



H.P. STATE POLLUTION CONTROL BOARD,  
"HIM PARIVESH" PHASE-III, NEW SHIMLA-171 009 (H.P)  
Phone: 0177 2673766, 2673274 Fax: 0177 2673018

Registered Post

No. HPSPCB/CD/Annual Report /MSW/2018-19 15361-35

Dated: 22.7.2019

To

The Chairman,  
Central Pollution Control Board,  
Parivesh Bhawan, East Arjun Nagar,  
DELHI - 110 0032.

**Subject: - Annual Reports under Solid Waste Management Rules 2016 for the year 2018-19**

Sir,

This is with reference to the Rule-24 of Solid Waste Management Rules, 2016 w.r.t submission of Annual Reports by State Pollution Control Board to Central Pollution Control Board.

In compliance to SWM Rules, 2016 please find enclosed herewith the compiled Annual Reports under the provision of Solid Waste Management Rules 2016, for the year 2018-19 for your reference & further necessary action please.

Further, it is to inform that after the interference of Hon'ble NGT, w.r.t waste management, State of HP has taken various steps to improve the practices of Waste Management. The current brief status of Solid Waste Management is also enclosed for information please.

**Thanking You.**

Yours faithfully,

**Encl: Annual Reports**

- Solid Waste Management Rules 2016 (along with Annexures)
- Current Status Solid Waste Management.

(Aditya Negi, IAS)  
Member Secretary

de HP State Pollution Control Board

**Copy to:**

1. The Joint Secretary, & Mission Director SBM, Ministry of Housing and Urban Affairs, Nirwan Bhawan, New Delhi. 110011.
2. The Addl. Chief Secretary Env. (S&T), Govt. of HP for information Please.
3. The Principal Secretary, UD Govt. of HP for information please.
4. The Director, UD Talland for information and necessary action please.

(Aditya Negi, IAS)  
Member Secretary

de HP State Pollution Control Board


**Form -V**  
**(See rule 24 (3))**

**Format of Annual Review 2018-19 Report to be submitted by H.P.State Pollution Control Board  
to the Central Pollution Control Board.**

**Part A**

To

The Chairman,  
Central Pollution Control Board,  
(Ministry of Environment and Forests)  
Government of India,  
'PariveshBhawan' East Arjun Nagar,  
DELHI - 1100032.

1.	Name of the State/Union territory	Himachal Pradesh
2.	Name & Address of the State Pollution Control Board	H.P. State Pollution Control Board Him Parivesh, Phase-III, New Shimla, Shimla-171009, H.P.
3.	Number of municipal authorities responsible for management of Municipal Solid Wastes in the State /Union territory under these Rules	A. Municipal Corporation : 02 B. Municipal Council : 31 C. Nagar Panchayat : 21 D. Cantonment Board : 7
4	Number of authorization application received.	--
5.	A Summary Statement on progress made by municipal authorities in respect of solid waste management.	Please see Annexure-I
6.	A Summary Statement on progress made by municipal authority in respect of collection, segregation, transportation, and disposal	Please see Annexure-II
7.	A Summary Statement on progress made by municipal authorities in respect of implementation of Schedule II	Please see Annexure-III
Date :  Place: SHIMLA		 (Aditya Negi, IAS) Member Secretary HP State Pollution Control Board

**Part- B (2018-19) Solid Waste Management**  
**For Filling Annual Report on Municipal Solid Waste Management**

**Town/Cities**

(i)	Total Number of towns/cities	61
(ii)	Total No. of ULBs	54 ULBs and 7 Cantonment Boards
(iii)	Number of class I & class II cities/towns	Class-I—(1 Shimla)
(iv)	No. of ULBs/Cantonment Boards submitted Annual Report	61

**SOLID WASTE Generation Status**

Solid waste generation in the state (TPD)	389 TPD Approx.
Collected	340 TPD Approx.
Treated	150 TPD approx.
Landfilled	190 TPD Approx.

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

Good practices in cities/towns	Details given in Annexure-II
House-to-house collection	
Segregation	
Storage	
Covered transportation.	

Processing of Municipal Solid Waste:

Sl. NO.	Town/cities covered	Type of Plant	Method of processing
1.	Shimla Waste from Solan and Theog is being transported to Shimla	Proposed Waste to Energy Plant.	70-100 MT /day Wte not operational and Waste is converted to RDF and sent to Cement Industries.
2	Kangra	Pit Composting	waste is processed for composting
3	Manali/Bhuntar	Pit Composting	waste is processed for composting
4	Nahan	Pit Composting	waste is processed for composting
5	Hamirpur	Pit Composting	waste is processed for composting

Waste to Energy Plants

2 WtE Plants proposed in MC Shimla and MC Manali.

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

Landfill sites identified	3 (Shimla, Una and Kangra)
Landfill constructed	Nil
Landfill under construction	1 (Shimla)
Landfill in operation	Nil
Landfill exhausted	Nil
Landfilled capped	Nil

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

Total number of existing dumpsites	54 (Mehatpur, Rewalsar, Jogindernagar, Rajgarh, Nagrota, Bhunter, Nerchowk have no dumpsite and disposing their waste to nearby ULBs.)
Dumpsites reclaimed/capped	1 (Shimla)
Dumpsites converted to sanitary landfill	Nil

**Monitoring at Waste processing/Landfills sites**

Sl. No.	Name of facilities	Compost quality	Ambient air	Leachate quality	Groundwater																
1.	MC Hamirpur	<table border="1"> <thead> <tr> <th>Parameter</th> <th>Results</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>7.81</td> </tr> <tr> <td>Total Chromium</td> <td>39.0 mg/Kg</td> </tr> <tr> <td>Zinc</td> <td>150 mg/Kg</td> </tr> <tr> <td>Fe</td> <td>260 mg/Kg</td> </tr> <tr> <td>Lead</td> <td>ND</td> </tr> <tr> <td>Cu</td> <td>ND</td> </tr> <tr> <td>Ni</td> <td>ND</td> </tr> </tbody> </table>	Parameter	Results	pH	7.81	Total Chromium	39.0 mg/Kg	Zinc	150 mg/Kg	Fe	260 mg/Kg	Lead	ND	Cu	ND	Ni	ND	--	No Leachate treatment Plant	--
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**Status of Action Plan prepared by Municipalities:**

Total number of municipalities: 54

Number of individual Action Plan submitted 54

**ANNEXURE – I (2018-19)**

**A SUMMARY STATEMENT ON PROGRESS: MADE BY MUNICIPAL AUTHORITY IN RESPECT OF IMPLEMENTATION OF SOLID WASTE MANAGEMENT**

S. No.	Name of the Municipal Authority	Setting up of waste processing & disposal facilities	Identification of landfill sites for future use and making sanitary landfill site.	Proposal made to improve Solid Waste Management Practices and comments/remarks of ULB.
1.	MC Shimla	A new waste to energy plant having 100 Tonnes/day capacity is set up on Tara Devi bye Pass road. RDF section has been made functional.	Land available 19 bigha.	Action plan of solid waste has been prepared. Bio-gas plant of 1 MT waste has been installed.
2.	MC Rampur Bhushar.	There is no waste processing facility.	Land identified and transfer under process 1.5 bigha	Action plan of solid waste has been prepared.
3.	M.C Theog	There is no waste processing facility.	Land parcel identified under process 1 bigha.	Action plan of solid waste has been prepared.
4.	MC Rohroo	There is no waste processing facility.	Land identified under process 3.5 bigha.	Action plan of solid waste has been prepared.
5.	N.P. Narkanda	There is no waste processing facility.	Land parcel identified under process 1 bigha.	Action plan of solid waste has been prepared.
6.	N.P. Suni	There is no waste processing facility.	Land of kol dam colony used by MC.	Action plan of solid waste has been prepared.
7.	N.P. Chopal	There is no waste processing facility.	Land identified and transfer under process 1.5 biga.	Action plan of solid waste has been prepared.
8.	N.P. Kotkhai	There is no waste processing facility.	Land identified and transfer under process 1 biga	Action plan of solid waste has been prepared.
9.	N.P. Jubbal	Waste processed facility available.	Land not available.	Action plan of solid waste has been prepared.---
10.	M.C. Solan	Open dumping, recovery of recycle waste is started and waste is sent to Shimla.	Land parcel available.	Action plan of solid waste has been prepared.
11.	M.C. Nalagarh	There is no waste processing facility available.	Land parcel available.	Action plan of solid waste has been prepared.

12.	M.C. Parwanoo	Waste processing facility Recovering of dumped waste is started on.	Land parcel available.	Action plan of solid waste has been prepared.
13.	M.C. Baddi	Waste processing facilities is being setup..	Land parcel available 2 bigha.	Action plan of solid waste has been prepared.
14.	NP Arki	There is no waste processing facility.	Land parcel available 10 viswa.	Action plan of solid waste has been prepared.
15.	M.C. Nahan	Compositing faqcility available.	Land parcel identified 2.5 bigga.	Action plan of solid waste has been prepared.
16.	M.C. Paonta	There is no waste processing facility	Land parcel available 5 biga.	Action plan of solid waste has been prepared.
17.	N.P. Rajgarh	No facility exits.	Land parcel available.	Action plan of solid waste has been prepared.
18.	M.C. Bilaspur	There is no waste processing facility.	BBMB land position with MC 4 bigga.	Action plan of solid waste has been prepared.
19.	M.C. Shri. Naina Devi Ji	There is no waste processing facility.	Land available 10 viswa.	Action plan of solid waste has been prepared.
20.	M.C. Ghumarwin	There is no waste processing facility.	19 bigga land identified but transfer could not be done due to refusal of noc by concerned gram panchayat.	Action plan of solid waste has been prepared.
21.	N.P. Talai	There is no waste processing facility.	Land available 15 viswa.	Action plan submitted
22.	M.C. Mandi	There is no waste processing facility.	Land available 7.5 bigha.	Action plan of solid waste has been prepared.
23.	M.C. Sundernagar	There is no waste processing facility.	Land parcel available, 3 bigha.	Action plan of solid waste has been prepared.
24.	M.C. Nerchowk	There is no waste processing facility.	Land parcel available, 19 bigha.	Action plan of solid waste has been prepared.
25.	N.P. Sarkaghat	There is no waste processing facility.	Land parcel identified, transfer under process.	Action plan of solid waste has been prepared.
26.	N.P. Jogindernagar	Waste processing facility available.	Agriculture Department's land being used for waste processing.	Action plan of solid waste has been prepared.
27.	N.P. Rewalsar	Waste processing facility available.	Land not available.	Action plan of solid waste has been prepared.
28.	N.P. Karsog	There is no waste processing facility.	Private land parcel taken on lease.	Action plan of solid waste has been prepared.
29.	M.C. Kullu	Waste processing facility available.	Land is not identified.	Action plan of solid

				waste has been prepared.
30.	M.C. Manali	Waste processing facility is being setup.	Land parcel available, 1.5 bigha.	Action plan of solid waste has been prepared.
31.	N.P. Bhunter	Waste processing facility available.	Land not available.	Action plan of solid waste has been prepared.
32.	N.P. Banjar	Waste processing facility available.	Land identified and transfer under process 1.15 bigha.	Action plan of solid waste has been prepared.
33.	M.C. Una	Waste processing facility is being setup.	Land parcel available 2 bigha.	Action plan of solid waste has been prepared.
34.	M.C. Santokhgarh	There is no waste processing facility.	Land parcel available 2 bigha.	Action plan of solid waste has been prepared.
35.	N.P. Dalautpur	Not done	Land parcel available 2 bigha.	Action plan of solid waste has been prepared.
36.	N.P. Gagret	There is no processing facility.	Land parcel not available. Land taken on lease.	Action plan of solid waste has been prepared.
37.	N.P. Mehatpur	There is no waste processing facility.	Land parcel not available. Santokhgarh land used jointly.	Action plan of solid waste has been prepared.
38.	N.P. Tahliwal	There is no waste processing facility	Land parcel available 2.5 bigha.	Action plan of solid waste has been prepared.
39.	M.C. Hamirpur.	Pit composting facility.	Land available 8 bigha.	Action plan of solid waste has been prepared.
40.	M.C. Sujampur	There is no waste processing facility.	Land available 2 bigha	Action plan of solid waste has been prepared.
41.	N.P. Nadaun	There is no waste processing facility.	Land available 2.5 bigha.	Action plan of solid waste has been prepared.
42.	N.P. Bhota	There is no waste processing facility.	2 kanal available.	Action plan of solid waste has been prepared.
43.	M. Corp. Dharamshala	There is no waste processing facility.	Land parcel in possession and is used by MC Dharamshala.	Action plan of solid waste has been prepared.
44.	M.C. Kangra	Pit compositing system installed	Land parcel available.	Action plan of solid waste has been prepared.
45.	M.C. Palampur	There is no composting facility.	Land available but under dispute, waste is being sent to nearby Aima Panchayat for processing.	Action plan of solid waste has been prepared.
46.	M.C. Nurpur	There is no waste processing facility.	Land identified, but transfer under process.	Action plan of solid waste has been prepared.
47.	M.C. Nagrota Bagwan	No site	Land not available, waste being sent to	Action plan of solid

			Kangra.	waste has been prepared
48.	M.C. Dehra	There is no waste processing facilities.	Land parcel of BBMB used by MC Dehra.	Action plan of solid waste has been prepared.
49.	M.C. Jawalamukhi	There is no waste processing facilities.	Land available 3 bighas.	Action plan of solid waste has been prepared.
50.	N.P. Jawali	There is no waste processing facilities.	2 land parcels identified, but yet to be finalized.	Action plan of solid waste has been prepared.
51.	N.P. Baijnath-Paprola	There is no waste processing facilities	Land identified, transfer under process 1 bigha.	Action plan of solid waste has been prepared.
52.	M.C. Chamba	There is no waste processing facilities.	3.5 bigha land available.	Action plan of solid waste has been prepared.
53.	M.C. Dalhousie	Not done	Land parcel available 1 bigga.	Action plan of solid waste has been prepared.
54.	N.P. Chowari	There is no waste processing facilities.	Land identified and transfer of same is under process 4 bigga.	Action plan of solid waste has been prepared.
55.	Cantonment board jatogh	There is no waste processing facilities.	Dumping site exits.	Action plan of solid waste has been prepared.
56.	Cantonment board Kasauli	(Trenching ground)	Dumping site exits.	Action plan of solid waste has been prepared.
57.	Cantonment board yol	There is no waste processing technology.	Dumping site exits.	Action plan of solid waste has been prepared.
58.	Cantonment board Dalhousie	There is no processing facility.	Dumping site exits.	Action plan of solid waste has been prepared.
59.	Cantonment board bakloh	Not done	Dumping site exits.	Action plan of solid waste has been prepared.
60.	Cantonment board subathu	Waste processing facilities available.	Dumping site exits.	Action plan of solid waste has been prepared.
61.	Cantonment board dakshai	There is no waste processing facilities.	Dumping site exits	Action plan of solid waste has been prepared.

**Note:** - The information in the statement is compiled based on the reports filed by Local Bodies and / or concerned Regional Officers of the State Board.

**ANNEXURE-II (2018-19)**

**A SUMMARY STATEMENT ON PROGRESS MADE BY MUNICIPAL AUTHORITY IN RESPECT OF COLLECTION, SEGREGATION, TRANSPORTATION, DISPOSAL**

Name of the Municipal Authority	PARAMETERS AS PER SCHEDULE –II					
	Collection	Segregation	Storage	Transportation	Processing	Disposal
<b>MC Shimla</b>	<ul style="list-style-type: none"> <li>No. of Wards 34 Total Population 2,42000 approx.(Including floating population) having area 35.34 Sq Km.</li> <li>The total waste generated 85 Tons/day and collected 60-80 Tons/day.</li> <li>Per capita 350g/day.</li> <li>Solid waste processed 60-80 tpd. Waste rejects 10 %.</li> <li>Door-to-Door collection occurs in all 34 wards through SEHB Society. No. of household 40224.</li> <li>No. of non-residential premises 3000 approx. Through motorized vehicles 30% and through other devices 70%.</li> <li>100% street sweeping daily by long handled broom.</li> <li>4 No. of Slums are identified and D2D collection is provided.</li> <li>303 Regular staff for collection, street sweeping transportation and disposal of waste.</li> <li>Through SEHAB Society 96 workers for street sweeping, 136 casual workers, 25 sewer man, 4 at processing plant and 484 for D2D collection is deployed.</li> </ul>	<ul style="list-style-type: none"> <li>100% storage of waste at source in dustbins in households and commercial establishments.</li> <li>20-25% of premises segregating the waste at source.</li> </ul>	<ul style="list-style-type: none"> <li>Solid waste is stored at 180 domestic/commercial/institutional bins.</li> <li>Compartmentalised bins are placed. Dumper placer sand twin dumper placer are used.</li> <li>Storage capacity of waste storage facilities varies 3.5 m<sup>3</sup> and 4.5 m<sup>3</sup>.</li> <li>About 45-50 % of total waste is actually stored at storage depots.</li> <li>Frequency of collection of waste from depots: Daily -20, Alternate day-20, Twice a week 14, once a week-10 and occasionally-3.</li> </ul>	<ul style="list-style-type: none"> <li>Transportation through 6 Tipping Truck 6 Dumper Placer, 2 Compactors, 2 Swachta Vhaanas, 25 Pick Ups.</li> <li>60-80tpd/day transported per day.</li> </ul>	<ul style="list-style-type: none"> <li>Land available for processing of waste 2.45 Hectare.</li> <li>Collected waste (60-80 tonnes ) is sent to waste processing plant i.e waste to energy M/s Elephant Energy Pvt. Ltd.</li> <li>Currently RDF Section is being operationalised and waste is being converted to RDF through Gasification. (60-80 Tones processed and 40 tonne RDF prepared Combustible waste supplied to cement plant 25 tonnes per day</li> <li>1 Tonne / day biogas plant is also established in Shimla.</li> <li>Facility at site:-</li> </ul>	<ul style="list-style-type: none"> <li>One Landfill is being developed by MC Shimla near MC processing Facility which is 13 Km from city. 1-1.5 distance from habitation 1.5 km distance from water body, 2.5 km distance from national highway. 10 km distance from airport.</li> <li>Total waste landfilled 5-8 TPD.</li> </ul>

	<ul style="list-style-type: none"> <li>• Due to inaccessible area, waste is brought normally through gunny bags to the accessible areas from where it is transported to the WtE Plants.</li> </ul>				<p>Lighting facility is available on site. Bridge facility available</p> <p>.bulldozer. Jcb available. Jcb man power deployed at land filled site</p> <p>Covering is done on daily basis by soil and construction debris</p>	
MC Rohroo	<ul style="list-style-type: none"> <li>• Total population 6875. Total ward 7. Household 1545 Non-residential premises in the city 800.</li> <li>• sQuantity of solid waste generated and collected 1.90 tonne Per day.</li> <li>• D2D collection in all 1545 households and 800 Non residential/commercial establishments. Through motorized vehicles 40% and through other devices 60%.</li> <li>• Street sweeping by long handled broom. Sweeping once a day.</li> </ul>	--	<ul style="list-style-type: none"> <li>• Provided 15 Metallic plastic container and 8 2 bins placed for storage.</li> <li>• Daily cleaning of bins.</li> </ul>	<ul style="list-style-type: none"> <li>• Transportation of waste through 2 Tractors and 1 dumper placer.</li> <li>• Quantity of waste transported each day 1.90 tpd.</li> <li>• Two trips a day.100% transportation.</li> </ul>	<ul style="list-style-type: none"> <li>• Land available for dumping of waste 0.2520 Hectare.</li> <li>• Facility provided:- Land fill site is fenced</li> </ul>	<ul style="list-style-type: none"> <li>• Total waste dumped 1.90 Tpd.</li> <li>• 1 number of dumpsite sites available with the local body.</li> <li>• Facility is 500 meter from city.1-1.5 distance from habitation 200 m distance from water body, 600 m distance from national highway. 300 m distance from</li> </ul>

<p><b>MC Rampur Bushahr</b></p>	<ul style="list-style-type: none"> <li>• Total population 9239. Area in Sq. Km. 4.044. Number of house hold in the city 3281 approx. and number of non-residential premises in the city 1343 approx.</li> <li>• 9 nos of wards are covered in D2D. 2560 household covered and 1320 non-residential premises</li> <li>• Quantity of solid waste generated 3.75 tones.</li> <li>• Quantity collected per day 2.75/tpd,</li> <li>• Per capital waste collected per day 395 gms.</li> <li>• D2D collection of solid waste is being done in the city.</li> <li>• Primary collection adopted through containers. Sweeping of street on daily basis and 16.50 km of length of roads, street, lanes in the city. Frequency of collection of waste from depots 30 nos bins cleared daily, 10 nos. bins alternate day, 18 nos. bins covered twice a week.</li> </ul>	<p>--</p>	<ul style="list-style-type: none"> <li>• Solid waste is stored at source in domestic commercial/binstitutional bins.</li> <li>• Waste storage in the city/town 10 nos. masonry bins, 48 nos. of 2 to 5 m<sup>3</sup> bins.</li> <li>• 53/9239 bin/population ratio.</li> <li>• Total waste actually stored at the waste storage depots daily 2.10 tons.</li> </ul>	<ul style="list-style-type: none"> <li>• 50% motorized vehicle of residential and non-residential premise covered in D2D.</li> <li>• Storage depots have facility for storage. Front-end loaders, top loaders Hydraulic dumpers placer used for lifting &amp; disposal of waste.</li> <li>• Waste transported through by 1 no. tipper and 1 no small tipper and 1 no dumper placer. Transportation of waste 61% daily, 30 % twice a week.</li> </ul>	<ul style="list-style-type: none"> <li>• Lifting of solid waste from storage depots 48% of manual lifting and of solid waste and 52% of mechanical lifting.</li> <li>• Manually processing at site by sweepers.</li> <li>• Land available for processing of waste 2.10 tpd.</li> </ul>	<p>airport.</p> <ul style="list-style-type: none"> <li>• Quantity of solid waste disposed at dumpsite/landfill 2.75 tpd.</li> <li>• Area for waste disposal 12750 sq Metre.</li> <li>• Facility is 5.00 km from city. 0.500 km distance from habitation 0.062 km distance from water body, d 10 km distance from airport.</li> </ul>
<p><b>M.C Theog</b></p>	<ul style="list-style-type: none"> <li>• Population 4351 Area in sq. kilometers 4 square km. Number of households in the city/town 1225. Number of wards 7. Number of non-residential premises in the city 7nos.</li> <li>• Estimated Quantity of solid waste generated in the local body area 2 tonne per day.</li> <li>• Quantity of solid waste collected</li> </ul>	<p>--</p>	<ul style="list-style-type: none"> <li>• Solid waste is stored at source in a segregated form. 22 %.</li> <li>• Secondary Waste Storage facilities 3 nos.</li> <li>• Open waste storage sites. No. of bins placed 30.</li> </ul>	<ul style="list-style-type: none"> <li>• Waste Transportation per day 2 trips waste transported per/day.</li> <li>• 2 tipping trucks ( 1 number of M.C area and one for transportation to</li> </ul>	<ul style="list-style-type: none"> <li>• Quantity of solid waste processed 0.98 qtl.</li> <li>• 1 no of slums are identified.</li> <li>• Manual processing at site by safai karamcahri.</li> </ul>	<ul style="list-style-type: none"> <li>• Quantity of solid waste disposed at landfill 1.50tpd.</li> <li>• Solid waste disposal facilities 1no. 450 sq km.</li> <li>• Distance from city 1</li> </ul>

	<p>1.80 per day /tpd.</p> <ul style="list-style-type: none"> <li>Per capita waste collected 2.80 per day /gm/day.</li> <li>Door to Door Collection of solid waste in 7 wards.No. Of households covered 750.</li> <li>No. of non-residential premises including commercial Establishments, hotels, restaurants educational institutions/offices etc covered 7 nos.</li> <li>Percentage of residential and non-residential premises covered in door to door collection through: Other device 80% collection adopted 20 % through dustbins.</li> <li>Sweeping of street daily. Tools used 90% Manual sweeping handle broom used by sanitation workers each sanitation worker is given handcart/tricycle for collection of waste and the collection tool synchronizes with collection/waste storage containers utilized.</li> </ul>		<ul style="list-style-type: none"> <li>Total volume of bins placed 30</li> <li>Total waste actually stored at the waste storage depots 1.25 tonnes.</li> <li>Number of bins cleared 12 nos.</li> <li>Frequency No. of bins Daily- 18. Alternate 10.Twice a week- 2</li> <li>Storage depots have facility for storage of segregated waste in green, blue and black bins lifting of solid waste from storage depots is manual 100%</li> </ul>	<p>M.C Shimla plant at bhariyal).</p> <ul style="list-style-type: none"> <li>Frequency of transportation daily 80%.</li> <li>Percentage of total waste transported daily 80%. Twice a week 20%. Quantity of waste transported each day is 1.80 tpd.</li> <li>Tool used: - Mechanical/manual sweeping 90%.</li> </ul>		<p>km, from habituations 1 km. Distance from water body 0.500 kms.</p>
NP Narkanda	<ul style="list-style-type: none"> <li>Population 901 Area in sq. kilometers 1.04 Number of households in the city/town , 126 Number of non-residential premises in the city 7 nos.</li> <li>Estimated Quantity of solid waste generated in the local body area 0.262 mt.</li> <li>Quantity of solid waste collected 0.262 per day /tpd. Per capita waste Collected 0.026 per day</li> </ul>	<ul style="list-style-type: none"> <li>Segregation and storage of waste is being done in three wards only.</li> <li>60% of households practice storage of waste at source in domestic bins.</li> <li>75 % of non-Residential premises</li> </ul>	<ul style="list-style-type: none"> <li>Solid waste is stored at source in a segregated form. 22 Percentage.</li> <li>Secondary Waste Storage facilities 3 nos.</li> <li>No. of bins placed 6 (Big) Total volume of bins placed 30 (Small).</li> </ul>	<ul style="list-style-type: none"> <li>Waste Transportation per day 2.48 qtl. By hydraulic pickup.</li> <li>Frequency of transportation of waste- daily.</li> <li>Quantity of waste transported each day 0.262 tpd.</li> </ul>	<ul style="list-style-type: none"> <li>Not processed</li> </ul>	<ul style="list-style-type: none"> <li>1number of dumpsite available with the local body.</li> <li>1800 sqm area of such site available for waste disposal sites.</li> </ul>

	<p>/gm/day.</p> <ul style="list-style-type: none"> <li>Quantity of solid waste disposed at landfill 0.262 /qtl.</li> <li>Door-to-Door Collection of solid waste in 7 wards.</li> <li>No. of households covered 239. No of non-residential premises including commercial Establishments, hotels, restaurants educational institutions/offices etc covered 7 nos.</li> <li>Percentage of residential and non-residential premises covered in door to door collection through :Motorized vehicle-60% : other devices-40%.</li> <li>Sweeping of streets daily</li> <li>Length of roads, streets, lanes, bye-lens in the city that needs to be cleaned 1.40km</li> <li>Tools used: Manual sweeping: 100% long handle broom used by the sanitation works and each sanitation worker is given handcraft/tricycle for collection of waste.</li> </ul>	<p>practice storage of waste at source in commercial bins.</p> <ul style="list-style-type: none"> <li>25% of households dispose of throw solid waste on the Streets.</li> <li>16 % of non-residential premises dispose of throw solid Waste on the streets.</li> </ul>	<ul style="list-style-type: none"> <li>Total storage capacity of waste storage facilities in 12 cubic metre.</li> <li>Total waste actually stored at the waste storage depots daily 2.62 qtl.</li> <li>Give Frequency of collection of waste from the depots Number of bins cleared daily 12 no and some bins are covered weekly.</li> <li>Whether lifting of solid waste from storage depots 10% of Manual of Lifting of solid waste and 90% of mechanical lifting.</li> </ul>	<ul style="list-style-type: none"> <li>Tool used :- Mechanical/manual sweeping 90%.</li> </ul>		<ul style="list-style-type: none"> <li>Distance from city 400 mt and distance from nearest habitation 100 mt.</li> <li>landfill site fenced and landfill facility is available on site.</li> </ul>
N.P sunni	<ul style="list-style-type: none"> <li>Population 2591.</li> <li>Area in sq. kilometers 1.76.</li> <li>Number of households in the city/town, 660 Nos. of non-residential premises in the city 23 nos. and 7 wards.</li> </ul>	<ul style="list-style-type: none"> <li>Segregation and storage of waste is being done in 100% of households practice storage of waste at source</li> </ul>	<ul style="list-style-type: none"> <li>Storage depots in the city and towns:- No. of bins placed 13 (Big)</li> <li>Total volume of bins placed</li> </ul>	<ul style="list-style-type: none"> <li>Waste Transportation by tipping Trucks.</li> <li>Frequency of transportation of waste 100% daily</li> </ul>	<ul style="list-style-type: none"> <li>Solid waste processed partially.</li> <li>5.50 Bigha Land available in ward No. 4.</li> </ul>	<ul style="list-style-type: none"> <li>Distance from city 01km, from habitations 0.05km. Distance from</li> </ul>

	<ul style="list-style-type: none"> <li>Quantity of solid waste Generated in the local body area 0.05 tpd.</li> <li>Quantity of solid waste collected 0.05 per day /tpd.</li> <li>Per capita waste collected 200 g per day /gm/day.</li> <li>Quantity of solid waste disposed at landfill 0.05 tpd.</li> <li>Door to Door Collection of solid waste in 7 wards. No. of households covered 660.</li> <li>% of residential and non-residential premises covered in D2D collection through: manually gunny bags.</li> </ul>	<p>in domestic bins</p> <ul style="list-style-type: none"> <li>100% of non-residential premises practice storage of waste at source in commercial /institutional bins.</li> <li>20-25 % of premises segregating waste at source.</li> </ul>	<p>4.5 m<sup>3</sup></p> <ul style="list-style-type: none"> <li>Total waste actually stored at the waste storage depots 58.50 Qtl.</li> <li>Frequency of collection of waste from the depots- Nos. of bins cleared 13 nos.</li> <li>Frequency No. of bins daily cleared- 13.</li> <li>Lifting of solid waste from storage depots is manual -100%</li> </ul>	<ul style="list-style-type: none"> <li>Quantity of waste transported each day 0.05 tpd.</li> <li>100% waste transported daily</li> <li>Tool used:- They provided Workers with long handle broom, sanitation workers given handcraft /tricycle for collection of waste.</li> </ul>	<p>water body 0.05 kms. Distance from national highway 1 km.</p> <ul style="list-style-type: none"> <li>Quantity of 0.05tpd landfill each day.</li> </ul>	
NP Chopal	<ul style="list-style-type: none"> <li>Population 185.</li> <li>4 Number of households in the city/town, 743. Nos. of election/administrative wards in the city 7.</li> <li>Quantity of Solid waste generated 0.40 tone/day.</li> <li>Quantity of solid waste collected 0.40 per day /tpd. Per capita waste collected 0.40 gm/day.</li> <li>Quantity of solid waste Disposed at landfill 0.40/tpd.</li> <li>Door to Door Collection of solid waste in 7 wards. No. of households covered 743.Nos. of non-</li> </ul>	<ul style="list-style-type: none"> <li>10% of households practice storage of waste at source in domestic bins. 2% household and 5 % non-residential premises solid waste disposed or throw on the street .</li> <li>255 of premises segregated the waste a t</li> </ul>	<ul style="list-style-type: none"> <li>Storage depots 1 no. of masonry bins.</li> <li>25 covered metals/plastics containers.</li> <li>No. of bins placed 35 (Big) &amp; 9 (Small)</li> <li>Total waste actually stored at the waste storage depots 0.5 tpd. 100%</li> <li>Frequency of Collection of</li> </ul>	<ul style="list-style-type: none"> <li>Waste Transportation- Through 1tripper/day By hydraulic pickup.</li> <li>Frequency of Transportation of waste on daily basis.</li> <li>Quantity of waste transported each day 0.40 tonnes.</li> </ul>	<ul style="list-style-type: none"> <li>1 no of slums are identified and provided</li> <li>Waste treatment technology used composting.</li> <li>Solid waste processed partially.</li> <li>Quantity of waste processed 20%.</li> <li>Treatment done by local body.</li> <li>450 square meter land available</li> </ul>	<ul style="list-style-type: none"> <li>Land available with the local body for waste processing is 1 bigha.</li> <li>Solid waste disposal facilities 0.</li> <li>One number dumpsite and sanitary landfill available with the local body.</li> <li>728 sq/m</li> </ul>

	<p>residential premises Covered 235 nos.</p> <ul style="list-style-type: none"> <li>• % of residential is 100% and non-residential is 31 %premises covered in Door to door collection .</li> <li>• Frequency of street sweepings and percentage of population covered 82%. Sweeping of street daily.</li> </ul>	<p>source.</p> <ul style="list-style-type: none"> <li>• 20%-25% of households dispose of throw solid waste on the Streets.</li> <li>• 16 % of non-residential premises dispose or throw solid waste on the streets.</li> </ul>	<p>waste from the depots.</p> <ul style="list-style-type: none"> <li>• Number of bins cleared 35 nos. twice a week.</li> <li>• lifting of solid waste from storage depots is 100% manual.</li> </ul>		<p>for waste processing.</p> <ul style="list-style-type: none"> <li>• 400 meter ahead from town.</li> </ul>	<p>area available for waste disposal site for each site.</p> <ul style="list-style-type: none"> <li>• Distance from city 1km. Distance from water body 2 kms. Distance from national highway 500m.</li> <li>• 8 number manpower deployed for collection and street sweeping.</li> </ul>
<p>NP Kotkhai</p>	<ul style="list-style-type: none"> <li>• Population 1190</li> <li>• Area in sq. kilometers 45.</li> <li>• Number of households in the city/town, 441. No of non-residential 200</li> <li>• Number of election/administrative wards in the city in 7.</li> <li>• Quantity of Solid waste generated 0.40 tonne tpd.</li> <li>• Quantity of solid waste collected 0.040 /tpd. Per capita waste collected 200gm/day.</li> <li>• Quantity of solid waste disposed at landfill 0.040 tpd.</li> <li>• Door to Door Collection</li> </ul>	<ul style="list-style-type: none"> <li>• 100% of households practice storage of waste at source in domestic bins.</li> <li>• 100% household and non-residential premises solid waste disposed or throw on the street.</li> <li>• 5% of premises segregated the waste at source.</li> <li>• Non-residential premises</li> </ul>	<ul style="list-style-type: none"> <li>• Storage depots 3 nos. of massonary bins. 15 covered metals/plastics containers. 10 number of 2 to 5 m2 bins.</li> <li>• No. of bins placed 8(Big). Total 4.5 gm waste storage facility in cubic meter.</li> <li>• Total waste actually stored at the waste</li> </ul>	<ul style="list-style-type: none"> <li>• Equipment used at landfill JCB. Waste</li> <li>• Transportation 1tripper/day pick up used.</li> </ul>	<ul style="list-style-type: none"> <li>• 1 no of slums are identified and provided With SW M facilities.</li> <li>• Waste treatment technology used compositing.</li> <li>• Solid waste processed partially.</li> <li>• Quantity of waste processed 20%.</li> <li>• Treatment</li> </ul>	<ul style="list-style-type: none"> <li>• Area of land currently used for waste disposal 1 bigga.</li> <li>• Distance from city 02km. Distance from habitation 1 km Distance from water body 1 kms. Distance from national highway 0.05m.</li> <li>• Quantity of</li> </ul>

	<p>of solid waste in 7 wards. No. of households covered 441. No. of non-residential premises including commercial Establishments etc. covered 200 nos.</p> <ul style="list-style-type: none"> <li>Residential and non-residential premises covered in 2d collection through: Motorized vehicle-20%, containerized -10% tricycle/handcar-70%.</li> <li>100% street sweepings and population Covered.</li> <li>Tools used- Manual sweeping 100% long handle broom used by sanitation workers, each sanitation worker is given handcart/tricycle for collection of waste, the collection tool synchronizes with collection/ waste Storage containers utilized.</li> </ul>	<p>practice storage of waste at source in commercial bins 20%- 25% of households dispose of throw solid waste on the streets 16 % of non-residential premises dispose of throw solid Waste on the streets.</p>	<p>storage depots 0.045 tonnes.</p> <ul style="list-style-type: none"> <li>Frequency of collection of waste from the depots daily from 3 bins.</li> <li>lifting of solid waste from storage depots is manual 100% .s</li> </ul>		<p>done by local body .</p> <ul style="list-style-type: none"> <li>450 square meter land available for waste processing site.</li> <li>400 meter ahead from town.</li> </ul>	<p>waste landfill 0.79 tpd.</p>
N.P jubbal	<ul style="list-style-type: none"> <li>Population 1640.</li> <li>Area in sq. kilometers 9.</li> <li>Number of households in the city/town, 442. No of non-residential 200</li> <li>Number of election/ administrative wards in the city in 7.</li> <li>Quantity of solid waste generated in the local body area 0.86 tpd.</li> <li>Quantity of solid waste collected 0.082 /tpd. Per capita waste collected</li> </ul>	<ul style="list-style-type: none"> <li>70% of households practice storage of waste at source in domestic bins.</li> <li>60% of non-residential premises practice storage of waste at source in commercial /institutional</li> </ul>	<ul style="list-style-type: none"> <li>Storage depots 0. Covered metals/plastics containers 25.</li> <li>Bin population ratio 1:65</li> <li>No. of ward 1. No. of bins placed 5 nos. Total volume of bins placed 60.</li> <li>Total waste storage capacity 36 cum.</li> </ul>	<ul style="list-style-type: none"> <li>Waste Transportation 2 trip/day cart and through rehri.</li> <li>Frequency of transportation of waste Frequency 75% daily.</li> <li>Alternate 5 % . 10% once a week .5 % occasionally.</li> <li>Quantity of</li> </ul>	<ul style="list-style-type: none"> <li>Waste treatment technology used de-compositing.</li> <li>Solid waste processed partially.</li> <li>Quantity waste processed 0.07 tpd.</li> <li>Treatment done by local body.</li> <li>4.5m square</li> </ul>	<ul style="list-style-type: none"> <li>One number of dumpsite and available with local body. 2 hec. area of site available for waste disposal.</li> <li>Distance of city from site is</li> </ul>

	<p>524gm/day.</p> <ul style="list-style-type: none"> <li>Quantity of solid waste disposed at landfill 0.789tpd.</li> <li>Door to Door Collection of solid waste in 2 wards. No. of households covered 107. No. of non-residential premises including hotels, restaurants educational institutions etc. covered 70 nos. % of residential and non-residential premises covered in d2d collection through Containerized 30%</li> <li>Frequency of street sweepings and percentage of population Covered on daily 75%. Alternate days 5% and occasionally 5 %.</li> <li>Tools used Manual sweeping 100% long handle broom used by sanitation workers Each sanitation worker is given handcart/tricycle for collection of waste. the collection tool synchronizes with collection / waste Storage containers utilized.</li> </ul>	<p>bins.</p> <ul style="list-style-type: none"> <li>5% of households dispose of throw solid waste on the Streets.</li> <li>8% of non- Residential premises dispose of throw solid waste on the streets.</li> </ul>	<ul style="list-style-type: none"> <li>Frequency of collection of waste from the depots daily from 12 bins, alternate day 3, twice a week 5, once a week 3, occasionally 2.</li> <li>Storage depots have facility for storage of segregated waste in green 10, blue 15, and black bins 0.</li> <li>Whether lifting of solid waste from storage depots is manual 100%.</li> </ul>	<p>waste transported each day 0.82 tpd.</p> <ul style="list-style-type: none"> <li>95% of total waste transported daily.</li> <li>Tool used:- Mechanical/manual sweeping %. They provided Workers with long handle broom, sanitation workers given handcraft/tricycle for collection of waste.</li> </ul>	<p>meter land available for waste processing facility.</p> <ul style="list-style-type: none"> <li>Raw material processed by compositing is 0.17.</li> </ul>	<p>10 km. Distance from habitation 2 km. Distance from water body 10 kms. Distance from national highway 0.5m. distance from airport 10 km.</p>
<b>Solan</b>	<ul style="list-style-type: none"> <li>Population 40000.</li> <li>Number of households in the city/town 9000.</li> <li>No of non-residential 2500 Number of election/administrative wards in the city in 15.</li> </ul>	<ul style="list-style-type: none"> <li>30% of household practice storage of waste at source in domestic bins</li> <li>30% of non-residential premises practice</li> </ul>	<ul style="list-style-type: none"> <li>Waste Storage depots- upto 1.1 metre cube bins capacity are 1m. And 2-5 meter cube bins capacity</li> </ul>	<ul style="list-style-type: none"> <li>30% segregate d waste lifted from door to door facility.</li> <li>2 nos. of tipper truck, 2 nos. dumpers</li> </ul>	<ul style="list-style-type: none"> <li>10 ton quantity of waste processed daily treatment done by agency Elephant energy plant Shimla</li> <li>Land available 2</li> </ul>	<ul style="list-style-type: none"> <li>No of sanitary landfill site 1. Area of land currently used for waste disposal</li> </ul>

	<ul style="list-style-type: none"> <li>Quantity of solid waste generated in the local body area 20 tpd.</li> <li>Quantity of solid waste collected 18 tpd.</li> <li>Per capita waste collected 500 gm/day</li> <li>Quantity of solid waste disposed at landfill 10 ton/tpd.</li> <li>D2D Collection of solid waste in 15wards.</li> <li>Residential and nonresidential premises covered in d2d collection throughs: Motorized vehicle 20%, other device 80 %.</li> <li>Frequency of street sweepings and percentage of population covered on daily 60%. Alternate days 30% and twice a week 10%.</li> <li>Tools used Manual sweeping 100%. Long handle broom used by sanitation workers. Collection tools- waste storage container utilized.</li> </ul>	<p>storage of waste at source in commercial /institutional bins. 5% of households dispose of throw solid waste on the streets. 5% Of non-residential premises dispose of throw solid waste on the streets 30% of premises segregating the waste at source.</p>	<p>4.5 msq.</p> <ul style="list-style-type: none"> <li>266 m cube waste storage facility.</li> <li>15 ton waste storage depots daily.</li> <li>Frequency of collection of waste from the depots daily from 30 bins, alternate day 32, twice a week 22.</li> <li>Storage depots have facility for storage of segregated waste in green 20, blue 20, and black bins 20.</li> <li>Lifting of solid waste from storage depots is manual 40% mechanical 60 %.</li> </ul>	<p>placer and 2 number of Mahindra placer are used for transportation of waste.</p> <ul style="list-style-type: none"> <li>Frequency of transportation of waste daily, 50% alternate 30% and twice a week 20%.</li> <li>Quantity of waste transported each day 16 ton and 80 % waste transported daily.</li> </ul>	<p>hectare with the local body.</p> <ul style="list-style-type: none"> <li>Waste treatment technology used decomposition.</li> <li>Solid waste processed partially.</li> <li>Quantity waste processed 0.07tpd.</li> <li>Treatment done by local body.</li> <li>4.5m square meter land available for waste.</li> <li>Raw material processed by compositing is 0.17.</li> </ul>	<p>150 sq meter.</p> <ul style="list-style-type: none"> <li>Distance from habitation 8. Distance from habitation 1 km Distance from water body 1 kms. Distance from national highway 2m.</li> <li>Quantity of waste landfill 0.79 tpd. the landfill site is fenced. 4 tone of waste land filled each day tpd.</li> <li>landfill site is fenced and lighting facility is available on site.</li> <li>Vehicles and equipments used</li> </ul>
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						<p>at landfill Bulldozer, Compacters available and JCB on rent.</p> <ul style="list-style-type: none"> <li>• covering is done on daily basis. Gas ventilating provided</li> </ul>
Nalagarh	<ul style="list-style-type: none"> <li>• Population 10702.</li> <li>• Area 4.20 sq km.</li> <li>• Number of households in the city/town 2535. Number of election/administrative wards in the city in 9.</li> <li>• Quantity of Solid waste generated in the local body area 5 tone.</li> <li>• Quantity of solid waste collected 5 tpd quantity of solid waste disposed at landfill 5 ton/tpd.</li> <li>• Door to Door Collection of solid waste in 9 wards. No. of households covered 2535.Nos. of non-residential premises including commercial Establishments, hotels, restaurants educational institutions/offices etc covered 1304 nos. % of residential and non-residential premises covered in d2d collection</li> </ul>	<ul style="list-style-type: none"> <li>• 80% Percentage of households practice storage of waste at source in domestic bins.</li> <li>• 80% of non-residential premises practice storage of waste at source in commercial /institutional bins. 20% of households and non-residential dispose of or throw solid waste on the Streets.</li> <li>• 20% of premises segregating the waste at source.</li> </ul>	<ul style="list-style-type: none"> <li>• Waste Storage depots upto 1.1 meter cube bins capacity are 1mc. and 2 -5 meter cube bins capacity 4.5 msq.</li> <li>• 266 m cube waste storage facility.</li> <li>• 15 ton waste storage depots daily. Frequency of collection of waste from the depots daily from 30 bins , alternate day 32, twice a week 22.</li> <li>• Storage depots have facility for storage of segregated waste in green or blue bins distributed to household 20,</li> </ul>	<ul style="list-style-type: none"> <li>• Waste transportation 5 ton transported through tractor and dumper pacer.</li> <li>• Frequency of transportation of waste daily.</li> <li>• Quantity of waste transported each day 5 ton 5 %.</li> </ul>	<ul style="list-style-type: none"> <li>• Land available 2 bigga with the local body.</li> <li>• SWM site is under construction at Kenduwal.</li> </ul>	<ul style="list-style-type: none"> <li>• Solid waste disposal facility at dumpsite village Manjholi.</li> <li>• Area of land currently used for waste processing 2 bigga.</li> <li>• Distance from city/ town 8 km</li> <li>Distance from habitation ½ km. Distance from water body 200ms. Distance from national</li> </ul>

	<p>through: Motorized vehicle 20% Other device 60 %.</p> <ul style="list-style-type: none"> <li>• Frequency of street sweepings and percentage of population Covered on daily basis. Alternate days 30% and twice a week 10%.</li> <li>• Tools used 100% Manual sweeping. long handle broom used by sanitation workers and waste storage container utilize.</li> </ul>		<p>and black bins 0.</p> <ul style="list-style-type: none"> <li>• Lifting of solid waste on mechanical basis 100 %.</li> </ul>			<p>highway 1.25 km.</p> <ul style="list-style-type: none"> <li>• Quantity of waste landfill 5 tone.</li> <li>• The landfill site is partially fence.</li> <li>• Vehicles and equipments used at landfill (specify) bulldozer, Compacters or JCB machines.</li> </ul>
<p><b>M.C Parwanoo</b></p>	<ul style="list-style-type: none"> <li>• Population 8758.</li> <li>• Area 8.2 sq km.</li> <li>• Number of households in the city/town 3500. No of non-residential 250 units. Number of election/ administrative wards in the city in 9.</li> <li>• Quantity of solid waste generated in the local body area 6 tpd.</li> <li>• Quantity of solid waste collected 6 tpd. Per capita waste collected 365 kg.</li> <li>• Quantity of solid waste processed at land 6 ton/tpd.</li> <li>• Door to Door Collection</li> </ul>	<ul style="list-style-type: none"> <li>• 100% of households practice storage of waste at source in Domestic bins. 100% of non-residential premises practice storage of waste at source in commercial bins</li> <li>• Percentage of households dispose of throw solid</li> </ul>	<ul style="list-style-type: none"> <li>• Waste Storage depots upto 1.1 meter cubic bins 45 capacity are 1mc. And 2 -5 meter cube bins capacity 25 meter cube.</li> <li>• Wards 9.</li> <li>• Area 8.12 km population 8758.</li> <li>• Number of bins 15 (small) 25</li> </ul>	<ul style="list-style-type: none"> <li>• Number of tipping truck 1 . Number dumpers 3</li> <li>• Number of placers 2. others pickups 1. one jcb on higher basis .</li> <li>• Frequency of transportation of waste daily 6 tpd</li> <li>• Quantity of waste</li> </ul>	<ul style="list-style-type: none"> <li>• 6 tpd. quantity of waste processed daily.</li> <li>• Land available 0.2575 hectare with the local body.</li> <li>• Waste sent to Shimla SWM plant.</li> </ul>	<ul style="list-style-type: none"> <li>• Land available for waste processing sites 0.2575 hectare.</li> <li>• No of sanitay landfill site 1. Area of land currently used for waste disposal sent to SWM plant</li> </ul>

	<p>of solid waste in 9 wards. No. of households covered 3500.No. of non-residential premises including commercial</p> <ul style="list-style-type: none"> <li>Establishments etc covered 2000 nos. Residential and non-residential premises covered in d2d collection through: Motorized vehicle 100%, other device wheel barrow.</li> <li>Frequency of street sweepings and percentage of population Covered on daily 60%. Alternate days 30% and twice a week 10%.</li> <li>Tools used Manual sweeping 100%. long handle broom used by sanitation workers and each sanitation worker is given handcraft/tricycle for collection of waste and the collection tool synchronizes with collection/waste storage containers utilized.</li> </ul>	<p>waste on the</p> <ul style="list-style-type: none"> <li>Streets 5% of non-residential premises dispose of throw solid waste on the streets is 2%.</li> <li>25% of premises segregating the waste at source.</li> </ul>	<p>(dumper).</p> <ul style="list-style-type: none"> <li>lifting of solid waste from storage depots is 100% mechanical.</li> </ul>	<p>transported each day and 90 % waste transported daily.</p> <ul style="list-style-type: none"> <li>Waste treatment technology used SWM plant Shimla.</li> </ul>		<p>Shimla</p> <ul style="list-style-type: none"> <li>Number of sanitary landfill site available with local body 2.75 square kms. area of as such site available for waste disposal is 3.</li> <li>Distance from city /town 4.5 km. Distance from habitation 3 km. Distance form habitation 1 km . Distance from water body 5 kms. Distance from national highway 2 m.</li> <li>Lighting facility is available on site.</li> <li>Vehicles</li> </ul>
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						and equipments used at landfill (specify) Bulldozer, Compacters available & JCB on rent. • covering is done on daily basis & gas ventilating provided
M.C Baddi	<ul style="list-style-type: none"> <li>• Population 29911.</li> <li>• Area 7.02 sq.km.</li> <li>• Number of households in the city/town 8352.</li> <li>• No. of non-residential 2130.</li> <li>• Number of election/administrative wards in the city in 9.</li> <li>• Quantity of solid waste generated in the local body area 30-35tpd.</li> <li>Quantity of solid waste collected 25-30 MT.</li> <li>Per capita waste collected 85gm/day.</li> <li>Quantity of solid waste disposed at landfill 8-10 metric ton.</li> <li>• Door to Door Collection of solid waste 100% in 9wards. No. of</li> </ul>	<ul style="list-style-type: none"> <li>• 25% of household s practice storage of waste at source in domestic bins.</li> <li>10% of non-residential premises practice storage of waste at source in commercial /institutional bins.</li> <li>• 25% of household s dispose of throw solid waste on the streets. 5% Of non-residential premises dispose of throw solid Waste on the streets.</li> <li>• 10 % of nonresidential premises</li> </ul>	<ul style="list-style-type: none"> <li>• Waste storage depots: 55 No 2 to 5 m3 bins.</li> <li>• No of bins placed 55 Number dumper type bins placed in all 9 wards.</li> <li>• Total volume of bins placed 55 bins having capacity of 2.5 to 3 Qtl each.</li> <li>Total Storage capacity of waste storage facilities in cubic meters 55 bins approximately 12-15 MT totl volume.</li> </ul>	<ul style="list-style-type: none"> <li>• Waste transported through dumper placer and hyva. 8 tractors 2 trips per day each tractor , 1 hyva 2 trips per day. dumper placer 2 nos. 9 trips each dumper per day.</li> <li>• Frequency of transportation of waste on daily basis.</li> <li>• Quantity of waste transported</li> </ul>	<ul style="list-style-type: none"> <li>• 25-30 mtpd quantity of waste processed daily. treatment done by agency Mars Envirotech Limited.</li> <li>• Land available 6.8 hectare with the local body.</li> </ul>	<ul style="list-style-type: none"> <li>• Land available 6.8 hectare in cluster mode. Land currently utilized 1 hect..</li> <li>• One number of dumpsite and sanitary landfill available with local body.</li> <li>• Distance of site from city 2 km .Distance from</li> </ul>

	<p>households covered 8352. No. of non-residential premises including commercial 35%, hotels, restaurants educational institutions/ offices etc covered 2130 nos.</p> <ul style="list-style-type: none"> <li>65% of residential and non-residential premises covered in door to door collection through : Motorized vehicle 75% Other device 25%. Sweeping 100%.</li> <li>Frequency of street sweepings and percentage of population covered on daily 100%. Alternate days 30% and twice a week 10%.</li> <li>Tools used- Manual sweeping 100%. long hand broom used by sanitation Workers and each sanitation worker is given handcraft/tricycle for collection of waste. Or the collection tool synchronizes with collection/waste storage containers utilized.</li> <li>Collection tools - Waste storage container utilize.</li> </ul>	disposed or throw solid waste on the street.		<p>each day 25-30 MT per day.</p> <ul style="list-style-type: none"> <li>100 % waste transported daily.</li> <li>Quantity of waste processed daily 20-25 metric ton per/day.</li> </ul>		<p>habitation 1km. Distance from national highway 3km. distance from airport 50km.</p> <ul style="list-style-type: none"> <li>Quantity of waste landfill each day 1-2 metric ton.</li> <li>the landfill site is fenced , it falls in flood prone area and in earthquake fault line area.</li> <li>Vehicles and equipments used at landfill pokelane and jcb.</li> </ul>
<b>NP Arki</b>	<ul style="list-style-type: none"> <li>Population 3038.</li> <li>Area 1.45 sq km in 7 wards.</li> <li>Quantity of solid waste</li> </ul>	<ul style="list-style-type: none"> <li>% of households practice storage of waste at</li> </ul>	<ul style="list-style-type: none"> <li>Waste Storage depots- 9 m3. and bin less city.</li> </ul>	<ul style="list-style-type: none"> <li>Waste transported through tipping truck.</li> </ul>	<ul style="list-style-type: none"> <li>Land available 2 hectare with the local body.</li> <li>Vehicles and</li> </ul>	<ul style="list-style-type: none"> <li>1 number of dumpsite available with the</li> </ul>

	<p>generated in the local body area 1 tpd/day.</p> <ul style="list-style-type: none"> <li>Quantity of solid waste collected 1 tpd.</li> <li>Quantity of solid waste disposed at landfill /dumpsite 1 tpd.</li> <li>Door to Door Collection of solid waste 7 wards. No. of households covered 605.</li> <li>No. of non-residential premises including commercial Establishments, hotels, restaurants educational institutions/ offices etc covered 225 nos.</li> <li>Percentage of residential and non-residential premises covered in door to door collection through : Motorized vehicle 10%. Other device manual 70%.</li> <li>Frequency of street sweepings and percentage of population covered on daily 100%. Alternate days 30% and twice a week 10%.</li> <li>Tools used- Manual sweeping 100%. long handle broom used by sanitation workers. each sanitation worker is given handcraft/ tricycle for collection of waste and handcraft/ tricycle is containerized.</li> <li>Collection tools- waste storage</li> </ul>	<p>source in domestic bins.</p> <ul style="list-style-type: none"> <li>% of non-residential premises practice storage of waste at source in commercial /institutional bins.</li> <li>% of households dispose of throw solid waste on the Streets.</li> <li>% of non-residential premises dispose of throw solid Waste on the streets.</li> </ul>		<ul style="list-style-type: none"> <li>Frequency of transportation of waste daily basis.</li> <li>Quantity of waste transported each day 1/tpd.</li> <li>100 % waste transported daily.</li> <li>Quantity of waste processed daily 20-25 metric ton per/day.</li> </ul>	<p>equipments used at landfill (specify), jcb.</p>	<p>local body.</p> <ul style="list-style-type: none"> <li>Number of sanitary landfill sites</li> <li>distance from city/town 1.2 km</li> <li>Distance from habitation 1km..</li> <li>Distance from national highway 3 km.</li> <li>distance from airport 50km.</li> <li>the landfill site is fenced.</li> </ul>
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<p>M.C NAHAN</p>	<p>container utilize.</p> <ul style="list-style-type: none"> <li>Population 39014.</li> <li>Area 11.27.</li> <li>Number of households in the city/town 10036.</li> <li>Number of non-residential premises in the city 1276. election/administrative wards in the city/town 13 wards.</li> <li>Quantity of solid waste generated 6.5 to 7.5 tpd.</li> <li>Quantity of solid waste collected 6.5tpd.</li> <li>Per capital waste collected per year 64000 gm/pay.</li> <li>6 tons per/day solid waste processed and disposed at dumpsite /landfill.</li> <li>Quantity of solid waste disposed at landfill / dumpsite 6 tons/day.</li> <li>Door to Door Collection of solid waste 13 wards.</li> <li>No. of households covered 90000.</li> <li>No. of non-residential premises including commercial-1370,</li> <li>Percentage of residential non-residential premises covered in d2d collection through: Motorized vehicle 80% .Handcraft /tricycle 20%.</li> <li>Frequency of street sweepings and percentage of population covered on</li> </ul>	<ul style="list-style-type: none"> <li>60% of household s practice storage of waste at source in domestic bins.</li> <li>70% of nonresidential premises practice storage of waste at source in commercial /institutional bins.</li> <li>0.1% of households dispose of or throw solid waste on the Streets.</li> <li>1% of solid waste stored at segregated form and 25% of waste segregating at source.</li> </ul>	<ul style="list-style-type: none"> <li>Waste Storage depots covered metals/plastics containers 41 Nos. 4.5 m3 and 2 - 2.5 bins 15 no.</li> <li>Total storage capacity 297 cubic meter</li> <li>Total waste actually stored at the waste storage depots 5tpd.</li> <li>Frequency of bins daily 10 bins. Alternate day 5 bins.</li> <li>Storage depots have facility for storage of segregated Waste in bins green-15, blue-15.</li> <li>Lifting of solid waste from storage depots is manual 25% or Mechanical 75 %.</li> </ul>	<ul style="list-style-type: none"> <li>Waste transported through 2 tipping truck. Dumpers placer 15.</li> <li>Frequency of transportation of waste daily 85 % and alternate days 15%</li> <li>Quantity of waste transported each day 6.5-7 per/day.</li> <li>95 % waste transported daily.</li> </ul>	<ul style="list-style-type: none"> <li>6.5 tpd quantity of waste processed daily.</li> </ul>	<ul style="list-style-type: none"> <li>Land available with the local body for waste processing 2.5 bigga.</li> <li>Land currently utilized for waste processing 2.0 bigga.</li> <li>1 Number of dumpsite available with the local body.</li> <li>Distance from city/town 5 km . Distance from habitation 4 km. Distance from water body 5 km. Distance from national highway 50 m.</li> <li>Quantity of waste landfill 1.5 tons /day .</li> <li>the landfill site is fenced.</li> <li>landfill site is</li> </ul>
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	<p>daily 90%. Alternate days 10%.</p> <ul style="list-style-type: none"> <li>Length of roads, streets, lanes, bye-lanes in the city that need to be cleaned 65.47 km</li> <li>Tools used- Manual sweeping 100%. long handle broom used by sanitation workers and collection synchronized with collection /waste storage containers utilized.</li> </ul>					fenced and lighting facility is available on site.
<b>PAONTA SAHIB</b>	<ul style="list-style-type: none"> <li>Population 25183.</li> <li>Area 6.2 sq km.</li> <li>Number of households in the city/town 6042. Nos. Of election/ administrative wards in the city/town 13.</li> <li>Quantity of solid waste generated and collected in the local body area 8.65 tpd.</li> <li>Per capita waste collected 7.26 gm/day.</li> <li>Quantity of solid waste disposed at landfill /dumpsite 7.26 metric ton.</li> <li>Door to Door Collection of solid waste is being done in the city and 2544 wards covered.</li> <li>No. of households covered 620.</li> <li>No. of non-residential premises including commercial &amp; institutions 1480 nos.</li> <li>Frequency of street sweepings and percentage of population covered on</li> </ul>	<ul style="list-style-type: none"> <li>solid waste stored at at source indomestic/commercial/institutional bins.</li> <li>long handle broom used by sanitation workers.</li> <li>Sanitation worker is given handcart/tricycle for collection of waste.</li> <li>handcart / tricycle is containerized.</li> </ul>	<ul style="list-style-type: none"> <li>Open waste storage sites:- 170. Covered metal/plastic containers 125. Dhalo/covered rooms/ space covered.</li> <li>Total volume of bins placed 329.38.</li> <li>Frequency of collection of waste from the depots daily 153. Alternate daily 13. Twice a week 4.</li> <li>Storage depots have facility for storage of segregated Waste in green bins.</li> <li>Lifting of solid waste</li> </ul>	<ul style="list-style-type: none"> <li>Waste transported through tractor/dumper placers.</li> <li>Frequency of transportation of waste daily 153.</li> </ul> <p>Alternate 13. Twice a week 4.</p> <ul style="list-style-type: none"> <li>Quantity of waste transported each day 8.65 tpd.</li> <li>90 % total waste transported daily</li> </ul>	<ul style="list-style-type: none"> <li>Not processed.</li> </ul>	<ul style="list-style-type: none"> <li>No sites available</li> </ul>

	<p>daily 90%. Alternate days 8% and twice a week 2%.</p> <ul style="list-style-type: none"> <li>Tools used- Manual sweeping.</li> </ul>		<p>from storage depots is manual 65.35 % of Mechanical Lifting.</p> <ul style="list-style-type: none"> <li>solid waste is lifted from door to door and transported to Treatment plant directly in a segregated form.</li> </ul>			
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<b>RAJGARH</b>	<ul style="list-style-type: none"> <li>Population 3083</li> <li>Area in sq. kilometers 2.013.</li> <li>Number of households in the city/town 928.</li> <li>Number of election/administrative wards in the city in 7.</li> <li>Quantity of solid waste generated in the local body area 0.05tpd.</li> </ul>	<ul style="list-style-type: none"> <li>60 Percentage of household practice storage of waste at source in domestic bins.</li> <li>50% household and non-residential premises practice stored of waste at source in commercial 15% of household</li> </ul>	<ul style="list-style-type: none"> <li>Storage depots 25 number 1.0 m<sup>3</sup> each &amp; 15 no's 0.42 m<sup>3</sup> each used.</li> <li>Frequency of collection of waste from the depots daily from 30 no's bins .Alternate day 10 nos.</li> <li>Lifting of solid</li> </ul>	<ul style="list-style-type: none"> <li>Waste transported through 01 no tipping truck.</li> <li>Frequency of transportation of waste Daily 65%, alternate day 35%.</li> <li>Quantity of waste transported each day 0.40 tpd.</li> <li>65% of total waste</li> </ul>	Not being processed.	<ul style="list-style-type: none"> <li>Solid waste transported to SWM plant Solan.</li> </ul>
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	<ul style="list-style-type: none"> <li>• Quantity of solid waste Collected 0.40 tpd. Per capita waste collected 130 gm/day.</li> <li>• Quantity of solid waste disposed at landfill 0.40 tpd.</li> <li>• Door to Door Collection of solid waste in 1 to 4 wards and partially in ward no. 5 &amp; 6.</li> <li>• 482 No. of households covered .650 nos. of non-residential premises including commercial establishments, hotels, restaurants educational institutions covered.</li> <li>• Percentage of residential and non-residential premises covered in d2d collection through: Containerized tricycle/handcart 100%.</li> <li>• Length of roads, streets, lanes, bye-lens in the city that need to be cleaned 6.00 approx.</li> <li>• Frequency of street sweepings and percentage of population covered daily 80%, alternate days 10% and twice a week 10%.</li> <li>• Tools used: Manual sweeping 100%.</li> <li>• long handle broom used</li> </ul>	<p>dispose or throw solid waste on the street.</p> <ul style="list-style-type: none"> <li>• 20% of non-residential premises dispose of throw solid waste on the streets.</li> </ul>	<p>waste from storage depots is manual 100%.</p>	<p>transported daily.</p>		
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	<p>by sanitation workers The collection tool Synchronizes with collection/ waste storage Containers utilized.</p>					
<b>Bilaspur</b>	<ul style="list-style-type: none"> <li>• Population 13651.</li> <li>• Area 10.68 sq km.</li> <li>• Number of households in the 3334 city/town. Number of non-residential premises in the city 1050. Number of election/administrative wards in the city/town 11.</li> <li>• Estimated Quantity of solid waste generated in the local body area 4.5tpd per day in metric tons/tpd Quantity of solid waste collected 4 tpd. Per capita waste collected 270gm/day.</li> <li>• Door to Door Collection of solid waste 11 wards.</li> <li>• No. of households covered 3250.</li> <li>• No. of non-residential premises including commercial 990 establishments, hotels, restaurants educational institutions offices etc. covered 2130 nos.</li> <li>• Percentage of residential and non-residential premises covered in Door to door collection through: Motorized vehicle 90%.</li> </ul>	<ul style="list-style-type: none"> <li>• 90% Percentage of households practice storage of waste at source in domestic bins 100 %Percentage of non-residential premises practice storage of waste At source in commercial /institutional bins. Percentage of households dispose of throw solid waste on the streets. 10% Percentage of non-residential premises dispose of throw solid Waste on the streets. 10%.</li> </ul>	Waste Storage depots and door door garbage collection.	<ul style="list-style-type: none"> <li>• Waste transported 5 qtl. Through 2 tipping trucks and 1 dumper placers. Compactors. Jeep 10 numbers.</li> <li>• Frequency of transportation of waste.</li> <li>• Daily 90% basis. Alternate 5 %.</li> <li>• Quantity of waste transported each day 4.5tpd.90 % waste transported daily.</li> </ul>	<ul style="list-style-type: none"> <li>• 4.5tpd quantity of waste land filled daily.</li> </ul>	<ul style="list-style-type: none"> <li>• 1 Number of dumpsite available with local body. Area of each such site for waste disposal 50sqm. Area of land currently used for waste disposal 50.00sq m. distance from city/town3.5km km .Distance from habitation 0.500km. Distance from water body 0.100km. Distance from national highway 1km. 4.5tpd quantity of waste landfilled each day.</li> </ul>

	<ul style="list-style-type: none"> <li>• Frequency of street sweepings and percentage of population Covered on daily 65%. Alternate days 25% and twice a week 5% occasionally 5 %.</li> <li>Tools used: Mechanical sweeping 100% Long handle broom handcraft/tricycle are used by sanitation workers.</li> </ul>					
Shri Naina devi jii	<ul style="list-style-type: none"> <li>• Population 1204.</li> <li>• Area 0.92 sq km.</li> <li>• Number of households in the 323 city/town.</li> <li>• Number of non-residential premises in the city 303.</li> <li>• Number of election/ administrative wards in the city/town 7.</li> <li>• Estimated Quantity of solid waste generated in the local body area 1MT.</li> <li>• Quantity of solid waste collected 1 MT.</li> <li>• Per capita waste collected 400 gm/day.</li> <li>• Tool Used:- Manuals sweeping 100%. Long handled broom used and handcart/tricycle is provided to workers and each sanitation worker is given handicraft/tricycle for collection of waste and the collection tools synchronizes with</li> </ul>	-----	<ul style="list-style-type: none"> <li>• Waste Storage depots in city/town 2 Nos of open waste storage site. 4 no's of covered metal plastic containers.</li> <li>• No. of bins placed: 40</li> <li>• Total volume of bins placed 4000 litre.</li> <li>• Total storage capacity of waste storage facilities 6640 litre.</li> <li>• Total waste actually stored at the waste storage depots daily 1000litres.</li> <li>• Frequency of collection of waste from the depots - Daily 40 no.</li> <li>• Storage depots have facility for storage</li> </ul>	<ul style="list-style-type: none"> <li>• Waste transported 1 trip through 1 no of tipping truck. Frequency of transportation of waste.</li> <li>• Daily 90% Alternate 10 %.</li> <li>• Quantity of waste transported each day 1.0 tpd.</li> <li>• 1000% of total waste transported daily.</li> </ul>	<ul style="list-style-type: none"> <li>• 1.5land available with the local body for waste processing.</li> <li>• 1.5 land currently utilized for waste processing.</li> <li>• Pit composting facility is under construction.</li> <li>• Composting : Quantity raw material processed 600 to 1500 kg/day.</li> <li>• Quantity of final produced: 30-40 kg/day. Quantity raw material</li> </ul>	<ul style="list-style-type: none"> <li>• Distance from habitation 0.100km. Distance from water body 2.5km. Distance from national highway 5.0km. distance from airport 100 km.</li> </ul>

	collection/waste storage containers utilized.		segregated waste in green, blue and black bins. <ul style="list-style-type: none"> <li>• Number of green bins: 20</li> <li>• Number of blue bins: 20</li> <li>• 100 % Lifting of solid waste from storage depots is manual.</li> </ul>		processed 20-50 kg/day/. <ul style="list-style-type: none"> <li>• Quantity final product produced and sent to ACC Barmana for co-processing.</li> </ul>	
<b>Ghumarwin</b>	<ul style="list-style-type: none"> <li>• Population 7899.</li> <li>• Area in sq. kilometers 6.02.</li> <li>• Number of households in the city/town 2200. Number of non-residential premises in the city 850.</li> <li>• Number of election/administrative wards in the city/town 7.</li> <li>• Quantity of solid waste generated in the local body area 2.25 MT.</li> <li>• Quantity of solid waste collected per day 2.25/tpd</li> <li>• 7 Number of wards covered in D2D collection of waste.</li> <li>• No of Non-residential premises including commercial establishment, Hotels, restaurants, educational institutions/offices etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Frequency of street sweeping and % of population covered Daily 70%, alternate day 20% twice a week 10 %.</li> </ul>	The city is dustbin free.	<ul style="list-style-type: none"> <li>• Waste transported through 1 no if tractor, tipper and three wheeler 2 nos.</li> </ul>	--	Solid waste disposal facility :- JCB is provided at landfill site. Landfill is covered on alternative days and the material is used is soil.

	<p>covered approximately 850.</p> <ul style="list-style-type: none"> <li>• Containerized tricycle/handcraft 20%.</li> <li>• Length of roads 7.500km, streets 2.500 km, Lanes 3.500 k.m.</li> </ul>					
<b>NP Talai</b>	<ul style="list-style-type: none"> <li>• Population 2372.</li> <li>• Area in sq. kilometers 2.89</li> <li>• Number of households in the city/town 600</li> <li>• Number of non-residential premises in the city .</li> <li>• Number of election/ administrative wards in the city/town 7.</li> <li>• Quantity of solid waste generated in the local body area 1 MT</li> <li>• Quantity of solid waste collected per day 1MT. per capital waste collected per day 280/gm/day.</li> <li>• Door to door to collection of solid waste is being done in the city/town.</li> <li>• Number to wards covered in Door to Door collection of waste 7.</li> <li>• No of household covered 600.</li> <li>• No of Non-Residential premises including commercial establishments, hotels, restaurants educational</li> </ul>	Not available.	----	<ul style="list-style-type: none"> <li>• Waste transportation per day through 1 private tractor and 1 number of tipping truck.</li> <li>• Frequency of transportation of waste daily 90 % and alternate 10 % .waste transported each day 0.90 ton.</li> <li>• 90% of total waste transported daily.</li> </ul>	<ul style="list-style-type: none"> <li>• solid waste is processed</li> <li>• Quantity of waste processed 09 ton.</li> <li>• Land available with the local body for waste processing 0.289 hectare and in operation.</li> </ul>	<ul style="list-style-type: none"> <li>• Land availability is 0.289 hectare</li> <li>• Solid waste disposed at dump site 0.9 MT/D.</li> <li>• Land currently used by local body 5000 sq feet.</li> <li>• Distance from city 1 km.</li> <li>• Distance from nearest habitation 0.500 km</li> <li>• Distance from water body 1 km.</li> </ul>

	<p>institutions/offices etc. covered 350.</p> <ul style="list-style-type: none"> <li>• % of residential and Non-residential premises covered in door to door collection through: <p>Motorized vehicle: 50%. And containerized tricycle/handcraft 30%. Other device: 20%.</p></li> <li>• Length of streets, lanes, bye-lanes in the city that need to be cleaned 20km.</li> <li>• Frequency of streets sweeping and percentage of population covered 70% daily. Alternate 15% .Twice a week 10. Occasionally 5.</li> <li>• Tool used 100% Manual sweeping. long handed broom used by sanitation workers</li> </ul>					
<b>M.C Mandi</b>	<ul style="list-style-type: none"> <li>• Population 26500.</li> <li>• Area in sq. kilometers 4.26 km.</li> <li>• Number of households in the city/town, 8500. No of non-residential 6800</li> <li>• Number of election/administrative wards in the city in 13.</li> <li>• Quantity of solid waste</li> </ul>	<ul style="list-style-type: none"> <li>• Segregation of solid waste at source:</li> <li>• solid waste is stored at source in domestic/commercial/institutional bins.85%of household practice storage of waste at source in domestic</li> </ul>	<ul style="list-style-type: none"> <li>• Total waste actually stored at the waste storage depots 12 tpd.</li> <li>• Lifting of solid waste from storage depots: Manual Lifting of solid waste 50%.</li> </ul>	<ul style="list-style-type: none"> <li>• Waste transportation per day through 1 tractors, 1 jcb/loader, 1 tippSsssing trucks, and other 13.Frequency of transportation of waste daily.</li> </ul>	<ul style="list-style-type: none"> <li>• Combustible waste supplied to cement plant 4.00.</li> </ul>	<ul style="list-style-type: none"> <li>• Site available for waste disposal 0.538 hectare.</li> <li>• Distance from city 6km. Distance from habitation 2km Distance from water body 0.500 km</li> </ul>

	<p>generated in the local body area 24 MT/day. Quantity of solid waste collected 22 tpd Per capita waste collected 0.127.</p> <ul style="list-style-type: none"> <li>• Door to Door Collection of solid waste in 13 wards. 100 % residential and non-residential premises covered in door to door collection.</li> <li>• Frequency of street 100% daily</li> <li>• Tools used: Manual sweeping-100%</li> <li>• long handed broom used by sanitation workers and each sanitation worker is given handcraft/tricycle for collection of waste and the handcraft/tricycle is containerized and the collection tool synchronizes with collection/waste storage containers utilized.</li> </ul>	<p>bins.87% of non-residential premises practice storage of waste at commercial/institutional bins.5% Of household disposed or throw solid waste on the streets.42% of premises segregating the waste at source.</p>	<p>Mechanical lifting of solid waste 50%.</p>	<p>Quantity of waste transported 19 tpd.</p> <ul style="list-style-type: none"> <li>• 80% total waste transported daily</li> </ul>		<p>Distance from national highway 200 km distance from airport 50 km</p> <ul style="list-style-type: none"> <li>• Quantity of waste land filled each day tpd. Landfill site is fenced.</li> </ul>
<b>SunderNagar</b>	<ul style="list-style-type: none"> <li>• Population 24344.</li> <li>• Area in kilometers 12.06sq km.</li> <li>• 6698 Number of households in the city/town.</li> <li>• 13 Number of election/administrative wards in the city/town.</li> </ul>	<ul style="list-style-type: none"> <li>• Segregation at source is not done.</li> </ul>	<ul style="list-style-type: none"> <li>• Underground Dustbins for storage.</li> </ul>	<ul style="list-style-type: none"> <li>• Trip made for Waste transportation through 7 tractor, 4 compotators and side boot truck underground</li> </ul>	<ul style="list-style-type: none"> <li>• Quantity of solid waste processed 6/tpd</li> </ul>	<ul style="list-style-type: none"> <li>• Land is available with the local body with processing and waste processing facility in operation.</li> </ul>

	<ul style="list-style-type: none"> <li>• Estimated Quantity of solid waste generated in the local body area per day in metric tons 12/tpd.</li> <li>• Quantity of solid waste collected per day 9/tpd.</li> <li>• Per capita waste collected per day 350/gm/day.</li> <li>• Door to door collection (D2D) of solid waste is being done in the city/town.</li> <li>• 102 No of non-residential premises including commercial establishment, hotels, restaurants, educational institutions/offices etc.</li> <li>• Length of roads, streets, lanes, bye-lanes in the city Kuchha road-23725 and Pucca road-1950.</li> <li>• 100% Manual sweeping/</li> <li>• long handle broom used by sanitation workers each sanitation worker is given handcart/tricycle for Collection of waste. And handcraft/tricycle is containerized.</li> </ul>			<ul style="list-style-type: none"> <li>• dustbins.</li> <li>• Quantity of waste transported each day 9 ton and</li> <li>• 75% of total waste transported daily.</li> </ul>		<ul style="list-style-type: none"> <li>• 24 ton plastic waste supplied o cement plant. One number of dumpsite available. 4 bigga of area available and currently used for waste disposal. Distance from city 2 km. Distance form habitation 0.5 km .Distance from national highway 0.5km distance from airport 50 km .Lighting facility is available on site .</li> </ul>
M.C Nerchowk	<ul style="list-style-type: none"> <li>• Population 16305.</li> <li>• Area in sq. kilometers 14.84.</li> <li>• Number of households in the city/town 5000. Number of election/ administrative wards in the city in 11.</li> <li>• Estimated Quantity of</li> </ul>	<ul style="list-style-type: none"> <li>• Solid Waste segregation of waste at source has been started in all wards and awareness is been conducted</li> </ul>	<ul style="list-style-type: none"> <li>• 6 covered metals/Plastic containers.</li> </ul>	<ul style="list-style-type: none"> <li>• Waste transported through 2 tractors.</li> <li>• Frequency of transportation of waste Daily 100%, Quantity of waste</li> </ul>	--	<ul style="list-style-type: none"> <li>• Waste is currently transported to M.C Mandi site.</li> </ul>

	<p>solid waste generated in the local body area 10tpd.</p> <ul style="list-style-type: none"> <li>Quantity of solid waste collected 7 tpd.</li> <li>Per capita waste collected 350 gm/day</li> <li>Door to Door Collection of solid waste in 11wards and No. of households covered. 5000</li> <li>No. of non-residential premises including commercial establishments ,hotels, restaurants educational institutions 600</li> <li>Non-residential premises covered in door to door collection through: Containerized: motorized vehicle 100%.</li> <li>Frequency of street sweepings 100% daily by Manual sweeping 100%</li> <li>Tools used. Long handle broom used by sanitation workers.The collection tool synchronizes with collection/ waste storage containers utilized.</li> </ul>			transported each day 7 tpd. 70% of total waste transported daily.		
N.P Sarkhaghat	<ul style="list-style-type: none"> <li>Population 5433.</li> <li>Number of households in the city/town, 1184. Number of election /administrative in 7 wards in the city and town.</li> </ul>	<ul style="list-style-type: none"> <li>95% household and non-residential premises practice stored of waste at source in commercial.</li> <li>No solid waste is</li> </ul>	<ul style="list-style-type: none"> <li>Waste is stored in gunny bags at selected location away from habitation in every wards till the arrival of vehicle.</li> </ul>	<ul style="list-style-type: none"> <li>Waste transported through 2-3 non tipping truck.</li> <li>Quantity of waste each day 1.5 tpd.</li> </ul>	Not being processed	<ul style="list-style-type: none"> <li>Land available 2 bigga with the local body for waste processing.</li> <li>2 bigga land currently used for waste dispos</li> </ul>

	<ul style="list-style-type: none"> <li>Quantity of solid waste generated in the local body area 2 tpd.</li> <li>Per capita waste collected 1.5gm/day.</li> <li>Door to Door Collection of solid waste in all 7 wards.</li> <li>Door to door collection through:</li> <li>Containerized tricycle/handcraft 50% and other devices 50 %.</li> <li>Manual sweeping 100%</li> <li>long handle broom used by sanitation workers.</li> </ul>	segregated at source.	<ul style="list-style-type: none"> <li>Total waste actually stored at the waste storage depots 1.5 tons.</li> <li>Frequency of collection of waste from the depots daily.</li> <li>Whether lifting of solid waste from storage is manual 100% of lifting of solid waste.</li> </ul>	<ul style="list-style-type: none"> <li>75-80% of total waste transported daily.</li> </ul>		<ul style="list-style-type: none"> <li>al.</li> <li>Distance from city 2 Km</li> <li>Distance from habitation 0.5 km</li> <li>Quantity of waste landfill each day 1.5 tpd.</li> </ul>
N.P Jogindenagar	<ul style="list-style-type: none"> <li>Population 5337.</li> <li>Area in sq kilometers 4.89.</li> <li>Number of households in the city/town 1268.</li> <li>No of non-residential nil</li> <li>Number of election/administrative wards in the city in 7.</li> <li>Estimated Quantity of solid waste generated 1ton per day.</li> <li>Quantity of solid waste collected per day 1tpd.</li> <li>Per capita waste collected 10 qtl.</li> <li>Door to Door Collection of solid waste in 4 wards.</li> <li>Number of household covered 200.</li> <li>% of residential and non-residential premises</li> </ul>	--	<ul style="list-style-type: none"> <li><b>Secondary Waste storage facilities:</b></li> <li>Up to 1.1m<sup>3</sup> 12 nos.</li> <li>No of bins placed 12 nos.</li> <li>Number of bins cleared in all wards.</li> </ul>	<ul style="list-style-type: none"> <li><b>Type and Number of vehicles used.</b></li> <li>1 No tipper Truck.</li> <li>Frequency of transportation of waste 90%.</li> <li>Quantity of waste transported 1 ton.</li> </ul>	<ul style="list-style-type: none"> <li>solid waste processed daily.</li> <li>Quantity of waste processed daily 1 tons.</li> </ul>	<ul style="list-style-type: none"> <li>Land available with the local body 8.16 bighas.</li> <li>Distance from city 10 km.</li> <li>Distance from state/national highway 500 m.</li> <li>landfill site is fenced</li> </ul>

	<p>covered in door to door collection through: Motorized vehicle- 20%.</p> <ul style="list-style-type: none"><li>• Containerized tricycle /handcart 17%</li><li>• 5.0 Km length of road, streets, lanes in the city Frequency of street sweepings 100% , daily-</li><li>• Tools used Manual sweeping-100% Long handle broom used by sanitation worker and each sanitation worker is given handcraft/tricycle for collection of waste. The collection tool synchronizes with collection/ waste storage container utilized.</li></ul>					
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<p><b>N.P</b> <b>Rewalsar</b></p>	<ul style="list-style-type: none"> <li>• Population 1821.</li> <li>• Area in sq. kilometers 3.97.</li> <li>• Number of households in the city/town 500.</li> <li>• No of non-residential 36.</li> <li>• Number of election/administrative wards in the city in 7.</li> <li>• Estimated Quantity of solid waste generated 1 /tpd.</li> <li>• Quantity of solid waste collected per day 0.80 tpd.</li> <li>• Per capita waste collected 350 gm/day.</li> <li>• Door to Door Collection and. 7 nos. of wards, 500 no of household and 436 non-residential premises including commercial establishment, hotels, restaurant, educational institutions/office etc. covered.</li> <li>• Door to door garbage collection by street sweeping has been transported to MC Ma and dumping site.</li> <li>• 10 % of household practice storage of waste at source in domestic bins and 6% of Nonresidential premises practice storage of waste at source in commercial/institutional bins, 5% household</li> </ul>	<ul style="list-style-type: none"> <li>• Segregation of waste at source has been started in all wards and awareness is being conducted.</li> </ul>	<ul style="list-style-type: none"> <li>• Secondary waste storage facilities covered metals /plastics containers 11.no and types of waste storage in the city upto 1.1 metre cube bins 24. And 2 to 5 metre cube in 24 bins.</li> </ul>	<ul style="list-style-type: none"> <li>• Waste is transported through 2 tractors.</li> <li>• Frequency of transportation waste daily 100%.</li> <li>• 0.80/tpd Quantity of waste transported each day.</li> <li>• 80% of total waste transported daily.</li> </ul>	<p>----</p>	<ul style="list-style-type: none"> <li>• No Land is available.</li> <li>• All the Garbage collected by street sweeping has been transported to MC Mandi dumpsite.</li> </ul>
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	<p>dispose or throw solid waste on the streets and 3% of Non-residential premises dispose on throw solid waste in the streets.30% of premises segregating the waste at source</p> <ul style="list-style-type: none"> <li>• Percent of residential and non-residential premises covered in door to door collection through : Motorized vehicle-100%. Other devices 100%.</li> <li>• 7 km Length of roads, streets, lanes, bye-lens in the city that need to be cleaned.</li> <li>• Frequency of street sweepings and percentage of population covered Daily 100%.</li> <li>• Tools used: Manual sweeping: 100%.</li> <li>• long handle broom used by sanitation workers the collection tool synchronizes with collection/ waste.</li> </ul>					
N.P Karsog	<ul style="list-style-type: none"> <li>• Population 3208.</li> <li>• Number of households in the city/town 850.</li> <li>• No of non-residential 300.</li> <li>• Number of election/ administrative wards in</li> </ul>	Not being segregated.	---nil---	---nil---	Not being processed	---nil---

	<p>the city in 5/7.</p> <ul style="list-style-type: none"> <li>8 Km length of road, streets, lanes in the city</li> </ul>					
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<p><b>Kullu</b></p>	<ul style="list-style-type: none"> <li>Population 18536.</li> <li>Area 6.68 sq. km.</li> <li>Number of households in the 4888 city/town. Number of non-residential premises in the city 1240.</li> <li>Number of election/administrative wards in the city/town 11.</li> <li>Estimated Quantity of solid waste generated in the local body area per day 8-9/mtpd.</li> <li>Quantity of solid waste collected 8-9/mtpd.</li> <li>Quantity of solid waste disposed at dumpsite/landfill 4-5/mtpd.</li> <li>100% of household practices storage of waste at source in domestic bins and 100% of Non-residential premises practice storage of waste at source in commercial/institution bins, 10% of household dispose or throw solid waste in the streets.</li> <li>Tool Used:-Manuals sweeping 100%.</li> </ul>	<p>Not being segregated.</p>	<ul style="list-style-type: none"> <li>Cement concrete cylinder bins and Covered metal/plastic containers used.</li> <li>No. of bins placed 11.</li> <li>Lifting of solid waste from storage depots 100% manually.</li> </ul>	<ul style="list-style-type: none"> <li>Waste transported 2-3 trip/day through jeep and four wheelers. Frequency of transportation of waste daily.</li> <li>Quantity of waste transported 8-9/tpd.</li> <li>99 % waste transported daily.</li> </ul>	<ul style="list-style-type: none"> <li>Waste treatment by bacterial decomposing technology.</li> <li>quantity of solid waste processed daily 8-9tpd.</li> <li>The Old SWM compositing as per Hon'ble N.G.T order and new site selected at peej panchayat and FRC NOC status is awaited from peej panchayat (10 Bighas)..</li> </ul>	<ul style="list-style-type: none"> <li>1 no of dumpsite available with the local body.</li> <li>Distance from city 1 km. distance from habitation 500 mtr. Distance from water body 1km . falls in flood prone area, falls in earthquake fault line area, landfill site is fenced.</li> </ul>
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	<ul style="list-style-type: none"> <li>• long handled broom used and handcart/tricycle is provided to workers and handcart/tricycle is containerized.</li> <li>• Door to Door Collection of solid waste in 11 wards.</li> <li>• Number of household covered 4888.</li> <li>• No. of non-residential premises including commercial establishments, hotels, restaurants educational institutions/offices etc covered 1240 nos. Motorized vehicle 30%.handcraft/tricycle 60%, other devices 10%. Length of roads 10.581 km streets 13.738 and drains 24.319 km.</li> <li>• Frequency of street sweepings and percentage of population Covered on daily 100%.</li> </ul>					
MC Manali	<ul style="list-style-type: none"> <li>• Population 8095.</li> <li>• Area 3.5sq km.</li> <li>• Number of households in the 2106.</li> <li>• Estimated Quantity of solid waste generated in the local body area per</li> </ul>	Not being segregated	Total waste actually stored at the waste storage depots and site handed over to company M/s Nextgen Chemicals to install waste to energy plants.	<ul style="list-style-type: none"> <li>• Waste transported per day through 1 nos. of dumper place 1 trip 14 Nos vehicles refuse</li> </ul>	<ul style="list-style-type: none"> <li>• solid waste processed daily.</li> <li>• Quantity of waste</li> </ul>	<ul style="list-style-type: none"> <li>• 1 Number of dumpsite available with the local body.</li> <li>• 1 Number of sanitary landfill sites available with the local body.</li> <li>• Distance from city 1.0</li> </ul>

	<p>day 35 tpd.</p> <ul style="list-style-type: none"> <li>Quantity of solid waste collected 14tpd.</li> <li>Tool Used: - Manuals sweeping 100%.</li> <li>long handled broom used and handcart/tricycle is provided to workers and the collection tool synchronizes with collection/waste storage containers utilized.</li> <li>Door to Door Collection of solid waste is being done in the city up to from 2004-2005</li> <li>Percentage of residential and non-residential premises covered in door to door collection through : Motorized vehicle 80%.handcraft/tricycle and containerized 20%.</li> <li>Length of roads 16 km Frequency of street sweepings and percentage of population.</li> <li>Covered on daily 100%. Tools used:</li> </ul>			<p>collector and 1 NO (ROBOT).</p> <ul style="list-style-type: none"> <li>Quantity of waste transported 35MT Tourist season and 12 MT during off Tourist season.</li> </ul>	<p>processing plant initially to setup waste to energy plant on PPP Basis.</p> <ul style="list-style-type: none"> <li>Land available with the local body for waste processing 1.5 Bigga.</li> </ul>	<p>km .distance from habitation 500 mtr. Distance from water body 5 mtr.</p> <ul style="list-style-type: none"> <li>it falls in flood prone area and its fall in earthquake fault line area.</li> <li>Quantity of waste landfill each day 35 MT seasonally and 12 MT off seasonally.</li> </ul>
NP Bhunter	<ul style="list-style-type: none"> <li>Population 4833.</li> <li>Area 4.505sq km.</li> <li>Number of households in the 1069.</li> <li>Non-residential area 400</li> </ul>	--	<p><b>Waste storage facility:</b></p> <ul style="list-style-type: none"> <li>Up to 4 m<sup>3</sup> covered metals/plastic containers.</li> <li>Total storage capaci</li> </ul>	<ul style="list-style-type: none"> <li><b>Waste transported:</b></li> <li>Frequency of transportation of waste daily.</li> <li>Quantity of waste</li> </ul>	<ul style="list-style-type: none"> <li>Upto dec 2018 solid waste proces</li> </ul>	-----

	<p>election/administrative wards 7.</p> <ul style="list-style-type: none"> <li>• Estimated Quantity of solid waste generated in the local body area per day 2.18 mtpd.</li> <li>• Quantity of solid waste collected 2.18 mtpd.</li> <li>• Quantity of solid waste collected per day 2.18 mtpd.</li> <li>• <b>Door to Door</b> Collection of solid waste is being done in the city all 7 wards are covered under D2D.</li> <li>• <b>Percentage of residential</b> and non-residential premises covered in door to door collection through : <ul style="list-style-type: none"> <li>• Motorized vehicle 30%.handcraft/tricycle and containerized 50% and others 20 %.</li> <li>• Frequency of street sweepings and 100 % of population Covered on daily basis.</li> <li>• <b>Tools used:</b> Manual sweeping 80%. long handed broom used by the sanitation worker.</li> </ul> </li> </ul>		<p>ty of waste storage facility in 36 m3.</p> <ul style="list-style-type: none"> <li>• Frequency of collection of waste from the depots daily 9 bins.</li> <li>• Lifting of solid waste from storage depots.</li> </ul> <p>Manual sweeping: 100%</p>	<p>transported 2.18 mt.</p> <ul style="list-style-type: none"> <li>• Quantity of waste transported 2.18 mt daily.</li> <li>• 100 % of total waste transported daily.</li> </ul>	<p>sed at SWM prindi( At prindi maintained by MC kullu.</p>	
NP Banjar	<ul style="list-style-type: none"> <li>• Population 1414.</li> <li>• Area 2200 sq.km.</li> <li>• Number of households in the 617.</li> </ul>	<p>Storage depots have facility for storage of segregated waste in- Green bins- 22-</p>	<ul style="list-style-type: none"> <li>• Waste Storage depots in the city/town–open waste storage sites,</li> </ul>	<ul style="list-style-type: none"> <li>• Waste transported per day through by 1 jeep and number of trips</li> </ul>	<ul style="list-style-type: none"> <li>• solid waste processed</li> </ul>	<ul style="list-style-type: none"> <li>• 1 number of dumpsite available with the local body.</li> <li>• Distance from city 1</li> </ul>

	<ul style="list-style-type: none"> <li>• Non-residential area 120 election/administrative wards 7.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 0.6 ton.</li> <li>• Quantity of solid waste collected 0.6 ton.</li> <li>• Per capital waste collected 1 kg/day /landfill 40 kg.</li> <li>• D2D Collection of solid waste is being done in the city in all 7 wards.</li> <li>• Number of household covered 975.</li> <li>• No of Non-residential premises including commercial establishments, hotels, restaurants, educational institutions/offices etc. covered 750(5 hotels,10 institutions, 20 offices.</li> <li>• 100 % Percentage of residential and non-residential premises in door to door collection through: Motorized vehicle 50% Containerized tricycle/handcraft 20% Other devices 30%. Sweeping of streets 1tpd.</li> <li>• <b>5.50 km Length of roads</b>, street, lanes in the city</li> </ul>	<p>30.Blue bin -20</p>	<p>covered metals/plastic container and up to 1.1 m<sup>3</sup> bins are used as second waste storage facility. Bin population ratio is 50%.</p> <ul style="list-style-type: none"> <li>• Frequency of collection of waste from the depots.</li> <li>• Number of bins cleared 30bins daily.</li> <li>• Storage of depots have facility for storage of segregated waste in number of green bids: 10 and number of blue bids: 10</li> <li>• lifted from door to door and transported to treatment plant directly in a segregated from.</li> </ul>	<p>made 2 day.</p> <ul style="list-style-type: none"> <li>• Frequency of transportation of waste 100% daily.</li> <li>• Quantity of waste transported each day 0.6tpd.</li> <li>• 100 % total waste transported daily.</li> </ul>	<p>daily.</p> <ul style="list-style-type: none"> <li>• 0.6 ton quantity of waste processed daily.</li> <li>• the treatment is done by the local body or through an agency .</li> <li>• Composting: 0.35 quantity raw material processed and quantity of final product produced.</li> </ul>	<p>km .distance from habitation 1km.Distance from water body 50 m. and distance from national highway 20m.</p> <ul style="list-style-type: none"> <li>• the landfill site is fenced and the covering is done on daily basis.</li> </ul>
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	<ul style="list-style-type: none"> <li>Frequency of street sweepings and 90 % of population Covered on daily basis.</li> <li><b>Tools used:</b></li> <li>Manual sweeping 90%.</li> </ul>					
MC Una	<ul style="list-style-type: none"> <li>Population 18722.</li> <li>Area:3.97 Sq.km</li> <li>Number of households in the 3900.</li> <li>Number of non-residential premises in the city 2790.</li> <li>Number of election/administrative wards in the city/town 11nos.</li> <li>Estimated Quantity of solid waste generated in the local body area per day 4.80 mt/d .Quantity of solid waste collected 4.80 mt/d.</li> <li>Per capita waste collected per day 228gm/day.</li> <li>Quantity of solid waste processed 0.30/tpd.</li> <li>Quantity of solid waste disposed at dumpsite/landfill.</li> <li><b>Door to Door-</b> D2D Collection of solid waste is being done in the city in all wards.</li> <li><b>Percentage of residential and non-residential premises</b></li> </ul>	--	<ul style="list-style-type: none"> <li><b>Waste Storage depots</b> in the city/town –</li> <li>20 no's covered metals/plastic containers. 20 nos. up to 1.1 m<sup>3</sup> bins <b>Lifting of solid</b> waste from storage depots is 100 % by manual.</li> </ul>	<b>Waste transported</b> <ul style="list-style-type: none"> <li>3 no's and 1trips per day through tractors and 4.50 waste transported per day.</li> <li>Frequency of transportation of waste 80% daily. Alternate day 15%, twice a week 2%, once a week 2%, occasionally 1%. Quantity of waste transported each day 4.50 mt. 100% of waste transported daily.</li> </ul>	<b>Solid Waste Management facilities.</b> 1 no.of dumpsite and 30 nos. of sanitary landfill sites are available with local body.	<ul style="list-style-type: none"> <li><b>Land available</b> with the local body for waste processing is 13 kanal. 13 kanals land currently utilized for waste processing .1 no of dumpsite is available 2.00 kanals area of each such sites available for waste disposal. 2.00 kanals.</li> <li><b>Distance</b> from city 7 km. distance from habitation 3 km. Distance from water body 2.00 kms.5 kms. From national highway.</li> <li>Falls in flood prone area and landfill facility is available.</li> </ul>

	<p>covered in door-to-door collection through Containerized / handcraft/tricycle and containerized 100%. Sweeping of street is done daily.</p> <ul style="list-style-type: none"> <li>• <b>Tools used:</b></li> <li>• Manual sweeping 100%. all facilities are provided such as long handle broom, handcart/tricycle tool synchronizes etc.</li> </ul>					
<p><b>MC Santokhgarh</b></p>	<ul style="list-style-type: none"> <li>• Population 9363. Area 2.83 sq km . Number of households 2000. Non-residential area 606 and election/administrative wards 9.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 3.00 tpd .Quantity of solid waste collected 3.00 tpd</li> <li>• tpd. Per capital waste collected 250 gm/day.</li> <li>• Quantity of solid waste processed 0.2/tpd.</li> <li>• <b>Door to Door:</b> - D2D Collection of solid waste is being done in the city in 9 wards. 1200 nos. of households are covered and 50 nos. of non-residential premises in including commercial establishments, hotels</li> </ul>	<ul style="list-style-type: none"> <li>• Segregation at dumpsite.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste Storage depots</b> in the city/town – 2 open waste storage sites.</li> <li>• Total storage capacity of waste facilities in 204 m3.</li> <li>• Total waste actually stored at the waste depots daily 3.00tpd.</li> <li>• Number of bins cleared daily 80%, Alternate days 10%, twice a week 10%.</li> <li>• Lifting of solid waste from storage is manual or mechanical: 100% of Manual lifting of solid waste.</li> </ul>	<p><b>Waste transported:</b></p> <ul style="list-style-type: none"> <li>• 6 number of trips made Through 1 tractor. And 1 tipping truck and other tampos.</li> <li>• Quantity of waste transported each day 3.00tpd.</li> <li>• 100% of total waste transported daily.</li> </ul>	<p><b>Solid Waste Management facilities.</b></p> <p>No treatment plant <b>Equipmen t</b> used at landfill site and JCB is available. Soil is used as covering material</p>	<ul style="list-style-type: none"> <li>• Quantity of solid waste disposed at dumping site /landfill 2.80/tpd.</li> <li>• <b>land available</b> 1 number of dumpsite available with the local body And number of sanitary landfill site available with the local body.1020.00 area of each such sites available for waste disposal . 1020.00 area of land currently used for waste disposal.</li> <li>• <b>Distance</b> from city 2.00km .distance from habitation 2.00 Distance from water body0.50 kms..0.50 kms. from national highway. 110 km quantity of waste</li> </ul>

	<p>restaurants educational insitutions/offices covered. .</p> <ul style="list-style-type: none"> <li>• <b>Percentage of residential</b> and non-residential premises covered in door to door collection through 25 % motorized vehicle.75% containerized tricycle/handcraft.</li> <li>• <b>17 km Length of roads,</b> street, lanes in the city.</li> <li>• Frequency of street sweepings and 80 % of population Covered on daily basis, 10% alternate days, 10% twice a week.</li> </ul> <p><b>Tools used:</b></p> <ul style="list-style-type: none"> <li>• Mechanical sweeping 100%. long handle broom and handcart/tricycle are provided to sanitary workers.And the collection tool synchronizes with collection /waste storage containers utilized.</li> </ul>					landfill each day 5.00 tpd. landfill is fenced, bridge facility is available.
<b>N.P Daulatpur.</b>	<ul style="list-style-type: none"> <li>• Population 3763.</li> <li>• Area 5.083 sqm.</li> <li>• Number of households in the 853 Non-residential area 660 election/administrative wards 7.</li> <li>• Estimated Quantity of</li> </ul>	Not being segregated	<ul style="list-style-type: none"> <li>• <b>Waste Storage depots</b> in covered metals/plastic material 40 in numbers.</li> <li>• Number of bins cleared 50.</li> </ul>	<b>Waste transported</b> through 1 tractors, and 1 tipping truck. Frequency of transportation of waste daily.	<b>Solid Waste Management facilities.</b> 1 number of dumpsite	<ul style="list-style-type: none"> <li>• Quantity of solid waste disposed at dumping site /landfill 2.90/t</li> <li>• 1 number of dumpsite <b>Distance</b> from city 3.0 km .distance from habitation 0.50km.</li> </ul>

	<p>solid waste generated in the local body area per day 2.90 tpd.</p> <ul style="list-style-type: none"> <li>Quantity of solid waste collected 2.90 tpd.</li> <li><b>Door to Door: - D2D</b> Collection of solid waste is being done in the city in 2 wards. 250 nos. of households are covered and 660 nos. of non-residential covered.</li> <li><b>12.20 km Length of roads,</b> street, lanes in the city <b>Tools used:</b></li> <li>Mechanical sweeping 90%.</li> <li>long handle broom used by the sanitation worker and each sanitation worker is given handcraft/tricycle for collection of waste and the handcraft/tricycle is containerized.</li> </ul>				<p>available with the local body 1900 sqmetre area for waste disposal site</p> <p><b>Equipmen</b>t used at landfill site bulldozer and compacters available . soil is used at covering material at disposal site.</p>	
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Gagret	• Population 3850.	Not being	• Waste Storage	• Waste	Not being processed	• 1 Number of
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	<ul style="list-style-type: none"> <li>• Area 3.80 sq. km.</li> <li>• Number of households in the 888.</li> <li>• Non-residential area 545 and election/administrative wards 7.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 3tpd.</li> <li>• Quantity of solid waste collected 2.9 tpd.. <b>Door to Door:-</b> D2D Collection of solid waste is being done in the city in 2 wards. 275 nos. of households are covered and 240 nos. of non-residential covered. . sweeping of streets :</li> <li>• 9.80km Length of roads, street, lanes in the city.</li> <li>• Frequency of street sweepings 80 % .Twice a week 18%.</li> <li>• Tools used: Mechanical sweeping 90%. handle broom and handcart/tricycle for collection of waste.</li> </ul>	segregated.	<p><b>depots:</b></p> <ul style="list-style-type: none"> <li>• 69 up to 1.1 m3 bins.</li> <li>• 5 Up to 1.5 to 2 m3</li> <li>• Nos. of bins placed 79.</li> </ul>	<p><b>transported.</b></p> <p>Through 1 tractors, and 1 tipping truck.</p> <ul style="list-style-type: none"> <li>• Frequency of transportation of waste 96%.</li> <li>• Quantity of waste transported daily 2.90/tpd.</li> </ul>		<p>dumpsite available with the local body.</p> <ul style="list-style-type: none"> <li>• Distance of dumpsite/landfill facility from the city/town 3.50 kms.</li> </ul>
N.P Mehatpur.	<ul style="list-style-type: none"> <li>• Population 9128.</li> <li>• Area 3.80 sq km.</li> <li>• Number of households in the city 2012.</li> <li>• Number of Non-residential premises in the city 600.</li> <li>• No of election/administ</li> </ul>	--	--	<ul style="list-style-type: none"> <li>• <b>Waste transported.</b></li> <li>• No of trips made twice a week. Through 2 tippers per/day. Frequency of transportation of</li> </ul>	<ul style="list-style-type: none"> <li>• Solid waste processed daily.</li> <li>• Quantity of waste processed daily 0.5/tpd.</li> <li>• Land available with the local body for waste</li> </ul>	<ul style="list-style-type: none"> <li>• Distance from the city 10km.</li> <li>• Distance from habitation 2km.</li> <li>• Distance from water body 1 km.</li> <li>• it fall in flood prone area.</li> </ul>

	<p>rative wards 9.</p> <ul style="list-style-type: none"> <li>• Estimated Quantity of solid waste generated in the local body area per day 4.5tpd.</li> <li>• Quantity of solid waste collected 3.6 tpd.</li> <li>• Per capita waste collected 390 gm/day.</li> <li>• Frequency of street sweepings of population Covered on daily basis 60% 20% of alternate days. 15 % twice a week. 5% occasionally.</li> <li>• <b>Tools used:</b> Manual 100%. long handed broom used by the sanitation workers and each sanitation worker is given handcraft/tricycle for collection of waste and the collection tool synchronizes with collection/waste storage containers utilized.</li> </ul>			<p>waste daily.</p> <ul style="list-style-type: none"> <li>• Quantity of waste transported each day 3.8/tpd.</li> </ul>	<p>processing 4 canal at M.C santokhgarh.</p> <ul style="list-style-type: none"> <li>• Land currently utilized for waste processing 1.5 canal.</li> </ul>	
<p><b>N.P Tahliwal.</b></p>	<ul style="list-style-type: none"> <li>• Population 3565.</li> <li>• Area 7.5km.</li> <li>• Number of households in the 965.</li> <li>• Number of non-residential premises in the city 425.</li> </ul>	--	No secondary waste storage facility.	<ul style="list-style-type: none"> <li>• <b>Waste transported through</b> tractor, 1 trip per day.</li> <li>• Quantity of waste transported 1.3/tpd.</li> </ul>	<p>Land available with the local body for waste processing 0.423</p>	<ul style="list-style-type: none"> <li>• <b>land available</b> 0.423 hect.Land available with local body. The site is 1.5 km away from city/town.</li> <li>• <b>Distance</b> from city 2 km.distance from</li> </ul>

	<ul style="list-style-type: none"> <li>• Number of non-residential area and election/administrative wards 7.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 1.5 tpd.</li> <li>• Quantity of solid waste collected 1.3tpd.</li> <li>• Per capital waste collected 365 gm/day.</li> <li>• Quantity of solid waste disposed at dumping site /landfill 1.3/tpd.</li> <li>• <b>Door to Door:-</b> D2D Collection of solid waste is being done in the city in 7 wards. 380nos. of households are covered and 180 nos. of non-residential covered.</li> <li>• <b>Percentage of residential</b> and non-residential premises covered in door to door collection through containerized tricycle/handcraft 60%.</li> <li>• <b>17 km Length of roads,</b> street, lanes in the city.</li> <li>• Frequency of street sweepings and 30 % of population Covered on daily basis. And 20% alternate days, twice a week 20%, occasionall</li> </ul>			<ul style="list-style-type: none"> <li>• 100% total waste transported daily.</li> </ul>		<p>habitation 1 km. Distance from water body 2 kms. Highway 0.8 Km</p>
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	<p>y 30%.</p> <ul style="list-style-type: none"> <li>• <b>Tools used:</b></li> <li>• Manual sweeping 100%.</li> <li>• long handed broom used by the sanitation worker and each sanitation worker is given handcra<sup>t</sup>/tricycle for collection of waste and the collection of tool synchronizes with collection/waste storage container utilized.</li> </ul>					
Hamirpur	<ul style="list-style-type: none"> <li>• Population 17604.</li> <li>• Area 5.24 sq km.</li> <li>• Number of households in the 4350.</li> <li>• Non-residential area 628 election/administrative wards 11.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 6 tpd.</li> <li>• Quantity of solid waste collected 4.5 tpd.</li> <li>• Quantity of solid waste disposed at dumping site /landfill 4/tpd.</li> <li>• Per capital waste collected per day 250 gm/day.</li> <li>• 0.5 tpd solid waste processed and 3.0tpd waste disposed at</li> </ul>	Not being segregated	<ul style="list-style-type: none"> <li>• <b>Waste Storage depots:</b> 83 numbers and waste storage capacity 330 m<sup>3</sup> in the city/town. 29 numbers of waste storage depots under up to 1.1 m<sup>3</sup> and 54 numbers are bin-free city.</li> <li>• Bin/population ratio 1:300</li> <li>• Lifting of SW from storage depots in 35% manual and 65% mechanical lifting with dumper. The method used</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste transported.</b> Through 30 hand pull carts, 1 tipping truck and 3 dumper placers, 4 refuse collector.</li> <li>• Quantity of waste transported 3.5 tpd.</li> </ul>	<p><b>Solid Waste Management facilities.</b> Composting technology is used and 0.5 quantity of waste processed daily.</p>	<p><b>land available</b> 1 number of dumpsite available with the local body . 0.65 hectare Area of each such site available for waste disposal and 0.65 hectare. <b>Distance</b> from city 8 km. distance from habitation 1.0 km. Distance from water body 0.5 kms.1.75 kms. From national highway. 90 km from airport. Quantity of waste landfill each day 2.5 tpd. landfill is fenced, bridge facility is available.</p>

	<p>dumpsite / landfill.</p> <ul style="list-style-type: none"> <li>• <b>Door to Door:-</b> D2D Collection of solid waste is being done in the city in 11 wards. 2600 nos. of households are covered and 628 nos. of non-residential covered.</li> <li>• Percentage of residential and non-residential premise covered in D2D collection through 25% Motorized vehicle, 57% containerized tricycle/handcart and 18% other device.</li> <li>• <b>sweeping of streets :</b></li> <li>• <b>35km Length of roads,</b> street, lanes in the city, that need to be cleaned.</li> <li>• Frequency of street sweepings and percentage of population covered on daily basis 50 % of alternate day 10%, occasionally 10%.</li> <li>• <b>Tools used:</b></li> <li>• Manual sweeping 100%. handle broom and handcart/tricycle is</li> </ul>		<p>dumper lifter.</p> <ul style="list-style-type: none"> <li>• <b>Frequency of collection of waste from the depots</b></li> </ul>			
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	containerized are provided to sanitary workers.					
M.C Sujanpur.	<ul style="list-style-type: none"> <li>Population 7943.</li> <li>Area 3.03 sq. km.</li> <li>Number of households in the 2238.</li> <li>Number of election/administrative 9.</li> <li>Estimated Quantity of solid waste generated in the local body area per day 2.0/tpd.</li> <li>Quantity of solid waste collected 1/tpd.</li> <li>Quantity of solid waste disposed at dumping site /landfill 1/tpd.</li> <li><b>31.42 km Length of roads</b>, street, lanes in the city,</li> <li><b>Tools used:</b> Long handle broom and handcart/tricycle is containerized are provided to sanitary workers and the collection tool synchronizes with storage container utilized.</li> </ul>	Not being segregated.	<ul style="list-style-type: none"> <li>Total storage capacity of waste storage facilities 15m3.</li> <li>Number of bins placed 10 big size container.</li> <li>Total waste actually stored at the at the waste storage depots 1ton.</li> <li>Frequency of collection of waste from the depots number of bins cleared 5 no daily.</li> <li>Lifting of solid waste from storage depots in manual lifting 50% and 50% mechanical lifting.</li> </ul>	<ul style="list-style-type: none"> <li><b>Waste transported</b> through, 1 number of tractors and 1 number of dumper placers. Number of trips made 3.</li> <li>Frequency of transportation of waste daily.</li> <li>Quantity of waste transported each day 1 ton.</li> <li>75% of total transported daily.</li> </ul>	Not being processed	<ul style="list-style-type: none"> <li>1 No at dhar baehra.</li> <li>4-17 marla site available for waste disposal.</li> <li>Distance from the city/town 10 km.</li> <li>Ye the landfill site is fenced.</li> <li>landfill facility is available on site.</li> </ul>

<p>N.P Nadaun</p>	<ul style="list-style-type: none"> <li>• Population 4430.</li> <li>• Area 2.28sq km.</li> <li>• Number of households in the 985.</li> <li>• Number of election/administrative 7 ward.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 0.225.</li> <li>• Quantity of solid waste collected 400/gm/tpd</li> <li>• Per capital waste collected per day 250 gm/day. 1.50 tpd solid waste processed and 2.00 tpd waste disposed at dumpsite / landfill.</li> <li>• <b>Door to Door:</b> - D2D Collection of solid waste is being done in the city in 5 wards Of households are covered 550 and nos. of non-residential covered.</li> <li>• Percentage of residential and non-residential premise covered in D2D collection personally collected by the sanitation staff</li> <li>• <b>15 km Length of roads,</b> street, lanes in the city, that</li> <li>• Frequency of street sweepings and</li> </ul>	<p>Segregation done at dumpsites by Rag pickers.</p>	<ul style="list-style-type: none"> <li>• <b>Waste Storage depots</b></li> <li>• Up to 1.1 m<sup>3</sup> in 10 bins.</li> <li>• Up to 2 to 5m<sup>3</sup> 20 bins.</li> <li>• Above 10 m<sup>3</sup> in 10 containers.</li> <li>• Frequency of collection of waste from the depots Daily 20 and alternate 10.</li> <li>• Whether lifting of solid waste from storage depots: 100 % of manual lifting.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste transported.</b> Through, 1 number of tractors and 3 trips made.</li> <li>• Frequency of transported of waste alternate days 70%, Twice a week 20%, once a week 5%, occasionally 5%.</li> <li>• Quantity of waste transported each day 2/tpd.</li> <li>• 82% of total waste transported daily.</li> </ul>	<p>--</p>	<ul style="list-style-type: none"> <li>• Land available with the local body for waste processing in 1917 sq. km</li> <li>• Landfill method currently used for waste processing.</li> <li>• <b>Distance</b> from city 1 km. Distance from water body 2 kms.</li> </ul>
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	<p>percentage of population covered daily by 75 %,alternate days 5 % and twice a week 20%</p> <ul style="list-style-type: none"> <li>• <b>Tools used: manual</b> sweeping 100%.</li> <li>• handle broom and handcart/tricycle is containerized are provided to sanitary workers and the collection tool synchronizes with storage container utilized.</li> </ul>					
<b>N.P Bhota</b>	<ul style="list-style-type: none"> <li>• Population 1453.</li> <li>• Area 1.06 sq km.</li> <li>• Number of election/administrative 7 ward.</li> <li>• Quantity of solid waste generated in the local body 3 qtl.</li> <li>• Quantity of solid waste collected 100/gm/day.</li> <li>• Quantity of solid waste disposed at dumpsite/landfill 2.5qtl.</li> <li>• Door to door collection in 7 wards.</li> <li>• No of household covered 250.</li> <li>• No of residential premises including commercial establishments 60, hotels, restaurants, educational</li> </ul>	<ul style="list-style-type: none"> <li>• 20% of household practice storage of waste at source in domestic bins.</li> <li>• 50% of Non-residential premises practice storage of waste at source in commercial/institutions bins and 5% of</li> </ul>	<ul style="list-style-type: none"> <li>• Waste storage depots In the city/town. Open waste Storage sites 6 bins.</li> <li>• Frequency of collection of waste from the depots daily 6 bins.</li> <li>• Lifting of solid waste from storage depots in manual 100%.</li> </ul>	<ul style="list-style-type: none"> <li>• Frequency of transportation of waste daily 80%.</li> <li>• Quantity of waste transported 2.5 qtl perday.</li> <li>• 80% of total waste transported daily.</li> </ul>	<ul style="list-style-type: none"> <li>• Composting pits 2 no.</li> </ul>	<p><b>Solid waste disposal facility</b></p> <p>1 number of dumpsite distance of dumpsite from /landfill facility from city 500mtr distance from water body 500mtr. distance from national highway 100 mtr. Distance from airport 150mtr.</p>

	<p>, institutions/offices covered.</p> <ul style="list-style-type: none"> <li>• % of residential and non-residential premises covered in door to door collection through: Handcraft 4 nos.</li> <li>• Length of roads, streets, lanes, bye-lens in the city that need to be cleared 2 km.</li> <li>• Frequency of street sweepings and percentage of population covered 70%.</li> <li>• Tools used: Manual sweeping: 100% long handed broom used by sanitation workers and each sanitation worker is given handcraft collection of waste and handcraft is containerized.</li> </ul>	<p>household dispose throw solid waste on the streets. 5% of premises segregating the waste at source.</p>				
<p>M.C Dharamshala.</p>	<ul style="list-style-type: none"> <li>• Population 53543.</li> <li>• Area 27.64 sq km. Number of households in the 12500.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 25 TPD.</li> <li>• Quantity of solid waste</li> </ul>	--	<p>Storage facilities 31open storage sites.. 2 to 5 m<sup>3</sup> bins120. Underground bins 105 Frequency of collection of</p>	<ul style="list-style-type: none"> <li>• Transportation :</li> <li>• 2 no tipping truck, 1 no dumper placer, 5 refuse collector, others(auto ) 10 nos. 1 no Jeep truck</li> <li>• Frequency of</li> </ul>	<ul style="list-style-type: none"> <li>• Waste processed daily 4 MT by Composting.</li> </ul>	<ul style="list-style-type: none"> <li>• 1 No. of dumpsite available of 1.5 Hectare which is 2 Km from city, 1.5 Km from nearest Habitation, 2 Km from water Body, 500 meter from National Highway,</li> </ul>

	<p>collected 22 TPD. Per capital waste collected per day 200 gm/day.</p> <ul style="list-style-type: none"> <li>• <b>Door to Door:</b> - D2D Collection of solid waste is being done in the city in 16 wards. 4500 Household covered 2850 non-residential premise covered in D2D collection</li> <li>• <b>166 km Length of roads,</b> street, lanes in the city, that</li> <li>• Frequency of street sweepings and percentage of population covered daily by 70 %,alternate days 25 % and twice a weak 10% and occasionally 5%.</li> <li>• <b>Tools used:</b> Long handle broom and handcart/tricycle is provided is containerized are provided to sanitary workers and the collection tool synchronizes with storage container utilized.</li> </ul>		<p>waste from the depots daily 170 and alternate 35 and Twice a week 25 and once a week 10. Lifting of solid waste from storage depots in manual lifting 30% of solid waste and mechanical lifting 70%.</p>	<p>transportation of waste daily 70%, alternate 20%, Twice a week 15%, once a week 5%.</p> <ul style="list-style-type: none"> <li>• Quantity of transportation of waste 22mt.</li> <li>• 100% of total waste transported daily</li> </ul>		<p>17 Km from Airport. 20 MT waste is dumped each day. Waste is covered by soil. Action Plan has been prepared</p>
MC Kangra	<ul style="list-style-type: none"> <li>• Population 9528.</li> <li>• Area 3.55sq km.</li> <li>• Number of households in the 1882.</li> </ul>	--	<ul style="list-style-type: none"> <li>• <b>Waste Storage depots</b> up to 1.1 m<sup>3</sup> bins in 10. Above 5 m<sup>3</sup></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste transported.</b> Through, jeep and Tipper.</li> </ul>	<ul style="list-style-type: none"> <li>• solid waste processed daily.</li> <li>• 2tpd quantity</li> </ul>	<ul style="list-style-type: none"> <li>• 1 no of solid waste dumpsite available with the local body. 1920 sqtr area</li> </ul>

	<ul style="list-style-type: none"> <li>• Number of non-residential premises in the city 374.</li> <li>• Number of election/administrative 9 wards.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 4.5tpd.</li> <li>• Quantity of solid waste collected 3.5tpd.</li> <li>• per capital waste collected 300gm/day.</li> <li>• <b>Door to Door:-</b> D2D Collection of solid waste is being done in the city in 1-9 wards. No of households are covered 1882.</li> <li>• Percentage of residential and non-residential premise covered in D2D collection motorized vehicle-Tipper, jeep, rehri, dumper placer.</li> <li>• <b>3.570 km Length of roads</b>, street, lanes in the city, Frequency of street sweepings and percentage of population covered daily by 90% alternate days 10% .</li> <li>• <b>Tools used: manual</b> sweeping 100%.</li> <li>• long Handle broom and handcart/tricycle is containerized are</li> </ul>		<p>containers 3.</p> <p><b>Frequency of collection of waste from the depots</b></p> <ul style="list-style-type: none"> <li>• Daily13</li> <li>• Lifting of solid waste from storage depots: 64 % of manual lifting.36% mechanical lifting.</li> </ul>	<ul style="list-style-type: none"> <li>• Quantity of waste transported 4.5 tpd.</li> <li>• 90% of total waste transported daily.</li> </ul>	<p>of waste processed daily.</p> <ul style="list-style-type: none"> <li>• 0.192 hectare.</li> <li>• 1500sqkm land currently utilized for waste processing in hectare. compositing :</li> <li>• Raw material processed.</li> <li>• Refuse derived fuel: 675 kg raw material processed.</li> <li>• 2.5 tpd Co processing.</li> </ul>	<p>for waste disposal sites. Distance from city 3 km. distance from habitation 1 km. distance from state/highway 3 km. distance from airport 12 km.</p>
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	provided to sanitary workers and the collection tool synchronizes with storage container utilized.					
M.C Palampur.	<ul style="list-style-type: none"> <li>Population 3544.</li> <li>Area 0.67 sq. km.</li> <li>Number of households 766 in the city/town and number of election/administrative 7 ward.</li> <li>Estimated Quantity of solid waste generated in the local body area per day 1.5 mt.</li> <li>Quantity of solid waste collected 1.5 mt/d. per capital waste collected per day 4.23 gm/day.</li> <li>0.8 mt/d solid waste processed</li> <li><b>12 km Length of roads</b>, street, lanes in the city.</li> <li>Frequency of street sweepings and percentage of population covered daily by 75 %, alternate days 10 % and 15% twice a week.</li> <li><b>Tools used: manual</b> sweeping 100%.</li> <li>Handle broom and handcart/tricycle is</li> </ul>	--	<ul style="list-style-type: none"> <li>Waste Storage depots 30 number twins bins 10 number container cement concrete cylinder bins.</li> <li><b>Lifting of solid</b> waste from storage depots: 50 % of manual lifting and 50% mechanical lifting.</li> </ul>	<ul style="list-style-type: none"> <li>Waste transportation per day through 1 number dumper placer and 1 number others (Tata ace).</li> <li>Quantity of waste transported 1.5 mt.</li> <li>100% of total waste transported daily.</li> </ul>	<ul style="list-style-type: none"> <li>Waste treatment technology through compositing machines shredding and meltor at Gram panchayat Aima.</li> <li>solid waste processed daily.</li> <li>0.8 MT quantity of waste processed daily.</li> <li>Land available with the local body for waste processing 3 kanal.</li> <li>Land currently utilized for waste processing 3 kanal.</li> </ul>	<ul style="list-style-type: none"> <li>1 no of solid waste dumpsite available with the local body.</li> <li>1920 sqtr area for waste disposal sites.</li> <li>Distance from city 3 km. distance from habitation 1 km. distance from state/highway 3.5 km. distance from airport 45 km. Distance from water Body 1 Km</li> </ul>

	<p>containerized are provided to sanitary workers and the collection tool synchronizes with storage container utilized.</p>					
<p><b>MC Nurpur</b></p>	<ul style="list-style-type: none"> <li>Population 9807.</li> <li>Area 4.75 sq km .</li> <li>Number of households 2160 in the city/town, 80 numbers of nonresidential premises in the city and 9 numbers of election/administrative wards.</li> <li>Estimated Quantity of solid waste generated in the local body area per day 3tonne/day .Quantity of solid waste collected 3t. Per capital waste collected per day 250 gm/day.</li> <li><b>Door to Door:-</b> D2D Collection of solid waste is being done in the city in 9 wards, 2160 household and 730 non-residential area.</li> <li>Residential and non-residential premises covered in D2D collection through Motorized</li> </ul>	<p>80% premises segregating the waste at source.</p>	<ul style="list-style-type: none"> <li><b>Waste Storage depots</b> 1 no of open waste storage site capacity of 400m<sup>3</sup>, up to 1.1 m<sup>3</sup> bins 35 numbers (Medium) and 5 numbers (Big) waste storage depots in the city/town.</li> <li>Actually waste stored at waste storage depots 70%.</li> <li><b>Frequency of collection of waste from the depots</b> Daily</li> <li>storage depots have facility for the storage of segregated waste in green bins 35 nos.</li> <li><b>lifting of solid waste</b> from storage depots : 100 % of manual lifting.</li> </ul>	<ul style="list-style-type: none"> <li><b>Waste transported.</b> 4 trips of tractor and 10 trips of auto, 1 tractor and 2 three wheelers are used for waste transportation per day</li> <li><b>Frequency</b> of transportation of waste is on daily basis.</li> </ul>	<p><b>Solid Waste Management facilities.</b></p> <ul style="list-style-type: none"> <li>Pits technology and soil filling is used. Solid waste is processed daily. Composting technology is used.</li> <li><b>Slaughter</b> house waste is properly managed and C&amp;D waste 125 ton/year.</li> <li><b>Equipment</b> used at landfill site JCB available. Frequency of covering the waste deposited at landfill is after one month and landfill is under proper mechanism.</li> </ul>	<ul style="list-style-type: none"> <li>3t solid waste processed and 3t waste disposed at dumpsite / landfill. Land is available with the local body for waste processing 0-18-50 HM.</li> <li>land currently utilizes for waste processing facility is at Chinwa road Gahi Lagore.</li> <li>Pit technology is used and 9 person deployed.</li> <li><b>Distance</b> from city/town is 2 km. from habitation 1 km, water body 1 km. from national highway 2.0 kms. quantity of waste landfill each day 3 ton/day. landfill is fenced.</li> </ul>

	<p>vehicle 70%, containerized tricycle/handcart 20% and other device 5%.</p> <ul style="list-style-type: none"> <li>• <b>12.31 km Length of roads,</b> street, lanes in the city, that need to be cleaned. <b>Frequency</b> of street sweepings and percentage of population covered daily by 70 %, alternate days 30 %</li> <li>• <b>Tools used: manual:</b> Broom and basket is used. 100% manual sweeping. Long handle broom and handcart/tricycle is containerized are provided to sanitary workers.</li> </ul>					
MC Nagrota	<ul style="list-style-type: none"> <li>• Population 5900. Area 3.54sqkm area .Number of households 1779 in the city/town. and 7 numbers of election/administrative wards.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 4.34 tpd. Quantity of solid</li> </ul>	--	--	<p><b>Waste transported.</b> Through tipping trucks 2 trips made waste transported . and others 6 trips made waste transported. <b>Frequency</b> of transportation of waste is on daily basis 95%. Quantity of waste transported each day 4.00tpd.</p>	--	<p>No Land is available in the limits of M.C Nagrota bagwan.Waste is transported to Kangra Site. Distance of dumpsite from the city 23 km. Distance from national highway 23 km. it fault in earthquake fault line area.</p>

	<p>waste collected 4tpd. Per capital waste collected per day 350gm/day.</p> <ul style="list-style-type: none"> <li>• <b>Door to Door:-</b> D2D Collection of solid waste is being done in the city in 7 wards, 1779 house hold and 54 non-residential area.</li> <li>• Residential and non-residential premises covered in D2D collection through Motorized vehicle 50%, containerized tricycle/handcart 30% and other device 20%.</li> <li>• <b>39.808 km Length of roads,</b> street, lanes in the city, <b>Frequency</b> of street sweepings and percentage of population covered daily by 95%. <b>Tools used:</b> 100% manual sweeping.</li> <li>• handle broom and handcart/tricycle is containerized are provided to sanitary workers.</li> </ul>					
MC Dehra	<ul style="list-style-type: none"> <li>• Population 4816.</li> </ul>	--	<ul style="list-style-type: none"> <li>• 2 open waste</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste</b></li> </ul>	-----	<ul style="list-style-type: none"> <li>• 3t solid waste</li> </ul>

	<p>Area 3.26 sqkm.</p> <ul style="list-style-type: none"> <li>• 7 numbers of nonresidential premises in the city.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 1.50tpd. Quantity of solid waste collected 1.20tpd. Per capital waste collected per day 300gm/day.</li> <li>• <b>Door to Door:-</b> D2D Collection of solid waste is being done in the city in 5 wards, 750 house hold and 380 non-residential area.</li> <li>• Residential and non-residential premises covered in D2D collection through Motorized vehicle 70%, containerized: 1 number tractor trolley. Other devices 1 no auto.</li> <li>• <b>1 Frequency</b> of street sweepings and percentage of population covered daily by 65%, alternate days 20</li> </ul>		<p>storage sites. 1.1m<sup>3</sup> bins 5 numbers and 5 numbers depots in the city/town. Bin population ratio 0.20%.</p> <ul style="list-style-type: none"> <li>• <b>lifting of solid</b> waste from storage depots : 100 % of manual lifting. lifted from door to door and transported to treatment plant directly in segregated form.</li> </ul>	<p><b>transported.</b> 3 trips made waste transported per/day. Through 3 animal carts and 4 jcb loaders Frequency of transportation of waste is on daily 70%.</p> <ul style="list-style-type: none"> <li>• Quantity of waste transported each day 1.50tpd.</li> </ul>		<p>processed and 1.20 tp/d disposed at dumpsite</p> <ul style="list-style-type: none"> <li>• BB MB Land site available for waste disposal sites.</li> <li>• Distance from habitation ½ km, 1 km national highway 2.0 kms. quantity of waste landfill each day 1 tpd.</li> </ul>
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	<p>% . 10% twice a week. 5 occasionally.</p> <ul style="list-style-type: none"> <li>• <b>Tools used: manual:</b> 100% manual sweeping.</li> <li>• handle broom and handcart/tricycle is containerized are provided to sanitary workers.</li> </ul>					
MC Jawalamukhi	<ul style="list-style-type: none"> <li>• Population 5361. Area 4.52sqkm .Number of households in the city/town 1428. 526 numbers of non residential premises in the city and numbers of election/administrative wards in 7 wards.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 3 tpd.Quantity of solid waste collected 2.80tpd. Per capital waste collected per day 500gm/day. at dumpsite / landfill.</li> <li>• <b>Door to Door:-</b> 80 % D2D Collection of solid waste is being done in the city in</li> </ul>	<p><b>Segregation and storage</b> 60 % of households have facility for storage of segregated waste in green 4 Blue 2.</p>	<ul style="list-style-type: none"> <li>• 30 no of open waste storage site capacity of 400m<sup>3</sup>. up to 1.1 m3 bins 9 numbers and 2 to 5 bins 21 numbers depots in the city/town. <b>Above 5 m<sup>3</sup></b></li> <li>• Bin population ratio 1:179. <b>Frequency of collection of waste from the depots</b> Daily 20. Alternate days 30.</li> <li>• lifting of solid waste from storage depots in manual of mechanical. 100% manual lifting of solid waste. 80%</li> </ul>	<p><b>Waste transported.</b> Through 1 tractors on outsourced basis by the door to door to garbage collector.1 tipping trucks. Others : 2 (1 no GIO M.C own vehicle and 1 no on outsourced basis). Frequency of waste transported. Alternate 80% Twice a week 10% Once a week 5 % Occasionally 5 %. quantity of waste transported each day 2.50tpd. 83% of total waste transported daily.</p>	<p><b>Solid Waste Management facilities.</b> solid waste processed daily.</p>	<ul style="list-style-type: none"> <li>• 2.50 solid waste processed and 2.00 tpd disposed</li> <li>• 0.2070 land available with the local body for waste processing. currently utilized for waste processing. 1 number of dumpsite available with the local body. <b>Distance</b> from city 9.00 km. distance from habitation ½ km,</li> <li>• Distance from water body 16 km beas river.100 metre distance from state national highway surani road and 5 km from NH-81.55 km distance from kangra airport.</li> </ul>

	<p>7 wards,1142 house hold and 526 non-residential area.</p> <ul style="list-style-type: none"> <li>Residential and non-residential premises covered in D2D collection through 80%. Motorized vehicle 60%, containerized tricycle/handcraft 30%.other devices 10%. <b>Frequency</b> of street sweepings and percentage of population covered daily by 80%, alternate days 10 % .5% twice a week 5%.</li> <li><b>Tools used:</b> <b>manual:</b> 100% manual sweeping.</li> <li>handle broom and handcart/tricycle is containerized are provide</li> </ul>		<p>door to door to collection has started out of which 20% household garbage collected in segregated from. The waste collected from hotel and restaurant has been sold to pigri from holders and remaining garbage transported to SWM sites.</p>			
<p>NP Bajjnath Paprola</p>	<ul style="list-style-type: none"> <li>Population 15449.Number of households 2661 in the city/town. 11 numbers of election/administrative wards.</li> <li><b>Quantity of Solid waste 3.45 qtl. Sweeping of streets All wards</b></li> </ul>	<p>Not being segregated .</p>	<p><b>Waste Storage depots in the city/town:-</b> 10 no covered metals/plastic containers. Ward no 11.10 number of bins placed. <b>Frequency of collection of waste from the depots</b></p>	<p><b>Waste transported Others :</b> Three wheelers 3 nos.</p>	<p>--</p>	<p>1 number of dumpsite available with the local body. distance of dumpsite from city 4 km. distance from national highway 4 km.</p>

	<p><b>in N.P area..</b></p> <ul style="list-style-type: none"> <li>• <b>street sweeping is done.. Frequency</b> of street sweepings and percentage of population covered daily .</li> <li>• <b>Tools used:</b> Manual 80% sweeping is done.</li> <li>• handle broom and handcart/tricycle is containerized are provided to sanitary workers and the collection of tools synchronizes with collection/waste storage containers utilized.</li> </ul>		Daily 10nos. solid waste processed daily			
NP Jawali	<ul style="list-style-type: none"> <li>• Population 10778. Area 8.46 sqkm area .Number of households 2966 in the city/town, 9 numbers of election/administrative wards.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 2.0 tpd. Quantity of solid waste collected 1.7 tpd. Per capital waste collected per day 100 gm/day. 2.0 tpd solid wastes processed and disposed at dumpsite / landfill.</li> <li>• <b>Door to Door:-</b> No</li> </ul>	<p>only 10% of household practices of waste at source in domestic bins. And 5 % of non-residential Premises practices storage of waste at source in commercial/insituational bins. 7% of household dispose or throw solid waste in the streets.</p>	<ul style="list-style-type: none"> <li>• <b>Waste Storage depots in the city/town:-</b> 53 numbers of bins under open waste storage sites.</li> <li>• <b>Frequency of collection of waste from the depots</b> Daily 53 nos. of bin.</li> <li>• <b>Lifting of solid waste from storage depots:</b> 50 % of manual lifting.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste transported</b> 1 no of tractor through sanitary contractor</li> <li><b>Frequency</b> of transportation of waste is on daily 50%.</li> <li>• Quantity of waste transported each day 1 tpd per day.</li> </ul>	---nil----	Land:-NOC pending from Gram Panchayat Maria 10 Kamal 8 Marla.

	<p>D2D Collection of solid waste is being done in the city.</p> <ul style="list-style-type: none"> <li>• <b>Street sweeping is done. 8.0 km Length of roads,</b> street, lanes in the city, that need to be cleaned. <b>Frequency</b> of street sweepings and percentage of population covered daily by 50%..</li> <li>• <b>Tools used:</b> Manual 50% sweeping is done.</li> <li>• handle broom and handcart/tricycle is containerized are provided to sanitary workers.</li> </ul>	5%of premises segregating the waste at source.				
MC Chamba	<ul style="list-style-type: none"> <li>• Population 19933. Area 4.33 sq area in. Number of households 34 in the city/town and number of election/administrative 11 ward.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 5 ton/day .Quantity of solid waste collected 5 ton/day.</li> <li>• Per capital waste collected per day 200.0 gm/day. And ton/day waste disposed at dumpsite / landfill.</li> <li>• <b>Door to Door:-</b> D2D</li> </ul>	--		<b>Waste transported.</b> Per day by 8 trips. 1 no of dumper placer is used.	--	-----

	<p>Collection of solid waste is being done in the city in 11 wasds D2D collection is being done through 1% by Motorized vehicle.</p> <ul style="list-style-type: none"> <li>• Sweeping of street per day.</li> <li>• <b>2 km Length of roads,</b> street, lanes in the city, that need to be cleaned. Frequency of street sweepings and percentage of population covered daily.</li> <li>• <b>Tools used: Mechanical</b> sweeping 90%. handle broom is provided to sanitary workers.</li> </ul>					
MC Dalhousie	<ul style="list-style-type: none"> <li>• Population 7051. Area 7.63 sq area in. Number of households 1420 in the city/town, Non-residential 165 numbers and number of election/administrative 9 ward.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 25.30 qtl/day. <b>Door to Door:-</b> D2D Collection of solid waste is being done in the city in 9 wards 70% household and 70% non-residential.</li> </ul>	--	<ul style="list-style-type: none"> <li>• 3 nos of bins capacity 25 m<sup>2</sup> each, 33 numbers bins/containers are used for waste storage depots in the city/town.</li> </ul>	<p>Waste transported. Through, 1 number of dumper placer.</p> <p><b>Frequency</b> of transportation of waste daily</p> <p>Quantity of waste transported each day 90% of total waste transported daily.</p>	<b>Solid Waste s Dumping</b>	<ul style="list-style-type: none"> <li>• 0.08.91 hectare Land is available with the local body.</li> <li>• land currently utilizes for waste processing facility for dumping.</li> <li>• 1 no of dumpsite and landfill site is available.</li> <li>• <b>Distance</b> from city/town is within city. Distance from habitation 500m.distance from national highway 8 km. quantity of waste landfill each day 25-30 qtl.. landfill is</li> </ul>

	<p>Premises covered in D@D collection through 70% Motorized vehicle, 70% containerized tricycle/handcart.</p> <ul style="list-style-type: none"> <li>• sweeping of street is done.</li> <li>• <b>56.50 km Length of roads</b>, street, lanes in the city, that needs to be cleaned.</li> <li>• <b>Tools used: 90% manual</b> sweeping is done.</li> <li>• handle broom and handcart/tricycle is containerized are provided to sanitary workers and the collection tool synchronizes with storage container utilized.</li> </ul>					<p>fenced, bridge facility is available. Covering soil material is used.</p>
NP Chowari	<ul style="list-style-type: none"> <li>• Population 3770.</li> <li>• Area 2.5 sq k.m</li> <li>• Number of households 1585 in the city/town.</li> <li>• No of non-residential premises in the city 509.</li> <li>• Number of election/administrative wards in the city 7 wards.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 3.00qtl.</li> <li>• Quantity of solid waste</li> </ul>	---	<b>No storage facility available.</b>	<ul style="list-style-type: none"> <li>• Quantity of waste transported 2.5qtl.</li> <li>• 100% total waste transported daily</li> </ul>	<p><b>Solid Waste Management facilities.</b> Landfill technology adopted.</p>	<ul style="list-style-type: none"> <li>• Distance of dumpsite/landfill facility from city/town 1 km.</li> </ul>

	<p>collected 2.5 qtl.</p> <ul style="list-style-type: none"> <li>• Per capital waste collected per day 200 gm/day.</li> <li>• 2.5 Qtl solid waste disposed at dumpsite/landfill.</li> <li>• <b>Door to Door:-D2D</b> Collection of solid waste is being done in the city in 2 wards, 200 household covered. 10 No of non – residential premises including commercial establishments, hotels, restaurants, educational institutions office covered</li> <li>• Sweeping of street once a day.</li> <li>• <b>10 km Length of roads</b>, street, lanes in the city, <b>Frequency</b> of street sweepings and percentage of population covered daily by 80%</li> <li>• <b>Tools used: Manuals weeping 100%</b></li> <li>• Handle broom is provided to sanitary workers.</li> </ul>					
<p><b>Cantonment Board Jatogh</b></p>	<ul style="list-style-type: none"> <li>• Population 2062.</li> <li>• Area 1.4151 sq.km.</li> <li>• Number of households 677 in the city/town, 28 numbers of non-</li> </ul>	<ul style="list-style-type: none"> <li>• <b>100%</b> storage depots have facility for the storage</li> </ul>	<ul style="list-style-type: none"> <li>• No of bins placed 25 nos. total volume of bins paced.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste transported.</b> 1 others and 1 number of trips made. 500kg</li> </ul>	<ul style="list-style-type: none"> <li>• Garbage collected from Cantonment Board jatogh deposited at MC</li> </ul>	<ul style="list-style-type: none"> <li>• No dumping site.</li> </ul>

	<p>residential premises in the city and 2 numbers of election/administrative wards.</p> <ul style="list-style-type: none"> <li>• Estimated Quantity of solid waste generated in the local body area 0.500/tpd. Quantity of solid waste collected 0.5/tpd.</li> <li>• Per capital waste collected 250/gm/tpd.</li> <li>• 0.5 solid waste processed and 0.5 waste disposed at dumpsite /landfill.</li> <li>• <b>Door to Door:</b> - D2D Collection of solid waste is being done in the city in 2 wards, 677 house hold and 28 small shop non-residential area.</li> <li>• Residential and non-residential premises covered in D2D collection through other device 100%.</li> <li>• 11km Length of roads, street, lanes in the city, Frequency of street sweepings and percentage of population covered daily by 100.</li> <li>• <b>Tools used:</b></li> <li>• 100% manual sweeping.</li> </ul>	<p>of segregated waste in green bins 17 nos. blue bins 17nos.</p>	<p>Bin/population ratio 1:82. Total storage capacity of waste storage facilities in 44.70 m<sup>3</sup>.</p> <ul style="list-style-type: none"> <li>• Lifting of solid waste from storage depots: 100 % of manual lifting. solid is lifted from door to door and transported to treatment plant directly in a segregated form</li> </ul>	<p>waste.</p> <p><b>Frequency</b> of transportation of waste is on daily 100% basis.</p> <ul style="list-style-type: none"> <li>• Quantity of waste transported each day 0.5tpd.. 100% of total waste transported daily.</li> </ul>	<p>Shimla plant.</p>	
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	<ul style="list-style-type: none"> <li>• Handle broom and handcart/tricycle is containerized are provided to sanitary workers. And the collection tools synchronizes with storage containers utilized.</li> </ul>					
Cantonment Board Kasauli	<ul style="list-style-type: none"> <li>• Population 3885.</li> <li>• Area in 2.61 sq km.</li> <li>• Number of households 460 in the city/town.</li> <li>• Number of election/administrative 8.</li> <li>• Estimated Quantity of solid waste generated in the local body area per day 15-20 Qtl/day.</li> <li>• Quantity of solid waste collected 15-20/tpd.</li> <li>• Per capita waste collected per day 2.5/gm per day.</li> <li>• <b>Door to Door:</b> - D2D Collection of solid waste is being done in the city in 6 wards.</li> <li>• 460 house hold Residential and non-residential premises covered in D2D collection through Motorized vehicle 100%, and other device 40%.</li> <li>• Sweeping of street 100%.</li> </ul>	<ul style="list-style-type: none"> <li>• Waste is segregated at Trench Grounds.</li> </ul>	<ul style="list-style-type: none"> <li>• Cement concrete cylinder bins 70 nos. and covered metal containers 35 no (covered tin bins).</li> <li>• Total waste actually stored at the waste storage depots daily 1.5 ton per day.</li> <li>• Frequency of collection of waste from the depots daily 105.</li> <li>• <b>Lifting of solid waste</b> from storage depots 100 % of manual lifting.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste transported-</b> type and number of vehicles used TATA ACE.</li> <li>• Quantity of waste transported each 1.5/Tpd.</li> <li>• Percentage of total waste transported daily 1.5/tpd.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Solid Waste Management facilities.</b></li> <li>• Landfill technology adopted. composting pit are constructed</li> <li>• <b>Equipment</b> used at landfill site Bulldozer, compacters available/TATA ACE.</li> <li>• Frequency of covering the waste deposited at landfill is after 7 days and soil is used as covering material.</li> </ul>	<ul style="list-style-type: none"> <li>• 1 number of dumpsite available with the local body.</li> <li>• 1 Number of sanitary landfill sites available with the local body.</li> <li>• <b>Distance</b> from city/town is 30 km. from habitation 0.3km, water body 1.5 km. distance from state/highway 12 km. quantity of waste landfilled each day 1.5 /tpd</li> <li>• 1.5/tpd Quantity of landfilled each day.</li> </ul>

	<p><b>15.475km Length of roads</b>, street, lanes in the city, that need to be cleaned.</p> <ul style="list-style-type: none"> <li>• <b>Tools used::</b></li> <li>• 100% manual sweeping.</li> <li>• Long handle broom is provided to sanitary workers. The collection tool synchronizes with collection/waste storage containers.</li> </ul>					
<b>Cantonment Board Yol</b>	<ul style="list-style-type: none"> <li>• Population: 12028</li> <li>• Total quantity of waste generated 1.2m tonne and collected 1.2 tonne./day</li> </ul>	<ul style="list-style-type: none"> <li>• Not being segregated.</li> </ul>	<ul style="list-style-type: none"> <li>• Waste Storage depots: 450 no of open waste storage depots.68 masonry bins up to 2 to 5 m<sup>3</sup> bins.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste transported</b> Through 1 tipping truck and dumper placer. 4 numbers of trips made.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Solid Waste Management facilities.</b> Pit technology and soil filling.</li> <li>• <b>Equipment</b> used at landfill site jcb available by hiring.</li> <li>• Frequency of covering the waste deposited at landfill is 1 month.</li> </ul>	<ul style="list-style-type: none"> <li>• 1 number of dumpsite available with the local body.</li> <li>• Distance from city/town 1 km. 1 km from habitation. 100 m from water body.500m from, state /national highway.</li> <li>• 1.2ton quantity of waste landfill each day.</li> </ul>
<b>Cantonment Board Dalhousie</b>	<ul style="list-style-type: none"> <li>• Population 3549.</li> <li>• Area in 1008.50 sq. km.</li> <li>• Number of households 146 in the city/town.</li> <li>• Number of election/adminstrative6. Estimated Quantity of solid waste generated in the</li> </ul>	<ul style="list-style-type: none"> <li>• storage depots have facility for storage of segregated waste in green, blue and black bins.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste Storage depots 16:</b> Metallic covered storage bins. (2 &amp; 4 quintals bearing capacity).24 masonry bins. 15 PVC covered of 120</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste transport ed-</b> through 1 truck and 2 trips daily.</li> <li>• Frequency of transportation of waste daily 100%.</li> <li>• Quantity of transported each day 0.1 tpd.</li> <li>• 100% of total</li> </ul>	<ul style="list-style-type: none"> <li>• solid waste processed</li> <li>• 0.1 tpd quantity of waste processed daily.</li> <li>• 700 sqm land available with the local body for waste processing in hectares.</li> <li>• Compositing:</li> </ul>	<ul style="list-style-type: none"> <li>• 1 Number of dumpsite available with the local body.</li> <li>• 0.038 hectare area of each such site available for waste disposal.</li> <li>• 0.020 hectare area of land currently used for waste disposal.</li> <li>• Distance from the</li> </ul>

	<p>local body area per day 0.2/tpd.</p> <ul style="list-style-type: none"> <li>Quantity of solid waste collected 0.2/tpd.</li> <li>Per capita waste collected 600 gm/day.</li> <li><b>Door to Door:</b> - D2D Collection of solid waste is being done in the city in 6 wards, 146 house hold. Residential and 1 hotels/restaurant, 1 educational institute, 1 office complex, 6 shops. Percentage of residential and non-residential premises covered in door to door collection through Motorized vehicle 100%</li> <li>8km Length of roads, length of path and lanes 2.07 km, length of drains 3950 m, length of nullah 800 mtr. Frequency of street sweepings and percentage of population covered daily 100%.</li> <li><b>Tools used manual:</b> 100% manual</li> </ul>		litre each.	waste transported daily.	<ul style="list-style-type: none"> <li>5 ton quantity raw material processed.</li> <li>1 Ton Quantity final product produced.</li> </ul>	<p>city/town 8 km.</p> <ul style="list-style-type: none"> <li>Distance from nearest habitation 1 km.</li> </ul>
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	<p>sweeping.</p> <ul style="list-style-type: none"> <li>Long handle broom is provided to sanitary workers and the collection tool synchronizes with collection/waste storage containers utilized.</li> </ul>					
<p>Cantonment Board Bakloh</p>	<ul style="list-style-type: none"> <li>Population 1805.</li> <li>Area in 566.84 acres.</li> <li>Number of households 247 in the city/town.</li> <li>Number of nonresidential premises in the city 5-6 .Number of election/administrative 2.</li> <li>Quantity of solid waste generated in the local body area per day 1-2qtl/day.</li> <li>Quantity of solid waste collected 1-2qtl/day.</li> <li><b>Door to Door:</b> - D2D Collection of solid waste is being done in the city in 2 wards.</li> <li><b>Total length of road, lanes in the city 7.06 km</b> Frequency of street sweepings and percentage of</li> </ul>	<ul style="list-style-type: none"> <li>Storage depots have facility for storage of segregated waste in green 400 Blue 400.</li> </ul>	<ul style="list-style-type: none"> <li>Waste storage depots: Masonry bins 15 no and cement concrete cylinder bins 15 nos. up to 1.1 m<sup>3</sup> in 2 number and 5m<sup>3</sup></li> <li>In 2 numbers or 2 numbers in bin less depots in the city/town.</li> <li>Frequency of collection of waste from the depots 40 number and number of bins 40 numbers.</li> </ul>	<ul style="list-style-type: none"> <li>Through 1 tipping truck Frequency of transportation of waste is on alternate days 100%.</li> <li>Quantity of waste transported each day 1qtl.</li> <li>95-100% of total waste transported daily.</li> </ul>	<ul style="list-style-type: none"> <li>solid waste is processed.</li> <li>1 qtl quantity of waste processed daily.</li> <li>land currently utilized for waste processing.</li> </ul>	<ul style="list-style-type: none"> <li>1 number of dumpsite available with the local body.</li> <li>Approx. 10000 m available with the local body for waste processing.</li> <li>Distance from city/town is 1.5 km. From habitation 1.5 km, Distance from state/highway 10 km.</li> </ul>

	<p>population covered daily 100%.</p> <ul style="list-style-type: none"> <li>• <b>Tools used:</b> <b>manual:</b> 100% manual sweeping.</li> <li>• Long handle broom is provided to sanitary workers the collection tool synchronizes with collection/waste storage containers.</li> </ul>					
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Cantonment Board Subathu	<ul style="list-style-type: none"> <li>• Population 3685.</li> <li>• Area in 2.3 km.</li> <li>• Number of households 700 in the city/town.</li> <li>• Number of non residential premises in the city 130.</li> <li>• Number of election/administrative 6.</li> <li>• Quantity of solid waste generated in the local body area per day 1.8 tpd.</li> <li>• Quantity of solid waste collected 1.8 tpd.</li> <li>• <b>Door to Door:</b> - 100 % D2D Collection of solid waste is being done in the city 6 wards.</li> <li>• <b>Total length of roads, lanes in the city 4 km.</b> Frequency of street sweepings and percent age of population covered daily 100%.</li> </ul>	--	<ul style="list-style-type: none"> <li>• Waste storage facilities.</li> <li>• 10 up to 1.1 m<sup>3</sup> bins.</li> <li>• Number of bins placed 10.</li> <li>• Total storage capacity of waste storage facilities in 35 m<sup>3</sup>.</li> <li>• Frequency of collection of waste from the depots daily 10.</li> </ul>	<ul style="list-style-type: none"> <li>• Waste transportation per day:</li> <li>• 2-3 trips made waste</li> <li>• Others pickup truck.</li> <li>• Frequency of transportation of waste daily 100 %.</li> <li>• Quantity of waste transported 1.8 pd.</li> </ul>	<ul style="list-style-type: none"> <li>• Solid waste processed daily 1.8 tpd.</li> <li>• <b>Compositing:</b> Quantity raw material processed 0.9 tpd. Quantity of final product produced 0.09 tpd. Quantity sold 0.09 tpd.</li> </ul>	<ul style="list-style-type: none"> <li>• Land available with the local body for waste processing 0.014 hectare and 1 number of dumpsite available with the local body</li> <li>• <b>Distance</b> from city/town is 0.5km. 0.5 km from habitation. 1 km from state/national highway. Quantity of waste landfill 16 tpd.</li> </ul>
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	<ul style="list-style-type: none"> <li>• <b>Tools used:</b> 100% manual sweeping.</li> <li>• Long handle broom is provided to sanitary workers. The collection tool synchronizes with collection/waste storage containers.</li> </ul>					
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Cantonment Board Dagsai	<ul style="list-style-type: none"> <li>• Population 2904.</li> <li>• Area in 830 acres.</li> <li>• Number of households 577 in the city/town.</li> <li>• Number of non residential premises in the city 2.</li> <li>• Number of election/ administrative 6.</li> <li>• Quantity of solid waste generated in the local body area per day 0.5/tpd.</li> <li>• Quantity of solid waste collected 0.5tpd.</li> <li>• <b>Door to Door:</b> - D2D Collection of solid waste is being done in the city in 6 wards.</li> <li>• residential and non-residential premises covered in</li> <li>• door to door collection through Motorized vehicle 99 %.</li> <li>• <b>Total length of roads, lanes in the city 16 km.</b></li> <li>• <b>Tools used.</b></li> </ul>	--	<ul style="list-style-type: none"> <li>• <b>Waste Storage Facility</b></li> <li>• Cement concrete cylinder bins 39 number. Covered metals containers 20 numbers.</li> <li>• Number of bins placed 38.</li> <li>• Total storage capacity of waste storage facilities in 0.5 per day.</li> <li>• 0.5 tpd waste actually stored at the waste storage depots daily</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Waste transported</b> 3 trips in jeep attached with trailer.</li> <li>• Quantity of waste transported each day 0.5tpd.</li> <li>• 100% frequency of transportation of waste.</li> </ul>	--	<ul style="list-style-type: none"> <li>• 1 number of dumpsite sites available with local body.</li> <li>• 1 Number of sanitary landfill sites available with the local body.</li> <li>• Distance from the city 2 km, Distance from water body 2.5 km, Distance from state/national highway 0.5 kms.</li> <li>• 1.5 tpd quantity of waste landfilled each day.</li> </ul>
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	<p><b>mannual:100%</b></p> <ul style="list-style-type: none"><li>• Long handle broom is provided to sanitary workers. The collection tool synchronizes with collection/waste storage containers.</li></ul>					
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Note: - The information in the statement is compiled based on the reports filed by Local Bodies and / or concerned Regional Officers of the State Board.

### ANNEXURE-III (2018-19)

#### A SUMMARY STATEMENT ON PROGRESS MADE BY MUNICIPAL AUTHORITY IN RESPECT OF IMPLEMENTATION OF SCHEDULE II

S.No	Name of the Municipal Authority	PARAMETERS		
		A. Composting	B. Leachate Management	C. Incineration
1.	<b>MC Shimla</b>	0.5 ton of Wet waste is processed for composting. 50Kg/day compost is being produced.	Yes provision for leachate collection is being made,	N.A
2.	<b>MC Rampur Bushahr</b>	No compost is being formed	No provision for leachate collection	N.A
3.	<b>M.C Theog</b>	No compost is being formed	No provision for leachate collection	N.A
4.	<b>MC Rohroo</b>	No Compost is being formed	No provision for leachate collection	N.A
5.	<b>N.P. Narkanda</b>	No Compost is being formed	No provision for leachate collection	N.A
6.	<b>N.P. Suni</b>	No Compost is being formed	No provision for leachate collection	N.A
7.	<b>N.P. Chopal</b>	No Compost is being formed	No provision for leachate collection	N.A
8.	<b>N.P. Kotkhai</b>	No Compost is being formed	No provision for leachate collection	N.A
9.	<b>N.P. Jubbal</b>	0.46tpd Raw material processed.	No provision for leachate collection	N.A
10.	<b>M.C. Solan</b>	No Compost is being formed	No provision for leachate collection	N.A
11.	<b>M.C. Nalagarh</b>	No Compost is being formed	No provision for leachate collection	N.A

12.	<b>M.C. Parwanoo</b>	No Compost is being formed	No provision for leachate collection	N.A
13.	<b>M.C. Baddi</b>	No Compost is being formed	Leachate collection tank has been constructed at site.	N.A
14.	<b>NP Arki</b>	Quantity of residual wasteland filled.	No provision for leachate collection	N.A
15.	<b>M.C. Nahan</b>	Compositing: Qty of raw material processed 7 tpd. Qty of final product produced 1Qt per day. Quantity of residual waste landfilled 1.5 tpd.	No provision for leachate collection.	N.A
16.	<b>M.C. Paonta</b>	No Compost is being formed	No provision for leachate collection	N.A.
17.	<b>N.P. Rajgarh</b>	No Compost is being formed	No provision for leachate collection	N.A.
18.	<b>M.C. Bilaspur</b>	Quantity of raw material processed 400kg/day.	No provision for leachate collection	N.A.
19.	<b>M.C. Shri. Naina Devi Ji</b>	Composting: Quantity of raw material processed 600 to 1500 kg. Quantity of final product produced 30-40 kg per day.	No provision for leachate collection	N.A.
20.	<b>M.C. Ghumarwin</b>	No Compost is being formed	No provision for leachate collection	N.A.
21.	<b>N.P. Talai</b>	Quantity of raw material processed 0.80 tpd.	No provision for leachate collection	
22.	<b>M.C. Mandi</b>	No Compost is being formed	Yes provision for leachate collection	N.A.
23.	<b>M.C. Sundernagar</b>	No Compost is being formed	Yes provision for leachate collection	N.A
24.	<b>M.C. Nerchowk</b>	Honey comb compost pits constructed very soon work in progress.	No provision for leachate collection	N.A
25.	<b>N.P. Sarkaghat</b>	No Compost is being formed	No provision for leachate collection	N.A

26.	<b>N.P. Jogindernagar</b>	No Compost is being formed	No provision for leachate collection	N.A
27.	<b>N.P. Rewalsar</b>	No Compost is being formed	No provision for leachate collection	N.A
28.	<b>N.P. Karsog</b>	No Compost is being formed	No provision for leachate collection	N.A
29.	<b>M.C. Kullu</b>	The old SWM composting processing site has been closed due to Hon'ble NGT order.	YES provision for leachate collection	N.A.
30.	<b>M.C. Manali</b>	Composting done	YES provision for leachate collection	N.A
31.	<b>N.P. Bhunter</b>	Waste sent to Kullu	YES provision for leachate collection	N.A.
32.	<b>N.P. Banjar</b>	Composting: Quantity raw material processed 0.35 ton. Quantity of final product 0.35 ton.	No provision for leachate collection	N.A.
33.	<b>M.C. Una</b>	Composting: Quantity of raw material processed 200 kg. Quantity of final product produced under process.	No provision for leachate collection	N.A.
34.	<b>M.C. Santokhgarh</b>	No Compost is being formed	No provision for leachate collection	N.A.
35.	<b>N.P. Dalautpur</b>	No Compost is being formed	No provision for leachate collection	N.A.
36.	<b>N.P. Gagret</b>	No Compost is being formed	No provision for leachate collection	N.A.
37.	<b>N.P. Mehatpur</b>	No Compost is being formed	No provision for leachate collection	N.A.
38.	<b>N.P. Tahliwal</b>	No Compost is being formed	No provision for leachate collection	N.A.
39.	<b>M.C. Hamirpur.</b>	Quantity raw material processed 0.5 tpd. Quantity of final product produced 0.2 tpd. Quantity of residual waste	No provision for leachate collection	N.A.

		land filled 0.3 tpd.		
40.	M.C Sujanpur	No Compost is being formed	No provision for leachate collection	N.A.
41.	N.P. Nadaun	No Compost is being formed	No provision for leachate collection	N.A.
42.	N.P. Bhota	No Compost is being formed	Yes provision for leachate collection.	N.A.
43.	M.Corp. Dharamshala	Not being processed.	No provision for leachate collection	N.A.
44.	M.C. Kangra	Pit system	No provision for leachate collection	N.A.
45.	M.C. Palampur	Not being processed.	No provision for leachate collection	N.A.
46.	M.C. Nurpur	Not being processed.	No provision for leachate collection	N.A.
47.	M.C. Nagrota	All the garbage collected and sends to the SWM project kangra for disposal.	No provision for leachate collection	N.A.
48.	M.C. Dehra	N.A.	N.A.	N.A.
49.	M.C. Jawalamukhi	Not being processed.	No provision for leachate collection	N.A.
50.	N.P. Jawali	Not being processed.	No provision for leachate collection	N.A.
51.	N.P.Baijnath-Paprola	Not being processed.	No provision for leachate collection	N.A.
52.	M.C. Chamba	Not being processed.	No provision for leachate collection	N.A.
53.	M.C. Dalhousie	Not being processed.	No provision for leachate collection	N.A.
54.	N.P. Chowari	No compost pits are constructed.	No provision for leachate collection	N.A.
55.	Cantonment board jatogh	Not being processed.	No provision for leachate collection	N.A.
56.	Cantonment board Kasauli	Not being processed.	No provision for leachate collection	N.A.
57.	Cantonment board yol	N.A.	N.A.	N.A.
58.	Cantonment board	Not being processed.	No provision for leachate	N.A.

	Dalhousie		collection	
59.	Cantonment board bakloh.	Composting , Qty. raw material processed 150-1700Kgs	No provision for leachate collection	N.A.
60.	Cantonment board subathu	Composting , Qty. raw material 0.9tpd .Qty. final product produced 0.09tpd Qty. sold 0.0tpd.	Yes provision for leachate collection	N.A.
61.	Cantonment board dakshai	Not being processed.	No provision for leachate collection	N.A.

**Note:-** The information in the statement is compiled based on the reports filed by Local Bodies and / or concerned Regional Officers of the State Board.

## **Current Status on Solid Waste Management in HP**

There are 54 ULBs, consisting of two Municipal Corporations, 31 Municipal Councils and 21 Nagar Panchayats existing in the State of HP. It is submitted that there is 7.13 Lakh Urban population (as per census 2011) and waste generation is approximately 370 TPD in the State of HP.

As per rule 23 of Solid Waste Management (SWM) Rules 2016 State Level Advisory Body has been constituted by the State Govt. on 28-1-2017.

All ULBs (54ULBs and 7 Cantonment Boards) in the State have prepared Solid Waste Management Action Plans. All these Action Plans have been uploaded on website of Urban Development Departments (*ud-hp.in*) similarly, all the Gram Panchayats i.e. 3226 have prepared their SWM Action Plans.

Since the date of enforcement of segregation of waste at source and its Door to Door collection i.e. 1<sup>st</sup> April, 2019, out of 497 wards, the door to door garbage collection is in practice in 486 wards, segregation at source has been started in 471 wards. Further, all the 7 Cantonment Boards are doing Door to Door Garbage Collection and Source segregation of waste implemented within their jurisdiction. Now, the efforts are to make the segregation at source and door to door collection sustainable by engaging / collaborating with the organizations such as WASH, UNDP etc for handholding the ULBs.

Door to Door segregated waste collected is being transported to the processing/disposal facility to the present facility in the covered vehicles only. The ULBs have either done modification of vehicles or are using tarpaulin to cover the waste while transportation so as to prevent any spillage during the process. H.P. State Strategy on Solid Waste Management prepared and implemented.

For clearing the hotspots in cities/towns a special campaign has been launched in the State under which 28 No. of garbage littering vulnerable points in Solan, Hamirpur, Kangra & Shimla ULBs have been converted into small gardens/sitting places by placing benches, flower pots and planting ornamental plants in the area.

State Government has adopted the decentralized waste processing facility approach for management of Solid waste which is as mentioned below:

- Collection of Door to Door segregated waste.
- Separate transportation of segregated Door to Door collected waste to Solid Waste processing facility.
- For management of wet (biodegradable) waste, aerobic microbial honeycomb pit composting technique has been adopted.
- For management of (non-biodegradable) waste, Material Recovery Facility (MRF) shall be developed in each ULB. The recyclables so segregated will be sent to the recyclable industries through the integration of the Rag-pickers/Scrap-dealers while, the non-recyclable Segregated Combustible Fraction (SCF) is to be sent to the cement factories as Refuse Derived Fuel (RDF) for co-processing and Public Works Department (PWD) for road metaling. In each ULB to make the storage and transportation of the recyclables/SCF convenient, one baling machine shall be installed in each ULB.
- To setup domestic hazardous waste collection centre/kiosk in each ULB for collection of segregated domestic hazardous waste. These kiosks shall have tie-up with the Common Hazardous Waste Treatment & Disposal Facility in the State for safe disposal of same. To manage the sanitary waste, an incinerator will be installed in each ULB.
- To deal with the legacy waste, Trommel/screening machine will be installed in identified 15 ULBs having legacy waste. Further, supply orders for procurement of 47 baling machines, 10 Trommel/Screening machines and 54 sanitary waste incinerators have been placed to the vendors through Government e-Marketplace (GeM).

For establishment of decentralized waste processing facility in each ULB, land parcel has been identified in all 54 ULBs and 7 Cantonment Boards. Three ULBs namely Nagrota Bagwan, Rewalsar and Mehatpur Basdehra are having joint land with Kangra, Mandi and Santokhgarh ULBs respectively.

State of Himachal Pradesh has identified three regional sanitary landfill sites as cluster approach as mentioned below:-

- Shimla (covering ULBs of Shimla, Solan and Sirmaur Districts)
- Una (covering ULBs of Una, Hamirpur and Bilaspur Distt.) and
- Kangra (covering Kangra, Chamba, Mandi and Kullu Districts).

To develop Sanitary Landfills in above identified locations, the State Government is proposing to develop these projects under Public Private Partnership (PPP) mode.

Municipal Corporation Shimla has established one Waste to Energy plant at Bhariyal, Shimla on Gasification technology, having capacity of generating 1.75MW of electricity. The plant has been established by the project proponent, M/s Elephant Energies Pvt. Ltd. on PPP mode. One section of the plant prepares Refuse Derived Fuel (RDF) by shredding, homogenization and drying of the waste being received at site. In second section the RDF is fed into gasifiers, to produce syngas which is then utilized to run the engine which produces electricity. Out of the above two, first section of RDF production has been made functional as of now and in the second section the gasifiers are yet to be installed. The RDF so produced in the first section is being sent to Ambuja cement plant at Darlaghat, Distt. Solan, H.P. to be used in cement kilns for co-processing. Out of 4 proposed gasifiers to be installed in the plant, one gasifier which has been modified and tested in Australia to suite waste condition of India, shall be installed and made operational by 31<sup>st</sup> July, 2019. In addition, the Municipal Corporation Shimla has also installed one biogas plant of capacity 1 Tonnes Per Day (TPD) which has been made operational as well. Waste processing facilities have been developed as per the details below:

<b>Method used for biodegradable waste management</b>	<b>No. of ULBs</b>	<b>Method used for non-biodegradable waste management</b>	<b>No. of ULBs</b>
Honeycomb model/pit composting	34	Material Recovery Facility	42 (5 having joint with other ULB)
Organic Waste Convertor	2	Temporary MRF (recyclables extracted & sold)	7
Waste fed to piggery	2		
Waste to Energy plant (1.75MW)	5ULBs (1 at Shimla plant)		

In addition, 1 biogas plant has also installed at Shimla (Capacity 1TPD)	covering 4 other ULBs namely Parwanoo, Rajgarh, Solan and Theog.		
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In remaining ULBs, the construction of composting pits is in progress meanwhile the temporary composting pits have been constructed in such ULB by means of bamboo material, CGI sheets and iron mesh/net. Therefore, it is submitted that out of total waste generated in the State of H.P., more than 70% of same is being managed/processed/treated through above mentioned facilities.

As far as the non-recyclable material is concerned, the Segregated Combustible Fraction (SCF) is packed and being sent to three cement plants situated in the State of Himachal Pradesh namely ACC at Barmana, Ultratech at Bagha and Ambuja at Darlaghat. In order to facilitate and ease out the process, the Directorate of Urban Development has initiated the process to sign the master Memorandum of Understanding (MoU) with the cement plants, covering all the ULBs in the State for supplying SCF to the identified and designated cement plant only by evolving standard operating procedure at the State Level.

Himachal Pradesh has identified 15 major old dumping sites in the ULBs namely, Parwanoo, Solan, Bilaspur, Sundernagar, Mandi, Una, Santokhgarh, Kangra, Dharamshala, Chamba, Hamirpur, Nurpur, Kullu, Shimla and Nahan. At present, remediation of legacy sites at 7 sites is being done manually however supply order has been placed for procurement of 10 Trommel/screening machines in order to expedite the remediation at 10 locations that is Solan, Nahan, Bilaspur, Sundernagar, Chamba, Hamirpur, Dharamshala, Kullu, Shimla and Una. Legacy waste of one ULB namely Santokhgarh shall be processed at machinery being installed at Una. While, in remaining four locations the legacy waste is being remediated through PPP mode by engaging private parties viz at Parwanoo, Nalagarh, Baddi, and Mandi.

It is relevant to submit here that bids have been invited for procurement of 10 Trommel/screen machine through Government e-Marketplace (GeM) portal and supply order has been placed. Hence, the efforts are being made to remediate these old waste dumped sites within the time frame mentioned in the ibid rules.

State Pollution Control Board has submitted the Annual Reports of Solid Waste, Plastic Waste and Construction and Demolition Waste to CPCB on 12.04.2019.

State of Himachal Pradesh has notified six towns/cities vide notification No.-UD-E(3)-8/2017-I dated 26.3.2019 viz. Hamirpur, Kangra, Nahan, NainaDevi, Shimla and Sundernagar to make them fully compliant of environment norms within the timeframe given by Hon'ble NGT. Notification has been uploaded on the web site ud-hp.in. It is relevant to submit here that the Department of Urban Development has already issued Request for Proposal (RFP) as such on dated 11.06.2019 to hire expertise to be deployed in cities at the State and District level, in order to strengthen the capacity of ULBs to comply with the Waste Management Rules.

That similarly, the steps have been taken to make the remaining ULBs fully compliant of environmental norms within the time frame granted by the Hon'ble NGT.

The scheme for registration of rag-pickers and Scrap-dealers has been framed in the State under which 330 rag-pickers have been registered. The State Government has also decided to extend the benefit under "Himcare", a Health Care scheme of State Government and other social welfare schemes such as regular health checkups, Pradhan Mantri Shram Yogi Yojna.

An intensive IEC campaign has been launched in the State through ward level committees in all ULBs for making waste generators aware of the SWM Rules, 2016.

State Government has also formulated H.P. State Policy on C&D Waste Management, the draft of which is uploaded on the website of Urban Development Department for calling objections from general public. After addressing the objections/suggestions of general public, the policy will shortly be notified for implementation.

To review the SWM Rules, 2016 State Level Committee was constituted as per the directions of the Hon'ble NGT order dated 16.01.2019 under the Chairpersonship of Smt. Rajwant Sandhu (Former Chief Secretary) H.P. Five meetings of the Committee have been convened till date i.e. on **22.02.2019, 09.04.2019, 09.05.2019 and 10.06.2019 and 06.07.2019** with the stakeholder Departments i.e. Urban Development, Rural Development, Forest, Environment Science & Technology, State Pollution Control Board, Civil Supplies Department, Tourism, National Highway Authority of India, Health & Family Welfare, Public Works and Education. In the SLC meetings the matter of compliance with the waste management rules is being reviewed

by the SLC Chairperson and accordingly directions are also being given which are being complied with by the concerned Departments and report of same is submitted by Chairperson SLC to the Hon'ble NGT.

Further, the Chairperson SLC has also reviewed the matter at **District Level meetings conducted** during her visits to Una, Hamirpur, Kangra, Solan, Sirmaur, Shimla, Bilaspur, Mandi and Kullu Districts to assess the progress made by ULBs Under SWM Rules 2016, PWM 2016 and Construction and Demolition Rules 2016, which were attended by concerned Deputy Commissioners, Sub Divisional Magistrates, Block Development Officers, Elected Representatives of ULB, Distt. level officers, ULB officials and other stakeholders.

**Urban Development Department has appointed Nodal Officers**, not below the rank of Joint Director, to monitor the progress by the ULBs assigned to them and assist or hand hold these ULBS to comply with the directions of Hon'ble NGT (who are regularly monitoring the compliance in ULBs assigned to them).

## **SWM IN RURAL AREAS**

To manage the Solid Waste generated in rural areas, Rural Development Department has circulated Standard Operating Procedures and Model Solid and Liquid Waste Management Plan Template to all the Districts and Blocks of the State so that they can prepare effective and action-oriented plans in respect of their Panchayats/ Blocks. The 3226 Gram Panchayats in 12 Districts have been categorised as follows:

- a. Panchayats through which National Highway or major State Highway pass resulting in roadside hot spots (503 panchayats);
- b. Panchayats that have major tourist destinations (194 panchayats);
- c. Panchayats that are semi-urban/peri-urban in character (177 panchayats);
- d. Panchayats located near the industrial areas of the State (63 panchayats); and
- e. Panchayats that are predominantly Rural in character (2289 panchayats).

All these Panchayats have prepared their SLWM Plans based on their specific requirements and problems and have started implementing the same

In order to priorities 1000 Gram Panchayats that have more problem owing to their location, it has been decided to make these Zero Waste GPs by 31<sup>st</sup> March, 2020. In the first phase 500 GPs will be made Zero Waste by 2<sup>nd</sup> October, 2019 and remaining 500 will be made Zero Waste Panchayats by 31<sup>st</sup> March, 2020. The remaining

Panchayats and/or those Panchayats which are predominantly rural do not have any major problem of wet waste as kitchen waste is fed to animals. As the volume of plastic waste is not much in these Panchayats, a different strategy has been adopted for them.

Some of the Gram Panchayats have developed Best Practices that are being replicated throughout the State. These Gram Panchayats such as Aima in District Kangra; Ajauli in District Una; Lana Balta in District Sirmour; Nauri in District Solan; Pooh in District Kinnaur have been developed as Model Panchayats and training centres for providing training on Solid & Liquid Waste Management. The practices and processes developed by these GPs are being shared with other Gram Panchayats in the State.