



# कार्यालय नगर पालिक निगम, बिलासपुर (छ.ग.)

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क्र. ५१२ / न.पा.नि. / यो.प्र. / 2023-24

बिलासपुर दिनांक 21/06/2023

To,

The Member Secretary,  
Chhattisgarh Environment Conservation Board.  
Raipur, Chhattisgarh

Sub: Submission of Environmental Statement Form V for FY 2022-23

Dear Sir,

We, Municipal Corporation Bilaspur, herewith submitting the Environmental Statement (Form – V) For FY 2022-23 as per the Consent to operate condition and also provision of the environmental protection act 1986.

Thanking You.

You're sincerely

For Municipal Corporation Bilaspur

Addl. Commissioner  
Authorized Signatory  
Bilaspur (C.G.)  
Enclosure: as above



CC → RO, CECB, Bilaspur, C.G.

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(See rule 14)

Environmental Statement for the Financial Year Ending the 31<sup>st</sup> March 2023PART -A

i.	Name & Address of the Industrial unit/Project	Delhi MSW Solutions Ltd.- MSW process and disposal plant (Composting, RDF,& Sanitary Landfill facility ) Plot No. 1052/1359,Village Kacchar,Sendri,Amtararoad,Bilaspur.(C.G) 495009
ii.	Name & address of the owner/occupier of the industry operation or process	The Commissioner, Municipal Corporation Bilaspur VikashBhavan, NehruChowk, Bilaspur Chhattisgarh. 4950101
iii.	Industry category primary-STC Code Secondary – (SIC Code)	Red Category
iv.	Production Capacity Units	150 TPD Composting Plant, 100 TPD RDF Plant Processing & Disposal Plant
v.	Year of Establishment	2019
v.	Date of the last environmental statement submitted	NA

## Water &amp; Raw Material Consumption:

1. Water Consumption M<sup>3</sup>/ Day

S.NO	Description	Water Consumption Day M <sup>3</sup> / Day
1.	Process- Treated Leachate (Using for windrow Process and Landfill Soil Compaction)	10
2.	Cooling	Nil
3.	Domestic	5
4.	Gardening	5

Name of the Products	Process water consumption in M3 per ton of the product output	
	During the previous Financial Year in MT	During the Current Financial year in MT
Compost	0.85	0.90

## 2. Raw Material Composition :

Name of Raw Materials	Name of Products	Consumption of raw Material per Unit	
		During the previous Financial Year	During the current Financial Year
Solid Waste		75677	74963
	Compost	3783.8	4055

Part -C

Pollution discharged to environmental/ unit of out put  
(Parameters as specifies in the consent issued)

Pollutants	Quantity of Pollutants Discharged (mass/day)	Concentration of pollutants in discharge (mass/volume)	Percentage of variation from prescribed standards with reason
Water	Plant follows the zero liquid discharge concepts and hence the generated waste water is treated and reused in the plant itself. MEE Plant has been installed for treatment of waste water.		
Air	As per annexure -1 AAQ monitoring reports		

Part-D

Hazardous Waste

(As specification under Hazardous wastes/management & handling rules, 1989)

Hazardous Waste	Total Quantity in (Kg)	
	During the previous Financial year	During the Current Financial year
a. From process	Nil	Nil
b. From pollution Control Facility	Nil	Nil

Part -E

Solid Wastes

Solid waste generation	Total Quantity in Kgs	
	During the previous Financial Year	During the current Financial Year
a. From process	15250	14522
b. From pollution Control Facility		Nil
c. 1. Quantity Recycled or reutilized within the units		
2. Sold		Nil
3. Disposal	15250	14522(Residual inerts are being disposed in scientific landfill)

Note: Inerts generated during Municipal Solid Waste Processing is dispose in scientific landfill.

#### Part-F

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

MSW is processed to segregate RDF, recoverable, then converting other degradable material to compost and during the process, the residual inert material will be separated and finally disposed off scientifically in secured landfill in scientific manner as per SWM rules 2016. There are four landfill cells proposed and currently cell B of area 10117.17 Sq. Mt is in operation.

#### Part-G

##### **Impact of the pollution abatement measure taken on conservation of natural resources & on the cost of production.**

- Facility itself is a process designed for environmental safeguard for treatment and disposal of municipal solid waste.
- Extensive tree plantation inside the premises, which is still continuing till also as a part of green belt development, which will control the impact of Air pollution and optimize the ambient temperature of surrounding area.
- We have constructed the rain water collecting ponds in our plant premises to collect surface run off water from roof top and roads and are utilizing in green belt development.
- Treated waste water is also utilized for horticulture and dust suppression, thus minimizing the freshwater consumption.

#### Part-H

##### **Additional measure /investment proposal for environmental protection including abatement of pollution prevention of pollution.**

- For better control on fugitive emission, water spraying is being done on unpaved internal roads except during rainy season.
- Adoption of good house- keeping practices, in which proper systematic stacking & movement of construction materials, packing material etc. has been implemented.
- All the internal roads have been made puccain order to reduce dust.
- Leachate Treatment Plant with MEE has been installed to treat waste water generating from processing of municipal solid waste.

#### Annexure-I

##### **AAQ Monitoring Results:**

##### **Location-1 near Main gate Area:**

S.No	Parameters	Jan-22	Sep-22	March-23	NAAQM Standards
1	PM 10 ( $\mu\text{g}/\text{m}^3$ )	89	88	85	<100
2	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	49	49	45	<60
3	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	12.2	8.7	9.2	<80
4	CO ( $\mu\text{g}/\text{m}^3$ )	967	612	984	<2000
5	NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	14.8	44.4	58.1	<400
6	CH <sub>4</sub> ( $\mu\text{g}/\text{m}^3$ )	<0.5	<0.5	<0.5	--

Location -2 near LTP Plant:

S.No	Parameters	Jan-22	Sep-22	March-23	NAAQM Standards
1	PM 10 ( $\mu\text{g}/\text{m}^3$ )	82	69	76	<100
2	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	43	37	67	<60
3	SO2 ( $\mu\text{g}/\text{m}^3$ )	9.8	7.6	8.4	<80
4	CO ( $\mu\text{g}/\text{m}^3$ )	782	712	858	<2000
5	NH3 ( $\mu\text{g}/\text{m}^3$ )	12.2	36.4	88	<400
6	CH4 ( $\mu\text{g}/\text{m}^3$ )	<0.5	<0.5	<0.5	--

Location-3 near 75 MM Trommel:

S.No	Parameters	Jan-22	Sep-22	March-23	NAAQM Standards
1	PM 10 ( $\mu\text{g}/\text{m}^3$ )	88	76	76	<100
2	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	47	40	60	<60
3	SO2 ( $\mu\text{g}/\text{m}^3$ )	7.6	8.0	9.0	<80
4	CO ( $\mu\text{g}/\text{m}^3$ )	656	662	789	<2000
5	NH3 ( $\mu\text{g}/\text{m}^3$ )	<10.0	38.5	63.8	<400
6	CH4 ( $\mu\text{g}/\text{m}^3$ )	<0.5	<0.5	<0.5	--