Office of Municipal Corporation, Raipur (C.G.)

Municipal Corporation Head Quarter Building, Near Gandhi maidan, Raipur (C.G.)

Letter No. 1112 /NNR/SWM/2023-24 Raipur, Dated : 20 /04 /2023

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

Sub: Submission of Environmental Statement Form V for FY 2022-2023

Dear Sir,

Please find (Form-V) For FY 2022-2023 as submitted by concessionaire by M/s Delhi MSW Solutions Ltd here with submitting the Environmental Statement as per the Consent to operate condition and also provision of the Environmental Protection act 1986.

Thanking you

Executive engineer (SWM)
Raipur Municipal Corporation

कार्यपालन अभियंता
नगर पालिक निगम
रायपुर (छ.ग.)

Enclosure: as above

H.O. C.G. Environment Conservation Board
21/4/23
Atal Nagar, Distt.-Raipur (C.G.)

[Form-V]

(See rule 14)

Environmental Statement for the Financial Year 22-23

Part - A

i.	Name & Address of the Industrial unit/Project	Delhi MSW Solutions Ltd.- MSW Process and Disposal Plant (Composting,RDF & Sanitary landfill facility) Address- Khasra No.775, Near PirdaChowk, Dhansooly Road, Sakri, Raipur-493111
	Name & address of the owner/occupier of the industry operation or process	Mr. Yogesh kumar S/o Akhilesh Prasad Singh Address- Khasra No.775, Near PirdaChowk, Dhansooly Road, Sakri, Raipur-493111
ii.	Industry category primary – STC Code Secondary – (SIC Code)	Red Category
iii.	Production Capacity Units	1200 TPD MSW Processing & Disposal Plant
iv.	Year of Establishment	2020
v.	Date of the last environmental statement submitted.	04.10.2021

Part - B

Water & Raw Material Consumption:

1. Water Consumption M^3 / Day

S.No	Description	Water Consumption M^3 / Day
1	Process- Treated Leachate (Using for Windrow Process and Landfill Soil compaction)	40
2	Cooling	Nil
3	Domestic	6
4	Boiler	Nil
5	Gardening	30

Name of Products	Process water consumption in M^3 per ton of product output
	During the previous Financial Year 22-23 in MT
Compost	0.75 M^3/MT

2. Raw Material Composition:

Name of Raw Materials	Name of Products	Consumption of raw Material per Unit
		During the previous Financial Year 22-23
Solid waste	Solid waste	2,65,831
Compost	Compost	5604

Part - C

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

1-Pollutants	Quantity of Pollutants Discharged (mass/day)	Concentration of Pollutants in Discharge (mass/volume)	Percentage of variation from prescribed standards with reasons
(a)Water	Plant follows the zero liquid discharge concept and hence the generated waste water is treated and reused in the plant itself.		
(b)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 (Tons)
	During the previous Financial Year 22-23
a. From process	Nil
b. From Pollution Control Facility	Nil

Part E-
Solid Wastes

Solid Waste Generation	Total Quantity in Tons During the previous Financial Year 22-23
a. From process	48,134
b. From Pollution Control	NA

Facility	
c. 1. Quantity Recycled or reutilized within the units	NA
2. Sold	Nil
3. Disposal	48,134 Tons (Residual inert being disposed into the scientific landfill)

Part - F

Please specify the characterizations (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*

Part - G

Impact of the pollution abatement measure taken on conversation 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.*

Part - H

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

- *More* than *3000 no of plants/ sapling were planted in FY 22-23.*

Annexure-I: AAQ Monitoring Results:

Location-1 Near Tipping Floor Area:

S.No	Parameter	May-2022	Sep-22	Nov-2022	Feb-2023	NAAQM Standards
1	PM 10 (µg/m3)	72	68	81	88	< 100
2	PM 2.5 (µg/m3)	38	47	53	50	< 60

3	SO2 (µg/m3)	9.4	7.4	7.9	8.3	< 80
4	CO (mg/m3)	0.744	0.576	0.629	0.721	< 2
5	NH3 (µg/m3)	46.3	29.6	31.4	33.6	< 400
6	CH4 ppm	<0.5	<0.5	1.8	1.8	--

Location -2 Near Windrow Area :

S.No	Parameter	May-2022	Sep-22	NAAQM Standards
1	PM 10 (µg/m3)	78	70	< 100
2	PM 2.5 (µg/m3)	39	40	< 60
3	SO2 (µg/m3)	9.8	8.9	< 80
4	CO (mg/m3)	0.915	0.585	< 2
5	NH3 (µg/m3)	52.2	32.6	< 400
6	CH4 ppm	<0.5	<0.5	--

Location-3 Near Main GATE:

S.No	Parameter	May-2022	Sep-22	Nov-2022	Feb-2023	NAAQM Standards
1	PM 10 (µg/m3)	82	68	85	91	< 100
2	PM 2.5 (µg/m3)	46	43	50	54	< 60
3	SO2 (µg/m3)	9.1	9.6	10.2	9.8	< 80
4	CO (mg/m3)	0.972	0.668	0.801	0.824	< 2
5	NH3 (µg/m3)	46.2	48.0	53.1	55.1	< 400
6	CH4 ppm	<0.5	<0.5	2.5	2.2	--

Location-3 Near Admin Block:

S.No	Parameter	Feb-2023	NAAQM Standards
1	PM 10 (µg/m3)	96	< 100
2	PM 2.5 (µg/m3)	58	< 60
3	SO2 (µg/m3)	10.2	< 80
4	CO (mg/m3)	0.744	< 2
5	NH3 (µg/m3)	38.6	< 400
6	CH4 ppm	2.7	--

नगर पालिक निगम
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