



# SOLID WASTE MANAGEMENT

MUNICIPAL COUNCIL BARAN

Department of Local Self Government Rajasthan

## Solid Waste Management Parameters and Compliance as per NGT order Dated 16/04/2019 (Para No 11)

Sr. No	Key Parameters/ Indicators and their Timeline in MSW Rules	Description of Parameters/Indicators for physical evaluation	Time Line	Key Points
1	Door to Door Collection	Door to door collection of segregated solid waste from all households including slums and informal settlements, commercial, institutional and other nonresidential premises. Transportation in covered vehicles to processing or disposal facilities	Achieved	<ul style="list-style-type: none"> <li>• No of HH's:- 23,277</li> <li>• No of Wards:- 45</li> <li>• No of Wards Covered with D2D:- 45</li> <li>• No of Vehicles for D2D:- 33 (2 Auto Hoper, 11 Auto Tipper, 20 E-Rickshaws)</li> </ul>
2	Source Segregation	Segregation of waste by households into Biodegradable, non-biodegradable, domestic hazardous	March 2020	<ul style="list-style-type: none"> <li>• No of Wards Fully Covered with Source Segregation:- 4</li> <li>• No of Wards partially Covered with Source Segregation:- 41</li> <li>• 100% D2D collection is being done everyday. 100% segregation is being done in 4 wards. Segregation awareness activities in remaining 41 wards have been started from 1<sup>st</sup> of November by SHG group and helpers have been deployed on each vehicle for the guidance of citizens.</li> <li>• Citizens segregate the recyclable waste and sell them to local Kabaries also.</li> </ul>
3	Litter Bins & Waste Storage Bins	Installation of Twin-bin/ segregated litter bins in commercial & public areas at every 50-100 meters. Installation of Waste storage bins in strategic locations across the city, as per requirement (Unless Binless) Elimination of Garbage Vulnerable Points .	Jan 2020	<ul style="list-style-type: none"> <li>• Twin bin in major commercial area and public area :- 25</li> <li>• Procurement of 100 twin bins is under process.</li> <li>• No of Garbage Vulnerable Points Existing:- 7</li> <li>• No. of Garbage Vulnerable Points Eliminated:- 3</li> </ul>

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4	Transfer Stations	Installation of Transfer Stations instead of secondary storage bins in cities with population above 5 lakhs.	Achieved	<ul style="list-style-type: none"> <li>• transfer station. :- Nil</li> <li>• Collection vehicle directly take the waste to the waste treatment facility and dumping site.</li> </ul>
5	Separate Transportation	Compartmentalization of vehicles for the collection of different fractions of waste. Use of GPS in collection and transportation vehicles to be made mandatory at least in cities with population above 5 lakh along with the publication of route map.	Achieved	<ul style="list-style-type: none"> <li>• No. of vehicles with compartmentalized:- 33 ( all vehicles have compartment for dry and wet waste)</li> <li>• Amount of Total Solid waste collected :- 49 TPD</li> <li>• Total dry waste Collected :- 1 TPD</li> <li>• Total wet waste Collected :- 2.5 TPD</li> <li>• Total mixed waste Collected :- 45.5 TPD</li> <li>• GPS installed in all Vehicles i.e. 33</li> <li>• Rout chart for every vehicle have been prepared.</li> <li>• For the collection of domestic hazardous waste containers will be installed at 13 auto-tippers. Process for the same have been started.</li> </ul>
6	Public Sweeping	All public and commercial areas to have twice daily sweeping, including night sweeping and residential areas to have daily sweeping.	Achieved	<ul style="list-style-type: none"> <li>• No of residential area :- 98 (sweeping done once in a day)</li> <li>• No of Commercial And public Areas :- 27 (sweeping done twice in a day)</li> <li>• 10 sweepers are deployed for night sweeping</li> </ul>

Sr. No	Key Parameters/ Indicators and their Timeline in MSW Rules	Description of Parameters/Indicators for physical evaluation	Time Line	Key Points
7	Waste Processing Wet Waste, Dry Waste, MRF Facility	Separate space for segregation, storage, decentralised processing of solid waste to be demarcated Establishing systems for home/decentralised and centralized composting Setting up of MRF Facilities.	Achieved partially and fully complete by June 2020	<ul style="list-style-type: none"> <li>• DPR Preparation :- Prepared</li> <li>• Agreement for windrow composting, RDF, MRF and Sanitary landfill site has been signed with Zonta Infratech Private Limited. But work can not be started due to pending environment clearance.</li> <li>• MRF Facilities :- 1 TPD capacity Facility at Niyana dumping ground is already operational and Work Order 19 TPD has been given to Zonta Infratech Private Limited.</li> <li>• Amount of Solid Waste Collected : 49 TPD</li> <li>• Amount of Wet Waste Processed:- 0.5 TPD (Through compost machine installed by ULB at Gao shala)</li> <li>• Amount of Dry Waste Processed :- 0.2 TPD</li> <li>• Amount of Waste untreated :- 47.5 TPD</li> </ul>
8	Scientific Landfill	Setting up common or regional sanitary landfills by all local bodies for the disposal of permitted waste under the rules Systems for the treatment of legacy waste to be established.	June 2020	<ul style="list-style-type: none"> <li>• Development of scientific landfill site – Work Order Issued.</li> <li>• Scientific landfill development action plan:- Work Order issued But work can not be started due to pending environment clearance. ToR (Terms of Reference) has been issued by Pollution Control Board now The company will submit the EIA (Environment Impact Assessment) report. ULB has issued notice regarding this to the company.</li> <li>• Action taken report/Plan of Disposal of Legacy Waste :- Action plan is Under process.</li> </ul>
9	C&D Waste	Ensure separate storage, collection and transportation of construction and demolition wastes.	Achieved	<ul style="list-style-type: none"> <li>• No of Vehicles for C&amp;D waste Collection and transportation:- 1</li> <li>• Amount of C&amp;D Waste Collected :- 1 TPD</li> <li>• Amount of C&amp;D waste Treated/Recycled(TPD):- 0</li> <li>• Amount of C&amp;D waste Dumped (TPD):- 1 TPD (in low lying area)</li> </ul>

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10	Plastic Waste	Implementation of ban on plastics below <50 microns thickness and single use plastics. Also Compliance of Plastic Waste as per Rule 05 and 06 of PWM Rules 2016	Achieved and in process regularly	<ul style="list-style-type: none"> <li>• Ban on Plastics bags :- notification dated 21.07.2010 has been issued by the state govt.</li> <li>• Recycle of Plastic Waste :- recyclable plastic waste is given to the local Kabaries and non recyclable plastic waste and seized plastic carry bags is sent to the ACC Cement Plant, Lakheri.</li> <li>• Amount of Plastic waste collected at MRF – 350kg</li> <li>• Amount of plastic carry bags seized- 1518kg</li> <li>• Amount of total plastic waste sent to the cement factory- 1331kg (plastic waste collected at MRF and seized plastic carry bags)</li> </ul>
11	Bulk Waste Generators (BWGs)	Bulk waste generators to set up decentralized waste processing facilities as per SWM Rules, 2016.	Achieved partially and fully complete by Jan 2020	<ul style="list-style-type: none"> <li>• Total No of Bulk Waste Generator in City:- 3 (Two Sabji Mandi and one Krishi Upaj Mandi)</li> <li>• Total Waste Generated by BWG (TPD):- 0.3</li> <li>• Total Waste Processed by BWG (TPD):- 0.1</li> <li>• Total Waste Dumped untreated by BWG (TPD):- 0.2</li> <li>• No of Composting machines Installed by BWG:- 1</li> <li>• Capacity of Composting machines installed by BWG:- 0.5 TPD (for Sabji Mandies ULB has installed compost machine and Krishi Upaj Mandi has also sanctioned compost machine )</li> <li>• Total penalty collected from BWG (Rs)- 0</li> </ul>
12	RDF	Mandatory arrangements have to be made by cement plants to collect and use RDF, from the RDF plants, located within 200 kms.	June 2020	<ul style="list-style-type: none"> <li>• Total Dry Waste generated in city :- 19TPD</li> <li>• Total Dry Waste Processed :- Nil</li> <li>• Total RDF Sent to Cement Plant :- Nil</li> <li>• Since RDF plant is not established plastic waste and seized plastic carry bags directly sent to cement factory.</li> </ul>
13	Preventing solid waste from entering into water bodies	Installation of suitable mechanisms such as screen mesh, grill, nets, etc. in water bodies such as nallahs, drains, to arrest solid waste from entering into water bodies.	Partially Achieved completely achieved by Jan 2020	<ul style="list-style-type: none"> <li>• 15 such locations have been identified .</li> <li>• ULB has installed screens at 4 locations and tender processing has been started for the remaining 11 locations.</li> </ul>

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14	User Fees	Waste Generators paying user fee for solid waste management, as specified in the bye-laws of the local bodies.	February 2020	<ul style="list-style-type: none"> <li>• ULB fees :- 0</li> </ul>
15	Penalty Provision	Prescribe criteria for levying of spot fine for persons who litters or fails to comply with the provisions of these rules and delegate powers to officers or local bodies to levy spot fines as per the byelaws framed.	Compliance Done	<ul style="list-style-type: none"> <li>• Total penalty of 1000 rupees has been imposed.</li> </ul>
16	Notification of Bye Laws	Frame bye-laws incorporating the provisions of MSW Rules, 2016 and ensuring timely implementation.	Compliance Done	<ul style="list-style-type: none"> <li>• Bye laws notified by DLB.</li> <li>• ULB has issued notification for penalty provision in news papers.</li> </ul>
17	Citizen Grievance Redressal	Resolution of complaints on Swachhata App within Service Level Advisory.	Achieved and in process	<ul style="list-style-type: none"> <li>• ULB Helpline Number (07453-230106)</li> <li>• Swachhta App – 323 complains have been received on swachahta app since April 2019 and 323 complains has been resolved.</li> <li>• Sampark Portal – regular redressal is being done.</li> </ul>
18	Monitoring Mechanism	States/ULBs to update month wise targets/action plans on the online MIS.	Compliance Done	<ul style="list-style-type: none"> <li>• Monitoring cell has been developed</li> <li>• Monitoring is being in progress.</li> </ul>



# Municipal Corporation Baran



- **Collection and Transportation**
- **Processing and Disposal**
- **Public sweeping**
- **Material Recovery Facility**
- **C&D Waste Processing and disposal**
- **Plastic waste management**
- **Transformation of GVP's**
- **Ill Managed Ward Management**



# Collection and Transportation



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**Workshops conducted for Sanitary Workers and Drivers/Helpers of D2D Collection Vehicles**

- **Door to door collection and Transportation work in all 45 wards.**
- **Segregated waste is being collected in the form of dry and wet waste in 45 wards.**
- **33 Collection Vehicles (2 Auto Hoper, 11 Auto Tipper, 20 E-Rickshaw) are collecting waste from residential and commercial areas of Baran.**



# Collection and Transportation....contd..



15th Anniversary  
कार्यालय नगर परिषद बारा  
स्टेशन रोड, बारा (बाजरा)

कार्यालय-आदेश

नगर परिषद की प्रशासनिक व्यवस्थाओं एवं नगरई कारखानों को सुचारु रूप से चलाने हेतु निम्न-नगर नगरपालिका में निम्न पदोंमें एवं कुशलता से कार्य करने के लिए यद्युक्ति नियमावली लागू की जाती है।

जोन नं.	बाई नं.	प्राची सं. नं.	वाहन क्र. नं.	नो.नं.
जोन नं. 1- विल बंगला बारा	4,55,7,5,9,10	R25-GA201	बाजरा	817500992
		R25-EP011	बाजरा	8002815373
		R25-EG014	बिहार पुलिस	8184431998
		R25-CA319	अन्यवाहन	6367558148
जोन नं. 2- नगर बोलेली, बारा	14,20,21,22,23,24	R25-GA321	बाजरा	8680777129
		R25-EP007	बाजरा / अन्वयन	7840852510
जोन नं. 3- विद्यालय बारा, बारा	25,26,27,28,29,30,31	R25-GA317	बाजरा	8152888122
		R25-EP005	बाजरा / अन्वयन	8826815521
		R25-EG008	बाजरा	8513425005
जोन नं. 4-1- ई.प.ब. बोलेली, बारा	12,13,14	R25-GA225	बाजरा	8890149933
		R25-EG019	बाजरा	9480090486
जोन नं. 4-1-1- बाजरा बाजरा, बारा	40,41,42,43,44,45	R25-GA382	बाजरा	9521547840
		R25-EG000	बाजरा	8440842940
		R25-EP012	अन्वयन सुचारु	8619271125
जोन नं. 5- बाजरा बारा	33,34,35,36,37	R25-GA383	बाजरा	8560860111
		R25-EP010	बाजरा	9780996281
		R25-EP017	बाजरा बाजरा	9166476143
जोन नं. 6- बाजरा बारा, बारा	32,37,38,39,40,41	R25-GA382	बाजरा	7014334366
		R25-EP002	बाजरा	8793633360
जोन नं. 7- नगरई बाई, बारा	32,37,38,39,40,41	R25-GA382	बाजरा (बाजरा)	8108711495
		R25-EG011	बाजरा	8794318851
जोन नं. 8- बाजरा बारा	18,13,14,15,16	R25-GA382	बाजरा	7014334368

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जोन नं. 8- बाजरा बारा	11,12,13,14	R25-GA382	बाजरा (बाजरा)	8114876741
		R25-EG011	बाजरा	8528110522
		R25-EP008	बाजरा	8146514809
जोन नं. 9- बाजरा बारा	1,2,3,4 (बाजरा)	R25-GA382	बाजरा (बाजरा)	7014334364
		R25-EP002	बाजरा (बाजरा)	8509985422
		R25-EG015	बाजरा (बाजरा)	8551866450
		R25-EG019	बाजरा	8773310123
		R25-GA227	बाजरा (बाजरा)	8055848571
		R25-GA382	बाजरा	7722810129
		R25-GA384	बाजरा	8828762827
		R25-GA091	बाजरा (बाजरा)	8440842940

उपरोक्त - बाजरा / बाजरा / बाजरा / बाजरा  
प्रशासनिक सुधार -

1. बाजरा (बाजरा) बाजरा, बाजरा (बाजरा)
2. बाजरा (बाजरा) बाजरा, बाजरा (बाजरा), बाजरा (बाजरा)
3. बाजरा (बाजरा)

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➤ Vehicle Tracking system has been installed in all the vehicles and daily monitoring implemented.

# Processing & Disposal – Wet Waste



- Nagar Parishad Baran has installed a compost machine of capacity 500 kg/day.
- Waste collected from sabji mandi and segregated wet waste from other areas is treated through this.



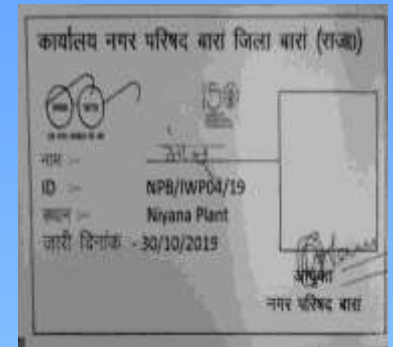
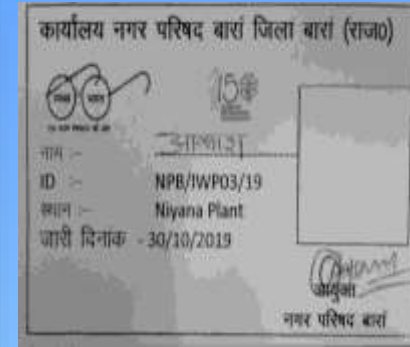
Copy of agreement for Waste processing and scientific landfill site.

# Public sweeping





# Matrial Recovery Facility



Sample of Id Card issued to Reg pickers



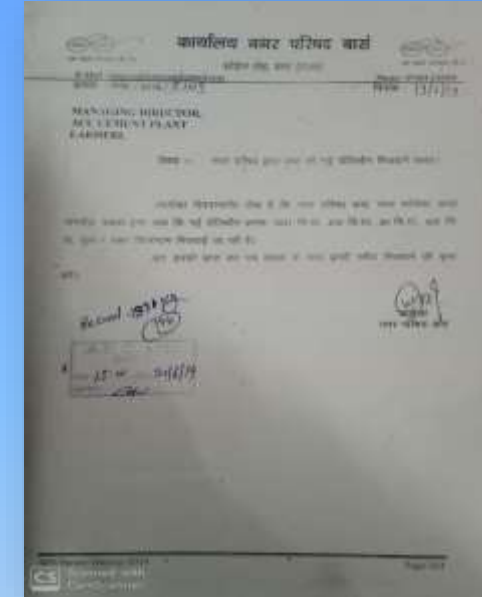
MRF at Niyana Plant

# C&D Waste Processing and disposal





# Plastic waste management



Polythene carry bags seized  
1518kg and 5000 jute and  
cloth bags distributed to  
promote their use



Receipt of 1331kg Plastic  
waste of Cement Plant

# Transformation of GVP's

Baran Municipal Council has identified 7 GVPs as survey conducted on dated 11-04-19. All the GVPs are being monitored regularly. 4 GVPs has been transformed and beautified

## 1. In front of Sanskrit School

**Before**



**After**



## 2. Khajurpura Tiraha

**Before**



**After**





# ILL Ward Management

As Baran Municipal Council declared ward no. 16 as ill Managed ward and following steps was taken to manage ill ward-

## 1. Placed segregated containers and twin bins in ill managed ward



# ILL Ward Management

## 2. Door to door collection and segregation at household level in ill managed ward





# ILL Managed Ward

## 3. Sweeping and cleaning in the ill managed ward



# Way Forward

- Reclamation of old dumpsite and treatment of legacy waste.
- Reuse of effluent of STP which is currently under construction so that we can eliminate the discharge of drains into water bodies.
- Co-treatment of faecal sludge with sewage.
- Promotion of waste segregation throughout the city.
- Will start the process for initiating the work of scientific landfill site.
- Will start the work of RDF and composting.
- Placing grating at the remaining 11 locations to prevent solid waste entering into water bodies.



**Thank You**