

Annual Report
Plastic Waste Management Rules, 2016,
For the year - 2017-18

Name of SPCB/ PCC/ Regional Office	Estimated Plastic Waste generation per annum (TPA)	No. of Registered Plastic manufacturing/ Recycling (including multilayer, compostable units (Rule 9))			No. of Unregistered Plastic Manufacturing /recycling units in Residential / unapproved areas.	Details of plastic waste management e.g collection segregation disposal co-processing and road construction Rule-6 Attach Separate Sheet	Partial or complete ban on usage of plastics carry bags (through executive order) Attach list of plastic /cities towns.	Status of Marking labeling on carry bags. Rule-8	Explicit pricing of carry bags Rules 10	Details of the meeting of state level Advisory Body on Implementation Rule-11	No. of violations and action taken on non-compliance of provisions of these rules	Number of Municipal Authority under Jurisdiction and submission of Annual Report to CPCB Rule-12
		Plastic Units	Compostable Plastic Units	Multi Layered Plastic Units								
Regional Officer HPPCB Shimla	3001.395 tons	---	---	---	---	Attached Annexure – I (Plastic Waste)	Complete ban on usage of carry bags	NA	NA	Proceeding Attached as Annexure –II of (SLAC)	---	Total ULB-9 Municipal Authority submitted Annual Report <ol style="list-style-type: none"> 1. MC Shimla 2. MC Rampur 3. MC Theog 4. MC Rohru 5. NP Narkanda 6. NP Snni 7. NP Chopal 8. NP Kotkhai 9. MP Jubbal
Regional	546.05	---	---	10	16	--do--	--do--	--do--	--do--	--do--	---	Total ULB—5

Officer HPPCB Solan	tons											Municipal Authority Submitted Annual Report 1. MC Solan 2. Parwanoo
Regional Officer HPPCB Sirmour (Paonta Sahib)	1.485 tpd	---	---	---	02	--do--	--do--	--do--	--do--	--do--	---	Total ULB—3 Municipal Authority Submitted Annual Report 1. MC Nahan 2. MC Paonta 3. NP Rajgarh
Regional Officer HPPCB Bilaspur	0.626 tons	---	---	---	---	--do--	--do--	--do--	--do--	--do--	---	Total ULB—4 Municipal Authority Submitted Annual Report 1. MC Bilaspur 2. MC Shri Naina Devi Ji 3. MC Ghumarwin 4. NP Talai
Regional Officer HPPCB Mandi	326.3 tons	---	---	---	---	--do--	--do--	--do--	--do--	--do--	---	Total ULB—7 Municipal Authority Submitted Annual Report 1. MC Mandi 2. MC Sundernaga r

												3. NP Sarkaghat 4. NP Rewalsar
Regional Officer HPPCB Kullu	8.575 tons	---	---	---	---	--do--	--do--	--do--	--do--	--do--	---	Total ULB—4 Municipal Authority Submitted Annual Report 1. MC Kullu 2. MC Manali 3. NP Bhunter 4. NP Banjar
Regional Officer HPPCB Una	0.180 tons	---	---	02	06	--do--	--do--	--do--	--do--	--do--	---	Total ULB—6 Municipal Authority Submitted Annual Report 1. MC Una 2. NP Tahliwal
Regional Officer HPPCB Hamirpur	11.765 tons	---	---	---	---	--do--	--do--	--do--	--do--	--do--	---	Total ULB—4 Municipal Authority Submitted Annual Report 1. MC Hamirpur 2. MC Sujanpur 3. NP Nadaun 4. NP Bhota

Regional Officer HPPCB Kangra	6.48 tons	---	---	---	---	--do--	--do--	--do--	--do--	--do--	---	Total ULB—9 Municipal Authority Submitted Annual Report 1. MC Nagrota 2. MC Jawalamukhi 3. MC Palampur 4. MC Nurpur 5. MC Dehra 6. NP Bajnath 7. MC Dharamshala
Regional Officer HPPCB Chamba	0.371 tons	---	---	---	---	--do--	--do--	--do--	--do--	--do--	---	Total ULB—10 Municipal Authority Submitted Annual Report 1. MC Chamba 2. MC Dalhousie 3. NP Chowari 4. Cantonment Board Jatogh 5. Cantonment Board Kasauli 6. Cantonment Board Yol 7. Cantonment Board Dalhousie 8. Cantonment Board

												Subathu 9. Cantonment Board Dakshai 10. Cantonment Board Bakloh
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Note: - The information in the statement is compiled based on the reports field by Local Bodies /concerned Regional Officer of the state Board.

**Annexure –I
(Plastic Waste)**

Sr. No	Name of ULB	Collection	Segregation/ Storage/Transportation	Disposal/Processing/Manpower
1	M. Corporation Shimla	<ul style="list-style-type: none"> • Population- 242000. • Total number of wards in the area under jurisdiction is 34. • Total no of house hold in the area is 36007. • D2D collection in 36007. • Total number of commercial establishments and Institutions in the area under jurisdictions & D2D is 4217. • The total waste generated and collected 10-12% (3000 tons). • Quantity of inert 5-8 tons/day send to landfill sites during the year. 	<ul style="list-style-type: none"> • All the collected plastic waste which is segregated at point source, through rag picker and some to the door to door garbage collector sold in open market by them which ultimately reaches in the recycling chain. • 102 litter bins are placed in the city. • MC Shimla has deployed 25 pickup vehicles, 6 tippers, 8 dumper placer, 2 compactors & 2 Swatchhtavahans for collection and transportation of the waste. MC has placed 68 dumper placer. 	<ul style="list-style-type: none"> • All collected waste through different sources are transported to Waste to Energy Plant at Bhariyal where it is processed as RDF and then sent to the cement industries by project proponents i.e. M/s Elephant Energy Pvt. Ltd. • It is estimated to be about 2700 tons/annum. About 300-450 tons/annual is directly entering in recycle chain through rag-pickers etc. • Facility used for processing and disposal:- Facility-I i) Name of operator – M/s Elephant Energy Pvt. Ltd., Waste to Energy Plant at Bhariyal. Capacity 100 tons/day. • Gasification Technology through RDF. • Registration Number: - A waste concession agreement is signed between MC Shimla & EEPL on 29/03/2016. Biogas plant is also installed. • Validity of Registration (up to) 20 years from the date of signing of Power Purchase Agreement between EEPL & HP State Electricity Board i.e. w.e.f. 16/05/2016 for 20 years. • 303 nos. of manpower deployed by the local body for the sweeping of street, collection, storage etc. • Manpower deployed by contractor are Street sweeping-96, casual workers-136, Sewer Man-25, staff at plant-4, D2D garbage collectors-484. • Difficulties- Tough topographic constraints and segregation of waste at source.
2	M.C. Rampur	<ul style="list-style-type: none"> • Population- 9239. • Total number of wards in the area under jurisdiction is 9. • Total no of house hold in the area is 3281. • D2D collection in 2560. • Total number of commercial establishments and 	<ul style="list-style-type: none"> • --nil-- 	<ul style="list-style-type: none"> • Manpower deployed by local body is 10 nos. and 2 nos. by contractor. • Action plan- Door to door top collection of solid waste is being managed and site for treatment of solid waste is being selected.

		<p>Institutions in the area jurisdictions is 1343 nos. and d2d is 1320.</p> <ul style="list-style-type: none"> The total waste generated is 0.06 tons and collected is 0.05 tone. 		
3	M.C. Theog	<ul style="list-style-type: none"> Population- 4351. Total number of wards in the area under jurisdiction is 7. Total no of household in the area under jurisdiction 1450. D2D collection is nil. Total number of commercial establishments and Institutions in the area jurisdictions is 305 nos. and d2d is 200. The total waste generated is 0.30 tons and collected is 0.22 tone. 	<ul style="list-style-type: none"> Plastic is being collected in separate bags regularly. 	<ul style="list-style-type: none"> 5 nos. of manpower deployed by local body and 27 no. of manpower is deployed by contractor for the sweeping of street, collection, transportation etc. Action Plan:- Almost D2D collection of garbage has started and site for SWM has been identified & FCA case thereof is under process.
4	M.C. Rohru	<ul style="list-style-type: none"> Population-6875. Total number of wards in the area under jurisdiction is 7. Total no of house hold in the area is 1547. D2D collection in 1547. Total number of commercial establishments is 800. Institutions is 16 in the area under jurisdictions. The total waste generated is 0.35 tons/day and collected 0.45 tons. 	<ul style="list-style-type: none"> Not being segregated 	<ul style="list-style-type: none"> 13 nos. manpower provided by local body and 7 nos. of manpower provided by contractor for street sweeping, transportation of waste etc. Action plan- Yes action plan has prepared.
5	N.P. Narkanda	<ul style="list-style-type: none"> Population-901. Total number of wards in the area under jurisdiction is 7. Total no of house hold in the area is 126. D2D collection in 55. 	<ul style="list-style-type: none"> Not being segregated. 	<ul style="list-style-type: none"> Provided by local body 1 no. of hydraulic pickup and 4 nos. of sweepers are involved for management of plastic. Difficulties - Financial issue.

		<ul style="list-style-type: none"> • Total number of commercial establishments is 60. • Institutions are 2 in the area under jurisdictions. • The total waste generated is 1 tone and collected 0.50 tone and handed to PWD. • Plastic waste is collected in separate bag. 		
6	N.P. Suni	<ul style="list-style-type: none"> • Population – 2591. • Total number of wards in the area under jurisdiction is 7. • Total no of house hold in the area is 660. • Total number of institution is 15 in the area under jurisdictions. • The total waste generated and collected is 15 kg/day. 	<ul style="list-style-type: none"> • Segregation 50% at source by private agency. 	<ul style="list-style-type: none"> • Manpower deployed 12 and 1 tipper by local body for street sweeping, collection, transportation etc. • Action Plan- Yes to be submitted.
7	N.P. Chopal	<ul style="list-style-type: none"> • Population – 1851. • Total number of wards in the area under jurisdiction is 7. • Total nos. of household in the area and household covered under D2D are 743. • Total number of commercial and institution is 155 in the area under jurisdictions. • The total waste generated and collected is 0.030 ton. • Waste channelized for recycling and for use is 0.030 tons. • Waste sent to landfill during the year 0.015 tons. 	<ul style="list-style-type: none"> • Plastic materials are sold by rag picker. 	<ul style="list-style-type: none"> • 3 nos. of manpower engaged for D2D collection. • 9 nos. of sweepers are deployed by local body for street sweeping, collection, transportation etc. • Action Plan- Prepared.
8	N.P. Kotkhai	<ul style="list-style-type: none"> • Population – 1190. • Total number of wards in the area under jurisdiction is 7. • Total no of household in the 	<ul style="list-style-type: none"> • Waste Segregation at source and collected by private agency. 	<ul style="list-style-type: none"> • 1 no of manpower employed by local body and 7 nos. by contractor for street sweeping, storage, transportation etc. • Action Plan- Preparing shortly.

		<p>area is 441.</p> <ul style="list-style-type: none"> • D2D collection in 7 wards. • Total number of commercial establishments is 100 and institutions are 10 in the area under jurisdictions. • The total waste generated is 0.4 ton and collected 0.2 tone. 		
9	N.P. Jubbal	<ul style="list-style-type: none"> • Population – 1640. • Total number of wards in the area under jurisdiction is 7. • Total no of household in the area is 442. • D2D collection in 107. • Total number of commercial establishments is 210 and institutions are 3 in the area under jurisdictions. • The total waste generated is 0.01, collected 0.009 tone and 0.001toninert or reject send to landfill. 	<ul style="list-style-type: none"> • Not being segregated 	<ul style="list-style-type: none"> • Action Plan - Yes action plan has prepared.
10	M.C. Solan	<ul style="list-style-type: none"> • Population – 40000 & 10000 floating. • Total number of wards in the area under jurisdiction is 15. • Total no of household in the area is 12000. • D2D collection in 9000. • Total number of commercial establishments and institution in the area under jurisdiction is 2100, number of commercial establishments is 1200, and institution is 15. • The total waste generated is 1.5 ton/day and collected 546 tone. 	<ul style="list-style-type: none"> • Only manual segregation at door steps and rest sent at Shimla SWM plant. • Main containers are collected and transported by MC Solan. 	<ul style="list-style-type: none"> • Quantity of plastic waste channelized for recycling during the year 150 tons, for use 600 tons and dent for land fill site 397 tons. • Facility provided by- Chandigarh collecting agents. • Manpower deployed safaikaramchari of MC Solan and outsource through society. • Action plan- Submitted a DPR to integrate the MSWM plant for better plastic waste management to implement the MSW Rules 2011& 2016. • MC has sent a separate proposal of plastic shredding machine for the production of RDF and pellets from the shredding plastic

11	M.C. Nalagarh	<ul style="list-style-type: none"> • Population – 10702. • Total number of wards in the area under jurisdiction is 9. • Total no of household in the area is 2535. • D2D collection in 2535. • Total number of commercial establishments and institution in the area under jurisdiction is 1304 and number of commercial and institutions establishments is 1304 covered under d2d collection. . 	<ul style="list-style-type: none"> • --nil-- 	<ul style="list-style-type: none"> • 15 numbers of manpower deployed by local body and 44 nos. of employee deployed by contractor for collection transportation etc. • Action plan- A combined SWM plant is being setup for BBNDA, MC Nalagarh, Baddi and Parwanoo is cluster at village kenduwal near Baddi.
12	M.C. Parwanoo	<ul style="list-style-type: none"> • Population – 10000. • Total number of wards in the area under jurisdiction is 9. • Total no of household in the area is 3500. • D2D collection in 2700. • Total number of commercial establishments is 500 and institutions are 11 in the area under jurisdictions. • The total waste generated is 0.5 tons/day and collected 140 tons. 	<ul style="list-style-type: none"> • Only Manual segregation at door steps and rest send at shimla waste management plant. 	<ul style="list-style-type: none"> • Quantity of plastic waste channelized for recycling during the year 15 ton, waste use 225 tons & sent to landfill sites during the year 125 tons. • Facility for processing and disposal of plastic waste is provided by Chandigarh collecting agents. Recycling of plastic waste for second quality plastic granules. • Manpower deployed by local body safaikaramchari of MC and outsource through society. • Difficulties – Main constraints are collected and transported due volumes of plastic waste. • Action Plan- MC Parwanoo has been submitted a DPR to integrate the MSW management plant for better plastic waste management to implement the MSW rule 2011 and 2016 Govt. of India .And MC has sent a separate proposal of plastic shredding machine for the production of RDF and pellets from the shredded plastic.
13	M.C. Baddi	<ul style="list-style-type: none"> • Population- 2991. • Total number of wards in the area under jurisdiction is 9 wards. • Number of Household in the area under jurisdiction 8352. • Household covered under 	<ul style="list-style-type: none"> • No segregation has been made in the town. All the waste send to Mars Envirotech Ltd. In mixed form. 	<ul style="list-style-type: none"> • --nil--

		<p>D2D collection 8352.</p> <ul style="list-style-type: none"> Total number of commercial and institutions in the area under jurisdiction and under D2D collection 2130 each. 		
14	N.P. Arki	<ul style="list-style-type: none"> Population – 3038. Total number of wards in the area under jurisdiction is 7 wards. D2D collection in 535. Total 40 number of commercial and institutions in the area under jurisdiction. There are 40 number of commercial and institutions covered by door to door collection. 	<ul style="list-style-type: none"> Planning for the segregation of plastic waste. 	<ul style="list-style-type: none"> Manpower two person are provided by local body and 10 person provided through contractor.
15	M.C. Nahan	<ul style="list-style-type: none"> Population – 29014. Total number of wards in the area under jurisdiction in 13 wards. Total number of household in the area under jurisdiction in 10036. Number of household covered by door to door to collection in 90000. Total number of commercial establishments and institution in the jurisdiction and covered under d2d collection 2770. Total waste generated is 0.75 TPD approx. 	<ul style="list-style-type: none"> Segregated plastic waste are sold by the rag pickers and plastic waste is also segregated at dumping site and stored. 	<ul style="list-style-type: none"> Shredder is required. The quantity of inert or rejects to landfill site during the year in 0.5 Tone. Collection Centre plastics materials and other materials are sold by the rag pickers whereas polythene are stored to handover to P.W.D Deptt. Local body own manpower deployed for collection including total 95 sweepers and 71 sweeping or 10 secondary storage. No Contractor or concessionary manpower deployed for collection. Difficulties-Financial Constraints. Action Plan-Yes prepared.
16	M.C. Paonta	<ul style="list-style-type: none"> Population – 25183. Total number of wards in the area under jurisdiction is 13. Total no of household in the area is 6042. 	<ul style="list-style-type: none"> Nil 	<ul style="list-style-type: none"> Mechanisms put in place for management of plastic waste- Handed over to HPPWD for construction of road. 82 nos. of manpower provided by local body and 72 nos. of manpower is provided by contractor for sweeping of street.

		<ul style="list-style-type: none"> • D2D collection in 2544. • Total number of commercial establishments and institution in the area 1480. • Total number of commercial establishments and institution covered by d2d is 620. • The total waste generated and collected 0.385tone. 		
17	N.P. Rajgarh	<ul style="list-style-type: none"> • Population – 3083. • Total number of wards in the area under jurisdiction is 7. • Total no of household in the area is 928. • D2D collection in 482. • Total number of commercial establishments and institution in the area 914. • Total number of commercial establishments and institution covered by d2d is713. • The total waste generated is 0.35 tone and collected 0.50 tone. 	<ul style="list-style-type: none"> • Plastic waste are collected by the local rag pickers & sale to kabadiwala and few quantity is collected and stored by NP. 	<ul style="list-style-type: none"> • Infrastructure required- Space to store plastic shredder is required. • Plastic waste are collected by the local rag pickers & sale to kabadiwala and few quantity is collected and stored by NP. • 8 nos. of sweepers and 1 no of driver are employed by local body for the street sweeping, collection, transportation etc. • Difficulties- Financial constraints and lack of land/space. • Action planhas been prepared.
18	M.C. Bilaspur	<ul style="list-style-type: none"> • Population – 13654. • Total number of wards in the area under jurisdiction is 11. • Total no of household in the area is 3334. • D2D collection in 3250. • Total number of commercial and institutions in the area under jurisdiction is 990. • Number of commercial and institutions in the area under jurisdiction is 990. • The total waste generated & collected 0.6 tone. 	<ul style="list-style-type: none"> • MC garbage is being collected in mixed form and dumped the same through landfill. • Segregation of waste not been done. 	<ul style="list-style-type: none"> • Facility used for processing and disposal of plastic waste- MOU is signed with ACC Barmana. • 11 nos. of manpower deployed by local body and 10 nos. of manpower deployed by contractor for collection, sweeping of street etc. • Difficulties- MC doesn't have recycling plant nearby.
19	M.C.	<ul style="list-style-type: none"> • Population – 7899. 	<ul style="list-style-type: none"> • D2D garbage 	<ul style="list-style-type: none"> • Plastic waste so generated is sent to ACC Barmana

	Ghumarwin	<ul style="list-style-type: none"> Total number of wards in the area under jurisdiction is 7. Total no of household in the area is 2200. D2D collection in 2200. Total number of commercial and institutions in the area under jurisdiction is approx. 850. 	collection started in segregated form.	<p>for disposal in kiln.</p> <ul style="list-style-type: none"> The NGO clean Green Ghumarwin is voluntarily doing D2D collection with MC. Required – Shredder is required.
20	Shri Naina Devi Ji	<ul style="list-style-type: none"> Population – 1204. Total number of wards in the area under jurisdiction is 7. Total no of house hold in the area is 323. D2D collection in 300. Total number of commercial establishments and institution in the area under jurisdiction is 300 & 2. Number of commercial establishments and institution is 300. The total waste generated is 0.026 t/day. 	<ul style="list-style-type: none"> --nil-- 	<ul style="list-style-type: none"> 18 nos. of manpower is deployed through contractor for street sweeping, secondary storage etc. Difficulties: - Shortage of staff and financial crises of the local body. Action Plan- Under consideration of the house.
21	N.P. Talai	<ul style="list-style-type: none"> Population – 2372. Total number of wards in the area under jurisdiction is 7. Total no of household in the area is 484. Total number of commercial and institutions in the area under jurisdiction is 417. The total waste generated is 0.0003 tone. 	<ul style="list-style-type: none"> --nil-- 	<ul style="list-style-type: none"> Most of the plastic waste is being collected by the rag pickers and remaining by the safaikaramchari. Manpower deployed by local body 4 safaikaramchari and 10 nos. of employees through contractor.
22	M.C. Mandi	<ul style="list-style-type: none"> Total number of wards in the area under jurisdiction is 13. Total no of household in the area is 8069. D2D collection in 8069. 	<ul style="list-style-type: none"> Segregation of non-biodegradable and sent for recycle and land fill of biodegradable. 	<ul style="list-style-type: none"> Landfills- Yes proper measures are being for the plantation at site etc. Transaction in covered vehicle. The plant has not yet been installed. I no. of site identified.

		<ul style="list-style-type: none"> • Total number of commercial and institutions in the area under jurisdiction is commercial 479 & institutions 14. • Number of commercial and institutions covered by door to door collection is commercial 479 & institutions 14. • Waste generated 24 mt/day. 		<ul style="list-style-type: none"> • For transportation 1 no. of truck-tipper, tractor trailer and dumper-placer (each) and 3 nos. of auto bins.
23	M.C. Sundernagar	<ul style="list-style-type: none"> • Population – 34344. • Total number of wards in the area under jurisdiction is 13. • Total no of household in the area is 6698. • D2D collection in 6022. • Total 8 number of institutions in the area under jurisdiction. • There are 8 number of commercial and institutions covered by door to door collection. • The total waste generated and collected is 34 tones and 24 tons recycling during the year. 	<ul style="list-style-type: none"> • Not being segregated 	<ul style="list-style-type: none"> • Manpower provided by local body 16 nos. and 53 nos. for street sweeping, storage etc. • Difficulties- Lack of SWM expert.
24	M.C. Nerchowk	<ul style="list-style-type: none"> • Population – 16305. • Total numbers of ward in the area under jurisdiction 11. • Nos. of household in the area 5000 approx. • 90% of household covered under D2D collection. • Total 7 nos. of commercial and institutional covered by door to door collection. 	<ul style="list-style-type: none"> • M.C. is planning for the segregation of plastic waste. 	<ul style="list-style-type: none"> • Own manpower 1no and 28 persons through contractor are deployed for sweeping, transportation, processing etc.
25	N.P. Sarkaghat	<ul style="list-style-type: none"> • Population – 5433. • Total number of wards in the 	<ul style="list-style-type: none"> • --nil-- 	<ul style="list-style-type: none"> • Quantity of waste sent to landfill in tons 20. • 5 nos. of regular employees deployed by local

		<p>area under jurisdiction is 7.</p> <ul style="list-style-type: none"> • Total no of house hold in the area is 1184. • D2D collection in 1184. • Total number of commercial establishments is 300 and institutions are 6 in the area under jurisdictions. • Covered under D2D collection commercial 300 and institutional 8. • The total waste generated is 0.3-0.4 ton. 		<p>body for collection, street sweeping etc. Sanitation contractor labors 25 nos.</p> <ul style="list-style-type: none"> • Action plan- No action plan has been prepared.
26	N.P. Jogindernagar	<ul style="list-style-type: none"> • Population – 5337. • Total number of wards in the area under jurisdiction is 7. • Total no of household in the area is 1268. • Total number of commercial and institutions in the area under jurisdiction is 2 and institutional 1. 	<ul style="list-style-type: none"> • --nil-- 	<ul style="list-style-type: none"> • Manpower provided by local body 10 nos. for street sweeping, transportation, collection etc.
27	N.P. Rewalsar	<ul style="list-style-type: none"> • Population- 1821. • Total number of wards in the area under jurisdiction is 7. • Total no of household in the area is 500. • D2D collection in 500. • Total number of commercial and institutions in the area under jurisdiction is 436. • Number of commercial and institutions in the area under jurisdiction is 100%. • The total waste generated and collected is 4 tones. 	<ul style="list-style-type: none"> • --nil-- 	<ul style="list-style-type: none"> • For processing and disposal of plastic waste sent to MC Mandi. • 14 nos. of manpower deployed by local body for processing, street sweeping etc.
28	N.P. Karsog	<ul style="list-style-type: none"> • Population- 3208. • Total number of wards in the area under jurisdiction is 7. 	<ul style="list-style-type: none"> • --nil--- 	<ul style="list-style-type: none"> • Yes Action plan has been made for improving SWM in the city

		<ul style="list-style-type: none"> Total no of household in the area is 850. Total number of commercial and institutions in the area under jurisdiction is Commercial establishments 300 and institute 56. 		
29	M.C. Kullu	<ul style="list-style-type: none"> Population- 18536. Total number of wards in the area under jurisdiction is 11. Total no of household in the area is 10760 approx. All household covered by door to door collection. Total number of commercial and institutions in the area under jurisdiction commercial are 1240 approx. All commercial establishments' institution covered by door to door collection. The total waste generated is and collected is 7.51 tons. Quantity of inert or rejects sent to landfill sites 1850 tons approx. 	<ul style="list-style-type: none"> Door to door collection and segregation on contract. 	<ul style="list-style-type: none"> Plastic waste sent to ACC Barmana for disposal. 35 nos. of manpower employed by local body and contractor each for the sweeping of street, collection, transportation etc. Infrastructure required- JCB, conveyor belt, segregation etc. Difficulties- It's all manual, technology should be made available. Local body is not financially sound. Action Plan- Not prepared.
30	M.C. Manali	<ul style="list-style-type: none"> Around 50% of total waste i.e around 900 tone sent for final disposal to land fill. 	Segregation is done	<ul style="list-style-type: none"> 1 no. of landfill facility available at Rangri. Technology used- Segregated and recyclable waste sent to landfilled site. Plastic waste sent for incineration to Barmana-189.85 mt. To Punjab-678.57 mt. Action Plan- MC has been in the process of Waste to Energy Plant and site to be made operational 31.03.2019.
31	N.P. Bhunter	<ul style="list-style-type: none"> Population- 4833. Total number of wards in the area under jurisdiction is 7nos. 	<ul style="list-style-type: none"> --nil-- 	<ul style="list-style-type: none"> Facility used for processing and disposal of plastic waste- Sent to ACC Barman. Difficulties- It's all manual, technology should be made available. Local body is not financially

		<ul style="list-style-type: none"> Total no of household in the area is approx. 1069. All household covered by door to door to collection. Total number of commercial and institutions in the area under jurisdiction is approx. 400. The total waste generated and collected is 30 kg/day. 		<p>sound.</p> <ul style="list-style-type: none"> Action plan- No action plan has been prepared.
32	N.P. Banjar	<ul style="list-style-type: none"> Waste generated 30 kg/day. Waste processed- 50 kg./day. 	<ul style="list-style-type: none"> --nil-- 	<ul style="list-style-type: none"> 50 kg/day inert or rejects send to landfill site.
33	M.C. Una	<ul style="list-style-type: none"> Population- 18722. Total number of wards in the area under jurisdiction is 11 nos. Total no of household in the area is 4226. 100% household covered by door to door collection. The total waste generated and collected is 40 kg. 	<ul style="list-style-type: none"> Segregation not done in the area 	<ul style="list-style-type: none"> Quantity of plastic waste channelized for use 40 kg and sent to landfill site during the year 1.0 qtl. 43 nos. of safaikaramchari on contractor are deployed for street sweeping, storage, transportation etc. Mechanisms put in place of Management of plastic waste- NavNirman media publicity Panchkula.
34	M.C. Santokhgarh	<ul style="list-style-type: none"> Population- 9363 Total number of wards in the area under jurisdiction is 9. Total no of household in the area is 2000. Total nos. of households covers under D2D collection 600. Total number of commercial and institutions in the area under jurisdiction Commercial establishments 3 and institute 4 area. D2D collection has been started in 09 wards and it will be covered all MC area soon as possible 	<ul style="list-style-type: none"> Garbage is being collected in mixed from so no segregation has been done at source. 	<ul style="list-style-type: none"> Plastic waste channelized for recycling and use and sent to land fill site- Garbage is being collected in mixed form and dumped the same through landfill. 3 nos. of manpower deployed by local body and 30 nos. deployed by contractor for the street sweeping, transports ion, collection etc. Difficulties: - MC can collect the garbage in segregated manner with the cooperation of public. Action Plan: - D2D collection have been started in 9 wards and it will be covered all the MC area as soon as possible.

35	N.P. Dalautpur	<ul style="list-style-type: none"> • Total population 3763. • Number of wards in the area under jurisdiction is 7. • No of household in the area is 853. • Number of household covered by D2D collection 250. • Commercial establishments under area of jurisdiction 650. • Commercial establishment covered under D2D 600. • Management of plastic waste in D2D collection is done by NP safaikaramchari. 	<ul style="list-style-type: none"> • Segregation not done in the area. 	<ul style="list-style-type: none"> • Yes through contractor 9 nos. of manpower deployed for street sweeping, transportation, collection etc.
36	N.P. Gagret	<ul style="list-style-type: none"> • Total population 3850. • Number of wards in area 7. • No of household in the area is 888. • Ward number 5 & 7 are covered by door to door collection. • Total number of commercial and institutions in the area under jurisdiction is 545. • Number of commercial and institutions in the area under jurisdiction is 500. 	<ul style="list-style-type: none"> • Segregation not done in the area 	<ul style="list-style-type: none"> • Mechanisms put in place for management of plastic waste in the area under jurisdiction along with the details of agencies involved in door to door collection -By N.P safaikaramchari (contractor). • Manpower deployed for collection including street sweeping through contractor-9 safaikaramchari.
37	N.P. Mehatpur	<ul style="list-style-type: none"> • Total population 9218. • Number of wards 9. • Nos. of household is 2086. • Total number of commercial and institutions in the area under jurisdiction is 443 commercial and 115 institutional. 	<ul style="list-style-type: none"> • Segregation not done in the area 	<ul style="list-style-type: none"> • No Landfill site and dumping sit. • Manpower employed under contractor-8. • Difficulties: - Lack of fund. • Action plan:- Under process
38	N.P.Tahliwal	<ul style="list-style-type: none"> • Total population 3565. • Number of wards in the area 	<ul style="list-style-type: none"> • Plastic waste collected 	<ul style="list-style-type: none"> • No dumping sites available. • Manpower- 3 person deployed for D2D

		<p>under jurisdiction is 7.</p> <ul style="list-style-type: none"> No of household in the area is 965. Commercial establishments 415 under area of jurisdiction and 210 commercial establishment covered under D2D. The total plastic waste generated and collected is 0.14 MT. 	separately in D2D collection.	<p>collection of plastic waste.</p> <ul style="list-style-type: none"> Infrastructure provided- 6 nos. of rehri, rickshaw. Infrastructure required I no. LMV. 3 nos. of sweepers are deployed by contractor for street sweeping storage etc. Action plan- Under process.
39	M.C. Hamirpur.	<ul style="list-style-type: none"> Population-12601. 11 tons plastic waste generated annually. Quantity of plastic waste generated 350 kg/day. Plastic waste collected during the year 2 ton. 	<ul style="list-style-type: none"> Plastic waste collected, segregated and disposed. 	<ul style="list-style-type: none"> 12 nos. of manpower deployed by local body and 52 nos. by contractor for street sweeping, collection, transportation etc. 350 kgs. Plastic handover to PWD. Action Plan- Yes prepared.
40	M.C Sujanpur	<ul style="list-style-type: none"> Total population 7943. Number of wards 9. Nos. of household in the area is 2238. Total number of institution in the area under jurisdiction is 13. The total waste and collected is 215 kg. 	<ul style="list-style-type: none"> Segregation not done in the area 	<ul style="list-style-type: none"> Required - Dumpsite required by M.C and polythene 215 kg is handover to P.W.D sub division Sujanpur to use for roads. Manpower Deployed 7 nos. and 20 nos. of manpower deployed by contractor for street sweeping, storage etc. Difficulties: - To dispose city garbage as there is no SWM plant in the city. Action Plan-Land has been identified for disposal of garbage but the public of the area has agitate against to made protest.
41	N.P. Nadaun	<ul style="list-style-type: none"> Total population 4430. Number of wards 7. No. of household in the area is 850. 5 nos. of household covered under d2d collection. The total waste generated and collected is 50 kg. 	<ul style="list-style-type: none"> Not being segregated 	<ul style="list-style-type: none"> D2D collection is done by sanitary staff. Facility used for processing and disposal of plastic waste is PWD Hamirpur. 18 nos. of manpower deployed by NP Nadaun for sweeping of street transportation etc.
42	N.P. Bhota	<ul style="list-style-type: none"> Total population 1453. Number of wards 7. Number of household 300 	<ul style="list-style-type: none"> --nil--- 	<ul style="list-style-type: none"> Mechanism put in place for management - Agencies will be involved supervision. Yes manpower is provided.

		<p>nos.</p> <ul style="list-style-type: none"> Total waste generated and collected 0.5 tons. 		<ul style="list-style-type: none"> Difficulties-Economic problem and manpower problem. Infrastructure required- SWM project.
43	M.Corp. Dharamshala	<ul style="list-style-type: none"> Total population 53543. Number of wards 17 wards. Number of household 12500. Number of household covered under D2D collection 2200. Number of commercial and institutions in the area under jurisdiction 1854 & D&D collection 702. Plastic waste generated during the year 2 ton and collected during the year 4 qtl. Quantity of plastic channelized for recycling- On progress, for use during the year- on progress and inert sent to landfill site 25 ton. 	<ul style="list-style-type: none"> --nil-- 	<ul style="list-style-type: none"> Mechanism put in place for management- Vishal Protection Force, Waste Warrior (NGO) and Tibetan Settlement (NGO). Processing and disposal of plastic waste- the polythene will be handed over to MC Kangra for recycling. 5 nos. of safaikaramchari provided by local body and 144 nos. of safaikaramchari are provided by Vishal Protection Force for street sweeping, collection, transportation etc. Action plan has been prepared.
44	M.C. Kangra	<ul style="list-style-type: none"> Total population 9528. Number of wards 9 wards. Number of household 2250. Number of ward covered under D2D collection 1-9. Number of commercial and institutions in the area under jurisdiction 375. Plastic waste generated during the year 175.2 ton. Plastic waste collected during the year 1 ton. 	<ul style="list-style-type: none"> --nil-- 	<ul style="list-style-type: none"> Processing and disposal of plastic waste- Through facility operator Doctor Gaurav Aggarwal and technology used sharder. Infrastructure- Site handed over to Doctor Gaurav Aggarwal and installed 1 shredder. 15 nos. of sweeper are deployed for the storage, collection, transportation and sweeping of street etc. Action Plan- Prepared.
45	M.C. Palampur	<ul style="list-style-type: none"> Total 3544 population. Number of wards in the area is 7. Total waste generated 0.5 tons. 	<ul style="list-style-type: none"> --nil-- 	<ul style="list-style-type: none"> Landfill system. 20 nos. of manpower deployed for the collection, sweeping, transportation of waste. Processing and disposal of plastic waste-M.C itself through labour engaged for needful.

				<ul style="list-style-type: none"> Difficulties: - No proper site for disposal of garbage.
46	M.C. Nurpur	<ul style="list-style-type: none"> Total population 9807. Number of wards 9 wards. Number of household 2160. Number of household covered 2160. Number of commercial and institutions in the area of jurisdiction and covered under d2d is 730. Total waste generated and collected 750 kg. The plastic waste is being collected by the KWARIES about 750 kg. 	<ul style="list-style-type: none"> 9 nos. of persons have been deployed for the segregation of plastic waste in store. 	<ul style="list-style-type: none"> 9 nos. of manpower deployed by local body and 38 nos. of contractor are employed for street sweeping, transportation etc. Action Plan- Action plan is under process
47	M.C. Nagrota	<ul style="list-style-type: none"> Total population 5900 as per census 2011+6500 floating. Number of wards 7. Number of household covered in the area of jurisdiction & under d2d is 1779. Number of commercial establishment and institutions in the area of jurisdiction 926. Number of commercial establishment and institutions covered by D2D collection is 926. Total waste generated and collected approx. 1 tone. 	<ul style="list-style-type: none"> Plastic waste collected in separate bags. 	<ul style="list-style-type: none"> Facilities used for processing and disposal of plastic waste-M.C. Kangra. Inert sent to landfill site – Vested with M.C. Kangra. 28 nos. of safaikaramchari are provided by local body and 28 nos. of manpower deployed by contractor for sweeping of street etc. Mechanisms - M.C Nagrota Bagwan has awarded the work of sanitation and door to door collection one to Sh. Sanjiv Kumar prop. Chaitnaya enterprises who have engaged 28 nos. of safaikaramchari for this work and these karamcharies are collecting the plastic waste separately in bags. Infrastructure - The waste which is being generated in M.C NagrotaBagwan is manually collected and transported through M.C vehicles. Infrastructure required- Shredding machine, Baling machine and JCB required. Difficulties- Managing plastic waste properly but the people of adjoining gram panchyat are unauthorized throwing the plastic waste & solid waste, which required to be controlled by the

				<p>admiration. Sanitary supervisor and more fund are required to effectively manage the plastic waste .As the source of income of MC are limited.</p> <ul style="list-style-type: none"> • Action Plan- Yes newly prepared.
48	M.C. Dehra	<ul style="list-style-type: none"> • Population - 4816. • Total number of wards in the area under jurisdiction is 7. • Total no of household in the area is 1142. • Number of household covered by door to door collection is 750. • Total number of commercial and institutions in the area under jurisdiction and covered under d2d collection35. • Quantity of plastic waste generated during the year0.72 tons. • Waste collected during the year 0.54 tons. • Waste channelizes for recycling and use during the year 0.54 tons and sent to land fill site 0.18 tons. 	<ul style="list-style-type: none"> • --nil-- 	<ul style="list-style-type: none"> • Processing and disposal of plastic waste- Through rag pickers. • 15 nos. of manpower deployed by local body for the collection, storage, sweeping of street etc. Name of contractor Maharishi Enterprise Dehra. • Difficulties- No E.O. & sanitary Supervisor. • Action plan has been prepared.
49	M.C. Jawalamukhi	<ul style="list-style-type: none"> • Population - 5361. • Total number of wards in the area under jurisdiction is 7. • Total no of household in the area is 1428. • Number of household covered by door to door collection is 1140. • Total number of commercial and institutions in the area under jurisdiction is approx. 526. • Yes commercial and 	<ul style="list-style-type: none"> • Plastic waste collected manual and put in store. 	<ul style="list-style-type: none"> • Infrastructure required- Shadring, Baling • Manpower deployed 10 nos. under local body and 32 nos. from contractor for collection, storage, transportation and sweeping of street etc. • Difficulties: - Lack of sanitation staff. • Action plan already prepared.

		<p>institutions covered under d2d collection in the area under jurisdiction is 421.</p> <ul style="list-style-type: none"> Quantity of plastic waste generated is 1.50 tone and quantity of plastic collected & channelizes for recycling during the year 0.25 ton. Inert sent to landfill site 0.070 tons. 		
50	N.P.Baijnath-Paprola	<ul style="list-style-type: none"> Population - 15449. Total number of wards in the area under jurisdiction is 11. Total no of household in the area is 2661. Number of household covered by door to door collection is 100%. Total number of commercial and institutions in the area under jurisdiction is approx. 712. Yes commercial and institutions covered under d2d collection in the area under jurisdiction is. Quantity of plastic waste generated and collected 10 kgs./days. 	<ul style="list-style-type: none"> --nil-- 	<ul style="list-style-type: none"> Plastic waste deposited PWD store. Infrastructure required- pit. Manpower deployed by local body and contractor 26 nos. for collection including street sweeping, storage, transportation etc. Yes action plan has been prepared.
51	NP Jawali	<ul style="list-style-type: none"> Population – 10778. Total number of wards in the area under jurisdiction is 9. Total no of household in the area is 2966. Total number of commercial and institutions in the area under jurisdiction Commercial establishments 1100 and institute 9. 	<ul style="list-style-type: none"> --nil--- 	<ul style="list-style-type: none"> 18 nos. of safikaramchari provided by contractor for street sweeping, storage transportation etc.
52	M.C. Chamba	<ul style="list-style-type: none"> Population – 19933. 	<ul style="list-style-type: none"> Not being 	<ul style="list-style-type: none"> Own Manpower deployed 10 nos. and 18 nos. of

		<ul style="list-style-type: none"> Total number of wards in the area under jurisdiction is 11. Total no of household in the area is 3410. Number of household covered by door to door collection is 60%. Total number of commercial and institutions in the area under jurisdiction is approx. 200. Number of commercial and institutions in the area under jurisdiction is approx. 200. Total waste generated is 6.0 qtl. 	segregated	manpower deployed by contractor for collection, street sweeping, collection etc.
53	M.C. Dalhousie	<ul style="list-style-type: none"> Population – 7051. Total number of wards in the area under jurisdiction is 9. Total no of household in the area is 1420. Total number of commercial and institutions in the area under jurisdiction and covered under d2d collection is 170. Total waste generated is 1-2 qtl and collected 1 qtl. 	<ul style="list-style-type: none"> Not being segregated 	<ul style="list-style-type: none"> Processing and disposal of plastic waste- Handed over to PWD department. 34 nos. of manpower provided by local body and 15 nos. of manpower provided by contractor for street sweeping, transportation etc. Action Plan- Prepared.
54	N.P. Chowari	<ul style="list-style-type: none"> Total population - 3770. Number of wards 7. Number of household 954. Number of household covered by door to door to collection 575. 110 nos. of commercial and 28 nos. of institution in the area of jurisdiction. Quantity of plastic waste generated 1 qtl. and collected 	<ul style="list-style-type: none"> Segregation is being done. 	<ul style="list-style-type: none"> Management of plastic waste - As far as plastic waste collection is concerned rag picker has been registered and they are deputed in dumping site for collection and segregation of plastic. Required – A hydraulic pickup is required for the collection of plastic waste. Dumpsite available and 4 nos. of manpower deployed at dump site. 7 nos. of manpower is deployed by local body and 14 nos. by contractor for the collection, storage, transportation etc.

		80 kg. During the year in the area of jurisdiction.		<ul style="list-style-type: none"> Difficulties- No infrastructure & mechanism available in NP Chowari& financial assistant is required. Action plan prepared. Infrastructure required - A hydraulic pickup is required for collection and segregation of plastic.
55	Cantonment Board Jatogh	<ul style="list-style-type: none"> Total population - 2062. Number of wards 2. Number of household in the area under jurisdiction is 81 civilian and 200 Army houses and d2d collection are covered under the jurisdiction. Quantity of plastic waste generated, collected, channelizedand use during the year 0.3600 tons. 	<ul style="list-style-type: none"> --nil--- 	<ul style="list-style-type: none"> 15 nos. ofsafaiwala, 01 no. mazdoor deployed by local body and 5 nos. of manpower deployed by contractor for street sweeping, collection, storage and transportation etc.
56	Cantonment Board Kasauli	<ul style="list-style-type: none"> Total population - 3885. Number of wards 6. Number of household in the area of jurisdiction and covered under d2d collection 460. Total number of commercial establishments and Institutions in the area under jurisdiction -Commercial establishments – 75 Insti. -2. Number of commercial establishments and Institutions covered by door to door collection - Commercial establishments – Institutions 100% 	<ul style="list-style-type: none"> Bin is used for the collection of plastic waste. 	<ul style="list-style-type: none"> Mechanisms –There is ban to use plastic in kasaulicantt. However the plastic by the tourist are collected by cantt board staff and disposed off at trenching ground at Dagsaicantt. Cantt. Board Kasauli. Employees deployed for collection including street sweeping, transportation etc. are by Board itself.
57	Cantonment Board YoI	<ul style="list-style-type: none"> Population – 12028. Wards in the area of jurisdiction-7. Number of household in the 	<ul style="list-style-type: none"> --nil-- 	<ul style="list-style-type: none"> 34 nos. of manpower deployed by local body and 13 nos. of manpower deployed by contractor for the sweeping of street, collection, storage etc. Difficulties – Paucity of fund.

		<p>area of jurisdiction – 1476.</p> <ul style="list-style-type: none"> • Number of commercial establishment and institution in the area of jurisdiction – 365. 		<ul style="list-style-type: none"> • Action plan – no.
58	Cantonment Board Dalhousie	<ul style="list-style-type: none"> • Total population - 3549. • Number of wards 6. • Number of household in the area under jurisdiction is 146 and household covered under d2d collection 146 + Military residential establishments. • Total number of commercial establishments and Institutions in the area under jurisdiction and covered under door to door collection is 70. • Quantity of waste generated collected and channelized for use during the year 2 qtls. 	<ul style="list-style-type: none"> • Plastic waste is being stored for its auction. 	<ul style="list-style-type: none"> • Manpower deployed 42 nos. of authorized strength by local body and 06 nos. of safaikaramchari are deployed by contractor for the collection of plastic waste.
59	Cantonment Board Bakloh	<ul style="list-style-type: none"> • Total Population - 1805. • No of household covered are 247. • Total number of commercial and institutional in the area of jurisdiction & covered under d2d collection 20. 	<ul style="list-style-type: none"> • --nil-- 	<ul style="list-style-type: none"> • 19 nos. of manpower deployed by local body and 10 nos. of safaikaramchari deployed for the collection including street sweeping, secondary storage etc.
60	Cantonment Board Subathu	<ul style="list-style-type: none"> • Total Population - 3685. • No of wards in the area of jurisdiction 6. • No of household in the area of jurisdiction and covered in D2D collection 505. • Number of commercial and institutions in the area of jurisdiction and covered under D2D collection is 100%. • Total quantity waste in 15 qtl. 	<ul style="list-style-type: none"> • There is ban to use plastic in SubathuCantt. • Segregation is being done in Cantt. Board. 	<ul style="list-style-type: none"> • Mechanisms – Ban to use plastic in SabathuCantt. • Processing and disposal of plastic waste- After Segregation the waste is being picked by rag picker and manpower deployed by Cantt. Board, Subathu, Distt. Solan itself.

		<p>per/day approx.</p> <ul style="list-style-type: none"> • Door to door garbage collection is being done by the CANTT board. 		
61	Cantonment Board Dakshai	<ul style="list-style-type: none"> • Population - 2904. • Total Numbers of the wards in the area under jurisdictions 6. • Total Numbers of Households in the area under jurisdiction & covered by door to door collection 577. • Total number of commercial establishments and Institutions in the area under jurisdiction -Commercial establishments – 28 Institutions 02. • Number of commercial establishments and Institutions covered by door to door collection - Commercial establishments Institutions are 100% 	<ul style="list-style-type: none"> • There is ban to use plastic in DagshaiCantt. 	<ul style="list-style-type: none"> • Manpower and facility used for processing and disposal- Cantt. Board Dagshaiitself.

Note: - The information in the statement is complied based on the reports field by Local Bodies /concerned Regional Officer of the state Board.