



# MADHYA PRADESH POLLUTION CONTROL BOARD

Paryawaran parisar, E-5, Arera Colony, Bhopal -462016

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NO <sup>1603</sup> /HO/MSW/MPPCB/2018

Bhopal, Dated 27/08/2018

To,

**The Member Secretary,**  
Central Pollution Control Board,  
Parivesh Bhawan, CBD cum office Complex,  
East Arjun Nagar, Delhi -110032

Sub: Annual Report for year 2017-18 on Implementation of Solid Waste Management Rules, 2016.

Sir,

As per the provision of the rule - 24 (3) of Solid Waste Management Rules, 2016. Please find enclosed herewith the Annual Report for year 2017-18 on Solid Waste Management in from (V) for your information & necessary action please.

The report is delayed as UADD is not regular in submission of Annual Reports. The data presented in the report have been gathered through Regional Offices of M.P.P.C.B.

Encl : As above

(A.A. Mishra)  
Member Secretary

Encl.No. <sup>1604</sup> /HO/MSW/MPPCB/2018

Bhopal, Dated 27/08/2018

Copy to :-

1. Principal Secretary, Urban Development & Housing & Deptt. Govt. of M.P. Mantralaya, Bhopal for information please.
2. IT M.P. Pollution Control Board Bhopal for upload the same on Web Site of MPPCB.

Encl : As above

(A.A. Mishra)  
Member Secretary

O/c


**Form – V**

[see rule 24(3)]

**Annual report of Municipal Solid Waste Management of Madhya Pradesh****PART - A**

To,

**The Chairman  
Central Pollution Control Board  
Parivesh Bhawan, East Arjun Nagar  
DELHI- 1100032**

1.	Name of the State/Union territory	Madhya Pradesh
2.	Name & address of the State Pollution Control Board	M.P. Pollution Control Board. Paryawaran Parisar E-5 Arera Colony Bhopal pin. – 462016
3.	Number of local bodies responsible for management of Solid waste in the State under these rules	Urban Local Bodies – 378 Cantonment Board – 5 <b>(List Enclosed at Annexure - I)</b>
4.	No. of authorization application Received	01 (A 2 Z Infrastructure Indore)
5.	A Summary Statement on progress made by local body in respect of solid waste management	The Action plan of Madhya Pradesh prepared by Urban Development & Housing Department (April 2018) is enclosed as <b>Annexure-II</b>
6.	A Summary Statement on progress made by local bodies in respect of waste collection, segregation, transportation and disposal	<b>As per Annexure-III</b>
7.	A summary statement on progress made by local bodies in respect of implementation of Schedule II	<b>As per Annexure - II</b>
<b>Date:</b> 27th August 2018 <b>Place:</b> Bhopal		 Member Secretary Madhya Pradesh pollution Control Board

## PART - B

## Towns/cities

<b>Total number of towns/cities</b>	<b>383</b>
<b>Total number of ULBs</b>	<b>Urban Local Bodies -378</b> <b>Cantonment Board -05</b>
<b>Number of class I &amp; class II cities/towns</b>	<b>Class I Cities -35</b> <b>Class II Cities - 28</b> <b>Towns - 315</b> <b>Cantonment Board -05</b>

## Authorization status (names/number)

<b>Number of application received</b>	<b>01</b>
<b>Number of authorizations granted</b>	<b>01</b>
<b>Authorizations under scrutiny</b>	<b>-</b>

## Solid Waste Generation Status

<b>Solid waste generation in M.P. (TPD)</b>	<b>7212</b>
<b>Collected (TPD)</b>	<b>6537</b>
<b>Treated (TPD)</b>	<ul style="list-style-type: none"> <li>➤ <b>Total Waste Treated – 2272.5</b></li> <li>➤ <b>Utilize for Compost Making - 1202</b></li> <li>➤ <b>Utilize for Vermi Compost Making - 68.5</b></li> <li>➤ <b>Utilize for RDF / MRF - 525</b></li> <li>➤ <b>Waste to Energy - 462</b></li> <li>➤ <b>Utilize for Bio Gas - 15</b></li> </ul>
<b>Landfilled (TPD)</b>	<b>4264.5</b>

**Compliance to Schedule-I of SW Rules**  
(Number/names of towns/capacity)

Activities	No. of Cities / Towns	Remark
Good practices in cities/towns	147	(1)UADD is not regular in submission of Annual Reports. The data being presented have been gathered through field offices of M.P.P.C.B. are enclosed at <b>Annexure - IV</b>  (2) The letters & reminders given to UADD are enclsed at <b>Annexure - V</b>
House-to-house collection	274	
Segregation	133	
Storage	217	
Covered Transportation	249	

**Processing of SW (Number/names of towns/capacity)**

**Solid Waste processing facilities setup:**

Sl. No.	Composting (No. of Towns)	Vermi-composting (No. of Towns)	Biogas (No. of Towns)	RDF/Pelletization
1	31 Towns (3100 TPD)	15 Towns (71 TPD)	01 Bhopal (15 TPD)	RDF - 01 Ujjain- 25 TPD MRF - 01 Indore - 500 TPD

**Processing facility operational:**

Sl. No.	Composting (No. of Towns)	Vermi-composting (No. of Towns)	Biogas (No. of Towns)	RDF/Pelletization
1	31 Towns (1202 TPD)	15 Towns (68.5 TPD)	01 Bhopal (15 TPD)	RDF - 01 Ujjain- 25 TPD MRF - 01 Indore - 500 TPD

**Processing facility under installation/planned:**

Sl. No.	Composting	Vermi-composting	Biogas	RDF/Pelletisation
Latest status of various projects in different clusters. received from UADD is enclosed at <b>Annexure -VI</b>				

**Power generation Waste-to-Energy Plants:**  
(Number/names of towns/capacity)

Sl. No.	Plant Location	Status of operation	Power generation (MW)	Remarks
1	Jabalpur	Operational	Jabalpur - 11.5 MW	462 TPD waste is being utilized by facility

**Note** - List of Compost, Vermi Compost, Biogas, RDF, MRF, Waste to Energy plants are enclosed at **Annexure - VII**

**Disposal of solid waste (number/names of towns/capacity):**

Activities	No. of Cities / Towns	Remark
Landfill sites identified	256	(1)UADD is not regular in submission of Annual Reports. The data being presented have been gathered through field offices of M.P.P.C.B. are enclosed at <b>Annexure - VIII</b>
Landfill constructed	3	
Landfill under construction	16	
Landfill in operation	06	
Landfill exhausted	01	
Land filled capped	(1) Nagar Nigam Jabalpur (2) Nagda	

**Solid Waste Dumpsites (number/names of towns/capacity):**

Activities	No. of Towns	Remark
Total number of existing dumpsites	377	List Enclosed at Annexure - IX
Dump sites reclaimed/capped	01	Nagar Nigam Jabalpur is utilizing MSW of old capped dump site therefore reopened the capping of old site
Dumpsites converted to sanitary landfill	06	

**Monitoring at Waste processing/Landfills sites**

Sl. No.	Name of facilities	No. of Ambient Air Quality Monitoring	No. of Groundwater Quality Monitoring	Leachate quality	Compost quality	VOCs
1.	List Enclosed at Annexure - X	219	452	-	-	-

**Status of Action Plan prepared by Municipalities**

Total number of municipalities: 378 ULBs +5 (CB)

Number of Action Plan submitted: Please refer **Annexure - II**

<b>Status of ULBs in M.P.</b>						
<b>S.no</b>	<b>R.O.</b>	<b>ULBs</b>	<b>Dist.</b>	<b>Nagar Palika Nigam</b>	<b>Nagar Palika Parishad</b>	<b>Nagar Parishad</b>
1	Bhopal	Ashta	Sehore		1	
2	Bhopal	Berasia	Bhopal		1	
3	Bhopal	Bhopal	Bhopal	1		
4	Bhopal	Ichhawar	Sehore			1
5	Bhopal	Kothri	Sehore			1
6	Bhopal	Mandideep	Raisen		1	
7	Bhopal	Obedullaganj	Raisen			1
8	Bhopal	Sehore	Sehore		1	
9	Bhopal	Jawar	Sehore			1
10	Bhopal	Babai	Hoshangabad			1
11	Bhopal	Budni	Sehore			1
12	Bhopal	Harda	Harda		1	
13	Bhopal	Hoshangabad	Hoshangabad		1	
14	Bhopal	Itarsi	Hoshangabad		1	
15	Bhopal	Khirkia	Harda			1
16	Bhopal	Nasrullaganj	Sehore			1
17	Bhopal	Pipariya	Hoshangabad		1	
18	Bhopal	Rehti	Sehore			1
19	Bhopal	Seoni-Malwa	Hoshangabad		1	
20	Bhopal	Shahganj	Sehore			1
21	Bhopal	Sohagpur	Hoshangabad			1
22	Bhopal	Timarni	Harda			1
23	Bhopal	Bankheddi	Hoshangabad			1
24	Bhopal	Badi	Raisen			1
25	Bhopal	Baraily	Raisen			1
26	Bhopal	Ganj Basoda	Vidisha		1	
27	Bhopal	Begamganj	Raisen		1	
28	Bhopal	Gairatganj	Raisen			1
29	Bhopal	Kurwai	Vidisha			1
30	Bhopal	Lateri	Vidisha			1
31	Bhopal	Raisen	Raisen		1	
32	Bhopal	Sanchi	Raisen			1
33	Bhopal	Shamshabad	Vidisha			1
34	Bhopal	Silwani	Raisen			1
35	Bhopal	Sironj	Vidisha		1	
36	Bhopal	Sultanpur	Raisen			1

S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
37	Bhopal	Udaipura	Raisen			1
38	Bhopal	Vidisha	Vidisha		1	
39	Bhopal	Amla	Betul		1	
40	Bhopal	Athner	Betul			1
41	Bhopal	Betul	Betul		1	
42	Bhopal	Betul-Bazar	Betul			1
43	Bhopal	Bhainsdehi	Betul			1
44	Bhopal	Chicholi	Betul			1
45	Bhopal	Multai	Betul		1	
46	Bhopal	Sarni	Betul		1	
		Total		1	18	27
1	Chhindwara	Amarwara	Chhindwara		1	
2	Chhindwara	Badkuhi	Chhindwara			1
3	Chhindwara	Bichua	Chhindwara			1
4	Chhindwara	Chand	Chhindwara			1
5	Chhindwara	Chandameta-Butaria	Chhindwara			1
6	Chhindwara	Chaurai Khas	Chhindwara		1	
7	Chhindwara	Chhindwara	Chhindwara	1		
8	Chhindwara	Damua	Chhindwara		1	
9	Chhindwara	Donger Parasia	Chhindwara		1	
10	Chhindwara	Harrai	Chhindwara			1
11	Chhindwara	Junnardev Jamai	Chhindwara		1	
12	Chhindwara	Lodhikheda	Chhindwara			1
13	Chhindwara	Mohgaon	Chhindwara			1
14	Chhindwara	Neuton Chikhli Kalan	Chhindwara			1
15	Chhindwara	Pandhurna	Chhindwara		1	
16	Chhindwara	Piplanarayannwar	Chhindwara			1
17	Chhindwara	Sausar	Chhindwara		1	
		Total		1	7	9
1	Dewas	Bagli	Dewas			1
2	Dewas	Bhaurasa	Dewas			1
3	Dewas	Dewas	Dewas	1		
4	Dewas	Hatpiplya	Dewas			1
5	Dewas	Kannod	Dewas			1

S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
6	Dewas	Kantaphod	Dewas			1
7	Dewas	Karnawad	Dewas			1
8	Dewas	Khategaon	Dewas			1
9	Dewas	Loharda	Dewas			1
10	Dewas	Maksi	shajapur			1
11	Dewas	Nemawar	Dewas			1
12	Dewas	Pipalrawan	Dewas			1
13	Dewas	Satwas	Dewas			1
14	Dewas	Sonkatch	Dewas			1
15	Dewas	Tonk Khurd	Dewas			1
16	Dewas	Akodia	Shajapur			1
17	Dewas	Pankhedi(Kalapipal)	Shajapur			1
18	Dewas	Polaykalan	Shajapur			1
19	Dewas	Shajapur	Shajapur		1	
20	Dewas	Shujalpur	Shajapur		1	
		Total		1	2	17
1	Dhar	Alirajpur	Alirajpur		1	
2	Dhar	Bhawra	Alirajpur			1
3	Dhar	Dahi	Dhar			1
4	Dhar	Dhamnod (Dhar)	Dhar			1
5	Dhar	Dharampuri	Dhar			1
6	Dhar	Jobat	Alirajpur			1
7	Dhar	Kukshi	Dhar			1
8	Dhar	Manawar	Dhar		1	
9	Dhar	Mandav	Dhar			1
10	Dhar	Jhabua	Jhabua		1	
11	Dhar	Meghnagar	Jhabua			1
12	Dhar	Petlawad	Jhabua			1
13	Dhar	Ranapur	Jhabua			1
14	Dhar	Thandla	Jhabua			1
15	Dhar	Dhar	Dhar		1	
16	Dhar	Rajgarh	Dhar			1
17	Dhar	Sadarpur	Dhar			1
18	Dhar	Badnawar	Dhar			1



		Total			4	14
S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
2	Guna	Boda	Rajgarh			1
3	Guna	Chhapiheda	Rajgarh			1
4	Guna	Jirapur	Rajgarh			1
5	Guna	Khilchipur	Rajgarh			1
6	Guna	Khujner	Rajgarh			1
7	Guna	Kurawar	Rajgarh			1
8	Guna	Machalpur	Rajgarh			1
9	Guna	Narsinghgarh	Rajgarh		1	
10	Guna	Pachore	Rajgarh			1
11	Guna	Rajgarh	Rajgarh		1	
12	Guna	Sarangpur	Rajgarh		1	
13	Guna	Suthaliya	Rajgarh			1
14	Guna	Talen	Rajgarh			1
15	Guna	Badarwas	Shivpuri			1
16	Guna	Karera	Shivpuri			1
17	Guna	Khaniyadhana	Shivpuri			1
18	Guna	Kolaras	Shivpuri			1
19	Guna	Narwar	Shivpuri			1
20	Guna	Pichhore	Shivpuri			1
21	Guna	Shivpuri	Shivpuri		1	
22	Guna	Bairad	Shivpuri			1
23	Guna	Aron	Guna			1
24	Guna	Ashoknagar	Ashoknagar		1	
25	Guna	Chachaura-Binaganj	Guna			1
26	Guna	Chanderi	Ashoknagar		1	
27	Guna	Guna	Guna		1	
28	Guna	Isagarh	Ashoknagar			1
29	Guna	Kumbhraj	Guna			1
30	Guna	Mungaoli	Ashoknagar			1
31	Guna	Raghogarh-Vijaypur	Guna		1	
32	Guna	Shadora	Ashoknagar			1
		Total			9	23

S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
1	Gwalior	Antari	Gwalior			1
2	Gwalior	Badoni	Datia			1
3	Gwalior	Bhander	Datia			1
4	Gwalior	Bhitarwar	Gwalior			1
5	Gwalior	Bilaua	Gwalior			1
6	Gwalior	Dabra	Gwalior		1	
7	Gwalior	Datia	Datia		1	
8	Gwalior	Gwalior	Gwalior	1		
9	Gwalior	Indergarh	Datia			1
10	Gwalior	Pichhore	Gwalior			1
11	Gwalior	Bamor	Morena			1
12	Gwalior	Jhundpura	Morena			1
13	Gwalior	Joura	Morena			1
14	Gwalior	Kailras	Morena			1
15	Gwalior	Sabalgarh	Morena		1	
16	Gwalior	Morena	Morena	1		
17	Gwalior	Akoda	Bhind			1
18	Gwalior	Alampur	Bhind			1
19	Gwalior	Ambah	Murena		1	
20	Gwalior	Bhind	Bhind		1	
21	Gwalior	Daboh	Bhind			1
22	Gwalior	Gohad	Bhind		1	
23	Gwalior	Gormi	Bhind			1
24	Gwalior	Lahar	Bhind			1
25	Gwalior	Mau	Bhind			1
26	Gwalior	Mehgaon	Bhind			1
27	Gwalior	Mihona	Bhind			1
28	Gwalior	Phuphkalan	Bhind			1
29	Gwalior	Sewda	Datiya			1
30	Gwalior	Porsa	Murena		1	
31	Gwalior	Badoda	Sheopur			1
32	Gwalior	Sheopur kalan	Sheopur		1	
33	Gwalior	Vijaypur	Sheopur			1
		Total		2	8	23

S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
1	Indore	Betma	Indore			1
2	Indore	Depalpur	Indore			1
3	Indore	Hatod	Indore			1
4	Indore	Indore	Indore	1		
5	Indore	Manpur	Indore			1
6	Indore	Mhowgaon	Indore			1
7	Indore	Rau	Indore			1
8	Indore	Runji-Gautampura	Indore			1
9	Indore	Sawer	Dewas			1
10	Indore	Bhikangaon	khargoan			1
11	Indore	Burhanpur	Burhanpur	1		
12	Indore	Chhanera	Khandwa			1
13	Indore	Khandwa	Khandwa	1		
14	Indore	Mundi	Khandwa			1
15	Indore	Nepanagar	Burhanpur		1	
16	Indore	Omkareshwar	Khandwa			1
17	Indore	Pandhana	Khandwa			1
18	Indore	Sanawad	khargoan		1	
19	Indore	Shahpur	Burhanpur			1
20	Indore	Anjad	Barwani			1
21	Indore	Badwaha	Khargone		1	
22	Indore	Barwani	Barwani		1	
23	Indore	Karahi Padlya Khurd	Khargone			1
24	Indore	Kasrawad	Khargone			1
25	Indore	Khargone	Khargone		1	
26	Indore	Khetia	Barwani			1
27	Indore	Maheshwar	Khargone			1
28	Indore	Mandleshwar	Khargone			1
29	Indore	Palsud	Barwani			1
30	Indore	Pansemal	Barwani			1
31	Indore	Rajpur	Barwani			1
32	Indore	Sendhwa	Barwani		1	
		Total		3	6	23

<b>S.no</b>	<b>R.O.</b>	<b>ULBs</b>	<b>Dist.</b>	<b>Nagar Palika Nigam</b>	<b>Nagar Palika Parishad</b>	<b>Nagar Parishad</b>
1	Jabalpur	Sihora	Jabalpur		1	
2	Jabalpur	Jabalpur	Jabalpur	1		
3	Jabalpur	Barela	Jabalpur			1
4	Jabalpur	Bhedaghat	Jabalpur			1
5	Jabalpur	Chichali	Narsinghpur			1
6	Jabalpur	Gadarwara	Narsinghpur		1	
7	Jabalpur	Gotegaon	Narsinghpur		1	
8	Jabalpur	Kareli	Narsinghpur		1	
9	Jabalpur	Katangi	Jabalpur			1
10	Jabalpur	Majholi	Jabalpur			1
11	Jabalpur	Narsinghpur	Narsinghpur		1	
12	Jabalpur	Panagar	Jabalpur		1	
13	Jabalpur	Patan	Jabalpur			1
14	Jabalpur	Saikheda	Narsinghpur			1
15	Jabalpur	Salichauka	Narsinghpur			1
16	Jabalpur	Shahpura	Jabalpur			1
17	Jabalpur	Tendukheda	Narsinghpur			1
18	Jabalpur	Baihar	Balaghat			1
19	Jabalpur	Balaghat	Balaghat		1	
20	Jabalpur	Bamhani	Mandla			1
21	Jabalpur	Bichhiya	Mandla			1
22	Jabalpur	Katangi	Balaghat			1
23	Jabalpur	Lanji	Balaghat			1
24	Jabalpur	Malajkhand	Balaghat		1	
25	Jabalpur	Mandla	Mandla		1	
26	Jabalpur	Nainpur	Mandla		1	
27	Jabalpur	Niwas	Mandla			1
28	Jabalpur	Waraseoni	Balaghat		1	
29	Jabalpur	Barghat	Seoin			1
30	Jabalpur	Lakhnadon	Seoni			1
31	Jabalpur	Seoni	Seoni		1	
		Total		1	12	18

S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
1	Katni	Barhi	Katni			1
2	Katni	Katni(Murwara)	Katni	1		
3	Katni	Kymore	Katni			1
4	Katni	Vijayraghavgarh	Katni			1
		Total		1		3
1	Pithampur	Pithampur	Pithampur	0	1	0
1	Rewa	Chakghat	Rewa			1
2	Rewa	Baikunthpur	Rewa			1
3	Rewa	Churhat	Sidhi			1
4	Rewa	Govindgarh	Rewa			1
5	Rewa	Gurh	Rewa			1
6	Rewa	Hanumana	Rewa			1
7	Rewa	Majhauri	Sidhi			1
8	Rewa	Mangawan	Rewa			1
9	Rewa	Mauganj	Rewa			1
10	Rewa	Naigarhi	Rewa			1
11	Rewa	Rampur Naikin	Sidhi			1
12	Rewa	Rewa	Rewa	1		
13	Rewa	Semaria	Rewa			1
14	Rewa	Sidhi	Sidhi		1	
15	Rewa	Sirmour	Rewa			1
16	Rewa	Teonthar	Rewa			1
		Total		1	1	14
1	Sagar	Banda	Sagar			1
2	Sagar	Bina-Etawa	Sagar		1	
3	Sagar	Deori	Sagar		1	
4	Sagar	Garhakota	Sagar		1	
5	Sagar	Khurai	Sagar		1	
6	Sagar	Rahatgarh	Sagar			1
7	Sagar	Rehil	Sagar		1	
8	Sagar	Sagar	Sagar	1		
9	Sagar	Shahgarh	Sagar			1
10	Sagar	Shahpur	Sagar			1

S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
11	Sagar	Mackronia	Sagar		1	
12	Sagar	Damoh	Damoh		1	
13	Sagar	Hatta	Damoh		1	
14	Sagar	Hindoria	Damoh			1
15	Sagar	Patera	Damoh			1
16	Sagar	Patharia	Damoh			1
17	Sagar	Buxwaha	Chhatarpur			1
18	Sagar	Tendukheda	Damoh			1
19	Sagar	Bada Malhera	Chhatarpur			1
20	Sagar	Badagaon	Tikamgarh			1
21	Sagar	Baldeogarh	Tikamgarh			1
22	Sagar	Barigarh	Chhatarpur			1
23	Sagar	Bijawar	Chhatarpur			1
24	Sagar	AjayGarh	Panna			1
25	Sagar	Amaganj	Panna			1
26	Sagar	Devendra nagar	Panna			1
27	Sagar	Kakarhati	Panna			1
28	Sagar	Pawai	Panna			1
29	Sagar	Panna	Panna		1	
30	Sagar	Chandla	Chhatarpur			1
31	Sagar	Chhatarpur	Chhatarpur		1	
32	Sagar	Garhi-Malhera	Chhatarpur			1
33	Sagar	Dhuwara	Chhatarpur			1
34	Sagar	Harpalpur	Chhatarpur			1
35	Sagar	Jatara	Tikamgarh			1
36	Sagar	Jeron Khalsa	Tikamgarh			1
37	Sagar	Kari	Tikamgarh			1
38	Sagar	Khajuraho	Chhatarpur			1
39	Sagar	Khargapur	Tikamgarh			1
40	Sagar	Laundi(Lavlkush Nagar)	Chhatarpur			1
41	Sagar	Lidhora Khas	Tikamgarh			1
42	Sagar	Maharajpur	Chhatarpur		1	
43	Sagar	Niwari	Tikamgarh			1
44	Sagar	Nowgong	Chhatarpur		1	
45	Sagar	Orchha	Tikamgarh			1

S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
46	Sagar	Palera	Tikamgarh			1
47	Sagar	Prithvipur	Tikamgarh			1
48	Sagar	Rajnagar	Tikamgarh			1
49	Sagar	Satai	Tikamgarh			1
50	Sagar	Tarichar Kalan	Tikamgarh			1
51	Sagar	Tikamgarh	Tikamgarh		1	
		Total		1	13	37
1	Satna	Amarpatan	Satna			1
2	Satna	Birshinghpur	Satna			1
3	Satna	Chitrakoot	Satna			1
4	Satna	Jaitwara	Satna			1
5	Satna	Kotar	Satna			1
6	Satna	Kothi	Satna			1
7	Satna	Maihar	Satna		1	
8	Satna	Nagod	Satna			1
9	Satna	New Ramnagar	Satna			1
10	Satna	Rampur Baghelan	Satna			1
11	Satna	Satna	Satna	1		
12	Satna	Unchahara	Satna			1
		Total		1	1	10
1	Shahdol	Dindori	Dindori			1
2	Shahdol	Shahpura	Dindori			1
3	Shahdol	Amarkantak	Anuppur			1
4	Shahdol	Anuppur	Anuppur		1	
5	Shahdol	Beohari	Shadol			1
6	Shahdol	Bijuri	Anuppur		1	
7	Shahdol	Burhar	Shadol			1
8	Shahdol	Chandia	Umaria			1
9	Shahdol	Dhanpuri	Shadol		1	
10	Shahdol	Jaisinghnagar	Shadol			1
11	Shahdol	Jaithari	Anuppur			1
12	Shahdol	Khand	Shadol			1
13	Shahdol	Kotma	Anuppur		1	

S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
14	Shahdol	Nowrozabad	Umaria			1
15	Shahdol	Pali	Umaria		1	
16	Shahdol	Pasan	Anuppur		1	
17	Shahdol	Shadol	Shadol		1	
18	Shahdol	Umaria	Umaria		1	
		Total			8	10
1	Singroli	Singrauli	Singrauli	1		
1	Ujjain	Ujjain	Ujjain	1		
2	Ujjain	Khachrodpop	Ujjain		1	
3	Ujjain	Nagda	Ujjain		1	
4	Ujjain	Unhel	Ujjain			1
5	Ujjain	Mahidpur	Ujjain		1	
6	Ujjain	Makdon	Ujjain			1
7	Ujjain	Tarana	Ujjain			1
8	Ujjain	Badnagar	Ujjain		1	
9	Ujjain	Agar	Agar		1	
10	Ujjain	Badagaon	Agar			1
11	Ujjain	Badod	Agar			1
12	Ujjain	Kanad	Agar			1
13	Ujjain	Nalkheda	Agar			1
14	Ujjain	Soyatkalan	Agar			1
15	Ujjain	Susner	Agar			1
16	Ujjain	Bhanpura	Mandsour			1
17	Ujjain	Garoth	Mandsour			1
18	Ujjain	Shamgarh	Mandsour			1
19	Ujjain	Suwasara	Mandsour			1
20	Ujjain	Malhargarh	Mandsour			1
21	Ujjain	Narayangarh	Mandsour			1
22	Ujjain	Piplya Mandi	Mandsour			1
23	Ujjain	Singoli	Neemuch			1
24	Ujjain	Ratangarh	Neemuch			1
25	Ujjain	Diken	Neemuch			1
26	Ujjain	Athana	Neemuch			1



S.no	R.O.	ULBs	Dist.	Nagar Palika Nigam	Nagar Palika Parishad	Nagar Parishad
27	Ujjain	Jawad	Neemuch			1
28	Ujjain	Nayagaon	Neemuch			1
29	Ujjain	Sarwania Maharaj	Neemuch			1
30	Ujjain	Jiran	Neemuch			1
31	Ujjain	Neemuch	Neemuch		1	
32	Ujjain	Kukdeshwar	Neemuch			1
33	Ujjain	Manasa	Neemuch			1
34	Ujjain	Rampura	Neemuch			1
35	Ujjain	A lot	Ratlam			1
36	Ujjain	Badawada	Ratlam			1
37	Ujjain	Dhamnod (Ratlam)	Ratlam			1
38	Ujjain	Javra	Ratlam		1	
39	Ujjain	Namli	Ratlam			1
40	Ujjain	Piploda	Ratlam			1
41	Ujjain	Ratlam	Ratlam	1		
42	Ujjain	Sailana	Ratlam			1
43	Ujjain	Tal	Ratlam			1
44	Ujjain	Mandsaur	Mandsaur		1	
45	Ujjain	Nagri	Mandsaur			1
46	Ujjain	Sitamau	Mandsaur			1
		Total		2	8	36

#### Cantonment Board

1	Jabalpur	Jabalpur	Jabalpur
2	Indore	Mao	Indore
3	Bhopal	Panchmari	Bhopal
4	Gwalior	Murar	Gwalior
5	Sagar	Sagar	Sagar
		Total	

**ACTION PLAN**  
**FOR**  
**MUNICIPAL SOLID WASTE MANAGEMENT**  
**IN MADHYA PRADESH**

**(Revised April 2018)**



**URBAN DEVELOPMENT & HOUSING DEPARTMENT (UD&HD)**

**GOVERNMENT OF MADHYA PRADESH**

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13 Dewas Cluster .....	42
14 Katni Cluster .....	43
15 Balaghat Cluster .....	43
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## 1. NEED FOR MUNICIPAL SOLID WASTE MANAGEMENT

## OVERVIEW

According to the 2011 census, the population of India was 1.21 billion, of this 31% live in cities. It is projected half of India's population will live in cities by the year 2050.

With this increasing population, **Municipal Solid Waste Management (MSWM)** in the country has emerged as a challenge not only because of the environmental and aesthetic concerns, but also because of the huge quantities of Municipal Solid Waste (MSW) generated every day.

According to **Central Pollution Control Board (CPCB)**, 1,43,449 tonnes per day (TPD) of MSW was generated in India during 2014–2015, with an average waste of 0.11 kilogram (kg)/capita/day. Of the total MSW, approximately 1,17,644 TPD (80%) was collected, while only 32,871 TPD (22%) was processed or treated. Segregation at source, collection, transportation, treatment, and scientific disposal of waste was largely insufficient leading to degradation of the environment and poor quality of life.

**Solid Waste Management (SWM)** is a part of public health and sanitation, and according to the Indian Constitution, falls within the purview of the State list. Since this activity is non-exclusive, non-rivalled and essential, the responsibility for providing the service lies within the public domain. The activity being of a local nature is entrusted to the Urban Local Bodies by 12<sup>th</sup> Schedule of 74<sup>th</sup> Amendment of the Constitution.

**Government of India (GoI)** has also framed **eight parameters as Service Level Benchmarks (SLBs)** for MSW in 2009 and 13<sup>th</sup> Finance Commission links the disbursement of Performance Grant to ULBs with the level of achievement of SLBs, as specified in Chapter 10 of its report.

Importantly, **National Green Tribunal (NGT)** has stipulated ULBs to follow NGT's all environmental rules and norms in order to avoid adverse environmental effects of MSW activities.

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## WHAT IS SCIENTIFIC MANAGEMENT OF SMWM?

The scientific management of Municipal Solid Waste Management includes:

- **Waste minimization and reduction at source**
- **Door to door collection** of waste from all residential, commercial, institutional establishments in covered vehicles in compliance with SWM Rules 2016 and in accordance with SLB for MSW.
- **100% Segregation** of waste at source in accordance with SLB for MSW
- **Covered Bins** for secondary collection in compliance with SWM Rules- 2016
- **Secondary collection and transportation** in covered vehicles in compliance with SWM Rules - 2016
- **Covered waste transfer/storage stations** in compliance with and CPCB/SPCB norms, if required.
- **More than 80% Waste recovery/recycling** in accordance with SLB for MSW
- **Scientific processing** in compliance with MSW Rules 2000 and CPCB/SPCB norms
- **Scientific disposal** of inert in compliance with MSW Rules 2000 and CPCB/SPCB norms
- **100% cost recovery of O & M expenses from user charges as mandatory urban reform stipulates and 90% collection efficiency of user charges** in accordance with SLB for MSW.

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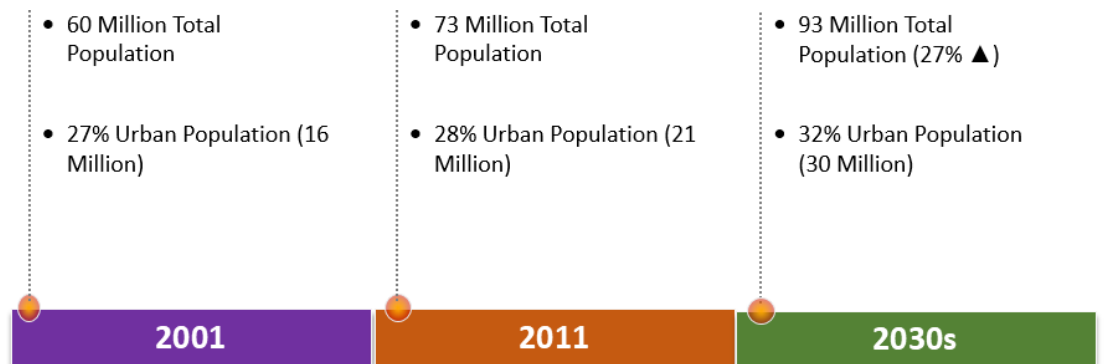
#### DIRECTIONS FROM HON'BLE SUPREME COURT AND NGT

**Hon'ble National Green Tribunal (NGT)** in OA No 199 of 2014 (Almitra H. Patel Vs Union of India) on 12<sup>th</sup> January, 2017 directed State Government to *"file complete and detailed Action Plan and affidavits to show how the municipal solid waste in the State would be processed and degradation of environment and public health resulting here from would be prevented. As part of this Action Plan they would also required to submit a total solid waste generated and how that solid waste was required to be treated in a time bound manner in regard to this directions"*.

**Supreme Court directed all the Urban Local Bodies (ULBs)** to manage **Municipal Solid Waste (MSW)** in accordance with "MSW Management and Handling Rules 2000", hence all ULBs are obliged to carry out collection, transportation, segregation, processing and scientific disposal of MSW as per the mandated rules.

## MADHYA PRADESH STORY

Madhya Pradesh is growing faster than country's average:



Rapid Urbanization required a 'solution' for managing municipal solid waste.



Madhya Pradesh is a state with a population of 73 million covering 9.5% of the total area of the country (308,000 Sq. Km.). The urban population of the state is across 378 ULBs which has increased to 21 million in 2011 from 16 million in 2001, growing at a CAGR of ~2.2%.

The high rate of urbanization has led to increased focus on urban infrastructure and municipal service delivery which has further led to increased investment requirement in the urban development. However, this rate of urbanization has resulted in generation of large quantities of Municipal Solid Waste in big cities as well as small towns also.

Thus, preparation of object and time-targeted action plan for management of Municipal Solid Waste (MSW), for each city and town in the state is essential in accordance with the population and developmental growth, so that environmental conditions improve and makes city liveable for every citizen.

## 2. INITIATIVES OF STATE GOVERNMENT FOR ISWM

The State devised a two-prong strategy to manage the municipal solid waste. The strategy comprised of both “long term goals” as well as “short term objectives” to not only treat the waste in a scientific manner but also address the immediate concerns of growing municipal waste.

### 2.1 LONG TERM VISION AND PLAN

#### ACTION PLAN FOR WASTE MANAGEMENT IN THE STATE

To comply with SWM 2016 rules, the State studied the urbanization pattern in MP and found it to be skewed, as shown in table below.

*Table: Population range by ULBs*

Population Range	Number of ULBs
<20,000	211
20,000 - 50,000	107
50,000 – 1,00,000	28
1,00,000 – 2,00,000	18
>2,00,000	15
<b>Total</b>	<b>379</b>

More than 90% ULBs with population less than 1 lakh could not implement all its components because it was uneconomical. Some of the reasons are mentioned below:

- Not operationally viable for smaller ULBs because of very less quantity of waste being generated.
- Huge financial burden in setting up large facilities for treating waste (for e.g. waste to energy or waste to compost)
- Most of the ULBs lack technical know-how on how to scientifically treat waste.



Therefore, the state decided to create 'clusters' of ULBs for effective Integrated Solid Waste Management on Regional Landfill concept through Public Private Partnership (PPP) mode.

As a result, the state formed ~26 clusters covering all the 378 ULBs of the state with minimum total waste of around 150 TPD.

The cluster-based approach has been designed considering two factors:

- (1) Optimizing the waste
- (2) Streamlining the logistics

This resulted in **Regional Integrated MSW Facilities**.

## REGIONAL INTEGRATED MSW FACILITIES

The whole state has been divided into ~26 clusters for MSW management (details list towns in cluster is attached in Annexure-1).

*Table: Regional Integrated MSW facilities*

1	Sagar Cluster (11 ULBs)	11	Chhatarpur Cluster (33 ULBs)	21	Neemuch Cluster (19 ULBs)
2	Katni Cluster (05 ULBs)	12	Damoh Cluster (07 ULBs)	22	Vidisha Cluster (15 ULBs)
3	Jabalpur City (01 ULBs)	13	Bhind Cluster (15 ULBs)	23	Shajapur Cluster (26 ULBs)
4	Bhopal Cluster (08 ULBs)	14	Jabalpur Cluster (15 ULBs)	24	Ratlam Cluster (22 ULBs)
5	Rewa Cluster (28 ULBs)	15	Singrauli Cluster (01 ULBs)	25	Chhindwara Cluster (21 ULBs)
6	Indore Cluster (08 ULBs)	16	Betul Cluster (08 ULBs)	26	Barwani Cluster (22 ULBs)
7	Gwalior Cluster (15 ULBs)	17	Balaghat Cluster (13 ULBs)		Ujjain Town* (01 ULBs)
8	Burhanpur Cluster (10 ULBs)	18	Shahdol Cluster (16 ULBs)		
9	Dewas Cluster (24 ULBs)	19	Shivpuri Cluster (11 ULBs)		
10	Hoshangabad Cluster (14 ULBs)	20	Guna Cluster (10 ULBs)		

*Name of Clusters for Integrated Solid Waste Management on Regional Landfill approach*

\*For Ujjain City – Solid Waste Management Project has been executed in 2016 by NN-Ujjain because of Simhast Mela.

---

## INSTITUTIONAL MECHANISM FOR IMPLEMENTATION OF PROPOSED ISWM PROJECTS

For each of the proposed cluster, an inter-ULB agreement is being signed among the participating ULBs, wherein the ULB contributing the maximum amount of waste and having the sanitary landfill site shall act as the lead ULB and take all steps for implementation of integrated solid waste management projects. The Lead ULB shall perform the following roles and responsibilities for successful execution of the project.

- Providing unencumbered land for landfill site.
- Facilitating the concessionaire with all the necessary clearances and approvals required for the implementation of the project.
- **Appoint Independent Engineer Unit** and arrange for payment of professional fee as per the monthly invoices.
- Interfacing between GoMP and participating ULBs.
- Managing special account created for SWM for all project related transactions with GoMP and participating ULBs.
- Managing escrow account with the concessionaire.
- Performance monitoring of concessionaire and the Management Unit.
- Convening regular meetings of **Monitoring Committee**.

---

## PROJECT MANAGEMENT STRUCTURE

The Management structure comprises the following:

- 1) **Monitoring Committee (MC)** – comprising the Chief Executive Officers of Parties to supervise contract management and monitor the performance of Concessionaire and Independent Engineer.
- 2) **Independent Engineer (IE)** – a private consultancy organization identified through transparent competitive bidding process by NPNK, for supervision of implementation, operation and maintenance of the Project on a daily basis.

---

## RESPONSIBILITY OF MC

### **1) During Project Preparation Phase**

- a) To ensure that ULBs shares the signed Concession Agreement with the Parties.
- b) To ensure that Lead ULB shares the signed Contract Documents of IE and IE procured through transparent process.

### **2) Project Implementation Phase**

During the project implementation phase, MC shall do the following:

- a) Meet at least once in a month or more to review the project implementation process.
- b) Issue necessary instruction to Parties to this Agreement for compliance with the provision of Concession agreement from time to time.
- c) Issue necessary instructions/notices to Concessionaire in consultation with IE to ensure compliance with the provisions of this Agreement and Concession Agreement.
- d) Review the appraisal report prepared by IE of the Project Implementation and Operation Plan (PIOP) prepared by the Concessionaire and decide the actions to be initiated based on the recommendations of IE in line with the provisos of Concession Agreement for its acceptability and financial implications.
- e) Amicably resolve any dispute between IE related to project construction and O&M.

### **3) Project Operation & Maintenance (O&M) Phase**

- a) During project operation & maintenance Phase, MC shall meet once in a month and shall decide on following matters:
  - Providing concurrence on actual MSW transported by Concessionaire from the various ULBs Governed by Parties and deviation thereon.
  - Final Payment to be made by Parties and to be deposited in Escrow Account for onward payment to Concessionaire.
  - Taking appropriate action in case of default by either of Party.
  - Penalty or Incentive to be provided to Concessionaire as the case may be
- b) MC can revise the Service Delivery Target provided, it has been requested by the Party, however those Service Delivery Target cannot be changed if MC

opines that those suggested changes will affect the Project performance; and to ascertain the acceptability of suggested changes IE may hire Expert services at its own cost;

---

#### RESPONSIBILITY OF INDEPENDENT ENGINEER (IE) AGENCY

IE responsibility shall be following:

##### **1) DURING PROJECT IMPLEMENTATION PHASE**

IE shall undertake detailed appraisal of DPR submitted by Concessionaire and as the case may be, shall advice MC to issue instruction for corrective action to be taken by Concessionaire. IE may follow up for compliance of such instruction and action taken by Concessionaire. IE shall also monitor the implementation of the project as per approved DPR throughout the implementation period.

##### **2) PROJECT OPERATION & MAINTENANCE (O&M) PHASE**

- a) IE will undertake routine monitoring of project performance against the Service Level Benchmark (SLB) set in Concession Agreement and achievement or non-achievement of those SLB shall be reported to MC; thus in turn penalty/incentive shall be imposed by MC in consultation with IE as per the Penalty or Incentive Structure set out in Concession Agreement.
- b) IE will review the financial plan, which would include capital investment required for improvement in service delivery, sources of proposed investments funding, estimates of revenue and expenditure for the O&M activities including the options for revenue improvement and expenditure minimization;
- c) IE shall advice MC to set out the payment the mechanism thereon to Concessionaire for capital investments, O&M expanses and Tipping Fee payable;

## INVESTMENT REQUIREMENT AND PHASING

The total capital investment required for implementing Integrated Solid Waste Management in all 378 ULBs shall be around Rs. 2,650 crores.

Further, the investment required will be covered by a mix of Central Government grant, State Government grant and share of private operator.

The grant is being provided for reducing the concessionaire's investment so that tipping fee is reasonable. This will help in imposing affordable user charges on citizens.

The State Government intends to select the concessionaire for all projects by June 2018. The target is to start all Waste to Compost (WTC) projects by October 2019 and all Waste to Energy (WTE) projects by March 2020.

## KEY HIGHLIGHTS OF THE FINANCIAL MODEL



\* Assured payment of tipping fee with provision of annual revision. In case of default of Tipping fees, the GoMP shall deposit the tipping fees in Escrow account of the Project.

\*\* PPA is to be executed between concessionaire and Madhya Pradesh Power Management Com. Ltd. As levelized Power Tariff rate shall be INR 6.39 / Unit for the concession period.

## KEY FEATURES OF CLUSTER-BASED ISWM

- Larger ULB chosen as a lead member and smaller ULBs within a distance of 50-80 kms as cluster members.
- The Regional Landfill site to be situated in the lead member town.
- MSW to be transported from other ULBs for further processing and disposal at the Regional Landfill site.
- Satellite waste storage and satellite processing facilities to be developed in each of the clusters. Waste to be brought from smaller ULBs to satellite stations in order to keep the transportation cost minimal.
- Each cluster will have a combination of ISWM Facility, satellite segregation-cum-processing units (if required) and waste storage units.
- Leverage the Technical as well as Operations & Maintenance (O&M) expertise of the Private Sector (PPP player).
- Private sector to carry out various activities of MSW management - door to door collection, transportation, segregation, processing and disposal, in accordance with MSW Rules and relevant statutory requirements.

#### FEATURES - DETAILS

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**In addition to the above, the following additional points have been considered while designing the projects.**

- **Clear work definition with existing workers:** Existing sweepers will be used for sweeping, road cleaning and other specific activities. Given the limited manpower available with ULBs, focussed street cleaning as well as drain cleaning will result in quality job.
- **Bidding Parameter:** SWM being an O&M intensive project poses a high risk for private operators and hence **tipping fee** was made the bidding parameter instead of viable gap funding.
  - Tipping Fee model allows the private operator to leverage on the O&M strength as well as bring in sustainable technological solutions.
- **Affordable user charges:**
  - Bigger Towns (Nagar Nigam and Nagar Palika):
    - Above Poverty Line Households: Rs 60-80 / month / household
    - Below Poverty Line Households: Rs 30-40 / month / household
  - Nagar Parishad
    - Above Poverty Line Households: Rs 40 / month / household
    - Below Poverty Line Households: Rs 20 / month / household

- **Implementation Modality:** The projects have been framed on Design, Build, Finance, Operate and Transfer (DBFOT) basis with a performance based O&M for 21 year concession period. Further the private operator is given the freedom to use appropriate technology for MSW processing, making the bids technology neutral.
- **Payment Guarantee Mechanisms by GoMP:** Full guarantee by GoMP will be provided for 'tipping fee' payment to Private Operator in case ULBs delay the payment of 'tipping fee' to the concessionaire, with a State intercept, wherein GoMP deducts the portion of payment from various devolutions already being done to ULBs.
- **Information, Education and Communication (IEC) activities and Environment Health and Social (EHS) Campaigns:** The private operator will carry out IEC and EHS activities to educate citizens and ULB employees for their role in making the cities clean.
- **Robust monitoring framework:** Apart from the Independent Engineer (IE), a Monitoring Committee, composed of CMOs of all ULBs as well as 4-5 sanitary officers from each ULB, will be constituted to monitor the day to day activities.

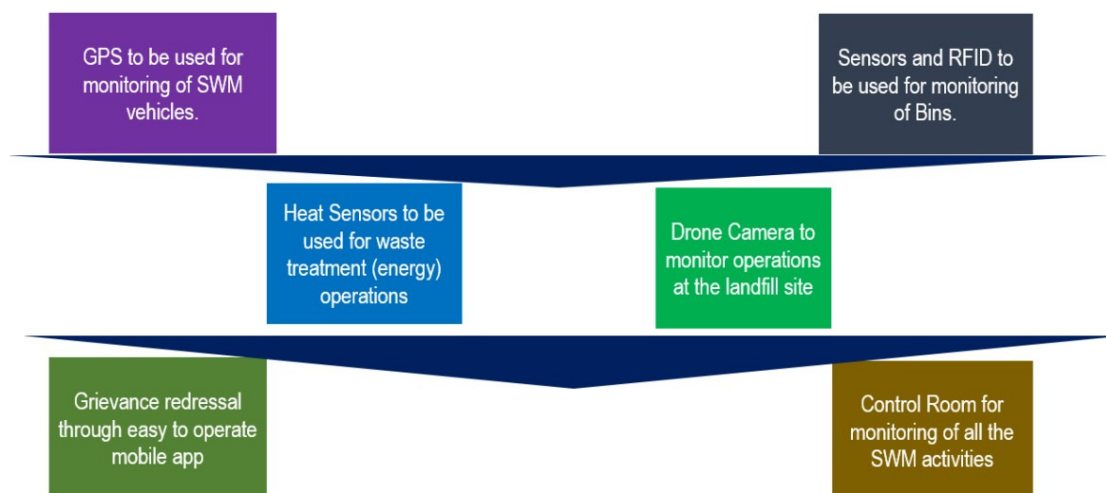
*Image : Images portray the system under proposed ISWM Projects*



**Hazardous & e-waste disposal facilities:** Four hazardous and e-waste waste facilities are planned at zone level i.e. in Bhopal, Indore, Jabalpur, and Gwalior. The residential/ industrial hazardous waste and e-waste will be transported to these facilities and will be processed and disposed by relevant technologies. These four projects will be planned as PPP projects with private operator responsible for collection, transportation, processing and disposal of waste.



## USE OF TECHNOLOGY FOR EFFECTIVE IMPLEMENTATION



## IMPACT OF SWM PROJECTS ON SERVICE LEVEL BENCHMARKS

The table below shows the impact that the proposed projects will bring after implementation in comparison to the Service Level Benchmarks laid down by Govt. of India.

*Table : Impact of SWM Projects on Service Level Benchmarks*

Parameters	SLBs	Effect on Project Scope
Household level coverage of solid waste management services	100%	100% Coverage of the project area in all ULBs.
Efficiency of collection of Municipal solid waste	100%	100% Door to door collection and transportation in covered vehicles, preventing <ul style="list-style-type: none"> <li>Spillage and consumption by stray animals</li> <li>Any MSW spillage/loss while transportation</li> </ul>
Extent of segregation of Municipal solid waste	100%	100% segregation of waste collected from all the ULBs through automatic segregators, along with deodorizing and waste spillage control mechanisms.

Extent of Municipal solid waste recovered	80%	Recyclable components will be reused, bio-degradable will be scientifically processed and recovered as either manure, RDF etc. ,and the inert will be disposed in landfill site, hence encouraging more than 80% recovery and reuse of waste
Extent of scientific disposal of Municipal solid waste	100%	100% scientific disposal of the inert waste in the allocated landfill site, with Proper leachate collection & drainage system, Efficient gas collection system Odour control mechanisms Proper green cover, giving it an aesthetic look.
Efficiency in redressal of customer complaints	80%	A centrally located GPS tracker and customer care centre for quickly identifying the problematic area and service needs by directing the nearest vehicle/resource to the location, resulting in efficient and timely complain attendance.
Extent of cost recovery in SWM services	100%	The cost recovery will be addressed through levying of affordable user charges on citizens. (Rs 60-80 for APL & Rs 30-40 for BPL in Municipal Corporations and Municipal Councils and Rs 40 for APL and Rs 20 for BPL in Nagar Parishads)
Efficiency in collection of SWM charges	90%	This will be achieved by rendering high quality service for initial years and once this is institutionalized, it is expected that user charges recovery will not be an issue.

## 2.2 SHORT TEAM PLAN AND OBJECTIVES

Selecting concessionaire, implementing the project and making it completely operational was time consuming and required at least 2-3 years.

Therefore, the State Government decided to give grant to ULBs so that vehicles for door-to-door collection can be purchased and deployed for achieving 100% door-to-door collection in all the 378 ULBs.

For bigger ULBs, grant for procuring Refuse Compactors and other required equipment were also sanctioned. Bigger corporations were asked to implement 100% door-to-door collection by supporting from their own resources.

1,782 Rickshaws, 2,296 Auto Tippers, 63 Backhoe Loaders and 17 Refuse Compactors were deployed for carrying out primary and secondary collection thus achieving 100% collection efficiently. All the ULBs are conducting IEC activities for the citizens, explaining importance of source segregation and not littering of waste on streets and public places.

As far as waste treatment and disposal is concerned, a big gap still persisted. However few smaller ULBs took the initiative and started producing the compost. Larger ULBs started planning for the treatment. As far as landfill operations are concerned it is still at a preliminary stage.

Because of these initiatives by ULBs under the guidance of State's Urban Development Department, Indore and Bhopal stood first and second respectively in the last year's 'Swachh Survekshan' conducted by the Central Government. In addition to Indore and Bhopal, 22 more ULBs of Madhya Pradesh were ranked among the top 100 cleanest towns of India.

In this year's Swachh Survekshan (2018), we expect more ULBs of Madhya Pradesh to feature among the top cleanest towns of India. This is expected because tremendous progress has been made in processing of waste by the ULBs.

Another important achievement has been the increase in awareness among citizens as well about the importance of sanitation and waste management.

*Image : Photographs represent status of waste management in ULBs*





*Image : Photographs depicting Door to Door Collection across the State:*



### 3. CURRENT STATUS & IMPLEMENTATION OF ISWM PROJECTS

#### WASTE TO ENERGY (WTE):

- **11 MW** energy being produced at Jabalpur plant.
- **58 MW** to be produced by Bhopal, Rewa, Gwalior, Indore. Concessionaire appointed.

#### WASTE TO COMPOST (WTC):

- Katni and Ujjain – Fully Operational
- Remaining – Under Implementation

#### CURRENT STATUS – OPERATIONAL PLANTS

The Feasibility Study Report (FSR) was prepared by ICF-GHK, the consulting agency for DFID aided MP Urban Infrastructure Investment Programme (MPUIIP) of Urban Administration and Development Directorate, after collection of data and field visits.

The concept of the project along with the Feasibility Study Report (FSR) was explained to the citizens in an open workshop conducted at all ULBs by UADD officials and consultants. After getting approval of ULBs through a resolution, the RFP documents for both the projects were prepared by the consulting teams and the approval of these documents was done by State Level Empowered Committee (SLEC for PPP Projects) headed by Chief Secretary, GoMP.

Transparent bidding process was conducted for both the projects. UADD provided support to ULBs in bidding and an expert team consisting of consultants, UADD officials, experts and ULB officials did the evaluation of bids.

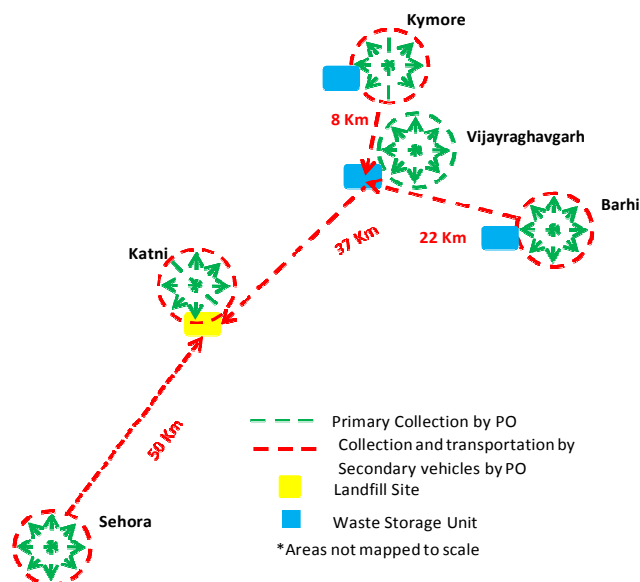
The **Katni** project is fully operational. In **Sagar**, the primary and secondary collection has been in operation since one and half years; however delay in environmental clearance (EC) has resulted in waste processing being delayed. Now EC has been obtained and the project is expected to be fully operational by July 2018.

Due to high efficiency of waste collection, transportation from all the towns of both the project area, all the cities are clean, littering of waste is minimal and there has been considerable improvement in environmental conditions, which is also shown in the chart below. The citizens of these cities are not only satisfied with the projects but also cooperating and putting efforts towards success of the project.

An agency, InfraEn, Bangalore has been appointed as the Independent Engineer for monitoring of implementation and operation & maintenance (O&M) activities of both the projects.

### CLUSTER: KATNI (WTC)

The state has planned Katni Cluster on the above lines. The image below shows the operational plan for Katni cluster. The proposed project will cater to ~95 MT waste/day, collectively from Katni, Sihora, Kymore, Vijayraghavgarh and Barhi. The ISWM Facility has been planned in Katni while waste storage units may be planned in Kymore, Vijaygarhgarh and Barhi for temporary storage of waste (2-3 days) before transporting to ISWM Facility in Katni to minimize the transportation expenses.



## CURRENT SCENARIO: KATNI – IN IMAGES



## BENEFITS FROM THE INITIATIVE

- Private investment shall increase employment opportunities.
- The drains are not choked thus reducing the generation of mosquitoes.
- Due to cleanliness environmental conditions have improved and town has become cleaner.

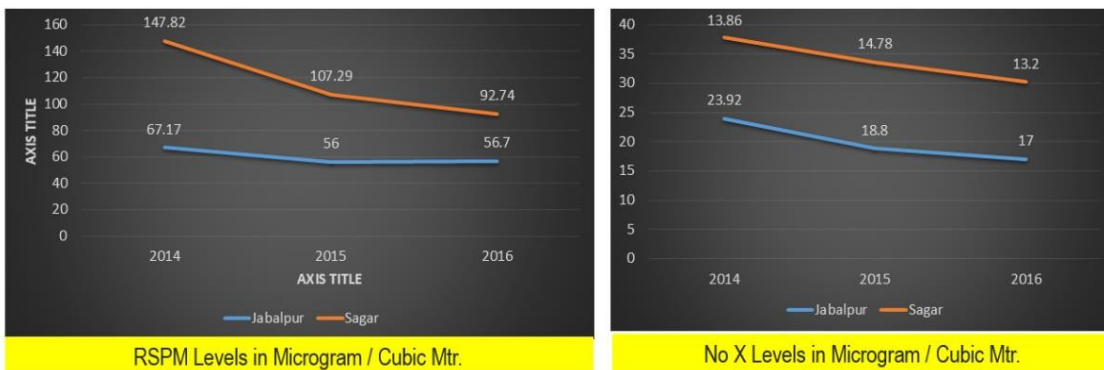


Image: RSPM and NOx Levels in Jabalpur and Sagar



## KEY FEATURES: KATNI

Coverage			
<b>State</b>	Madhya Pradesh, India	<b>District</b>	Katni; Jabalpur
<b>Towns:</b>	Katni, Sihora, Kymore, Sihora and Vijayraghavgarh	<b>Population</b>	320,000 (2014)
<b>Total MSW Generated (per day) ~ 95 MT</b>			
Salient Project Features			
<b>Project Components</b>	Door to Door Collection, Transportation, Segregation, Scientific treatment and safe disposal as per MSW Rules 2000 / SWM 2016; User Charge Billing and conducting IEC activities.	<b>Project Cost (Approx.)</b>	INR 35.39 Crores
<b>Implementation Modality</b>	Public Private Partnership – Design, part-Finance, Build, Operate & Transfer	<b>Concession Period</b>	21 years including implementation
<b>Institutional Arrangement</b>	All five ULBs entered into an inter ULB agreement authorizing the bigger ULB to act as lead member of the cluster.	<b>Operational modality</b>	A. A monitoring committee comprising of all chief Executive Officers of ULBs was authorized through a resolution by ULBs to take all decisions which shall be implemented by the CEO of lead member i.e. Katni.

			B. To help and monitor day to day activities of concessionaire, an agency to be appointed to act as Independent Engineer for the full Concessionaire period.
<b>Project OPEX</b>	Private Operator	<b>Payment Guarantee on Behalf of ULBs</b>	Payment Guarantee from GoMP for payment of tipping fee to Concessionaire.
<b>Waste Processing location</b>	Katni or any other ULB where land is available and the selected Concessionaire desires to use.	<b>Land Fill Site (free of all encumbrances)</b>	6.3 Hectare land in Katni
<b>Potential Revenue Streams for Private Operator</b>	Tipping Fee from implementing agency, Sale of products / by-products		

Project has become fully operational since December 2017 and people of towns are benefitted because of cleanliness of the town.

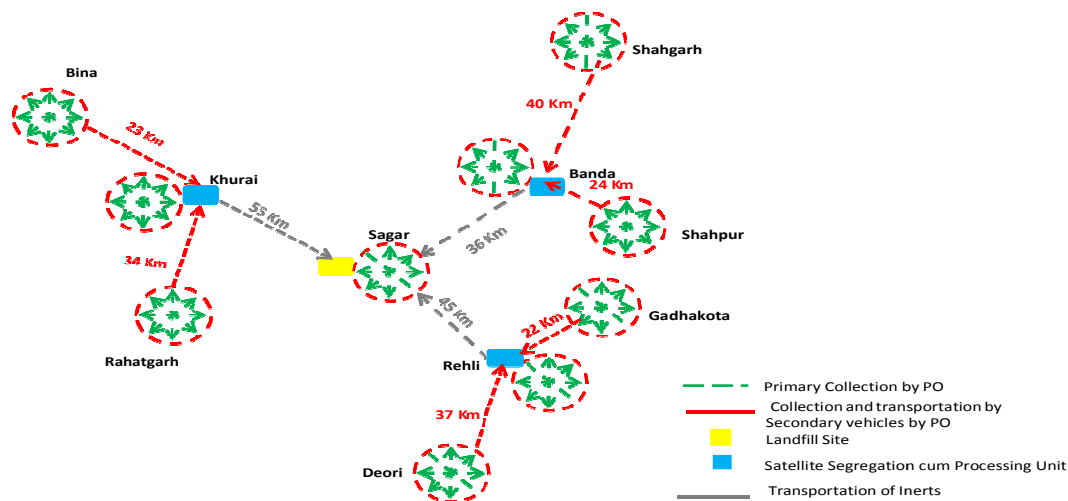
## CLUSTER: JABALPUR (WTE)

Collection, transportation, treatment and disposal of waste from the city have begun, and energy is being produced from the waste. The project is fully operations since Dec 2016 and around 7-8 MW of power is being generated daily.



## CLUSTER: SAGAR (WTC)

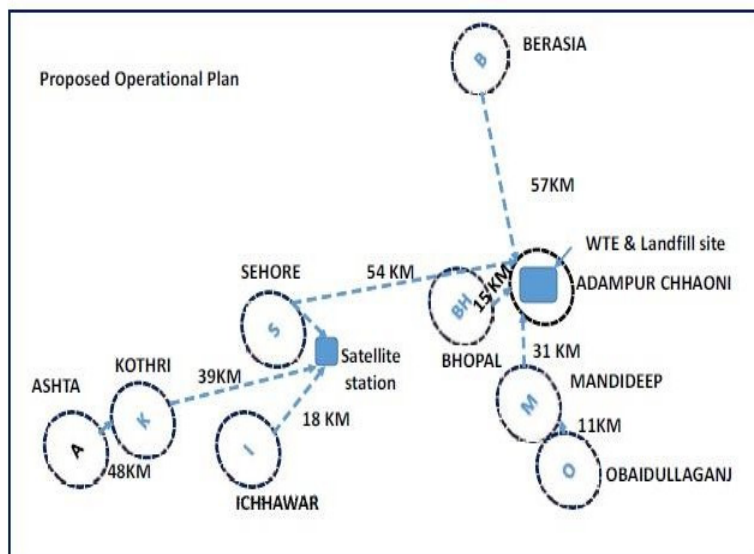
Further, for a cluster with ISWM Facility, Satellite Segregation-cum-Processing units, the image below shows the operational plan for Sagar cluster. The Sagar cluster covers the MSW management in 11 ULBs. In this cluster, an Integrated Solid Waste Management Facility has been planned in Sagar. This ISWM Facility will cater to the waste from Sagar. Further, satellite waste segregation-cum-processing units have been proposed at Khurai, Rehli and Banda where waste from the neighbouring ULBs will be collected, segregated, processed and inert will be transported to Sagar for scientific disposal. Waste storage units may be planned at each of ULBs for temporary storage of waste before transporting it to ISWM facility/ Satellite segregation-cum-processing unit.



The project is in an advanced stage of implementation and may become fully operational by July 2018.

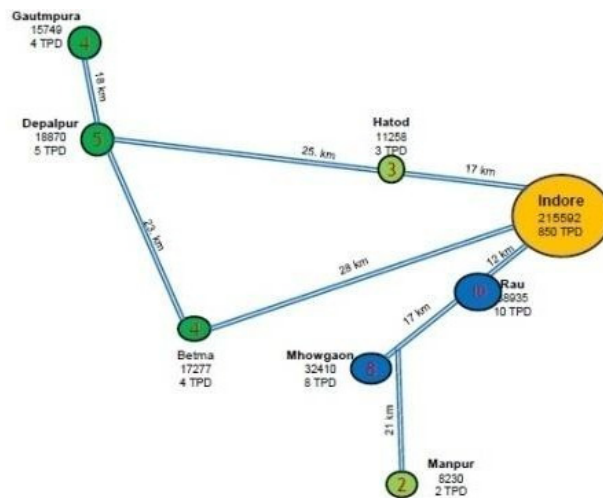
## CLUSTER: BHOPAL (WTE)

- Towns: Ashta, Berasia, Bhopal, Ichhawar, Kothri, Mandideep, Obedullaganj, Sehore
- Est. Project Cost. (Rs. Cr): 465.76
- Total MSW Generated (TPD): 1065
- Concession Period: 21 years including implementation
- Implementation Modality: Public Private Partnership
- Institutional arrangement: An inter ULB agreement authorizing the biggest ULB to act as lead member of the cluster.
- Technology for Waste Treatment: Waste to Energy
- Location of ISWM Facility including Landfill site: Adampur Chawni



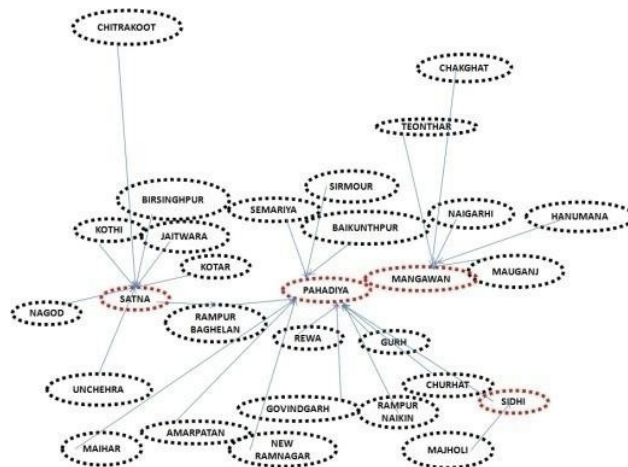
## CLUSTER: INDORE (WTE)

- Towns: Betma, Depalpur, Hatod, Indore, Manpur, Mhowgaon, Rau, Runji-Gautampura
- Est. Project Cost. (Rs. Cr): 470.0
- Total MSW Generated (TPD): 1004
- Concession Period: 21 years including implementation
- Implementation Modality: Public Private Partnership
- Institutional arrangement: An inter ULB agreement authorizing the biggest ULB to act as lead member of the cluster.
- Technology for Waste Treatment: Waste to Energy
- Location of ISWM Facility including Landfill site: Vil. Devguradiya



## CLUSTER: REWA (WTE)

- Towns: Amarpatan, Baikunthpur, Birsinghpur, Chakghat, Chitrakoot, Churhat, Govindgarh, Gurh, Hanumana, Jaitwara, Kotar, Kothi, Maihar, Majhau, Mangawan, Mauganj, Nagod, Naigarhi, New Ramnagar, Rampur Baghelan, Rampur Naikin, Rewa, Satna, Semaria, Sidhi, Sirmour, Teonthar, Unchahara
- Est. Project Cost. (Rs. Cr): 158.0
- Total MSW Generated (TPD): 340
- Concession Period: 21 years including implementation
- Implementation Modality: Public Private Partnership
- Institutional arrangement: An inter ULB agreement authorizing the biggest ULB to act as lead member of the cluster.
- Technology for Waste Treatment: Waste to Energy
- Location of ISWM Facility including Landfill site: Vil. Padhadiya



### CLUSTER: GWALIOR (WTE)

- Towns: Antari, Badoni, Bhandar, Bhitwarwar, Bilaua, Dabra, Datia, Gwalior, Indergarh, Pichhore, Morena, Jhundpura, Sabalgarh, Bamor, Joura, Kailaras
- Est. Project Cost. (Rs. Cr): 254.0 Cr
- Total MSW Generated (TPD): 605
- Concession Period: 21 years including implementation
- Implementation Modality: Public Private Partnership
- Institutional arrangement: An inter ULB agreement authorizing the biggest ULB to act as lead member of the cluster.
- Technology for Waste Treatment: Waste to Energy
- Location of ISWM Facility including Landfill site: Vil. Kedarpur



## OTHER ISWM PROJECTS

The feasibility study reports for Katni, Sagar, Bhopal and Rewa were prepared by the department with the support of DFID funded consulting teams. Later on, for remaining clusters, FSRs were prepared by various consulting agencies deployed by the State Mission Directorate - UADD for SBM. Current status of implementation of the projects is enclosed in annexure II.

Out of these 26 projects, energy may be generated in five projects (67-73 MW) and compost and other products may be produced in the remaining 21 projects. The estimated cost of the projects is 2,648.34 crore (approx.). Out of the total costs, more than 1,300 crore of private investments shall be done.

This innovative approach of the State Government was appreciated by the Central government by selecting it among the top 12 innovative projects (out of 830 entries across all sectors in a competition conducted by Prime Minister Office).

The State Government intends to operationalize the Integrated Solid Waste Management Projects in all ULBs by the end of December 2019. This will enable Integrated Solid Waste Management to be implemented in Urban Madhya Pradesh an effective manner encompassing all components of Solid Waste Management as per SWM rules 2016.

This will result in enhancing cleanliness in the towns thus reducing the number of cases of vector-borne diseases which will eventually improve the quality of life.

4. STEPS FORWARD - FUTURE ACTION PLAN AND TIMELINES

The following table provides status as well as timelines for each of the clusters.

Name of Cluster	No. of ULBs	Est. Waste Generation(2016)	Type of Processing	Status	Timeline
Katni	5	92	Compost	Fully Operational	Since December 2017
Sagar	11	185	Compost	Under Implementation	Environmental Clearance received. To be operational by July 2018
Jabalpur City	1	450	Energy	Commissioned	Since May 2016
Bhopal	8	1065	Energy	Under Implementation	To be operational by December 2019
Rewa	28	340	Energy	Under Implementation	To be operational by October 2019
Indore	8	1004	Energy	Under Implementation	DPR submitted by Concessionaire. To be operational by October 2019
Gwalior	15	543	Energy	Under Implementation	To be operational by October 2019
Hoshangabad	14	164	Compost	Under Implementation	To be operational by October 2019
Burhanpur	10	176	Compost	Under Implementation	To be operational by October 2019
Dewas	24	151	Compost	Under Implementation	To be operational by October 2019
Bhind	15	261	Compost	Under Implementation	To be operational by October 2019
Damoh	07	107	Compost	Under Implementation	To be operational by October 2019
Chhatarpur	33	212	Compost	Under Implementation	To be operational by October 2019
Vidisha	15	160	Compost	Under Implementation	To be operational by October 2019
Shajapur	26	162	Compost	Under Implementation	To be operational by October 2019

<b>Chhindwara</b>	21	173	Compost	Under Implementation	To be operational by October 2019
<b>Betul</b>	8	89	Compost	Under Implementation	To be operational by October 2019
<b>Shivpuri</b>	11	122	Compost	Under Implementation	To be operational by October 2019
<b>Guna</b>	10	152	Compost	Under Implementation	To be operational by October 2019
<b>Shahdol</b>	16	116	Compost	Under Implementation	To be operational by October 2019
<b>Singrauli</b>	1	71	Compost	Under Implementation	To be operational by October 2019
<b>Balaghat</b>	13	97	Compost	Under Implementation	To be operational by October 2019
<b>Jabalpur</b>	15	556	Compost	Under Implementation	To be operational by October 2019
<b>Neemuch</b>	19	103	Compost	Under Implementation	To be operational by October 2019
<b>Barwani</b>	22	189	Compost	Under Implementation	To be operational by October 2019
<b>Ratlam</b>	22	308	Energy	Under Implementation	To be operational by October 2019
<b>Total</b>	<b>377</b>				

## 5. ANNEXURE A – CLUSTER LEVEL DETAILS

The proposed formation of Clusters, Population (Projected from Census 2011 data) and MSW generation is given herewith.

### 1 HOSHANGABAD CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>1 Hoshangabad Cluster</b>	Babai	18078	5
	Budni	18151	5
	Harda	80201	24
	Hoshangabad	127414	38
	Itarsi	107265	32
	Khirkiya	24553	6
	Nasrullaganj	25688	6
	Pipariya	52727	16
	Rehti	12539	3
	Seoni-Malwa	32505	8
	Shahganj	9190	2
	Sohagpur	27040	7
	Timarni	24145	6
	Bankhedi	13677	6
	<b>Total</b>	<b>573173</b>	<b>164</b>

### 2 VIDISHA CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>2 Vidisha Cluster</b>	Badi	21169	5
	Baraily	37432	9

	Basoda	84543	25
	Begamganj	36750	9
	Gairatganj	19637	5
	Kurwai	16724	4
	Lateri	20349	5
	Raisen	47690	12
	Sanchi	9072	2
	Shamshabad	12234	3
	Silwani	20111	5
	Sironj	56651	17
	Sultanpur	11088	3
	Udaipura	19693	5
	Vidisha	168410	51
	<b>Total</b>	<b>581553</b>	<b>161</b>

### 3 BHOPAL CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>3 Bhopal Cluster</b>	Ashta	57433	17
	Berasia	33424	8
	Bhopal	1941873	902
	Ichhawar	16437	4
	Kothri	11367	3
	Mandideep	64420	19
	Obedullaganj	24670	6
	Sehore	117835	35
	<b>Total</b>	<b>2267459</b>	<b>994</b>

### 4 SHAJAPUR CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>4 Shajapur Cluster</b>	Agar	40946	10
	Akodia	12583	3
	Badagaon	7794	2
	Badod	14939	4
	Biaora	53015	16
	Boda	10676	3
	Chhapiheda	9180	2
	Jirapur	23459	6
	Kanad	11293	3
	Khilchipur	20440	5
	Khujner	11647	3
	Kurawar	24215	6
	Machalpur	10233	3
	Nalkheda	18023	5
	Narsinghgarh	34912	9
	Pachore	29585	7
	Pankhedi (Kalapipal)	3876	1
	Polaykalan	13248	3
	Rajgarh	32101	8
	Sarangpur	40426	10
	Shajapur	74796	22
	Shujalpur	55317	17
	Soyatkalan	15962	4
	Susner	17745	4
	Suthaliya	11442	3
	Talen	11427	3
	<b>Total</b>	<b>609280</b>	<b>161</b>

## 5 BETUL CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>5 Betul Cluster</b>	Amla	32629	8
	Athner	12867	3
	Betul	111585	33
	Betul-Bazar	11479	3
	Bhainsdehi	12917	3
	Chicholi	10024	3
	Multai	32371	8
	Sarni	93023	28
	<b>Total</b>	<b>316895</b>	<b>89</b>

## 6 GWALIOR CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>6 Gwalior Cluster</b>	Antari	10744	3
	Badoni	11133	3
	Bhander	27217	7
	Bhitarwar	20622	5
	Bilaua	13923	3
	Dabra	66172	20
	Datia	108295	32
	Gwalior	1138655	455
	Indergarh	24886	6
	Pichhore	13418	3
	Bamor	35461	9
	Jhundpura	10586	3
	Joura	45520	11
	Kailaras	27991	7
	Sabalgarh	43555	11



	Total	1598178	578
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## 7 BHIND CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>7 Bhind Cluster</b>	Akoda	13535	3
	Alampur	11540	3
	Ambah	50946	15
	Bhind	213370	64
	Daboh	19543	5
	Gohad	63647	19
	Gormi	22506	6
	Lahar	38524	10
	Mau	21756	5
	Mehgaon	23039	6
	Mihona	18288	5
	Morena	216498	65
	Phuphkalan	13668	3
	Sewda	23140	6
	Porsa	42838	11
	<b>Total</b>	<b>792838</b>	<b>226</b>

## 8 SHIVPURI CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>8 Shivpuri Cluster</b>	Badarwas	14655	4
	Badoda	19910	5
	Karera	30998	8
	Khaniyadhana	17145	4
	Kolaras	21361	5
	Narwar	20934	5
	Pichhore	19575	5

	Sheopur	77699	23
	Shivpuri	194355	58
	Vijaypur	18319	5
	Bairad	4098	1
	<b>Total</b>	<b>439049</b>	<b>123</b>

## 9 GUNA CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>9 Guna Cluster</b>	Aron	30248	8
	Ashoknagar	88365	27
	Chachaura-Binaganj	23606	6
	Chanderi	35724	9
	Guna	195389	59
	Isagarh	13588	3
	Kumbhraj	21281	5
	Mungaoli	28284	7
	Raghogarh -Vijaypur	67129	20
	Shadora	11469	3
	<b>Total</b>	<b>515083</b>	<b>147</b>

## 10 INDORE CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>10 Indore Cluster</b>	Betma	17277	4
	Depalpur	18870	5
	Hatod	11258	3
	Indore	2151592	968
	Manpur	8230	2
	Mhowgaon	32410	8
	Rau	38935	10
	Runji-Gautampura	15749	4

	<b>Total</b>	<b>2294321</b>	<b>1004</b>
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## 11 BURHANPUR CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>11 Burhanpur Cluster</b>	Bhikangaon	17513	4
	Burhanpur	227733	68
	Chhanera	23814	6
	Khandwa	216774	65
	Mundi	13919	3
	Nepanagar	32053	8
	Omkareshwar	10867	3
	Pandhana	14788	4
	Sanawad	41835	10
	Shahpur	21294	5
	<b>Total</b>	<b>620590</b>	<b>177</b>

## 12 PITHAMPUR CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>12 Barwani Cluster</b>	Anjad	28389	7
	Badnawar	22588	6
	Barwaha	28573	7
	Barwani	59938	18
	Dahi	9189	2
	Dhamnod	34657	9
	Dhar	101420	30
	Dharampuri	17670	4
	Karahi & Padlya Khurd	8315	2
	Kasrawad	24567	6
	Khargone	125429	38

	Khetia	17002	4
	Kukshi	30594	8
	Maheshwar	26361	7
	Manawar	32821	8
	Mandav	11508	3
	Mandleshwar	13329	3
	Palsud	10921	3
	Pansemal	13138	3
	Pithampur	136282	41
	Rajgarh	22319	6
	Rajpur	22620	6
	Sardarpur	7876	2
	Sendhwa	60997	18
	<b>Total</b>	<b>866503</b>	<b>241</b>

## 13 DEWAS CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>13 Dewas Cluster</b>	Bagli	11134	3
	Bhaurasa	13138	3
	Dewas	312681	94
	Hatpiplya	18811	5
	Jawar	8862	2
	Kannod	19162	5
	Kantaphod	11236	3
	Karnawad	12166	3
	Khategaon	27443	7
	Loharda	9937	2
	Maksi	21693	5
	Nemawar	6456	2
	Pipalrawan	10423	3
	Satwas	15235	4
	Sawer	17440	4
	Sonkatch	17867	4

	Khachrodpop	34191	9
	Nagda	100,039	33
	Unhel	14,744	4
	Mahidpur	31650	9
	Makdon	11658	3
	Tarana	24908	7
	Badnagar	36438	10
	Tonk Khurd	8616	2
	<b>Total</b>	<b>795,928</b>	<b>226</b>

## 14 KATNI CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>14 Katni Cluster</b>	Barhi	15060	4
	Katni (MUrvara)	239609	72
	Kymore	20888	5
	Sihora	47567	12
	Vijayraghavgarh	9040	2
	<b>Total</b>	<b>332164</b>	<b>95</b>

## 15 BALAGHAT CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>15 Balaghat Cluster</b>	Baihar	17980	4
	Balaghat	90992	27
	Bamhani	11086	3
	Bichhiya	11260	3
	Dindori	23026	6
	Katangi	17436	4
	Lanji	14641	4

	Malajkhand	36906	9
	Mandla	59537	18
	Nainpur	26904	7
	Niwas	8907	2
	Shahpura	11873	3
	Waraseoni	29690	7
	<b>Total</b>	<b>360238</b>	<b>98</b>

## 16 CHHINDWARA CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>16 Chhindwara Cluster</b>	Amarwara	15271	4
	Badkuhi	10685	3
	Barghat	13067	3
	Bichua	1445	0
	Chand	13296	3
	Chandameta- Butaria	17815	4
	Chaurai Khas	13991	3
	Chhindwara	189036	57
	DaMUa	26633	7
	Dongar Parasia	46204	12
	Harrai	11879	3
	Jamai	24387	6
	Lakhnadon	18684	5
	Lodhikheda	10745	3
	Mohgaon	10701	3
	Neuton Chikhli Kalan	10626	3
	Pandhurna	49112	12
	Piplanarayanwar	9282	2
	Sausar	29653	7
	Chappara*(Village)		
	Seoni	110519	33
	<b>Total</b>	<b>633031</b>	<b>173</b>

## 17 JABALPUR CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>17 Jabalpur Cluster</b>	Barela	13628	3
	Bhedaghat	7189	2
	Chichali	10212	3
	Gadarwara	51407	15
	Gotegaon	30317	8
	Kareli	32320	8
	Katangi	20561	5
	Majholi	14265	4
	Narsinghpur	64757	19
	Panagar	30163	8
	Patan	15792	4
	Saikheda	11648	3
	Salichauka (Babai Kalan)	14280	4
	Shahpura	14688	4
	Tendukheda	14122	4
	<b>Total</b>	<b>345349</b>	<b>94</b>

## 18 NEEMUCH CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>18 Neemuch Cluster</b>	Bhanpura	21013	6
	Garoth	15122	4
	Shamgarh	24637	7
	Suwasara	13304	4
	Malhagarh	8332	2
	Narayangarh	10191	3
	Piplya Mandi	15070	4
	Singroli	9523	3

	Ratangarh	7994	2
	Diken	7951	2
	Athana	6456	2
	Jawad	17129	5
	Nayagaon	6699	2
	Sarwania Maharaj	6737	2
	Jiran	11518	3
	Neemuch	128561	37
	Kukdeshwar	11956	3
	Manasa	26551	7
	Rampura	18364	5
	<b>Total</b>	<b>427880</b>	<b>120</b>

## 19 RATLAM CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>19 Ratlam Cluster</b>	Alot	26041	7
	Badawada	9395	2
	Dhamnod	9007	2
	Jaora	80891	24
	Jhabua	38609	10
	Meghnagar	13962	3
	Namli	10555	3
	Petlawad	16386	4
	Piploda	8957	2
	Ranapur	13359	3
	Ratlam	286077	86
	Sailana	12947	3
	Tal	16104	4
	Thandla	17015	4
	Mandsaur	152984	46
	Nagri	7596	2
	Sitamau	15179	4
	Pithampur	136282	41



	Dhar	101420	30
	Rajgarh	32101	8
	Sadarpur	7876	2
	Badnawar	22588	6
	<b>Total</b>	<b>1035331</b>	<b>296</b>

## 20 REWA CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>20 Rewa Cluster</b>	Amarpatan	20960	5
	Baikunthpur	11103	3
	Birsinghpur	15485	4
	Chakghat	11531	3
	Chitrakoot	25179	6
	Churhat	16157	4
	Govindgarh	11390	3
	Gurh	15775	4
	Hanumana	18111	5
	Jaitwara	10459	3
	Kotar	8121	2
	Kothi	9495	2
	Maihar	43403	11
	Majhauri	12842	3
	Mangawan	14794	4
	Mauganj	28531	7
	Nagod	24371	6
	Naigarhi	11235	3
	New Ramnagar	23349	6
	Rampur Baghelan	14728	4
	Rampur Naikin	12890	3
	Rewa	254480	76
	Satna	305583	92
	Semaria	14520	4
	Sidhi	58671	18

	Sirmour	12827	3
	Teonthar	18400	5
	Unchahara	19915	5
	<b>Total</b>	<b>1044305</b>	<b>292</b>

## 21 SHAHDOL CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>21 Shahdol Cluster</b>	Amarkantak	9088	2
	Anuppur	21489	5
	Beohari	26506	7
	Bijuri	35293	9
	Burhar	20830	5
	Chandia	17160	4
	Dhanpuri	48763	12
	Jaisinghnagar	8891	2
	Jaithari	9067	2
	Khand	11504	3
	Kotma	32077	8
	Nowrozabad	23631	6
	Pali	24107	6
	Pasan	30720	8
	Shahdol	93606	28
	Umaria	35759	9
	<b>Total</b>	<b>448491</b>	<b>117</b>

## 22 SINGRAULI CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>22 Singrauli Cluster</b>	Singrauli	237853	71
	<b>Total</b>	<b>237853</b>	<b>71</b>

## 23 SAGAR CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>23 Sagar Cluster</b>	Banda	33393	8
	Bina- Etawa	69684	21
	Deori	27680	7
	Garhakota	35340	9
	Khurai	55191	17
	Rahatgarh	34056	9
	Rehli	32752	8
	Sagar	296490	89
	Shahgarh	17602	4
	Shahpur	14760	4
	Mackronia	23861	9
	<b>Total</b>	<b>640809</b>	<b>185</b>

## 24 DAMOH CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>24 Damoh Cluster</b>	Damoh	150710	45
	Hatta	35059	9
	Hindoria	17279	4
	Patera	10720	3
	Patharia	22706	6
	Buxwaha	10216	3
	Tendukheda	15549	4
	<b>Total</b>	<b>262239</b>	<b>74</b>

## 25 CHHATARPUR CLUSTER

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>25 Chhatarpur Cluster</b>	Bada Malhera	19800	5
	Badagaon	10024	3
	Baldeogarh	9804	2
	Barigarh	9630	2
	Bijawar	22152	6
	AJAY GARH	16656	5
	Amanganj	13886	4
	Devendra nagar	12785	4
	Kakarhati	8452	3
	Pawai	14465	4
	Panna	159091	16
	Chandla	13864	3
	Chhatarpur	153482	46
	Garhi - Malhera	14713	4
	Ghuwara	14364	4
	Harpalpur	20009	5
	Jatara	18897	5
	Jeron Khalsa	10179	3
	Kari	11241	3
	Khajuraho	26437	7
	Khargapur	15996	4
	Laundi	23760	6
	Lidhora Khas	14010	4
	Maharajpur	25192	6
	Niwari	25619	6
	Nowgong	43822	11
	Orchha	12431	3
	Palera	18890	5
	Prithvipur	29031	7
	Rajnagar	15392	4

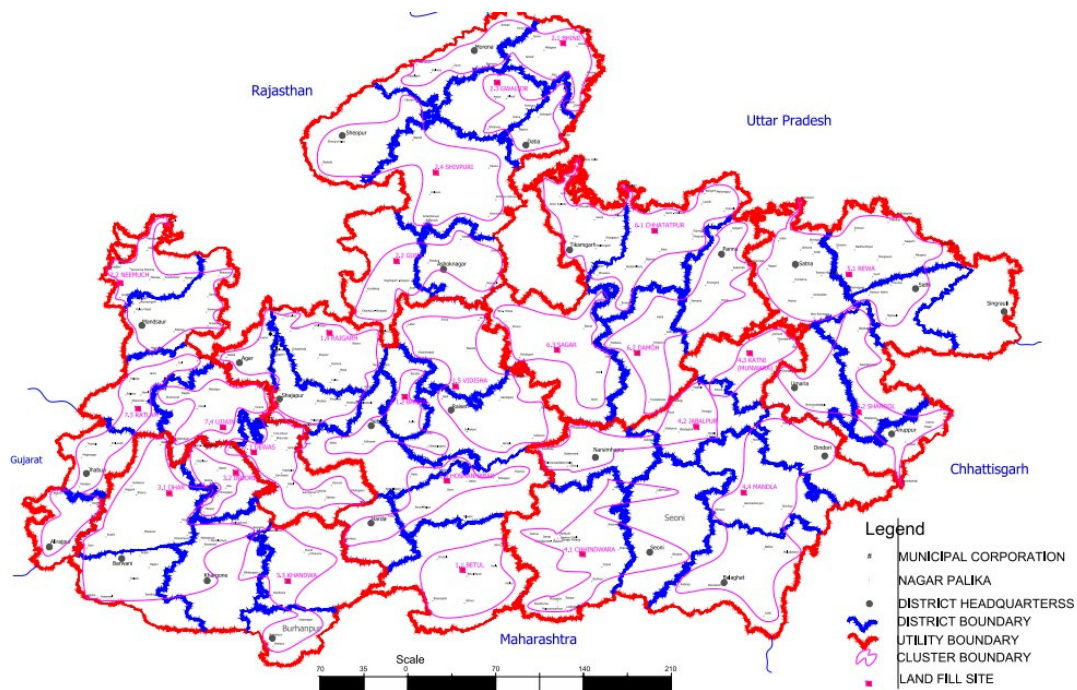
	Satai	11438	3
	Tarichar Kalan	8287	2
	Tikamgarh	85426	26
	<b>Total</b>	<b>909225</b>	<b>221</b>

## 26 JABALPUR CITY

Name of Cluster	Town	Population (2015)	MSW Generation in TPD (2015)
<b>26 Jabalpur City</b>	Jabalpur	1154715	462
	Jabalpur City Project is Stand alone project only for Jabalpur City. Cities of Jabalpur Cluster are formed into Jabalpur Cluster and Bid is invited		

<b>Ujjain City</b>	For Ujjain City – Solid Waste Management Project is being executed by NN-Ujjain, JNNURM Project.
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The tentative clusters for MSW managements are shown in the image below and are detailed in the Appendix A.



### Annexure -III

[illegible]

**Annexure - IV****Compliance to schedule-I of SW Rules (Number/name of town/Capacity)**

S.No	Regional Office	Good practices in cities/towns	House-to-house collection	Segregation	Storage	Covered transportation
1	Bhopal	47	41	19	19	21
2	Chhindwara	0	17	1	17	9
3	Dewas	1	20	1	1	1
4	Dhar	8	16	8	8	18
5	Guna	20	7	0	20	7
6	Gwalior	30	9	0	30	12
7	Indore	1	33	33	33	33
8	Jabalpur	1	32	32	32	32
9	Katni	1	4	0	4	4
10	Pithampur	1	1	1	1	1
11	Rewa	1	1	1	1	1
12	Sagar	12	27	12	45	45
13	Satna	1	1	0	1	0
14	Shahdol	18	18	8	0	18
15	Singaurola	1	1	1	1	1
16	Ujjain	4	46	16	4	46
	<b>Total</b>	<b>147</b>	<b>274</b>	<b>133</b>	<b>217</b>	<b>249</b>

**Compliance to Schedule I of SW Rules (Name of Town)**

<b>S. No.</b>	<b>RO</b>	<b>Good practices in cities/towns</b>	<b>House-to-house collection</b>	<b>Segregation</b>	<b>Storage</b>	<b>Covered transportation</b>
1	<b>Bhopal</b>	Sultanpur	Badi	Bhopal	Bhopal	Bhopal
2		Silwani	Ganjbasoda	Ganjbasoda	Ganjbasoda	Ganjbasoda
3		Sanchi	Sironj	Bairasia	Bairasia	Bairasia
4		Begamganj	Kurwai	Sehore	Sehore	Sehore
5		Raisen	Lateri	Obedullaganj	Obedullaganj	Obedullaganj
6		Mandideep	Seoni Malwa	Sarani	Sarani	Sarani
7		Bareli	Itarsi	Aathner	Aathner	Aathner
8		Badi	Babai	Gairatganj	Gairatganj	Gairatganj
9		Obedullaganj	Sohagpur	Kothari	Kothari	Kothari
10		Udaypura	Betul	Multai	Multai	Multai
11		Gairatgang	Amla	Udaypura	Udaypura	Udaypura
12		Ganjbasoda	Sarni,	Shahganj	Shahganj	Shahganj
13		Sironj	Multai	Rehati	Rehati	Rehati
14		Kurwai	Betul Bazar	Timarni	Timarni	Timarni
15		Shamshabad	Athner	Budhni	Budhni	Budhni
16		Lateri	Berasiya	Begamganj	Begamganj	Begamganj
17		Vidisha	Sehore	Lateri	Lateri	Lateri
18		Hoshangabad	Aashta	Seoni Malwa	Seoni Malwa	Seoni Malwa
19		Itarsi	Budhni	Itarsi	Itarsi	Itarsi
20		Pipariya	Jawar			Betul
21		Babai	Ichhawar			Sultanpur
22		Sohagpur	Rehti			
23		Pachmarhi	Nasrullaganj			
24		Seoni-Malwa	Kothri			
25		Nagar Nigam Bhopal	Shahganj			
26		Berasiya	Harda			
27		Betul	Khirkia			
28		Amla	Timarni			
29		Sarni	Cantonment Board Pachmarhi			
30		Multai	Raisen			
31		Bhensdehi	Obedullaganj			
32		Betul Bazar	Udaypura,			
33		Chicholi	Bareli			
34		Athner	Gairatgang			
35		Sehore	Sultanpur			



36		Aashta	Shamshabad			
37		Budhni	Silwani			
38		Kothri	Sanchi			
39		Jawar	Bhopal			
40		Ichhawar	Ganjbasoda,			
41		Rehti	Begamganj			
42		Nasrullaganj				
43		Shahganj				
44		Harda				
45		Khirkiya				
46		Timarni				
47		Bankhedi				
1	<b>Chhindwara</b>		Chhindwara	Chhindwara	Chhindwara	Chhindwara
2			Amarwara		Amarwara	Amarwara
3			Badkuhi		Badkuhi	Chourai
4			Bichhua		Bichhua	Damua
5			Chand		Chand	Dongar Parasia
6			Chandameta		Chandameta	Jamai
7			Chourai		Chourai	Neuton Chikhali
8			Damua		Damua	Pandhurna
9			Dongar Parasia		Dongar Parasia	Sousar
10			Harri		Harri	
11			Jamai		Jamai	
12			Lodikheda		Lodikheda	
13			Mohgaon		Mohgaon	
14			Neuton Chikhali		Neuton Chikhali	
15			Pandhurna		Pandhurna	
16			Narayan Pipliwar		Narayan Pipliwar	
17			Sousar		Sousar	
1	<b>Dewas</b>	Dewas	Dewas	Dewas	Dewas	Dewas
2			Sonkatchha			
3			Bhonrasa			
4			Bagli			
5			Khategaon			
6			Kannod			
7			Kantaphod			
8			Karnawad			
9			Loharda			

10			Hatpiplya			
11			Satwas			
12			Tonkkhurd			
13			Pipalrawan			
14			Shajapur			
15			Shujalpur			
16			Akodiya			
17			Pankhedi/ Kalapipal			
18			Makshi			
19			Nagar Parisad Nemawar			
20			Polaikala			
1	<b>Dhar</b>	Dhar	Dhar	Dhar	Dhar	Dhar
2		Sardarpur	Sardarpur	Sardarpur	Sardarpur	Sardarpur
3		Rajgarh	Rajgarh	Rajgarh	Rajgarh	Rajgarh
4		Badnawar	Badnawar	Badnawar	Badnawar	Badnawar
5		Dharampuri	Dharampuri	Dharampuri	Dharampuri	Dharampuri
6		Dhanmod	Dhanmod	Dhanmod	Dhanmod	Dhanmod
7		Mandu	Mandu	Mandu	Mandu	Mandu
8		Manawar	Manawar	Manawar	Manawar	Manawar
9			Kukshi			Kukshi
10			Ranapur			Ranapur
11			Thandla			Thandla
12			Petlawad			Petlawad
13			Jhabua			Jhabua
14			Jobat			Jobat
15			Bhabhra			Bhabhra
16			Alirajpur			Alirajpur
17						Meghnagar
18						Dahi
1	<b>Guna</b>	Guna	Guna	Nil	Guna	Guna
2		Radhogarh	Raghogarh		Radhogarh	Radhogarh
3		Aron	Shivpuri		Aron	Shivpuri
4		Kumbhraj	Ashok Nagar		Kumbhraj	Ashok Nagar
5		Shivpuri	Chanderi		Shivpuri	Chanderi
6		Kolaras	Rajgarh		Kolaras	Rajgarh
7		Badarwas	Bioara		Badarwas	Bioara
8		Narwar			Narwar	

9		Pichhore			Pichhore	
10		Karera			Karera	
11		Khaniyadhana			Khaniyadhana	
12		Ashok Nagar			Ashok Nagar	
13		Ishagarh			Ishagarh	
14		Mungaoli			Mungaoli	
15		Rajgarh			Rajgarh	
16		Bioara			Bioara	
17		Sarangpur			Sarangpur	
18		Khilchipur			Khilchipur	
19		Pachor			Pachor	
20		Narsinggarh			Narsinggarh	
1	<b>Gwalior</b>	Gwalior	Gwalior		Gwalior	Gwalior
2		Dabra	Antri		Dabra	Dabra
3		Pichhore	Bhind		Pichhore	Antri
4		Bhitarwar	Morena		Bhitarwar	Gormi
5		Antri	Joura		Antri	Mou
6		Billoua	Banmore		Billoua	Morena
7		Bhind	Sevdha		Bhind	Joura
8		Gohad	Indergarh		Gohad	Banmore
9		Alampur	Bhander		Alampur	Ambah
10		Phoofkalan			Phoofkalan	Porsa
11		Akoda			Akoda	Sevdha
12		Lahar			Lahar	Indergarh
13		Gormi			Gormi	
14		Mou			Mou	
15		Mihona			Mihona	
16		Morena			Morena	
17		Joura			Joura	
18		Kailaras			Kailaras	
19		Sabargarh			Sabargarh	
20		Banmore			Banmore	
21		Ambah			Ambah	
22		Porsa			Porsa	
23		Jhundpura			Jhundpura	
24		Datia			Datia	
25		Sevadha			Sevadha	
26		Indergarh			Indergarh	
27		Badoni			Badoni	
28		Seopur			Seopur	
29		Baroda			Baroda	
30		Vijapur			Vijapur	
1	<b>Indore</b>	Indore	Indore	Indore	Indore	Indore
2			Betma	Betma	Betma	Betma
3			Cantonment	Cantonment	Cantonment	Cantonment Board

			Board Mhow	Board Mhow	Board Mhow	Mhow
4			Depalpur	Depalpur	Depalpur	Depalpur
5			Sanwer	Sanwer	Sanwer	Sanwer
6			Rau	Rau	Rau	Rau
7			Manpur	Manpur	Manpur	Manpur
8			Hatod	Hatod	Hatod	Hatod
9			Mhow Gaon	Mhow Gaon	Mhow Gaon	Mhow Gaon
10			Gaotampura	Gaotampura	Gaotampura	Gaotampura
11			Barwani	Barwani	Barwani	Barwani
12			Sendhwa	Sendhwa	Sendhwa	Sendhwa
13			Anjad,	Anjad,	Anjad,	Anjad,
14			Rajpur	Rajpur	Rajpur	Rajpur
15			Pansemal	Pansemal	Pansemal	Pansemal
16			Khetia	Khetia	Khetia	Khetia
17			Khargone	Khargone	Khargone	Khargone
18			Barwaha, Khargone	Barwaha, Khargone	Barwaha, Khargone	Barwaha, Khargone
19			Bhikan Gaon,	Bhikan Gaon,	Bhikan Gaon,	Bhikan Gaon,
20			Maheshwer	Maheshwer	Maheshwer	Maheshwer
21			Sanawad, Khargone	Sanawad, Khargone	Sanawad, Khargone	Sanawad, Khargone
22			Kasarawad, Khargone	Kasarawad, Khargone	Kasarawad, Khargone	Kasarawad, Khargone
23			Mandaleshwer	Mandaleshwer	Mandaleshwer	Mandaleshwer
24			Khandwa	Khandwa	Khandwa	Khandwa
25			Omkareshwer	Omkareshwer	Omkareshwer	Omkareshwer
26			Pandhana	Pandhana	Pandhana	Pandhana
27			Mundi	Mundi	Mundi	Mundi
28			Burhanpur	Burhanpur	Burhanpur	Burhanpur
29			Nepa Nagar	Nepa Nagar	Nepa Nagar	Nepa Nagar
30			Shahpur,	Shahpur,	Shahpur,	Shahpur,
31			Karhi,	Karhi,	Karhi,	Karhi,
32			Palsood	Palsood	Palsood	Palsood
33			Chanera harsood	Chanera harsood	Chanera harsood	Chanera harsood
1	<b>Jabalpur</b>	Jabalpur	Jabalpur	Jabalpur	Jabalpur	Jabalpur
2		Panagar	Panagar	Panagar	Panagar	Panagar
3		Sihora	Sihora	Sihora	Sihora	Sihora
4		Majholi	Majholi	Majholi	Majholi	Majholi
5		Patan	Patan	Patan	Patan	Patan
6		, Barela	Barela	, Barela	, Barela	, Barela
7		, Katangi	Katangi	, Katangi	, Katangi	, Katangi
8		, Sehpura Bhitoni	Sehpura Bhitoni	Sehpura Bhitoni	Sehpura Bhitoni	, Sehpura Bhitoni
9		Bhedaghat	Bhedaghat	Bhedaghat	Bhedaghat	Bhedaghat

10			Cantonment Board, Sadar	Cantonment Board, Sadar	Cantonment Board, Sadar	Cantonment Board, Sadar
11			Seoni	Seoni	Seoni	Seoni
12			Lakhnadaun	Lakhnadaun	Lakhnadaun	Lakhnadaun
13			Barghat	Barghat	Barghat	Barghat
14			Narsinghpur	Narsinghpur	Narsinghpur	Narsinghpur
15			Gotegaon	Gotegaon	Gotegaon	Gotegaon
16			Gadarwara	Gadarwara	Gadarwara	Gadarwara
17			Kareli	Kareli	Kareli	Kareli
18			Tendukheda	Tendukheda	Tendukheda	Tendukheda
19			Saikheda	Saikheda	Saikheda	Saikheda
20			Chichli	Chichli	Chichli	Chichli
21			Salichouka	Salichouka	Salichouka	Salichouka
22			Balaghat	Balaghat	Balaghat	Balaghat
23			Waraseoni	Waraseoni	Waraseoni	Waraseoni
24			Katangi	Katangi	Katangi	Katangi
25			Malanjkhanda	Malanjkhanda	Malanjkhanda	Malanjkhanda
26			Baihar	Baihar	Baihar	Baihar
27			Lanji	Lanji	Lanji	Lanji
28			Mandla	Mandla	Mandla	Mandla
29			Nainpur	Nainpur	Nainpur	Nainpur
30			Bamhni Banjar	Bamhni Banjar	Bamhni Banjar	Bamhni Banjar
31			Bichhiya	Bichhiya	Bichhiya	Bichhiya
32			Niwas	Niwas	Niwas	Niwas
1	<b>Katni</b>	Katni	Barhi		Barhi	Barhi
2			Vijayraghavgarh		Vijayraghavgarh	Vijayraghavgarh
3			Kymore		Kymore	Kymore
4			Katni		Katni	Katni
1	<b>Pithampur</b>	Pithampur	Pithampur	Pithampur	Pithampur	Pithampur
1	<b>Rewa</b>	Rewa	Rewa	Rewa	Rewa	Rewa
1	<b>Sagar</b>	Sagar	Sagar	Sagar	Sagar	Sagar
2		Deori	Deori	Deori	Deori	Deori
3		Garhakota	Garhakota	Garhakota	Garhakota	Garhakota
4		Khurai	Khurai	Khurai	Khurai	Khurai
5		Rahli	Rahli	Rahli	Rahli	Rahli
6		Bina-Itawa	Bina-Itawa	Bina-Itawa	Bina-Itawa	Bina-Itawa
7		Banda-Belai	Banda-Belai	Banda-Belai	Banda-Belai	Banda-Belai
8		Rahatgarh	Rahatgarh	Rahatgarh	Rahatgarh	Rahatgarh
9		Shahgarh	Shahgarh	Shahgarh	Shahgarh	Shahgarh
10		Shahpur	Shahpur	Shahpur	Shahpur	Shahpur
11		Makroniya	Makroniya	Makroniya	Makroniya	Makroniya
12		Cantonment Board, Sagar	Cantonment Board, Sagar	Cantonment Board, Sagar	Cantonment Board, Sagar	Cantonment Board, Sagar
13			Tikamgarh		Chhatarpur	Chhatarpur
14			Orchha		Nowgong	Nowgong

15			Prithvipur		Ghuwara	Ghuwara
16			Jatara		Bijawar	Bijawar
17			Chhatarpur		Harpalpur	Harpalpur
18			Khajuraho		Lavkushnagar	Lavkushnagar
19			Nowgong		Baxwaha	Baxwaha
20			Badamalehra		Badamalehra	Badamalehra
21			Damoh		Chandla	Chandla
22			Hatta		Satai	Satai
23			Panna		Khajuraho	Khajuraho
24			Amanganj		Rajnagar	Rajnagar
25			Ajaygarh		Damoh	Damoh
26			Devendranagar		Hata	Hata
27			Pawai		Hindoria	Hindoria
28					Patharia	Patharia
29					Tendukheda	Tendukheda
30					Panna	Panna
31					Ajaygarh	Ajaygarh
32					Amanganj	Amanganj
33					Devendranagar	Devendranagar
34					Pawai	Pawai
35					Tikamgarh	Tikamgarh
36					Lidhorakhas	Lidhorakhas
37					Orchha	Orchha
38					Jatara	Jatara
39					Kari	Kari
40					Niwadi	Niwadi
41					Palera	Palera
42					Prithvipur	Prithvipur
43					Jeronkhalsa	Jeronkhalsa
44					Khargapur	Khargapur
45					Taricharkala	Taricharkala
1	<b>Satna</b>	Satna	Satna	Nil	Satna	Nil
1	<b>Shahdol</b>	Nowrozabad	Nowrozabad	Nowrozabad	Nil	Nowrozabad
2		Pali	Pali	Chandia		Pali
3		Chandia	Chandia	Bansagar		Chandia
4		Bansagar	Bansagar	Jaisingnagar		Bansagar
5		Jaisingnagar	Jaisingnagar	Shahdol		Jaisingnagar
6		Shahdol	Shahdol	Budhar		Shahdol
7		Dindori	Dindori	Shahpura		Dindori
8		Budhar	Budhar	Kotma		Budhar
9		Dhanpuri	Dhanpuri			Dhanpuri
10		Beuhari	Beuhari			Beuhari
11		Anuppur	Anuppur			Anuppur
12		Passan	Passan			Passan
13		Jaithari	Jaithari			Jaithari

14		Shahpura	Shahpura			Shahpura
15		Bijuri	Bijuri			Bijuri
16		Amarkantak	Amarkantak			Amarkantak
17		Kotma	Kotma			Kotma
18		Umaria	Umaria			Umaria
1	<b>Singrauli</b>	Singrauli	Singrauli	Singrauli	Singrauli	Singrauli
1	<b>Ujjain</b>	Ujjain	Ujjain	Ujjain	Ujjain	Ujjain
2		Sailana	Ratlam	Ratlam	Sailana	Ratlam
3		Nagda	Jaora	Jaora	Nagda	Jaora
4		Neemuch	Badnagar	Nagda	Neemuch	Badnagar
5			Nagda	Mandsaur		Nagda
6			Khachrod	Neemuch		Khachrod
7			Mahidpur	Sailana		Mahidpur
8			Agar Malwa	Garoth		Agar Malwa
9			Mandsaur	Shamgarh		Mandsaur
10			Neemuch	Jawad		Neemuch
11			Sailana	Manasa		Sailana
12			Unhel	Rampura		Unhel
13			Tarana	Bhanpura		Tarana
14			Namli	Sitamaui		Namli
15			Malhargarh	PipliyaMandi		Malhargarh
16			Garoth	Agar Malwa		Garoth
17			Narayangarh			Narayangarh
18			PipliyaMandi			PipliyaMandi
19			Shamgarh			Shamgarh
20			Jawad			Jawad
21			Diken			Diken
22			Ratangarh			Ratangarh
23			Manasa			Manasa
24			Singoli			Singoli
25			Rampura			Rampura
26			Bhanpura			Bhanpura
27			Sitamaui			Sitamaui
28			Tal			Tal
29			Alot			Alot
30			Barawada			Barawada
31			Nulkheda			Nulkheda
32			Soyatkala			Soyatkala
33			Barod			Barod
34			Kanad			Kanad
35			Susner			Susner
36			Jiran			Jiran
37			Nagari			Nagari
38			Ratangarh			Ratangarh
39			Piploda			Piploda

40			Makdon			Makdon
41			Suwasra			Suwasra
42			Nayagoan			Nayagoan
43			Sarwania Maharaj			Sarwania Maharaj
44			Kukdeshwar			Kukdeshwar
45			Baragoan			Baragoan
46			Dhamnod			Dhamnod





ए. ए. मिश्रा

सदस्य सचिव

A. A. Mishra

Member Secretary



Annexure - V 247  
मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड  
MADHYA PRADESH POLLUTION CONTROL BOARD  
PARYAWARAN PARISAR  
E-5, Arera Colony, Bhopal-462016  
Phone : 0755-2466735 (O) Fax : 0755-2463742  
EPBX : 0755-2517600, 2466191  
E-mail : achyutmishra-mspcb@mp.gov.in  
hq-mppcb@mp.gov.in  
Web : www.mppcb.nic.in

अर्द्ध शास. पत्र क्रमांक : 1534

दिनांक : 9-8-18

विषय :- ठोस अपशिष्ट प्रबंधन नियम, 2016 तथा निर्माण तथा विध्वंश अपशिष्ट प्रबंधन नियम, 2016 के अन्तर्गत वार्षिक प्रतिवेदन उपलब्ध कराने बाबत।

संदर्भ :- बोर्ड का पत्र क्रमांक 1192 दिनांक 22/06/2018 एवं अर्द्ध शास. पत्र क्रमांक 1453 दिनांक 28/07/2018

प्रिय श्री नीलेश

कृपया उपरोक्त संदर्भित पत्रों का अवलोकन करने का कष्ट करें, सुलभ संदर्भ हेतु छायाप्रतियाँ संलग्न हैं। भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा अधिसूचित उपरोक्त विषयांकित नियमों में प्रदत्त विभिन्न प्रावधानों के परिपालन में नगरीय प्रशासन एवं विकास विभाग एवं स्थानीय नगरीय निकायों की अहम भूमिका है।

उल्लेखनीय है कि नगरीय प्रशासन विभाग द्वारा प्रत्येक वर्ष 30 जून तक प्रदेश में नगरीय क्षेत्रों में उत्पन्न निर्माण एवं विध्वंश अपशिष्टों के प्रबंधन तथा नगरीय ठोस अपशिष्ट प्रबंधन के संबंध में प्रत्येक नगरीय निकाय में अपशिष्टों के प्रबंधन की जानकारी संकलित कर निर्धारित प्रपत्रों में वार्षिक प्रतिवेदन मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड को उपलब्ध कराया जाता है। बोर्ड द्वारा यह प्रतिवेदन अपने अभिमत/सुझाव के साथ केन्द्रीय प्रदूषण नियंत्रण बोर्ड, दिल्ली तथा राज्य शासन को 31 जुलाई तक प्रेषित किये जाने का प्रावधान है।

बोर्ड के क्षेत्रीय कार्यालयों द्वारा उनके कार्यक्षेत्र में स्थित नगरीय निकायों से निरंतर सम्पर्क रखने तथा स्मरण कराये जाने के उपरान्त भी उन्हें वार्षिक प्रतिवेदन की जानकारी प्राप्त नहीं हो रही है, जिसके परिणाम स्वरूप मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड मुख्यालय को भी जानकारी अप्राप्त है।

उपरोक्त नियमों में नगरीय प्रशासन विभाग द्वारा वार्षिक प्रतिवेदन प्रस्तुत करने की अंतिम तिथि 30 जून निर्धारित थी, किन्तु प्रतिवेदन अप्राप्त है। अतः कृपया प्रदेश के सभी नगरीय निकायों से वार्षिक प्रतिवेदन प्राप्त कर जानकारी निर्धारित प्रपत्र में संकलित कर बोर्ड को तत्काल उपलब्ध कराने का कष्ट करें, ताकि इसे केन्द्रीय प्रदूषण नियंत्रण बोर्ड, दिल्ली को भेजा जा सके।

संलग्न :- उपरोक्तानुसार।

अच्युत मिश्रा

अच्युत मिश्रा

(ए.ए. मिश्रा)

सदस्य सचिव

प्रति,

श्री नीलेश दुबे,

उप संचालक, स्वच्छ भारत मिशन,

संचालनालय, नगरीय प्रशासन एवं विकास विभाग,

शिवाजी नगर, भोपाल (म.प्र.)।



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**मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड**  
**पर्यावरण परिसर, ई-5 सेक्टर, अरेरा कॉलोनी, भोपाल-462016**  
 दूरभाष 07552464428, 2466191 फैक्स नं. 07552463742 वेबसाईट www.mppcb.nic.in

स्मरण पत्र

कमांक 1192 / तक/ मुप्रनिबो/2018,  
 प्रति,

भोपाल, दिनांक 22-6-18

आयुक्त,  
 संचालनालय,  
 नगरीय प्रशासन एवं विकास विभाग,  
 भोपाल।

विषय :- ठोस अपशिष्ट प्रबंधन नियम, 2016 के अन्तर्गत फार्म-IV में वार्षिक प्रतिवेदन प्रस्तुत करने बावत्।

संदर्भ :- बोर्ड का पत्र कमांक 04 दिनांक 03/04/2017 तथा पत्र कमांक 786 दिनांक 04/05/2018

महोदय,

कृपया उपरोक्त संदर्भित पत्र का अवलोकन करने का कष्ट करें, सुलभ संदर्भ हेतु छायाप्रति संलग्न है। उल्लेखनीय है कि भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय द्वारा भारत के राजपत्र में 'ठोस अपशिष्ट प्रबंधन नियम, 2016' प्रकाशित किये गये हैं जो कि दिनांक 08/04/2016 से प्रभावशील हैं।

इस अधिनियम के तहत नगरीय निकायों को बोर्ड से प्राधिकार लेना है तथा जहाँ घरेलू ठोस अपशिष्ट का डिस्पोजल करना है वहाँ स्थल हेतु यदि पर्यावरण स्वीकृति के दायरे में आता है तो पर्यावरणीय स्वीकृति प्राप्त करना होगी। अधिनियम के अन्तर्गत घरेलू कचरा संग्रहण, पृथक्करण, परिवहन, प्रोसेसिंग एवं डिस्पोजल आदि हेतु जो एजेन्सी जिम्मेदार है, जिसके द्वारा कार्य करना है, को भी बोर्ड से प्राधिकार प्राप्त करना होगा।

उपरोक्त नियमों का पालन सुनिश्चित करते हुए नियम 24(2) के अनुसार प्रत्येक नगरीय निकाय को 30 जून तक निर्धारित प्रपत्र फार्म-IV (संलग्न) में वार्षिक प्रतिवेदन क्षेत्रीय कार्यालय, म.प्र. प्रदूषण नियंत्रण बोर्ड को प्रस्तुत करना है। उल्लेखनीय है कि नगरीय ठोस अपशिष्ट प्रबंधन से संबंधित प्रकरण माननीय उच्चतम न्यायालय के समक्ष भी विचाराधीन है, जिसमें माननीय न्यायालय द्वारा नगरीय ठोस अपशिष्ट प्रबंधन की विस्तृत जानकारी भी चाही गई है। अतः अनुरोध है कि वार्षिक प्रतिवेदन समय-सीमा में उपलब्ध कराने हेतु प्रदेश के सभी नगरीय निकायों को निर्देशित करने का कष्ट करें।

संलग्न :- वार्षिक प्रतिवेदन का फार्म-IV

पृ.कमांक 1193 / तक/ मुप्रनिबो/2018,  
 प्रतिलिपि :-

क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, म.प्र. प्रदूषण नियंत्रण बोर्ड, भोपाल/ इन्दौर/ धार/ पीथमपुर/ एसईजेड पीथमपुर/ उज्जैन/ देवास/ जबलपुर/ कटनी/ छिन्दवाड़ा/ सागर/ ग्वालियर/ गुना/ रीवा/ सतना/ सिंगरौली/ शहडोल की ओर सूचनार्थ।

कृपया जानकारी समय-सीमा में प्रेषित करने हेतु 'आपके कार्यक्षेत्र में स्थित नगरीय निकायों से समन्वय कर कार्यवाही करें।

01C (ए.ए. मिश्रा)  
 सदस्य सचिव  
 भोपाल, दिनांक 22-6-18

01C (ए.ए. मिश्रा)  
 सदस्य सचिव

अनुपम राजन (आई.ए.एस.)

अध्यक्ष

Anupam Rajan(I.A.S.)

Chairman

मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड

Madhya Pradesh Pollution Control Board

पर्यावरण परिसर, ई-5, अरेरा कॉलोनी, भोपाल-462016(म.प्र.)

Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016(M.P.)

फोन Tel : 0755-2463143, फैक्स Fax : 0755-2463742

Web : www.mppcb.nic.in, E-mail : Chairman-mppcb@mp.gov.in

D.O.No. 1453

Date: 28-7-18

विषय :- ठोस अपशिष्ट प्रबंधन नियम, 2016 तथा निर्माण एवं विध्वंश अपशिष्ट प्रबंधन नियम, 2016 के अन्तर्गत वार्षिक प्रतिवेदन उपलब्ध कराने बाबत।

भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय द्वारा अधिसूचित उपरोक्त विषयांकित नियमों में प्रदत्त विभिन्न प्रावधानों के परिपालन में नगरीय प्रशासन एवं विकास विभाग एवं स्थानीय नगरीय निकायों की अहम भूमिका है। नियमों के विभिन्न प्रावधानों के संबंध में बोर्ड द्वारा समय-समय पर अनेक पत्र प्रेषित किये जाते रहे हैं। पूर्व में लिखे गये कुछ पत्रों की छायाप्रतियाँ सुलभ संदर्भ हेतु संलग्न हैं (संलग्नक-1)।

उल्लेखनीय है कि नगरीय प्रशासन विभाग द्वारा प्रत्येक वर्ष 30 जून तक प्रदेश में नगरीय क्षेत्रों में उत्पन्न निर्माण तथा विध्वंश अपशिष्टों के प्रबंधन तथा नगरीय ठोस अपशिष्ट प्रबंधन के संबंध में प्रत्येक नगरीय निकाय में अपशिष्टों के प्रबंधन की जानकारी संकलित कर निर्धारित प्रपत्रों में वार्षिक प्रतिवेदन म.प्र.प्रदूषण नियंत्रण बोर्ड को उपलब्ध कराया जाना है। बोर्ड द्वारा यह प्रतिवेदन अपने अभिमत/सुझाव के साथ केन्द्रीय प्रदूषण नियंत्रण बोर्ड दिल्ली तथा राज्य शासन को 31 जुलाई तक प्रेषित किये जाने का प्रावधान है।

बोर्ड के क्षेत्रीय कार्यालयों द्वारा उनके कार्यक्षेत्र में स्थित नगरीय निकायों से निरंतर सम्पर्क रखने तथा स्मरण कराये जाने के उपरान्त भी उन्हें वार्षिक प्रतिवेदन की जानकारी प्राप्त नहीं हो रही है, जिसके परिणाम स्वरूप मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड मुख्यालय को भी जानकारी अप्राप्त है।

अतएव अनुरोध है कि प्रदेश के सभी नगरीय निकायों को तत्काल आवश्यक निर्देश प्रसारित करने का कष्ट करें, ताकि वार्षिक प्रतिवेदन से संबंधित वांछित जानकारी निर्धारित प्रपत्र में क्षेत्रीय कार्यालयों को प्राप्त हो सके एवं इसे संकलित कर केन्द्रीय प्रदूषण नियंत्रण बोर्ड दिल्ली को समय-सीमा में प्रेषित किया जा सके।

संलग्न :- उपरोक्तानुसार

(अनुपम राजन)

अध्यक्ष

श्री मुलशन बामरा,

आयुक्त,

नगरीय प्रशासन एवं विकास विभाग,


भोपाल

D.No.-1454

Date-28-7-18

प्रतिलिपि :-

1. प्रमुख सचिव, म.प्र. शासन, नगरीय प्रशासन एवं विकास विभाग, भोपाल की ओर सूचनार्थ।
2. क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, म.प्र. प्रदूषण नियंत्रण बोर्ड, भोपाल/ इन्दौर/ धार/ पीथमपुर/ एसईजेड पीथमपुर/ उज्जैन/ देवास/ जबलपुर/ कटनी/ छिन्दवाड़ा/ सागर/ ग्वालियर/ गुना/ रीवा/ सतना/ सिंगरौली/ शहडोल की ओर सूचनार्थ।  
कृपया जानकारी समय-सीमा में प्रेषित करने हेतु स्थानीय नगरीय निकायों से समन्वय कर कार्यवाही करें।

olc   
(अनुपम राजन)  
अध्यक्ष



**मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड**  
**पर्यावरण परिसर, ई-5 सेक्टर, अरेरा कॉलोनी, भोपाल-462016**

दूरभाष 07552464428, 2466191 फैक्स नं. 07552463742 वेबसाईट www.mppcb.nic.in

क्रमांक 186 / तक/ मुप्रनिबो/2018,  
 प्रति,

भोपाल, दिनांक

04 MAY 2018

आयुक्त,  
 संचालनालय,  
 नगरीय प्रशासन एवं विकास विभाग,  
 भोपाल।

**विषय :-** ठोस अपशिष्ट प्रबंधन नियम, 2016 के अन्तर्गत फार्म-IV में वार्षिक प्रतिवेदन प्रस्तुत करने बावत्।

**संदर्भ :-** बोर्ड का पत्र क्रमांक 04 दिनांक 03/04/2017

महोदय,

कृपया उपरोक्त संदर्भित पत्र का अवलोकन करने का कष्ट करें, सुलभ संदर्भ हेतु छायाप्रति संलग्न है। उल्लेखनीय है कि भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय द्वारा भारत के राजपत्र में 'ठोस अपशिष्ट प्रबंधन नियम, 2016' प्रकाशित किये गये हैं जो कि दिनांक 08/04/2016 से प्रभावशील हैं।

इस अधिनियम के तहत नगरीय निकायों को बोर्ड से प्राधिकार लेना है तथा जहाँ घरेलू ठोस अपशिष्ट का डिस्पोजल करना है वहाँ स्थल हेतु यदि पर्यावरण स्वीकृति के दायरे में आता है तो पर्यावरणीय स्वीकृति प्राप्त करना होगी। अधिनियम के अन्तर्गत घरेलू कचरा संग्रहण, पृथक्करण, परिवहन, प्रोसेसिंग एवं डिस्पोजल आदि हेतु जो एजेन्सी जिम्मेदार है, जिसके द्वारा कार्य करना है, को भी बोर्ड से प्राधिकार प्राप्त करना होगा।

उपरोक्त नियमों का पालन सुनिश्चित करते हुए नियम 24(2) के अनुसार प्रत्येक नगरीय निकाय को 30 जून तक निर्धारित प्रपत्र फार्म-IV (संलग्न) में वार्षिक प्रतिवेदन क्षेत्रीय कार्यालय, म.प्र. प्रदूषण नियंत्रण बोर्ड को प्रस्तुत करना है। कृपया तदनुसार प्रदेश के सभी नगरीय निकायों को वार्षिक प्रतिवेदन प्रस्तुत करने हेतु निर्देशित करने का कष्ट करें।

**संलग्न :-** वार्षिक प्रतिवेदन का फार्म-IV

(ए.ए. मिश्रा)  
 सदस्य सचिव

पृ.क्रमांक 187 / तक/ मुप्रनिबो/2018,  
 प्रतिलिपि :-

भोपाल, दिनांक

04 MAY 2018

क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, म.प्र. प्रदूषण नियंत्रण बोर्ड, भोपाल/  
 इन्दौर/ धार/ पीथमपुर/ एसईजेड पीथमपुर/ उज्जैन/ देवास/ जबलपुर/  
 कटनी/ छिन्दवाड़ा/ सागर/ ग्वालियर/ गुना/ रीवा/ सतना/ सिंगरौली/  
 शहडोल की ओर सूचनार्थ।

कृपया जानकारी समय-सीमा में प्रेषित करने हेतु आपके कार्यक्षेत्र में स्थित नगरीय निकायों से समन्वय कर कार्यवाही करें।

(ए.ए. मिश्रा)  
 सदस्य सचिव

0/c

## 6. STEPS FORWARD - FUTURE ACTION PLAN AND TIMELINES

The following table provides status as well as timelines for each of the clusters.

Sr.No	Name of Cluster	No. of ULBs	Est. Waste Generation (TPD)	Type of Processing	Status	Timeline
1	Katni	5	95	Compost	Fully Operational	Since December 2017
2	Sagar	11	185	Compost	Under Implementation	Environmental Clearance received. To be operational by July 2018
3	Jabalpur City	1	400	Energy	Commissioned	Since December 2016
4	Ujjain Town	1	160	Compost	Fully Operational	Since 2015
5	Bhopal	8	1,060	Energy	Under Implementation	To be operational by December 2019
6	Rewa	28	340	Energy	Under Implementation	To be operational by October 2019
7	Indore	8	1,010	Energy	Under Implementation	To be operational by December 2019
8	Gwalior	16	606	Energy	Under Implementation	To be operational by October 2019
9	Dewas	24	245	Compost	LOI to be issued	To be operational by October 2019
10	Hoshangabad	14	165	Compost	LOI to be issued	To be operational by October 2019
11	Balaghat	13	110	Compost	Live Tender	To be operational by October 2019
12	Barwani	22	189	Compost	Live Tender	To be operational by October 2019
13	Betul	8	83	Compost	Live Tender	To be operational by October 2019
14	Bhind	14	156	Compost	Live Tender	To be operational by October 2019
15	Khandwa	10	175	Compost	Live Tender	To be operational by October 2019
16	Chhatarpur	33	212	Compost	Live Tender	To be operational by October 2019

Action Plan and Current Status of MSW in Madhya Pradesh

17	Chhindwara	20	167	Compost	Live Tender	To be operational by October 2019
18	Damoh	7	75	Compost	Live Tender	To be operational by October 2019
19	Guna	10	151	Compost	Live Tender	To be operational by October 2019
20	Jabalpur Cluster	15	108	Compost	Live Tender	To be operational by October 2019
21	Neemuch	19	103	Compost	Live Tender	To be operational by October 2019
22	Ratlam	22	308	Energy / Fuel	Live Tender	To be operational by October 2019
23	Shahdol	16	120	Compost	Live Tender	To be operational by October 2019
24	Shajapur	26	165	Compost	Live Tender	To be operational by October 2019
25	Shivpuri	11	124	Compost	Live Tender	To be operational by October 2019
26	Singrauli	1	91	Compost	Live Tender	To be operational by October 2019
27	Vidisha	15	167	Compost	Live Tender	To be operational by October 2019
<b>Total</b>	<b>378</b>	<b>6,770</b>				

## Annexure – VII

### SOLID WASTE PROCESSING FACILITIES SETUP

#### (A) Composting Plant

S. No .	Regional office (No. of town)	Name of Town	MSW being used in Composting TPD	Installed Capacity of Compost plant TPD	Compost being produced TPD
1	<b>Bhopal (18)</b>	Bhopal	220	220	220
		Ganjbasoda	02	02	02
		Bairasia(Bhopal)	03	03	03
		Sehore	25	25	25
		Obedullaganj	03	03	03
		Sarani ( Betul)	03	03	03
		Aathner (Betul)	01	01	01
		Gairatganj (Raisen)	01	01	01
		Kothari (Sehore)	01	01	01
		Multai (Betul)	05	05	05
		Udaypura(Raisen)	01	01	01
		Shahganj (Sehore)	01	01	01
		Rehati (Sehore)	01	01	01
		Timarani (Harda)	01	01	01
		Budhni (Sehore)	01	01	01
		Begamganj	03	03	03
		Lateri (Vidisha)	04	04	04
		Seoni-Malwa	02	02	02
	<b>Dewas</b>	Dewas	20	20	12
	<b>Dhar (3)</b>	Rajgarh	0.5	0.5	0.25
		Badnawar	0.5	0.5	0.25
		Dhar	3	4	1.5
	<b>Indore (4)</b>	Indore	600	600	130
		Maheshwar	2	2	0.25
		Khandwa	5	5	0.60
		Khargone	25	25	2
	<b>Pithampur</b>	Pithampur	25	1760	14
	<b>Rewa</b>	Rewa	50	2x45	45
	<b>Sagar</b>	Sagar CB	10	20	6
	<b>Singrauli (1)</b>	Singrauli	25	2x35 (One Plant is in stand by)	20
	<b>Ujjain</b>	Ujjain	158	225	100
	<b>Total</b>		<b>1202</b>	<b>3100</b>	<b>609.85</b>



**(B) Vermi – Composting Plant**

<b>S. No.</b>	<b>Regional office</b>	<b>Name of Towns</b>	<b>MSW being used in Vermi - Composting TPD</b>	<b>Installed Capacity of Vermi - Compost plant TPD</b>	<b>Vermi - Compost being produced TPD</b>
1.	<b>Bhopal 12</b>	Bairasia(Bhopal)	02	02	02
		Obedullaganj	02	02	02
		Sarani ( Betul)	02	02	02
		Itarsi	10	10	10
		Begamganj	02	02	02
		Budhni (Sehore)	01	01	01
		Timarani (Harda)	01	01	01
		Rehati (Sehore)	01	01	01
		Udaypura(Raisen)	01	01	01
		Kothari (Sehore)	01	01	01
		Shahganj (Sehore)	01	01	01
		Seoni-Malwa	02	02	02
2	<b>Sagar</b>	Chhatarpur	18	20	12
3	<b>Satna</b>	Satna	24	24	20
4	<b>Ujjain</b>	Sailana	0.5	1	0.5
		<b>Total</b>	<b>68.5</b>	<b>71</b>	<b>58.5</b>

**(C) Bio Gas/RDF/ Energy / MRF (TPD)**

<b>S. No.</b>	<b>Regional office</b>	<b>Name of Towns</b>	<b>Quantity of MSW being utilized for Bio Gas/RDF/ Energy/MRF (TPD)</b>	<b>Installed Capacity of Bio Gas / RDF/ Energy plant /MRF(TPD)</b>	<b>Production of Bio Gas/RDF/ Energy /MRF (TPD)</b>
1	Bhopal	Bhopal	Bio Gas - 15	Bio Gas - 15	Bio Gas - 15
2	Indore	Indore	MRF - 500	MRF - 500	MRF - 500
3	Ujjain	Ujjain	RDF - 25	RDF - 25	RDF – 25
4	Jabalpur	Jabalpur	462	600	Electricity Generation - 42757350 kwh

**Annexure - VIII**

<b>Disposal of Solid Waste in Land Fills (Number/Names of towns/capacity)</b>							
<b>S.no</b>	<b>Regional Office</b>	<b>Identified</b>	<b>Constructed</b>	<b>Under construction</b>	<b>Operational</b>	<b>Exhausted</b>	<b>Capped</b>
1	<b>Bhopal</b>	25	0	1	0	1	0
2	<b>Chhindwara</b>	13	0	0	0	0	0
3	<b>Dewas</b>	20	0	0	0	0	0
4	<b>Dhar</b>	0	0	0	0	0	0
5	<b>Guna</b>	20	0	7	0	0	0
6	<b>Gwalior</b>	30	1	7	0	0	0
7	<b>Indore</b>	33	1	0	1	0	0
8	<b>Jabalpur</b>	1	1	0	1	0	1
9	<b>Katni</b>	0	0	0	0	0	0
10	<b>Pithampur</b>	1	0	0	0	0	0
11	<b>Rewa</b>	0	0	0	0	0	0
12	<b>Sagar</b>	36	0	1	0	0	0
13	<b>Satna</b>	12	0	0	0	0	0
14	<b>Shahdol</b>	18	0	0	0	0	0
15	<b>Singaurola</b>	1	0	0	0	0	0
16	<b>Ujjain</b>	46	0	0	4	0	1
	<b>Total</b>	<b>256</b>	<b>3</b>	<b>16</b>	<b>6</b>	<b>1</b>	<b>2</b>

### Name of Towns & Status of Land Fill Sites

S. No.	Regional Office	No. & name of Land Fill Sites identified	No. & name of Land Fill Sites Constructed	No. & name of Land Fill Sites under construction	No. & name of Land Fill Sites in operation	No. & name of Land Fill Sites exhausted	No. & name of Land Fill Sites Capped
1	<b>Bhopal</b>	Bhopal	Nil	Bhopal	Nil	Bhopal (Bhanpur Khanti)	Nil
2		Ganjbasoda					
3		Bairasia					
4		Sehore					
5		Obedullaganj					
6		Sarani					
7		Aathner					
8		Gairatganj					
9		Kothari					
10		Multai					
11		Udayapura					
12		Shahganj					
13		Rehati					
14		Timarni					
15		Budhni					
16		Begamganj					
17		Lateri					
18		Seoni Malwa					
19		Itarsi					
20		Betul					
21		Silwani					
22		Multai					
23		Betul Bazar					
24		Sultanpur					
25		Bareli					
1	<b>Chhindwara</b>	Chhindwara	Nil	Nil	Nil	Nil	Nil
2		Amarwara					
3		Badkuhi					
4		Bichhua					
5		Chand					
6		Chandameta					
7		Chourai					

8		Damua					
9		Jamai					
10		Mohgaon					
11		Neuton Chikhali					
12		Pandhurna					
13		Sousar					
1	<b>Dewas</b>	Dewas	Nil	Nil	Nil	Nil	Nil
2		Sonkachha					
3		Bhonrasa					
4		Bagli					
5		Khategaon					
6		Kannod					
7		Kantaphod					
8		Karnawad					
9		Loharda					
10		Hatpiplya					
11		Satwas					
12		Tonkkhurd					
13		Pipalrawan					
14		Shajapur					
15		Shujalpur					
16		Akodiya					
17		Pankhedi/ Kalapipal					
18		Makshi					
19		Nemawar					
20		Polaikala					
1	<b>Dhar</b>	Nil	Nil	Nil	Nil	Nil	Nil
1	<b>Guna</b>	Guna	Nil	Biaora	Nil	Nil	Nil
2		Raghogarh		Guna			
3		Aron		Shivpuri			
4		Kumbhraj		Narshinggarh			
5		Shivpuri		Ashoknagar			

6		Kolaras		Mungaoli			
7		Badarbas		Pachor			
8		Narwar					
9		Pichore					
10		Karera					
11		Ashoknagar					
12		Chanderi					
13		Ishagarh					
14		Mungaoli					
15		Rajgarh					
16		Biaora					
17		Sarangpur					
18		Khilchipur					
19		Pachor					
20		Narsinghgarh					
1	<b>Gwalior</b>	Gwalior	Gwalior	Dabra	Nil	Nil	Nil
2		Dabra		Lahar			
3		Pichhore		Gormi			
4		Bhitarwar		Mihona			
5		Antri		Joura			
6		Billoua		Kailaras			
7		Bhind		Bhander			
8		Gohad					
9		Alampur					
10		Phoofkalan					
11		Akoda					
12		Lahar					
13		Gormi					
14		Mou					
15		Mihona					
16		Morena					
17		Joura					
18		Kailaras					
19		Sabalgarh					
20		Banmore					
21		Ambah					
22		Porsa					
23		Jhundpura					
24		Datia					
25		Sevadha					
26		Indergarh					
27		Badoni					
28		Seopur					
29		Baroda					
30		Vijapur					

1	<b>Indore</b>	Indore	Indore	Nil	Indore	Nil	Nil
2		Betma					
3		Mhow					
4		Depalpur					
5		Sanwer					
6		Rao					
7		Manpur					
8		Hatod					
9		Mhow Gaon					
10		Gaotampura					
11		Barwani					
12		Sendhwa					
13		Anjad,					
14		Rajpur					
15		Pansemal					
16		Khetia					
17		Khargone					
18		Barwaha					
19		Bhikan Gaon,					
20		Maheshwer					
21		Sanawad					
22		Kasarawad,					
23		Mandaleshwer					
24		Khandwa					
25		Omkareshwer					
26		Pandhana					
27		Mundi					
28		Burhanpur					
29		Nepa Nagar					
30		Shahpur,					
31		Karhi,					
32		Palsood					
33		Chanera harsood					
1	<b>Jabalpur</b>	Jabalpur	Jabalpur	Nil	Jabalpur	Nil	Jabalpur (One Cell Capped and re-open)
1	<b>Katni</b>	Nil	Nil	Nil	Nil	Nil	Nil
1	<b>Pithampur</b>	Pithampur	Nil	Nil	Nil	Nil	Nil
1	<b>Rewa</b>	Nil	Nil	Nil	Nil	Nil	Nil
1	<b>Sagar</b>	Sagar	Nil	Sagar	Nil	Nil	Nil
2		Deori					
3		Garhakota					
4		Khurai					
5		Rahli					

6		Bina-Itawa					
7		Banda-Belai					
8		Rahatgarh					
9		Shahgarh					
10		Shahpur					
11		Cantonment Board, Sagar					
12		Chhatarpur					
13		Nowgong					
14		Harpalpur					
15		Lavkushnagar					
16		Badamalehra					
17		Barigarh					
18		Chandla					
19		Hata					
20		Patharia					
21		Tendukheda					
22		Parisad, Panna					
23		Amanganj					
24		Devendranagar					
25		Lidhorakhas					
26		Orchha					
27		Jatara					
28		Kari					
29		Niwadi					
30		Palera					
31		Prithvipur					
32		Khargapur					
33		Taricharkala					
34		Kakarhati					
35		Badagaong					
36		Baldeogarh					
1	<b>Satna</b>	Satna	Nil	Nil	Nil	Nil	Nil
2		Maihar					
3		Unchehra					
4		Amarpatan					
5		Rampur baghelan					
6		Kota					
7		Kothi					
8		Jaitwara					
9		Birsinghpur					
10		Chitrakoot					
11		Nagod					
12		Ram Nagar					

1	<b>Shahdol</b>	Nowrozabad	Nil	Nil	Nil	Nil	Nil
2		Pali					
3		Chandia					
4		Bansagar					
5		Jaisingnagar					
6		Shahdol					
7		Dindori					
8		Budhar					
9		Dhanpuri					
10		Beuhari					
11		Anuppur					
12		Passan					
13		Jaithari					
14		Shahpura					
15		Bijuri					
16		Amarkantak					
17		Kotma					
18		Umaria					
1	<b>Singrauli</b>	Singrauli	Nil	Nil	Nil	Nil	Nil
1	<b>Ujjain</b>	Ujjain	Nil	Nil	Ujjain	Nil	Nagda
2		Ratlam			Sailana		
3		Jaora			Nagda		
4		Badnagar			Neemuch		
5		Nagda					
6		Khachrod					
7		Mahidpur					
8		Agar Malwa					
9		Mandsaur					
10		Neemuch					
11		Sailana					
12		Unhel					
13		Tarana					
14		Namli					
15		Malhargarh					
16		Garoth					
17		Narayangarh					
18		PipliyaMandi					
19		Shamgarh					
20		Jawad					
21		Diken					
22		Ratangarh					
23		Manasa					
24		Singoli					
25		Rampura					



26		Bhanpura					
27		Sitamau					
28		Tal					
29		Alot					
30		Barawada					
31		Nulkheda					
32		Soyatkala					
33		Barod					
34		Kanad					
35		Susner					
36		Jiran					
37		Nagari					
38		Ratangarh					
39		Piploda					
40		Makdon					
41		Suwasra					
42		Nayagoan					
43		Sarwania Maharaj					
44		Kukdeshwar					
45		Baragoan					
46		Dhamnod					

## Annexure - IX

### Solid Waste Dump Sites (Name of Town)

S. No	Regional Office	Name of existing dump site	Name of Dump site reclaimed / capped	Name of Dumpsites converted to sanitary landfill
1	<b>Bhopal (47)</b>	Nagar Parishad, Sultanpur, District- Raisen	Nil	Nil
2		Nagar Parishad, Silwani, Disctrict – Raisen		
3		Nagar Parishad, Sanchi, Disctrict – Raisen		
4		Nagar Parishad, Begamganj, District – Raisen		
5		Nagar Palika Raisen, District – Raisen		
6		Nagar Palika Mandideep, District – Raisen		
7		Nagar Parishad Bareli, District – Raisen		
8		Nagar Parishad Badi, District – Raisen		
9		Nagar Parishad, Obedullaganj, District- Raisen		
10		Nagar Parishad, Udaypura, District - Raisen		
11		Nagar Parishad, Gairatgang, District – Raisen		
12		Nagar Palika, Ganjbasoda District – Vidisha		
13		Nagar Palika, Sironj District – Vidisha		
14		Nagar Parishad, Kurwai District – Vidisha		

15		Nagar Parishad, Shamshabad District – Vidisha		
16		Nagar Parishad, Lateri District – Vidisha		
17		Nagar Palika, Vidisha District – Vidisha		
18		Nagar Palika, Hoshangabad District – Hoshangabad		
19		Nagar Palika Itarsi District – Hoshangabad		
20		Nagar Parishad Pipariya District – Hoshangabad		
21		Nagar Parishad Babai District – Hoshangabad		
22		Nagar Parishad Sohagpur District – Hoshangabad		
23		Cantonment Board Pachmarhi District- Hoshangabad		
24		Nagar Palika Seoni-Malwa District – Hoshangabad		
25		Nagar Palika Nigam, Bhopal		
26		Nagar Palika Berasiya District - Bhopal		
27		Nagar Palika, Betul District – Betul		
28		Nagar Palika Amla District – Betul		
29		Nagar Palika Sarni, District – Betul		
30		Nagar Palika, Multai District – Betul		
31		Nagar Parishad, Bhensdehi District – Betul		
32		Nagar Parishad, Betul Bazar District – Betul		
33		Nagar Parishad, Chicholi District – Betul		

34		Nagar Parishad, Athner District – Betul		
35		Nagar Palika, Sehore District – Sehore		
36		Nagar Palika, Aashta District – Sehore		
37		Nagar Parishad, Budhni District – Sehore		
38		Nagar Parishad, Kothri District- Sehore		
39		Nagar Parishad, Jawar District- Sehore		
40		Nagar Parishad, Ichhawar District- Sehore		
41		Nagar Parishad, Rehti District- Sehore		
42		Nagar Parishad, Nasrullaganj District- Sehore		
43		Nagar Parishad, Shahganj District- Sehore		
44		Nagar Palika Harda District – Harda		
45		Nagar Parishad, Khirkiya District- Harda		
46		Nagar Parishad, Timarni District- Harda		
47		Nagar Parishad, Bankhed, Hoshangabad		
1	<b>Chhindwara (17)</b>	Nagar Palik Nigam, Chhhinwara	Nil	Nil
2		Nagar Palika Parisad, Amarwara		
3		Nagar Palika Parisad, Badkuhi		
4		Nagar Palika Parisad, Bichhua		
5		Nagar Palika Parisad, Chand		
6		Nagar Palika Parisad, Chandameta		
7		Nagar Palika Parisad, Chourai		
8		Nagar Palika Parisad, Damua		
9		Nagar Palika Parisad, Dongar Parasia		

10		Nagar Palika Parisad, Harri		
11		Nagar Palika Parisad, Jamai		
12		Nagar Palika Parisad, Lodikheda		
13		Nagar Palika Parisad, Mohgaon		
14		Nagar Palika Parisad, Neuton Chikhali		
15		Nagar Palika Parisad, Pandhurna		
16		Nagar Palika Parisad, Narayan Pipliwar		
17		Nagar Palika Parisad, Sousar		
1	<b>Dewas (20)</b>	Nagar Palik Nigam, Dewas	Nil	Nil
2		Nagar Parisad Sonkachha		
3		Nagar Parisad Bhonrasa		
4		Nagar Parisad Bagli		
5		Nagar Parisad Khategaon		
6		Nagar Parisad Kannod		
7		Nagar Parisad Kantaphod		
8		Nagar Parisad Karnawad		
9		Nagar Parisad Loharda		
10		Nagar Parisad Hatpiplya		
11		Nagar Parisad Satwas		
12		Nagar Parisad Tonkkhurd		
13		Nagar Parisad Pipalrawan		

14		Nagar Palika Parishad Shajapur		
15		Nagar Palika Parishad Shujalpur		
16		Nagar Parisad Akodiya		
17		Nagar Parisad Pankhed/ Kalapipal		
18		Nagar Parisad Makshi		
19		Nagar Parisad Nemawar		
20		Nagar Parisad Polaikala		
1	<b>Dhar</b>  <b>(18)</b>	Nagar Palika Parishad, Dhar	Nil	Nil
2		Nagar Parishad, Sardarpur		
3		Nagar Parishad, Rajgarh		
4		Nagar Palika Parishad, Manawar		
5		Nagar Parishad, Dharampur		
6		Nagar Parishad, Dhanmod		
7		Nagar Parishad, Mandu		
8		Nagar Palika Parishad Kukshi		
9		Nagar Parishad Badnawar		
10		Nagar Parishad, Dahi		
11		Nagar Parishad, Ranapur		
12		Nagar Parishad, Thandla		
13		Nagar Parishad Petlawad		
14		Nagar Palika Parishad, Jhabua		
15		Nagar Parishad Meghnagar		
16		Nagar Parishad, Jobat		

17		Nagar Parishad, Bhabhra		
18		Nagar Palika Parishad, Alirajpur		
1	<b>Guna (32)</b>	Guna	Nil	Nil
2		Raghogarh		
3		Aron		
4		Kumbhraj		
5		Shivpuri		
6		Kolaras		
7		Badarbas		
8		Narwar		
9		Pichore		
10		Karera		
11		Ashoknagar		
12		Chanderi		
13		Ishagarh		
14		Mungaoli		
15		Rajgarh		
16		Biaora		
17		Sarangpur		
18		Khilchipur		
19		Pachor		
20		Narsingharh		
21		Khaniyadhana		
22		Chachora		

23		Bairad		
24		Shadora		
25		Jirapur		
26		Machalpur		
27		Boda		
28		Talen		
29		Suthaliya		
30		Khujner		
31		Chhapiheda		
32		Kurawar		
1	<b>Gwalior (34)</b>	Gwalior	Nil	Nil
2		Dabra		
3		Pichhore		
4		Bhitarwar		
5		Antri		
6		Billoua		
7		Bhind		
8		Gohad		
9		Alampur		
10		Phoof		
11		Akoda		
12		Lahar		
13		Gormi		
14		Mou		



15		Mihona		
16		Morena		
17		Joura		
18		Kailaras		
19		Sabalgarh		
20		Banmore		
21		Ambah		
22		Porsa		
23		Jhundpura		
24		Datia		
25		Sevadha		
26		Indergarh		
27		Badoni		
28		Seopur		
29		Baroda		
30		Vijaipur		
31		Mehgaon		
32		Daboh		
33		Bhander		
34		Cantonment Board Morar		
1	<b>Indore</b>  <b>32</b>	Nagar Parisad, Betma, Indore	Nil	Nil
2		Nagar Parisad, Palsood,, Barwani		
3		Nagar Parisad, Chanera harsood, Khandwa		
4		Nagar Parisad, depalpur, Indore		

5		Nagar Parisad, Sanwer, Indore		
6		Nagar Parisad, Rao, Indore		
7		Nagar Parisad, Manpur, Indore		
8		Nagar Parisad, Hatod, Indore		
9		Nagar Parisad, Mhow Gaon, Indore		
10		Nagar Parisad, Gaotampura, Indore		
11		Nagar Palik Parishad, Barwani		
12		Nagar Palik Parishad, Sendhwa, Barwani		
13		Nagar Parisad, Anjad, Barwani		
14		Nagar Parisad, Rajpur, Barwani		
15		Nagar Parisad, Pansemal, Barwani		
16		Nagar Parisad, Khetia, Barwani		
17		Nagar Palik Parishad, Khargone		
18		Nagar Palik Parishad, Barwaha, Khargone		
19		Nagar Parisad, Bhikan Gaon, Khargone		
20		Nagar Parisad, Maheshwer, Khargone		
21		Nagar Parisad, Sanawad, Khargone		
22		Nagar Parisad, Kasarawad, Khargone		
23		Nagar Parisad, Mandaleshwer, Khargone		
24		Nagar Nigam, Khandwa		
25		Nagar Parisad, Omkareshwer, Khandwa		
26		Nagar Parisad, Pandhana, Khandwa		
27		Nagar Parisad, Mundi, Khandwa		
28		Nagar Nigam, Burhanpur		

29		Nagar Palik Parishad, Nepa Nagar		
30		Nagar Parisad, Shahpur, Burhanpur		
31		Nagar Parisad, Karhi, Khargone		
32		Cantonment Board, Mhow, Indore		
1	<b>Jabalpur (31)</b>	Nagar Palika Parishad Panagar	Nil	Nil
2		Nagar Palika Parishad Sihora		
3		Nagar Parishad Majholi		
4		Nagar Parishad Patan		
5		Nagar Parishad, Barela		
6		Nagar Parishad, Katangi		
7		Nagar Parishad, Sehpura Bhitoni		
8		Nagar Parishad Bhedaghat		
9		Nagar Parishad Niwas		
10		Nagar Palika Parishad Seoni		
11		Nagar Parishad Lakhnadaun		
12		Nagar Palika Parishad Barghat		
13		Nagar Palika Parishad Narsinghpur		
14		Nagar Parishad Gotegaon		
15		Nagar Palika Parishad Gadarwara		
16		Nagar Palika Parishad Kareli		
17		Nagar Parishad Tendukheda		
18		Nagar Parishad Saikheda		
19		Nagar Parishad Chichli		
20		Nagar Parishad Salichouka		

21		Nagar Palika Parishad Balaghat		
22		Nagar Palika Parishad Waraseoni		
23		Nagar Parishad Katangi		
24		Nagar Palika Parishad Malanjkhanda		
25		Nagar Parishad Baihar		
26		Nagar Parishad Lanji		
27		Nagar Palika Parishad Mandla		
28		Nagar Palika Parishad Nainpur		
29		Nagar Parishad Bamhnibanjara		
30		Nagar Parishad Bichhiya		
31		Cantonment Board, Sadar		
1	<b>Katni</b>  <b>(04)</b>	Barhi	Nil	Nil
2		Vijayraghavgarh		
3		Kymore		
4		Katni		
1	<b>Pithampur</b>  <b>(01)</b>	Pithampur	Nil	Nil
1	<b>Rewa</b>  <b>(16)</b>	Municipal council Chakghat Distt. Rewa	Nil	Nil
2		Municipal council Hanumana Distt. Rewa		
3		Municipal council Mauganj Distt. Rewa		
4		Municipal council Mangawa Distt. Rewa		
5		Municipal council Naigadhi Distt. Rewa		
6		Municipal council Sirmour Distt. Rewa		

7		Municipal council Semaria Distt. Rewa		
8		Municipal council Baikuntpur Distt. Rewa		
9		Municipal council Gurh Distt. Rewa		
10		Municipal council Govidgadh Distt. Rewa		
11		Municipal council Teiothr Distt. Rewa		
12		Municipality Sidhi		
13		Municipal council Raipur karchuliyan Distt. Sidhi		
14		Municipal council Churhat Distt. Sidhi		
15		Municipal council Maghuli Distt. Sidhi		
16		Nagar Nigam Rewa		
1	<b>Sagar</b>  (52)	Nagar Nigam, Sagar	Nil	Nil
2		Nagar Parisad, Deori		
3		Nagar Parisad, Garhakota		
4		Nagar Parisad, Khurai		
5		Nagar Parisad, Rahli		
6		Nagar Parisad, Bina-Itawa		
7		Nagar Parishad, Banda-Belai		
8		Nagar Parishad Rahatgarh		
9		Nagar Parishad Shahgarh		
10		Nagar Parishad, Shahpur		
11		Nagar Parishad, Makroniya		
12		Cantonment Board, Sagar		
13		Nagar Palika Parisad, Chhatarpur		

14		Nagar Parisad, Nowgong		
15		Nagar Parisad Ghuwara		
16		Nagar Parisad Bijawar		
17		Nagar Parisad Harpalpur		
18		Nagar Parisad Lavkushnagar		
19		Nagar Parisad Baxwaha		
20		Nagar Parisad Badamalehra		
21		Nagar Parishad, Garhimalehra		
22		Nagar Parishad, Mahrajpur		
23		Nagar Parishad, Barigarh		
24		Nagar Parisad Chandla		
25		Nagar Parisad Satai		
26		Nagar Parisad Khajuraho		
27		Nagar Parisad Rajnagar		
28		Nagar Palika Parisad, Damoh		
29		Nagar Parisad, Hata		
30		Nagar Parisad Hindoria		
31		Nagar Parisad Patharia		
32		Nagar Parisad Tendukheda		
33		Nagar Parishad, Patera		
34		Nagar Palika Parisad, Panna		
35		Nagar Parisad, Ajaygarh		
36		Nagar Parisad Amanganj		
37		Nagar Parisad Devendranagar		

38		Nagar Parisad Pawai		
39		Nagar Palika Parisad, Tikamgarh		
40		Nagar Parisad Lidhorakhas		
41		Nagar Parisad Orchha		
42		Nagar Parisad Jatara		
43		Nagar Parisad Kari		
44		Nagar Parisad, Niwadi		
45		Nagar Parisad, Palera		
46		Nagar Parisad, Prithvipur		
47		Nagar Parisad, Jeronkhalsa		
48		Nagar Parisad Khargapur		
49		Nagar Parisad Taricharkala		
50		Nagar Parishad, Kakarhati		
51		Nagar Parishad, Badagaong		
52		Nagar Parishad, Baldeogarh		
1	<b>Satna (12)</b>	Satna	Nil	Nil
2		Maihar		
3		Unchehra		
4		Amarpatan		
5		Rampur baghelan		
6		Kota		
7		Kothi		
8		Jaitwara		
9		Birsinghpur		

10		Chitrakoot		
11		Nagod		
12		Ram Nagar		
1	<b>Shahdol</b>  <b>(18)</b>	Nagar Palika/ parishad nawrozabad	Nil	Nil
2		Nagar Palika/ parishad pali		
3		Nagar Palika/ parishad chandia		
4		Nagar Palika/ parishad bansagar		
5		Nagar Palika/ parishad jaisingnagar		
6		Nagar Palika/ parishad shahdol		
7		Nagar Palika/ parishad dindori		
8		Nagar Palika/ parishad budhar		
9		Nagar Palika /parishad dhanpuri		
10		Nagar Palika/ parishad beuhari		
11		Nagar Palika/ parishad anuppur		
12		Nagar Palika/ parishad passan		
13		Nagar Palika/parishad jaithari		
14		Nagar Palika /parishad shahpura		
15		Nagar Palika /parishad bijuri		
16		Nagar Palika /parishad amarkantak		
17		Nagar Palika/ parishad kotma		
18		Nagar Palika/ parishad umaria		
1	<b>Singrauli</b>  <b>(01)</b>	Nagar Nigam Singrauli		
1				
1	<b>Ujjain</b>	Ratlam	Nagda	Ujjain



2	(42)	Jaora		Nagda
3		Sarwania Maharaj		Sailana
4		Barnagar		Neemuch
5		Kukdeshwar		
6		Khachrod		
7		Mahidpur		
8		Agar Malwa		
9		Mandsure		
10		Baragoan		
11		Dhamnod		
12		Unhel		
13		Tarana		
14		Namli		
15		Malhargarh		
16		Groth		
17		Narayangarh		
18		Pipliyamandi		
19		Shamgarh		
20		Jawad		
21		Diken		
22		Ratangarh		
23		Manasa		
24		Singoli		
25		Rampura		

26		Bhanpura		
27		Sitamau		
28		Tal		
29		Alot		
30		Barawada		
31		Nulkhera		
32		Soyatkala		
33		Barod		
34		Kanad		
35		Susner		
36		Jiran		
37		Nagri		
38		Ratangarh		
39		Piploda		
40		Makdon		
41		Suwasra		
42		Nayagoan		

## Monitoring at Waste processing/Landfills sites

S.No.	Regional Office	Name of Sites/Facilities	Ambient Air (No. of Samples)	Ground water (No. of Samples)
1.	Bhopal	Badi	-	01
2.		Vidisha	01	01
3.		Ganjbasoda	-	01
4.		Sironj	-	01
5.		Kurwai	-	01
6.		Lateri	-	01
7.		Hoshangabad	01	05
8.		Seoni Malwa	-	02
9.		Itarsi	-	01
10.		Pipariya	-	01
11.		Babai	-	01
12.		Sohagpur	-	01
13.		Betul	01	03
14.		Amla	-	02
15.		Sarni,	-	01
16.		Bhensdehi	01	02
17.		Chichouli	-	01
18.		Multai	-	01
19.		Betul Bazar	01	01
20.		Athner	01	02
21.		Bhanpur	01	01
22.		Berasiya	-	01
23.		Sehore	-	01
24.		Aashta	01	02
25.		Budhni	01	01
26.		Jawar	-	01
27.		Ichhawar	-	01
28.		Rehti	-	01
29.		Nasrullaganj	-	01
30.		Kothri	-	01
31.		Shahganj	01	02
32.		Harda	-	03
33.		Khirkiya	-	02
34.		Timarni	-	02
35.		Pachmarhi	-	01
36.		Raisen	-	01
37.		Amarwara	1	1
38.		Badkuhi	1	1

39.	<b>Chhindwara</b>	Bichua	1	1
40.		Chand	1	1
41.		Chandameta-Butaria	1	1
42.		Chaurai Khas	1	1
43.		Chhindwara	1	1
44.		Damua	1	1
45.		Donger Parasia	1	1
46.		Harrai	1	1
47.		Junnardev Jamai	1	1
48.		Lodhikheda	1	1
49.		Mohgaon	1	1
50.		Neuton Chikhli Kalan	1	1
51.		Pandhurna	1	1
52.		Piplanarayannwar	1	1
53.		Sausar	1	1
54.	<b>Dhar</b>	Thandla	-	1
55.		Jhabua	1	-
56.		Dhar	2	-
57.	<b>Guna</b>	Biaora	-	2
58.		Chhapiheda	-	1
59.		Machalpur	-	1
60.		Rajgarh	-	2
61.		Badarwas	-	1
62.		Kolaras	-	1
63.		Shivpuri	-	1
64.		Aron	-	1
65.		Ashoknagar	-	2

66.		Chachaura-Binaganj	-	2
67.		Chanderi	-	2
68.		Guna	-	2
69.		Isagarh	-	2
70.		Kumbhraj	-	2
71.		Mungaoli	-	2
72.		Raghogarh-Vijaypur	-	1
73.		Shadora	-	2
74.	<b>Gwalior</b>	Antari	1	2
75.		Badoni	1	2
76.		Bhander	1	2
77.		Bhitarwar	2	-
78.		Bilaua	2	2
79.		Dabra	2	1
80.		Datia	2	3
81.		Gwalior	0	3
82.		Indergarh	2	3
83.		Pichhore	3	2
84.		Bamor	0	1
85.		Jhundpura	0	-
86.		Joura	2	3
87.		Kailras	1	1
88.		Morena	3	3
89.		Akoda	2	2
90.		Alampur	1	1
91.		Ambah	1	1

92.		Bhind	2	1
93.		Gohad	1	2
94.		Gormi	1	2
95.		Lahar	1	1
96.		Mau	1	1
97.		Mehgaon	2	2
98.		Mihona	-	1
99.		Phuphkalan	1	1
100.		Sewda	1	1
101.		Porsa	1	1
102.		Badoda	1	2
103.		Sheopur kalan	1	2
104.		Kedarpur	1	3
105.		Morar	1	-
106.	<b>Indore</b>	Indore	2	36
107.		Khandwa	-	1
108.		Bhurhanpur	-	2
109.		Khargon	1	1
110.		Badwani	-	1
111.		Badwah	-	1
112.	<b>Jabalpur</b>	Sihora	1	3
113.		Jabalpur CB	0	4
114.		Barela	0	4
115.		Bhedaghat	0	4
116.		Chichali	1	4
117.		Gadarwara	0	4

118.		Gotegaon	1	4
119.		Kareli	1	4
120.		Katangi	0	4
121.		Manjholi	0	4
122.		Narsinghpur	4	4
123.		Panagar	0	4
124.		Patan	0	4
125.		Saikheda	1	4
126.		Salichauka	0	4
127.		Shehpura Bhitoni	0	4
128.		Tendukheda	0	4
129.		Baihar	0	4
130.		Balaghat	5	4
131.		Bamhani Banjar	1	3
132.		Bichhiya	1	3
133.		Katangi	0	4
134.		Lanji	0	4
135.		Malajkhand	0	4
136.		Mandla	3	3
137.		Nainpur	1	3
138.		Niwas	0	3
139.		Waraseoni	0	4
140.		Barghat	0	3
141.		Lakhnadon	0	3
142.		Seoni	2	4
143.		Kathonda	3	4

144.	<b>Katni</b>	Barhi	4	3
145.		Katni(Murwara)	4	3
146.		Kymore	4	3
147.		Vijayraghavgarh	4	3
148.	<b>Satna</b>	satna	1	4
149.		Chitrakut	1	1
150.		Maihar	1	1
151.		Birsinghpur	1	1
152.		Jaitwara	1	1
153.	<b>Ujjain</b>	Ujjain	0	1
154.		Khachrodpop	0	1
155.		Nagda	0	1
156.		Unhel	0	1
157.		Bhanpura	0	1
158.		Jiran	0	1
159.		Ratlam	2	1
160.		Mandsaur	1	0
161.		Nagri	0	1
162.		Gondiya	2	0
163.	<b>Rewa</b>	Chakghat	4	4
164.		Baikunthpur	4	4
165.		Churhat	4	4
166.		Govindgarh	4	4
167.		Gurh	4	4
168.		Hanumana	4	4
169.		Majhauri	4	4



170.		Mangawan	4	4
171.		Mauganj	4	4
172.		Naigarhi	4	4
173.		Rampur Naikin	4	4
174.		Rewa	4	4
175.		Semaria	4	4
176.		Sidhi	4	4
177.		Sirmour	4	4
178.		Teonthar	4	4
179.	<b>Pithampur</b>	Pithampur	2	1
180.	<b>Sagar</b>	Panna	1	4
181.		Chhatarpur	2	4
182.		Damoh	2	4
183.		Tikamgarh	3	5
184.		Sagar	3	4
185.	<b>Shahdol</b>	Umariya	2	3
186.		Shahdol	3	3
187.		Anuppur	2	3
188.		Dindori	2	3
189.	<b>Singrauli</b>	Singrauli	8	4
190.	<b>Dewas</b>	Dewas	-	8
191.		Shajapur	-	3
<b>Total</b>			<b>219</b>	<b>452</b>