/VOC emission control through carbon adsorption, thermal or biological treatment etc. depending on type of emissions. The cleaned gases should be vented through ID fan and stack.

4. A fire protection system of approved design should be in place in the storage and pre-processing area.
5. The storage, handling and pre-processing facility should be so designed that there should be no contamination of the storm water with the spillage or leachate from the storage, handling and pre-processing area.
6. The electrical and instrumentation fitting should be conforming to the standards.
7. The facility must have appropriate odor control facility to deal with the odor nuisance.
8. Emergency showers and eye wash stations should be provided within the storage, handling and pre-processing work area for immediate emergency use following exposure to the wastes.
9. Abatement techniques should be in place for control of noise to required levels.
10. All other conditions including waste collection, transport, waste reception & acceptance, packaging, labelling; laboratory facilities, minimal requisite infrastructure facilities & operation; controls measures for spillage/leakage control, storage and handling requirements for hazardous shall be in accordance with the 'Guidelines for pre-processing and co-processing of Hazardous and Other Wastes in Cement Plant as per H&OW (M & TBM) Rules, 2016' issued by CPCB in July, 2017.
11. Incinerable hazardous wastes shall not be stored on site for more than 3 months without prior permission of the State Board.
12. The unit shall submit the 'Letter of Intimation' to the State Board as per 'Annexure-5' of the 'Guidelines for pre-processing and co-processing of Hazardous and Other Wastes in Cement Plant as per H& OW (M &TBM) Rules, 2016' issued by CPCB in July, 2017 when new wastes are introduced for pre-processing which are not mentioned in while seeking authorization.
13. In-house utilization of products of Alternative fuel & Raw Material Facility is strictly prohibited. The unit shall send entire products to cement plants for co-processing through manifest (Form-10) system.
14. The unit shall maintain appropriate date wise & waste wise records of receipt, pre-processing and stock of wastes and submit the same for scrutiny on demand.
15. The unit shall file returns on a yearly basis to the State Board towards the pre-processing of all the hazardous wastes carried out in its Alternative fuel & Raw material facility alongwith with Form 10 for receiving wastes and sending end products.
16. The unit shall submit detail of infrastructure for pre processing in the "Format for verifying adequacy of the infrastructure for Pre-processing/Co-processing of waste materials" mentioned in 'Guidelines for pre-processing and co-processing of Hazardous and Other Wastes in Cement Plant as per H&OW (M & TBM) Rules, 2016' issued by CPCB in July, 2017.
17. The unit shall obtain hazardous waste authorization for Alternative Fuel & Raw material Facility
18. The unit shall conduct a preliminary hazard analysis. The unit shall also conduct Safety Audit internally in every year and externally once in two years by a reputed expert agency and same shall be submitted to the State Board. The code of practice and reporting shall comply to IS 14489.
19. During Covid period it was requested to all the Common Bio-medical Waste Treatment facility to install a stand by incinerator so that bio-medical waste was not accumulated in case of breakdown of existing incinerator. The stand-by incinerator shall only be operated during such situation (breakdown of the existing incinerator/pandemic situation like covid) for incineration of bio-medical waste. The capacity of incinerator of Bio-medical waste shall remain within the authorized quantity as permitted by the State Board. In case of any additional installation/continuous operation the unit shall obtain Environmental Clearance, NOC and Consent to Operate separately. The unit is not permitted to incinerate hazardous waste in stand by incinerator under any circumstances.
20. Emission standard for DG Set shall be as per Environment (Protection) Third Amendment Rules, 2022 dated 03.11.2022 and as amended thereafter.
21. The CHWTSDF Operator shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than

- 75dB(A) during day time and 70 dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and night-time is reckoned between 10 p.m. and 6 a.m.
22. Monitoring of ambient air quality, ground water & surface water quality and soil shall be as per the HWOM Rules, 2016 and protocol/guidelines issued by CPCB.
  23. CEMS data shall be transmitted to CPCB and to the State Board.
  24. For production of plastic granules from waste plastic the unit shall follow all the provisions of Plastic Waste Management Rules, 2016 and as amended thereafter.
  25. For bailing of waste paper the unit shall follow all the provisions of Solid Waste Management Rules, 2016 and as amended thereafter.
  26. Domestic solid waste shall be disposed as per of Solid Waste Management Rules, 2016 and as amended thereafter.
  27. Closure and post closure facilities of CHWTSDF shall be as per the HWOM Rules, 2016 and as amended.
  28. The CHWTSDF operator shall strictly abide by with all other conditions as mentioned in Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amended thereafter. Guidelines for Common Hazardous waste incinerator published in June, 2005 and Protocol for performance evaluation and monitoring of the common hazardous waste treatment storage and disposal facilities including common hazardous waste incinerators published in May 2010 shall be strictly followed. Also guidelines/ directions issued by CPCB and order of Hon'ble National Green tribunal issued time to time shall be strictly abided by.
  29. No expansion activity is permitted without prior permission of the State Board.
  30. Consent will be revoked in case of non-compliances with any of the above conditions.



[Chief Engineer]

West Bengal Pollution Control Board

Chief Engineer  
W. B. Pollution Control Board  
Dept. of Environment, Govt. of W.B.