

DELHI MSW SOLUTIONS LTD.

(A Ramky Group Venture)

Duplex House No. 1, In Front of Impressive Homes, Near Dronacharya Public School New Rajendra Nagar, Rajpur (Chhattisgarh) Pin Code - 492006 Phone - 0771-4024970

DMSWSL/P/RAIPUR/13062023/265 13.6.2023 To

The Executive Engineer
Raipur Municipal Corporation (RMC)
Nagar Nigam Head Office,
Near Mahila Thana, Gandhi Udyan
Raipur-492001

Project: Integrated Municipal Solid Waste Management Project Raipur Municipal Corporation State of Chhattisgarh through Public Private Partnership on Design, Build, Finance, Operate and Transfer (DBFOT) basis.

Sub: Submission of Form 3 as per the SWM rules 2016

Dear Sir,

We are hereby submitting the form -3 as per the terms & conditions of SWM rules 2016

Thanking you and assuring you of our best services at all times.

Yours faithfully,

Authorized Signatory

For Delhi MSW Solution Ltd.



Form – III

[see rule 19 (6), 24 (1)]

Format of annual report to be submitted by the operator of facility to the local body

1.	Name of the City/Town and State	Raipur
2.	Population	14 Lakh approximate
3.	Area in sq. kilometers	178 SQ Km
4.	Name & Address of the local body Telephone No.: Fax No.: E-mail:	Executive Engineer, Raipur Municipal Corporation, Mahatma Gandhi sadan, Raipur
5.	Name and address of operator of the facility	Delhi MSW Solutions Ltd
6.	Name of officer in-charge of the facility Phone No.: Fax No.: E-mail:	Yogesh Kumar 9958366444 Yogesh.kumar@resustainability.com
7.	Number of households in the city/town, Number of non-residential premises in the city Number of election/administrative wards in the city/town	2,96,000
8.	Quantity of Solid waste	520TPD
	Estimated of solid waste generated in the local body area per day in metric tones	575/tpd
	Quantity of solid waste collected per day	520/tpd (50 TPD inside composting)
	Per capita waste collected per day	400/gm/day
	Quantity of solid waste processed	520/tpd
	Quantity of solid waste disposed at landfill	Nil
9.	Status of Solid Waste Management (SWM) service	
	Segregation and storage of waste at source	
	Whether solid waste is stored at source in	Yes
	domestic/commercial/institutional bins If yes,	
	Percentage of households practice storage of waste at	100 %

source in domestic bins					
Percentage of non-residential premises practice			100 %		
storage of waste at source in commercial/institutional					
Bins			100%		
Percentage of households dispose of throw solid waste			0 %		
on the streets					
Percentage of non-residential premises dispose of			No		
throw solid waste on the streets			0 %		
Whether solid waste is stored at source in a segregated					
Form					
If yes, Percentage of premises segregating the waste at			100%		
Source					
Door to Door Collection of solid waste			Yes		
Whether door to door collection (D2D) of solid waste is			Yes		
being done in the city/town					
If yes					
Number of wards covered in D2D collection of waste			70		
No. of households covered			2,96,000		
No. of non-residential premises including commercial			45,000		
establishments, hotels, restaurants educational					
institutions/offices etc covered					
Percentage of residential and non-residential premises					
covered in door to door collected through:			100%		
Motorized vehicle			100%		
Containerized tricycle/handcart			NA		
Other device	Wł	neel bi	n/Refuse o	compac	tor
If not, method of primary collection adopted					
Sweeping of streets	Scope of RMC Km				
Length of roads, streets, lanes, bye-lanes in the city					
that need to be cleaned				٠	
	Frequency	Daily	Alternate	Twice	Occasionally
riequency of street sweepings and percentage of			Days	a	

population covered	week	
*	% of	
	population covered	
Tools used	%	
Manual sweeping	%	
Mechanical sweeping	Yes/No	
Whether long handle broom used by sanitation		
Workers	Yes/No	
Whether each sanitation worker is given		
handcart/tricycle for collection of waste	Yes/No	
Whether handcart/tricycle is containerized	Yes/No	
Whether the collection tool synchronizes with		
collection/waste storage containers utilized		
Secondary Waste Storage facilities		
No. and type of waste storage depots in the city/town	No. Capacity in m ³	
Open waste storage sites		
Masonry bins	9 (transfer stations)	
Cement concrete cylinder bins		
Dhalao/covered rooms/space		
Covered metal/plastic containers		
Upto 1.1 m³ bins		
2 to 5 m ³ bins		
Above 5m³ containers		
Bin-less city		
Bin/population ratio	Bin free	
Ward wise details of waste storage depots (attach):	T	
Ward No:	Total 70 wards	
Area:		
Population:		
No. of bins placed		
Total volume of bins placed		

Total storage capacity of waste storage facilities in	2 bin each transfer st	ation 32 cubic meter
cubic meters		
Total waste actually stored at the waste storage depots		
daily		
Give frequency of collection of waste from the depots	Frequency	No. of bins
Number of bins cleared	Daily	
	Alternate day	
	Twice a week	
	Once a week	
	Occasionally	
Whether storage depots have facility for storage of	Yes/No	
segregated waste in green, blue and black bins	(if yes, add details)	
	No. of green bins:	
	No. of blue bins:	
	No. of black bins:	
Wholes		
Whether lifting of solid waste from storage depots is	(5) of Manual	
manual or mechanical. Give percentage	Lifting of SOLID	Mechanical
	WASTE	
	(%) of Mechanical	
	lifting	100 %
If mechanical – specify the method used	Hook lifting	
Whether solid waste is lifted from door to door and	Through transfer stations	
transported to treatment plant directly in a segregated		
form		
Waste Transportation per day	No. Trips 40	
Type and Number of vehicles used (pl tick or add)	made Waste	
Animal cart	Transported	
Tractors		
Non tipping Truck		

Tipping Truck	6 hook lifters
Dumper Placers	
	29 poratable compactors
Refuse collectors	7 Refuse compactors
Compactors	
Others	3 Hyva
JCB/loader	
Frequency of transportation of waste	Frequency (100%) of waste
	transported Daily
Quantity of waste transported each day	520/tpd
Percentage of total waste transported daily	100 %
Waste Treatment Technologies used	Windrow Aerobic process & Size
Waste freatment realmologies used	segregation in trommels
Whether solid waste is processed	Yes
If yes, Quantity of waste processed daily	520/tpd
Land(s) available with the local body for waste	27
processing (in Hectares)	
Land currently utilized for waste processing	67 acres of land is allotted for the
	processing facility.
Solid waste processing facilities in operation	Yes
Solid waste processing facilities under construction	NIL .
Distance of processing facilities from city/town	Approx 20 kms from the city
boundary	
Details of technologies adopted	
Composting	Qty. raw material processed
	520 Metric tons per day
	Qty. final product produced
	20-25 metric ton per day
	Qty. sold- As of now 2436
	MT we have sold the
	compost throughout the
	year
	Qty. Of residual waste landfilled 130-1

	tons
Vermin composting	
vermin composting	Aerobic composting through windrow process
	Qty. sold
	Quantity of residual waste landfilled
Bio-methanation	NA
Refuse Derived Fuel	Qty. raw material processed —
	520 metric tons per day
	Qty. final product produced –
	120-130 metric tons per day is
	disposing to cement plants at
	free of cost
	Qty. sold – approx 120 - 130
	metric tons is disposing in
	cement plants at free of cost
	Quantity of residual waste landfilled- 130-140
	metric tons
Waste to Energy technology such as incineration,	Qty. raw material processed NA
gasification, pyrolysis or any other technology (give	Qty. final product produced NA
details)	Qty. sold - NA
	Quantity of residual waste landfilled- NA
Co-processing	Qty. raw material processed
Combustible waste supplied to cement plant	120-130 Tons per day is disposing in cement plants
Combustible waste supplied to solid waste based	NIL .
power plants	
Others	
Solid waste disposal facilities	One
No. of dumpsites sites available with the local body	ONE
, and a second body	

No. of sanitary landfill sites available with the local	WE HAVE 7 NO'S OF SANITARY LANDFILLS CELLS
body	
Area of each such sites available for waste disposal	Total landfill area is proposed approx 24 acres at sakri
Area of land currently used for waste disposal	10 acres
Distance of dumpsite/landfill facility from city/town	20 Kms
Distance from the nearest habitation	1 Kms
Distance from waste body	1 Kms
Distance from state/national highway	6 Kms
Distance from Airport	11 Kms
Distance from important religious places or historical	10 Kms (Mata Kausalya mandir)
monument	
Whether it falls in flood prone area	No
Whether it falls in earthquake fault line area	No
Quantity of waste landfilled each day	130-140 metric tons
Whether landfill site is fenced	Yes
Whether Lighting facility is available on site	Yes
Whether Weigh bridge facility available	Yes
Vehicles and equipments used at landfill (specify)	Bulldozer, Excavator, Vibro roller, compacters Tippers etc.
Manpower deployed at landfill site	Total of 105 (In 2 shifts) Manpower is deployed for the entire waste processing facility including compost plant, RDF plant, leachate treatment facility.
Whether covering is done on daily basis	Yes
If not, Frequency of covering the waste deposited at	
the landfill	
Cover material used	Soil
Whether adequate covering material is available	Yes
Provisions for gas venting provided	NA
Provision for leachate collection	Collection through underground pipe system and the technology is MEE (Multi effective evaporator)

1	0.	Whether an Action Plan has been prepared for	
			Yes
		improving solid waste management practices in the	
		city	
1:	1.	What separate provisions are made for:	
		Dairy related activities:	In scope of RMC
		Slaughter houses waste:	
		C & D waste (construction debris):	
12	2.	Details of Post Closure Plan	Provisions as per
15	,		concession agreement
13	3.	How many slums are identified and whether these are	
	provid	provided with Solid Waste Management facilities:	Yes
14	1		36 slum area
1-4	*	Give details of manpower deployed for collection	C&T 720
		including street sweeping, secondary storage,	Transfer stations 23
		transportation, processing and disposal of waste	P&D Plant 105
4.5			Sweeping scope of RMC
15	0.	Mention briefly, the difficulties being experienced by	User charges collection is a big challenge
		the local body in complying with provisions of these	
		rules	
-	-		
16		Mention briefly, if any innovative idea is implemented	App based monitoring of all
		to tackle a problem related to solid waste, which could	vehicles
			2. App design for public use
		be replicated by other local bodies	3. Employment to rag pickers
			4. Leachate water reuse in green belt
			and vehicle washing.

Date: 13/6/2023
Place: Portpar

