BRIHANMUMBAI MUNICIPAL CORPORATION

Chief Engineer (Solid Waste Management) Project

No.Ch.Eng./ 3202 **/ SWM/Project dtd.** 29/09/2025

Office of the
Chief Engineer (SWM) Project
Bai Padmabai Thakkar Marg,
Kotwadi, Mahim (Shivaji Park),
Mumbai–400016.

To,
Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (WZ),
Ground Floor, East wing, New secretariat building,
Civil line,
Nagpur – 440001

Sub: Submission of Environmental Statement Form V for the financial year ending with 31st March 2025 in respect of the stipulated prior Environment Clearance terms and conditions in the revised Environment Clearances (E.C) accorded for the modernization of MSW processing and disposal facility of capacity 4000 TPD- 7500 TPD at Kanjur, Mumbai.

Ref:
1. Revised Environmental Clearance issued by State Level Environmental Impact Assessment Authority (SEIAA) vide no. SEAC-2014/CR-162/TC2dtd. 05.12.2014.
2. Environment Clearance issued by State Level Environment Impact Assessment Authority (SEIAA) vide no. SEIAA-EC-0000000475, dtd. 29.10.2018.
3. Letter received from M/s. Antony Lara Enviro Solutions Pvt. Ltd. U/No. ALESPL/KS/BMC/055/25-26, dtd, 21.08.2025.

This has reference to the conditions of revised environmental clearance issued for proposed modernization of MSW processing and disposal facility of capacity 4000 TPD -7500 TPD at Kanjur, Mumbai.

In this context, operator of the Kanjur facility M/s. Antony Lars Enviro Solutions Pvt.Ltd. has submitted the hard copy of Environmental Statement Form V for the financial year ending with 31st March 2025 to BMC vide ref. no. 3 above. After checking, BMC is hereby submitting the hard copy of Environmental Statement Form V for the financial year ending with 31st March 2025 in respect of the stipulated prior environment clearance terms and conditions in the revised environment clearance (E.C) accorded for the modernization of MSW and disposal facility of capacity 4000 TPD- 7500 TPD at Kanjur, Mumbai.

Submitted please.

Yours faithfully,

Chief Engineer(SWM)Project
29/9/2025

ANNEXURE

ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

Environmental Statement for the financial year ending with **31st March 2025**

PART-A

i. Name and address of the owner/ occupier of the industry operation or process.	**Brihanmumbai Municipal Corporation,** Integrated Solid Waste Management Site, Off Eastern Express Highway, Near Kannamwar Nagar, Kanjur (E), Mumbai - 400042. Operator- M/s. Antony Lara Enviro Solutions Pvt. Ltd.
ii. Industry category:	Primary- (STC Code) Secondary- (STC Code) – NA
iii. Production Capacity–	Municipal Solid Waste processing 7500 MTD Bio reactor Plant -6500 MTD Windrows Composting Plant-1000 MTD
iv. Year of establishment -	2009
v. Date of the last environmental statement submitted. -	01-10-2024 for the year 2023-2024.

PART –B

Water and River Material Consumption

I. Water consumption in M^3/day

Process: 30 m^3/Day

Cooling: NIL

Domestic: 81.54 m^3/Day

i) Name of Products	Process Water Consumption Per Unit of Products	
	During the Financial Year April 2023- March 2024	During the Current Financial Year April 2024- March 2025
1. City Compost	0.86 m^3 /Ton	0.86 m^3 /Ton

1 Substituted by Rule 2 (b) of the Environment (Protection) Amendment Rules, 1993 notified vide G.S.R 3'6 (E) dated 22.04.1993.

ii. Raw material consumption

Name of Raw materials*	Name of Products	Consumption of Raw material per unit of output	
		During the Financial Year April 2023- March 2024	During the Current Financial Year April 2024- March 2025
Municipal Solid Waste (un-segregated) Fresh	City Compost	19.59 Ton/Ton of city	18.99 Ton/Ton of city compost
Municipal Solid Waste (un-segregated) from Biodegradably Stabilized BLF Cells	City Compost	10.31 Tons/Ton of City Compost	NA
Municipal Solid Waste (un-segregated) from active BLF Cells	Landfill gases	1.25 Ton /M^3 of gas generated.	1.75 Ton/M^3 of gas generated.
Municipal Solid Waste (un-segregated) from active BLF Cells	Electricity	6.98 Ton/unit of electricity	1.35 Ton /unit of electricity.

*Industry may use codes if disclosing details of raw material would violate contractual Obligations otherwise all industries have to name the raw materials used.

PART-C

Pollutants Discharged to environment/unit of output (Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants Discharged (mass/day)	Concentration of Pollutants Discharged mass/volume	Percentage of Variation from Prescribed Standards with Reasons.
(a) Water	Nil	Nil	Nil
(b)Air	Nil	Nil	Nil

As per MoEF & NABL accredited Laboratory reports, all the parameters analyzed are within prescribed limits.

PART-D

HAZARDOUS WASTES

(As specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the Previous Financial Year April 2023- March 2024	During the Current Financial Year April 2024- March 2025
1. From Process	Not applicable	Not applicable
2. From Pollution Control Facilities	Not applicable	Not applicable

PART – E

Solid Waste

		Total Quantity (Kg/Ton)	
		During the previous financial year April 2023-March 2024	**During the current financial year April 2024- March 2025**
a. From process		NIL	NIL
b. From Pollution Control Facility (Sludge from LTP)		45.00 Ton	26.06 Ton
c.(1) Quantity recycled or re-utilized within the unit.		45.00 Ton	26.06 Ton
(2) Sold	Plastic Bags	680.00 Ton	1121.610 Ton
	Pet-bottles	138.05 Ton	299.520 Ton
	Mixed Plastic	30.90 Ton	180.540 Ton
	Non-ferrous -Glass	59.23 Ton	73.890 Ton
	Metal	177.94 Ton	206.870 Ton
	E-waste	0.61 Ton	1.260 Ton
	Others	321.52 Ton	125.738 Ton
	RDF	129913.00 Ton	153479.77 Ton
(3) Disposed Land filled material at Sanitary Landfill (SLF)*		10069.82 Ton	201905.30 Ton

*ISWM Facility at Kanjur is processing MSW received from Municipal Corporation of Greater Mumbai and only processing of the received Municipal Solid Waste is done.

PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous solid waste as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous waste is not received at this Integrated Solid Waste Management Site at Kanjur, Mumbai.

Metal, Plastic, Glass, RDF, Coconut shell, Paper scrape, Chappal, Sponge, Thermocol, Tires, Wood Chips etc. are recycled through vendors.

Inerts generated after Bio-mining are used in BLF Cells as cover. Sludge generated is diverted to BLF cells for enrichment of Microbes.

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

Conservation of natural resources-

Due to the scientific design of bioreactor landfill with the arrangement of impervious lining at the bottom along with leachate collection arrangement has protected the ground water from contamination.

Due to Scientific land filling, the emission of greenhouse gases admeasuring 2459.905 Tons/Year Methane i.e., 61497.621 equivalent CO_2 Ton/year is controlled. Also, part of landfill gas is converted into electricity which is used as captive power thus natural conventional fuels are saved.

The use of culture-based bio-enzyme for spraying during unloading and spreading MSW at landfill site before compacting and blanketing with soil cover, the generation of smell nuisance is controlled and enhances the Biodegradation.

The arrangement of Mist spraying, around MSW unloading area, leachate treatment plant by using diluted solution helps in minimizing odor nuisance from VOC / Mercaptans / H_2S etc.

Spreading of soil cover blanket on inactive area of MSW helps in controlling odor and enhances biological activity due to the controlled temperature inside Bio-reactor Land Fill Cell.

The leachate is collected in 2 Nos. of impervious ponds. Leachate Treatment Plant installed on ISWM Project Site, Kanjur is fully working. This helps in conservation / protection of surface water and ground water in surrounding areas. Use of technology for avoiding denitrification process by using special bio-culture has reduced the chemical consumptions.

The segregation into Recyclables, RDF and composting of Organic rich MSW at the compost plant helps improving economy of the project and the composted material obtained is used by vendors in soil improvement, thus natural resources are conserved.

During the year new 1000 numbers of plants were planted and the regular maintenance of about 12096 numbers of peripheral plants along the boundary wall of the project in two rows has helped in arresting the smell spreading during the winter season.

Impact of abatement measures on cost is as shown below:

Sr. No.	Particular	Total Rs. in Lakh
1	Bio-enzyme	41.42
2	Misting	369.21
3	LTP	80.00
4	Captive Power generation	26.20
5	Expenditure on environmental monitoring & analysis for checking compliance	46.16
6	Dust suppression	19.18
7	Plantation	23.29
8	Website Maintenance for information to Public	1.50
	Total (Rs.)	**606.96**

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution.

Sr. No.	Particular	Total Rs. in Lakh
1	Plantation	05.00
2	Pollution measuring meter	00.50
3	Fogging Canon system	10.00
	Total (Rs.)	**15.50**

PART-I

Miscellaneous:
Any other particulars in respect of environmental protection and abatement of pollution.

Recycle of carbon from stabilized composted solid waste into soil will help in improving quality of soil.

Ch. Eng.(SWM) Project
29/9/2023