

2nd Six Monthly Progress Report in OA. No. 606/2018 in respect of Himachal Pradesh.

Progress Report of Sewage Waste Management in H.P.

As per the directions issued during the personal hearing on 16.03.2023, the Status of Sewerage generation and treatment has been reviewed by Chief Secretary, GoHP. Further, Additional Chief Secretary (JSV) to the GoHP is also reviewing on monthly basis. The execution of Sewerage Schemes has been severely affected due to unpredicted heavy rains in the month of July and August which caused hindrance in execution of work, Sewer network was badly damaged and sites have been flooded and damaged which slowed down the progress of work.

Brief is as under:

Status	As on March 2023	As on August 2023	As on February 2024	Remarks
Total No. of ULBs in the State	61	61	60	NP Anni has de-notified by the Govt.
Total No. of installed STPs/ ULBs with STP facility	67/36	67/36	72/40	Installed Capacity increased by (8.16 MLD) in 5 ULBs under JSV.
Sewerage generation in MLD (Year 2024)	91.95	91.95	93.86	Due to increase in population since September 2023
Installed Capacity of STPs in MLD (Year 2024)	114.80	121.903	137.163	Increase in capacity of 15.26 MLD since, August, 2023 (8.16 MLD of JSV & 7.10 MLD of SJPNL)
Sewage inflow in MLD	79.61	83.217	84.077	
Gap in installed capacity (Minus sign indicates no Gap)	-22.85	-29.953	-43.303	
Gap in treatment	12.34	8.733	9.738	The gap on account of connectivity/ HH sewer connection

During the review meeting held with Chief Secretary (GoHP) on 25.05.2023, the following directions were issued:

1. **Ring Fencing of Rs. 50.00 Cr.:** In this context it is apprised that as per the commitment given in the Hon'ble NGT the Personnel Ledger Account (PLA) to Ring Fence Rs. 50.00 Crore earmarked for Sewerage Schemes has been opened in the month of November, 2023 by the JSV. This ring fenced budget amounting to Rs. 50.00 Crore which was allocated for Sewerage Schemes during the F.Y 2023-24 had been fully utilized. Further this year also (24-25) the state has kept an allocation of about Rs 90 Crore for completion of sewerage schemes through Jal Shakti Department.
2. **Progress of Setting up of STPs to address the gap in sewerage management (w.e.f 01.09.2023-29.02.2024):**
 - **Jal Shakti Vibhag:-** Despite unprecedented rainfall and landslides, significant progress has been made in setting up of STPs. JSV has targeted to complete STPs in 9 Towns by March 2024. The Comparative progress is as under:

Sr. No.	Location of STP	Gap in 2023	Capacity (in MLD)	Status as on August -2023			Status as on Feb-2024			Remarks
				Netwo rking	STP		Netwo rking	STP		
					Civil	Mechan ical		Civil	Mech anical	
1	Gagret	0.42	3.14	97%	100%	97%	99%	100%	100%	STP commiss ioned
2	Rewalsar (Chalahar)	0.13	0.35	73%	96.5%	97.5%	90%	100%	100%	STP commiss ioned
3	Chowari	0.24	1.10	75%	100%	95%	75%	100%	100%	STP commiss ioned
4	Santokhgarh	1.18	2.50	0%	85%	85%	0%	90%	80%	STP will be commiss ioned by 30.04.20 24
5	Mandi- (Raghunath ka Padhar & Khaliyar)	1.09	6.28	53%	72%	25%	57%	78%	55%	STP will be commiss ioned by Decemb er 2024
6	Chamba (Parel)	0	0.87	75%	97%	97%	85%	100%	100%	STP commiss ioned

7	Dalhousie	0.70	2.70	97%	85%	80%	100%	100%	90%	STP commissioned
8	Parwanoo Zone-II	0.27	1.00	65%	75%	65%	65%	80%	65%	STP will be commissioned by 31.07.2024
9	Dharamshala	0	0.95	76%	100%	NA	80%	100%	100%	STP Commissioned

Earlier there was a gap of 22.15 MLD in 32 towns in year 2023, Now on Feb 2024, the gap has been reduced to 21.36 MLD in 28 Towns by installation of above 5 No. STPs in 4 Towns. The reduction in gap has been affected by non-availability of requisite funds under Sewerage head and huge damage due to unprecedented floods. Efforts are being made to complete the above remaining STPs.

Further, more efforts are being made to reduce the gap in 13 towns for which City sanitation Action Plan under SBM (U)-2.0 has been approved which will further reduce the gap by December, 2026.

- **Shimla Jal Prabandhan Nigam Limited:-** The comparative progress is as under:-

Sr. No.	Location of STP	Current Gap in 2023	Capacity (in MLD)	Status as on August -2023			Status as on Feb-2024			Remarks
				Netwo rking	Physical Progress (STP) in %		Netwo rking	STP		
					Civil	Mechan ical		Civil	Mech anical	
1	STP Malyana	No Gap	8.42	--	100%	100%	--	100%	100%	STP Complet ed
2	STP Dhalli	No Gap	2.26	--	100%	100%	--	100%	100%	STP Complet ed
3	STP Lalpani	No Gap	18.10	--	97%	83%	--	98%	95%	STP partially complete d

Efforts are being made to complete the STP Lalpani by April 2024.

3. Sewerage connections:

• Jal Shakti Vibhag

Urban Sector: Total 45540 connections have already been released upto August 2023. JSV has released 1000 No. connections by March 2024. Total released connections till February,2024-46540No.

Rural Sector: Total 1588 connections have already been released upto August 2023. JSV has released 261No. connections by March 2024. Total released connection till February 2024-1849 No.

• **Shimla Jal Prabandhan Nigam Limited:-** Total 34156 No. connections have already been released upto September 2023 and same connections till February, 2024.

The performance of existing STPs in the State of HP is at **Annexure-A**.

Further special efforts are being made to improve the compliance status of STP's by constructing additional infrastructure in existing units as well as new units are being planned, in heavily loaded STP's.

Progress Report of Solid Waste and Legacy Waste Management in urban Sector.

As per the directions issued during the personal hearing on 16.03.2023, the status of Legacy Waste and gaps in Solid Waste Management has been reviewed by concerned Administrative Heads at their level. Further, Principal Secretary (UD) is also reviewing on a weekly basis. Accordingly, necessary directions are being issued to eliminate the gaps. Here it is worth mentioning that work of disposal of waste and clearance of legacy waste has been severely affected due to unpredicted heavy rains in last monsoon season which caused hindrance in mobilization of equipments and machineries and sites have been flooded and damaged which slowed down the process of treatment of waste and transportation of RDF to cement plants. However, ULBs have made its sincere efforts to eliminate the gaps and clear the Legacy Waste. The progress made in the last six months is as under:

Solid Waste Management:

Status	As on August 2023	As on February 2024	Remarks
Total No. of ULBs in the State	61	60	NP Anni has de-notified by the Govt.
Total No. of Wards in the State	558	551	
Estimated Quantity of MSW Generated (TPD)	365 TPD (Wet:201, Dry: 146 & Inert: 18)	375 TPD (Wet: 206, Dry: 150 & Inert: 19)	The estimation has been revised keeping in view the estimated growth of population.

Estimated Quantity of MSW Collected (TPD)	365 TPD (Wet: 201, Dry: 146 & Inert: 18)	375 TPD (Wet: 206, Dry: 150 & Inert: 19)	The Segregation of dry and wet waste is approx. 70 to 80%.
Quantity of MSW Processed (TPD)	359 TPD	368 TPD	
Gap in waste processed (TPD)	6 TPD	7 TPD	

The ULB wise waste processing data is annexed as **Annexure-B**.

In case of Municipal Council Manali, it is submitted that a Waste to Energy (WTE) Plant was set up through M/S Next Gen. Chemicals for 35 TPD capacity, for which an agreement was executed between M.C, Manali and M/S Next Gen. Chemicals, but inspite of best efforts, the Plant could not be made functional by M/S Next Gen. Chemicals. As such concerned Municipal Council is facing great difficulties in processing the waste because there is no other alternate land to set up processing Plant by the Municipal Council inside MC limits. It is also submitted that Municipal Council, Manali generates 5-20 TPD waste which can be managed by the concerned ULB, but at present the Waste of all the adjoining Panchayats and adjoining District is also coming to the Waste Management site daily which is beyond the capacity of M.C. Manali. The concerned Deputy Commissioner has been directed to ensure proper Waste Management facilities in adjoining Gram Panchayats which falls under the limit of Rural Development Department as the Municipal Council Manali is unable to enforce regulatory measures under SWM Rules and environmental Laws beyond its limits.

Legacy Waste Management:

#	Details	As on August 2023	As on February 2024
a	No. of Legacy waste dumpsites	16	16
b	Quantity of legacy waste dumped at dumpsites – in Tonnes	2,63,641.00	2,79,483.00*
c	Quantity of Legacy Waste Cleared at dumpsites –in Tonnes	1,22,603.27	1,93,937.93
d	Quantity of Balance Legacy Waste at dumpsites - in Tonnes	1,41,037.73	85,545.07
e	No. of legacy waste dumpsites cleared (Bilaspur, Sunder Nagar, Sarkaghat, Rewalsar, Dalhousie and Baijnath)	04	06
f	No. of legacy dumpsites where bio mining has commenced	12	10
g	Timeframe for clearing all legacy dumpsites	-	December, 2024

*The quantity originally estimated in some ULBs was not estimated scientifically earlier and the actual legacy waste is much higher than the original estimates after digging at site. The estimation process through third party is under progress in some ULBs. However, the clearance of legacy waste is continued and the actual quantity may increase after scientific estimation report is received from the third party.

Note:The progress of clearance of legacy waste by M/s JBR Tech. at M.Corp. Mandi was not satisfactory as such its contract was terminated and fresh tender has been invited which is under evaluation and will be awarded after approval of the Election Commission of India.

(Legacy waste cleared from September 23 to February 2024 = 84356.71 Tonnes

71531.29 from already assessed quantity
12825.42 extra quantity as per * above.)

The Legacy Waste clearance data of ongoing sites is annexed as **Annexure-C**.

Progress Report of Solid and Liquid Waste in Rural Sector:

As per the directions issued during the personal hearing on 16/3/2023, the status of Legacy Waste and gaps in Solid Waste Management has been reviewed. Necessary directions were issued to the field for taking up activities under Solid Waste Management and Liquid Waste Management. Gram Panchayats are doing their best to gear up the progress under Solid and Liquid Waste Management. The progress made in the last six months is as under :

Status	Target	As on August 2023	As on February, 2024
SWM			
No. of PWMU established	88	8 (under construction) Total 28 +8 = 36	4 (under construction) Total 32+4 = 36
No of Segregation — cum Storage Shed	3615	1305	1404
LWM			
No. of Retrofitting single pit to Twin pit Toilets		48	61
Adding Soak Pits to Septic Tanks		2	3
Households having Soak pits/ other disposal of Grey Water		16963 - Soak Pits 290 – Leach Pits 133 – Magic Pits	28916 - Soak Pits 290 – Leach Pits 371 – Magic Pits
Community soak pits		4352	4717

Month wise performance reports of existing STPs								
Urban Sector								
Results for the month of January, 2024								
Sr. No.	Location	Existing STP Capacity in MLD	Compliance Status					Compliant or Non-Compliant
			pH	BOD	COD	FC	TSS	
1	Sh. Naina Devi Ji (Kola Toba dry nallah)	1.35	8.51	4	60	<1.8	48	
2	Ghumarwin (Bajohra MC ward)	1.2	6.98	15	136	1600	94	Compliant
3	Chamba -STP Barga -1	1.501	7.23	14	-	130	88.5	Non-Compliant for FC
4	Chamba -STP Barga-2	0.77	7.25	1.2	-	790	33.4	Compliant
5	Chamba -STP at Bhagot	0.89	6.95	6.4	-	2400	27.6	Non-Compliant for FC
6	Chamba-STP at Karian	0.49	7.87	8	-	540	28.2	Compliant
7	Hamirpur Town-Zone No. I	3.13	7.05	8	-	-	50	Compliant
8	Hamirpur Town -Zone No. II	1.35	6.61	15.2	-	-	83	Compliant
9	Hamirpur Town- Zone No. III	0.68	6.64	13.2	-	-	76	Compliant
10	Hamirpur- STP Ward No. 11	0.27	6.82	12.4	-	-	51	Compliant
11	Nadaun/ Nagarda Nr Hospital	1.69	7.35	18	-	1300	83	Non-Compliant for FC
12	Sewerage scheme to Sujampur Town(Zone I) Near HPSEB sub	1.5	7.35	6.4	-	840	30	Compliant
13	Sewerage scheme to Sujampur Town(Zone II) Near Govt ITI Doli	1.75	8.16	11.6	-	1300	83	Non-Compliant for FC
14	Nurpur- On the left bank of Jabber Khad near Bodh	3.13	7.99	4	-	170	1.8	Compliant
15	Dehra- Near Shamshan Ghat Dehra	1.38	7.61	6.6	-	2200	18.8	Non-Compliant for FC
16	Jawalamukhi- Near Petrol Pump Ganju Bag	2.83	7.81	1.4	-	170	1.1	Compliant
17	Dharamshala- Chellian	5.15	6.91	4.2	-	790	73	Compliant
18	Dharamshala -Old Charri Road	0.2	7.43	4	-	240	0.7	Compliant
19	Dharamshala -Ramnagar	0.03	7.18	1.6	-	790	1.3	Compliant
20	Dharamshala- Bhagsu	0.052	7.38	8	-	540	20.3	Compliant
21	Dharamshala- Chellian Near Nag Mandir	0.165	7.32	3.6	-	350	4.9	Compliant
22	Dharamshala-Mela ground Gamru	1.4	7.86	1.2	-	240	1.2	Compliant
23	Nagrota (village Tharu near Baner Khad)	1.34	6.9	16	-	5400	280.9	Non-Compliant for FC, TSS
24	Tanda-Right side bank of Baner Khad at Dr. RPGMG Tanda	1.4	6.85	1.4	-	540	11.4	Compliant
25	Kangra- STP Zone -I Near Senior Sec. School Kangra	1.68	6.85	1.2	-	790	7.6	Compliant
6.93	Kangra-STP Zone -II Near Bye pass Kangra	1.46	6.93	1.2	-	350	4.4	Compliant
27	Kangra- STP Zone -III Old Kangra near Fort	0.63	7.22	1.8	-	1400	32.1	Non-Compliant for FC
28	Palampur- Left Bank of Bihral Khad Bear Insp. Hut Palampur	0.351	8.36	1.2	-	350	5.5	Compliant
29	Kullu Town- Lanka Bekar	2.57	6.54	10	88	<1.8	35	Compliant

30	Kullu Town-Bhootnath	2.5	6.95	2	32	<1.8	10	Compliant
31	Kullu Town-Badah	0.38	7.86	14	92	<1.8	50	Compliant
32	Manali-Near Police Station Manali (1.82 to 3.00 MLD)	3	8.72	8	116	<1.8	92	Compliant
33	Bhunter -Mela Ground	0.99	7.04	43	124	1600	83	Non-compliant for FC & BOD
34	Bhunter- Sarabai	0.46	7.64	9	76	920	45	Compliant
35	Bhunter- Jarad	0.87						Sample not collected
36	Jogindernagar-Village Majahmoo	1.73	7.05	15.5	76	140	26	Compliant
37	Mandi -Raghunath ka Padhar	3.83	7.35	10.3	100	<1.8	48	Compliant
38	Mandi- Khaliyar	0.47	7.58	0.6	20	110	21	Compliant
39	Sundernagar (Chandpur)	3.55	7.79	0.9	8	<1.8	12	Compliant
40	Sarkaghat-Paplog Zone B	0.7	7.3	7	140	<1.8	192	Non Compliant for TSS
41	Sarkaghat-Barchhwar Zone-C	1.67	6.98	22	124	1600	50	Non Compliant for FC
42	Rampur-Khopri	1	7.34	7.5	-	<1.8	19	
43	Rampur-Chuhabag	0.5	7.94	55	-	<1.8	87	
44	Rohru- Near Radha Swami Petrol Pump	1.745	8.34	8	0	<1.8	16	Compliant
45	Jubbal- Below 22 KV Sub-Station HPSEB Jubbal Ghunglihar	0.651	7.61	4.7	0	280	27	Compliant
46	Kotkhai Town - Zone II	0.305	7.29	3.2	0	540	5	Compliant
47	Kotkhai Town - Zone III	0.163	7.03	7	0	1600	31	Non Compliant
48	Narkanda	0.45	-	-	-	-	-	Not collected
49	Theog	1.15						
50	Sunni	0.65	7.72	7.7	0	24	21	Compliant
51	Paonta Sahib -Zone -I (Devi Nagar)	0.44	7.6	10.5	0	1840	31	Non Compliant
52	Paonta Sahib-Zone -II (Main Bazar)	1	7.54	3.9	0	700	21	Compliant
53	Paonta Sahib-Zone -III (Jambu Ka Khalla)	1.72	-	-	-	-	-	Household connection to STP are under process.
54	Solan, Shamti	2.9						Sample not collected
55	Parwanoo	1	7.67	18	160	1600	32	FC not complying (Notice issued)
56	Arki Town	0.7	7.7	2	16	11	12	Complying
57	Baddi Town-Kenduwal	5.5						
58	Nalagarh Town-Mandiyapur	3.62	7.68	9.2	72	920	14	Complying
59	Una- Chandarlok Colony for Zone D	0.65						
60	Una- Rampur for Zone A&B	2.53	7.74	8.8	88	-	51	Compliant
61	Mehatpur- Zone A,B & C -Basdhera	0.73	7.52	13.6	124	-	79	Compliant

Rural Sector								
Sr. No.	Location	Existing STP Capacity in MLD	Compliance Status					Compliant or Non-Compliant
			PH	BOD	COD	FC	TSS	
1	Bharmour- Hadsar	0.21						Notice issued for the consent
2	Marhi-Manali	0.2	Sample not collected due to closure of Rohatang area due to snow bound conditions					
3	Sandhole Phase -I	0.31						CTE under process at HO
4	R/Peo -Sarbo	1	7.97	20	-	<1.8	33	
5	Sangla (Phase - II & III)	0.13						
6	Jakhri	1	8.28	13.9	-	<1.8	8.28	
7	Kunihar	0.9	7.63	4.4	36	13	19	Complying

SJPNL

Sr. No.	Location	Existing STP Capacity in MLD	Compliance Status					Compliant or Non-Compliant
			PH	BOD	COD	FC	TSS	
1	STP Lalpani	11	7.46	230	0	350	220	Non-Compliant
			7.76	195	0	350	270	Non-Compliant
2	STP Malyana	5.82	7.41	4.6	0	280	36	Compliant
			6	8.4	0	280	6	Compliant
3	STP Dhalli	2.26	6.89	6	0	540	10	Compliant
			7.41	22	0	350	54	Compliant
4	STP Snowdon	1.35	7.75	22	0	1600	19	Non-Compliant
5	STP North Disposal	5.8	8.14	27.5	0	540	47	Compliant
6	STP Summerhill	3.93	7.79	20	0	920	40	Compliant

ULB wise Waste Processing Data

Annexure-B

S.No	Name of ULB	Population in 2024	Waste generated/city/day in gm	Total waste gen. (TFD)	Wet waste (TFD)	Wet waste processed (TFD)	Gap	Method of processing	Dry waste	Dry waste processed (TFD)	Gap	Method of processing	Inerts	Inerts/ rejects Processed (TFD)	Gap	Method of Processing	Total quantity of waste processed (TFD)	Gap in processing (TFD)	Remarks
1	Chamba	27,918	300	8,3754	4,6847	4,61	0	OWC : 3 TPD Dt Composting : 1.5 TPD Gausdan : 0.11 TPD	3,35016	3,35	0	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.4188	0.4187	-	Used as filling of retaining walls	8,3754	-	-
2	Chowari	4,902	300	1,470639	0.8885	0.81	0	OWC : 0.5 TPD Dt Composting : 0.3 TPD Gausdan : 0.01 TPD	0.58826	0.59	0	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.0775	0.07531965	-	Used as filling of retaining walls	1,470639	-	-
3	Dalbasse	15,168	300	4,55025	2,50279	2.5	0	OWC : 1 TPD Dt Composting : 1.5 TPD	1.82021	1.82	0	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.2275	0.2275623	-	Used as filling of retaining walls	4,550246	-	-
4	Bilaspur	17754.30	300	5.33	2.93	2.93	-	Piggery : 2.93 TPD	2.13	2.13	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.27	0.27	-	Filling in retaining walls and is being Used in Ecoroaths	5.33	-	-
5	Ghatwarin	10271.07	300	3.08	1.69	1.69	-	Piggery : 1.69 TPD	1.23	1.23	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.15	0.15	-	Filling in retaining walls and is being Used in Ecoroaths	3.08	-	-
6	Nama Devi	7065.56	300	2.12	1.17	1.17	-	Pit Composting : 1.17 TPD	0.85	0.85	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.11	0.11	-	Filling in retaining walls and is being Used in Ecoroaths	2.12	-	-
7	Talai	5584.31	300	1.68	0.92	0.92	-	OWC : 0.92 TPD	0.67	0.67	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.08	0.08	-	Filling in retaining walls and is being Used in Ecoroaths	1.68	-	-
8	Jaydennagar	6939.70	300	2.08	1.15	1.15	-	OWC : 1 TPD Dt Composting : 1 TPD	0.83	0.83	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.10	0.10	-	Back filling in retaining walls and levelling of Katcha path etc	2.08	-	-
9	Karsag	3414.59	300	1.02	0.56	-	0.56	NA	0.41	-	0.41	NA	0.05	-	-	NA	-	1.02	The site for SWM has been identified and the site development work has already been done. The tender formalities for the construction of shed at SWM site has been completed and the work works has been awarded to the Govt. contractor on dated 26/02/2024 and the work is under progress and will be completed in the month of May 2024
10	Mandi	58801.21	300	17.64	9.70	9.7	-	Pit Composting : 10.02 TPD	7.06	7.06	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.88	0.88	-	Back filling in retaining walls and levelling of Katcha path etc	17.64	-	-
11	Nerdowki	11088.96	300	3.33	1.83	1.83	-	OWC : 2 TPD	1.33	1.33	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.17	0.17	-	Back filling in retaining walls and levelling of Katcha path etc	3.33	-	-
12	Kewalar	4367.85	300	1.31	0.72	0.72	-	Drum Composting : 0.8 TPD	0.52	0.52	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.07	0.07	-	Back filling in retaining walls and levelling of Katcha path etc	1.31	-	-
13	Sarlaghat	7249.17	300	2.17	1.20	1.2	-	Pit Composting : 1.5 TPD	0.87	0.87	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.11	0.11	-	Back filling in retaining walls and levelling of Katcha path etc	2.17	-	-
14	Sundernagar	31699.91	300	9.51	5.23	5.23	-	OWC : 6 TPD	3.80	3.8	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.48	0.48	-	Back filling in retaining walls and levelling of Katcha path etc	9.51	-	-
15	Arki	3952.91	300	1.19	0.65	0.65	-	OWC : 5 TPD & Pit Composting	0.47	0.47	-	MRF available & RDF/SCF is being sent sent to Cement plants for co-processing	0.06	0.06	-	Used for land filling and sent with RDF	1.19	-	NA
16	Isadi	44336.39	300	13.30	7.32	7.32	-	Waste is being processed at M/s JBR Waste to Compost plant located at Village Kendawal, Baddi	5.32	5.32	-	Waste is being processed by M/s JBR located at Vill. Kendawal, Baddi	0.67	0.67	-	Used for land filling work	13.30	-	Waste is being processed at M/s JBR Environment SWM plant under cluster approach
17	Nalagarh	18924.91	300	5.68	3.12	3.12	-	Waste is being processed at M/s JBR Waste to Compost plant located at Village Kendawal, Baddi	2.27	2.27	-	Waste is being processed by M/s JBR located at Vill. Kendawal, Baddi	0.28	0.28	-	Used for land filling work	5.68	-	Waste is being processed at M/s JBR Environment SWM plant under cluster approach
18	Parwanoo	16388.03	300	4.92	2.70	2.70	-	Waste is being processed at M/s JBR Waste to Compost plant located at Village Kendawal, Baddi	1.97	1.97	-	Waste is being processed by M/s JBR located at Vill. Kendawal, Baddi	0.25	0.25	-	Used for land filling work	4.92	-	Waste is being processed at M/s JBR Environment SWM plant under cluster approach
19	Solan	75000.00	300	22.50	12.38	12.38	-	Waste processing work has been outsourced to M/s Sunan life. Currently Wet waste is being processed at Contractor's Bio-Methanation plant located at Jarwar, Anbala	9.00	9.00	-	MRF Facility available (Contractor's facility at Anbala)	1.13	1.13	-	Used for land filling and sent with RDF	22.50	-	Waste processing work outsourced to M/s Sunan Life and the data is actual data of waste generation as provided by MC Solan
20	Kandaghat	2598.00	300	0.78	0.43	0.43	-	Currently waste being sent to MC Shimla Waste processing plant	0.31	0.31	-	Currently waste being sent to MC Shimla Waste processing plant	0.04	0.04	-	NA	0.78	-	Currently waste being sent to MC Shimla Waste processing plant

S.No	Name of ULB	Population in 2024	Waste generated/cu pits/day in gms	Total waste gen. (TPD)	wet waste	Wet waste processed (TPD)	Gap	Method of processing	Dry waste	Dry waste processed (TPD)	Gap	Method of processing	Inerts	Inerts/ rejects Processed (TPD)	Gap	Method of Processing	Total quantity of waste processed (TPD)	Gap in processing (TPD)	Remarks
21	Nahan	40726.93	300	12.22	6.72	6.72	-	OWC : 0.37 TPD Pi Composting : 0.71 TPD Thogres : 5.64 TPD being outsourced to be processed. M/s Sunitan. Life in its bio-chemical plant	4.89	4.89	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.61	0.61	-	used as fillers in Extrusion Process	12.22	-	the waste is processed by an associated firm (M/s Sunitan life) using Bio-mechanization & Extrusion Methodology.
22	Donta Sabh	37745.45	300	11.32	6.23	6.23	-	OWC : 3 TPD Pi Composting : 3 TPD Gausslan : 0.23 TPD	4.53	4.53	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.57	0.57	-	used as filling on walls and paths	11.33	-	-
23	Raigarh	4898.82	300	1.20	0.66	0.66	-	Gausslan : 0.66 TPD	0.48	0.48	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.06	0.06	-	used as filling on walls and paths	1.20	-	-
24	Banjar	1838.62	300	0.35	0.30	0	0.30	NA	0.22	0.22	-	Temporary MRF available and Dry waste is being sent to Rangri plant Manali for end disposal.	0.03	0.03	-	Used for filling	0.25	0.30	Currently NP Banjar does not have SWM facility for the processing of municipal waste. The wet waste is not being processed because the composting pits are completely broken due to heavy rain and land slide in last year and Dry waste is being sent to Rangri plant Manali for end disposal. A SWM land has been identified by NP Banjar at Mangalore Gram Panchayat but Gram Panchayat has refused to give NOC. NOC matter is also taken up with Dist. Administration for providing NOC from concerned Gram Panchayat. NP Banjar has also identified another sites at Chet and Bhyot Mod at Chetra Panchayat.
25	Bhanter	5818.84	300	1.75	0.96	0.96	-	Pit Composting : 1 TPD	0.70	0.70	-	Temporary MRF available. And Currently Dry waste is being sent to WTE plant Rangri, Manali for end disposal.	0.09	0.09	-	Used for Filling etc.	1.75	0.00	Currently NP Bhanter does not have its own SWM facility and Dry waste is being sent to Rangri plant, Manali. A SWM land has been jointly identified by NP Bhanter and MC Kullu but NOC is pending from Bhanter Gram Panchayat.
26	Kullu	25102.36	300	7.83	4.31	4.31	-	OWC : 3 TPD Gausslan : 0.50 TPD Others (Specify) : Approx. 0.81 TPD is taken by milk suppliers who came from neighbouring villages in daily basis.	3.13	3.13	-	MRF Facility available and Dry waste is being sent to SWM plant Rangri, Manali for end disposal.	0.39	0.39	-	Used for filling etc.	7.83	0.00	MC Kullu has setup machinery at MRF site and new land has been jointly identified by MC Kullu and NP Bhanter at Bhanter Gram Panchayat.
27	Manali	16027.23	300	4.81	2.64	0	2.64		1.92	1.92	-	MRF Facility: 30 TPD	0.24	0.24	-	Used for filling	2.16	2.64	MC Manali being unable to process wet waste because of inadequate space. Pits has been made for wet waste but due to weather condition the wet waste could not be processed. In the space left after processing the legacy waste, MC Manali will install OWC machine for processing of wet waste.
28	Nirmanad	2641	300	0.61	0.34	0.2	0.14	Pit Composting : 0.01 no. temporary pit.	0.24	0.11	0.13		0.03	0.03	-	Used for filling.	0.34	0.27	At present there is no land available for setting up SWM plant. A new land 3 Bigha Forest Land has been identified in Chitlana at Galey Panchayat for which Joint inspection has been carried out and NOC of the concerned Gram Panchayat has been received by this office. Non availability of non-forest land certificate for setting up of Solid Waste Management Plant in favour of Himachal Pradesh Urban Development Deptt (Nagar Panchayat Nirmanad), has also been received from the worthy Deputy Commissioner Kullu, but the Departmental Authorisation Letter from the worthy Director, UD is still awaited. After that the Nagar Panchayat Nirmanad will be able to process further for FCA.
29	Bhota	1889.34	300	0.57	0.31	0.31	-	OWC : 0.31 TPD	0.23	0.23	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.03	0.03	-	Used as filling of retaining walls	0.57	-	-
30	Hampur	22890.48	300	6.87	3.78	3.78	-	OWC : 3 TPD Pi Composting : 0.78 TPD	2.75	2.75	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.34	0.34	-	Used as filling of retaining walls	6.87	-	-
31	Nadaun	6020.39	300	1.81	0.99	0.99	-	OWC : 0.99 TPD	0.72	0.72	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.09	0.09	-	Used as filling of retaining walls	1.81	-	-

S.No	Name of ULB	Population in 2024	Waste generated (in pits) in gms	Total waste gen. (TPD)	Wet waste (TPD)	Wet waste processed (TPD)	Gap	Method of processing	Dry waste (TPD)	Dry waste processed (TPD)	Gap	Method of processing	Inerts	Inerts rejected (TPD)	Gap	Method of Processing	Total quantity of waste processed (TPD)	Gap in processing (TPD)	Remarks
32	Suanpur	10328	300	3.10	1.70	1.70	-	Pit Composting : 1.70 TPD	1.24	1.24	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.15	0.15	-	Used for filling of ball slope	3.10	-	
33	Dehra	6262.24	300	1.88	1.03	1.03	-	Pit Composting : 1.03 TPD	0.75	0.75	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.09	0.09	-	Used as filling of retaining walls	1.88	-	
34	Jwalamukhi	6970.81	300	2.08	1.15	1.15	-	OWC : 1.15 TPD	0.84	0.84	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.10	0.10	-	Used as filling of retaining walls	2.08	-	
35	Barnath	25588.33	300	7.68	4.22	4.22	-	Pit Composting : 2 TPD Dum Composting : 1 TPD Biogas : 0.5 TPD Gaussdan : 0.2 TPD	3.07	3.07	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.38	0.38	-	Filling in retaining walls and is being used on footpaths	7.68	-	
36	Dharambala	71358.47	300	21.41	11.77	11.77	0	OWC : 0.03 TPD Pit Composting : 2 TPD Dum Composting : 0 TPD Biogas : 5 TPD Gaussdan : 0 TPD Piggery : 2.5 TPD Others (Specify) : 2.24	8.56	8.56	0	RDF to Cement Inds. RDF sent to cement plant Ino. Material Recovery Facility (MRF) in ward no. 13 has been established with the help of Waste Warriors (NGO) with a capacity of processing upto 2 Ton of Dry waste per day. And 1 no. MRF is at SWM site at ward No. 6 with a capacity of 3 TPD. MC Dharambala has been Registered. 23 Nos. ragpicker and 9 Nos. scrap Dealer 3.56 ton dry waste sale by Garbage collector to scrap dealer	1.07	1.07	-	Filling in retaining walls and is being used on footpaths	21.41	-	
37	Jawali	11546.80	300	3.46	1.91	1.91	-	Pit Composting : 1.91 TPD Others (Specify) : Most of the households use wet waste for their animals.	1.3856	1.39	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.17	0.17	-	Filling in retaining walls and is being used on footpaths	3.46	-	25 nos. composting pits have been constructed and processing of wet waste has been started and Most of the households use wet waste for their animals. MRF has been also constructed for processing of dry waste. Shredder and Incinerator has been purchased. Electricity connection has also been taken.
38	Kangra	17389.26	300	5.22	2.87	2.87	-	OWC : 1 TPD Gaussdan : 1.16 TPD Piggery : 0.62 TPD	2.09	2.09	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.26	0.26	-	Filling in retaining walls and is being used on footpaths	5.22	-	
39	Nagra Bagwan	10671.77	300	3.20	1.76	1.76	-	OWC : 1 TPD Others (Specify) : 0.76 wet waste is used by households to their animals.	1.28	1.28	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.16	0.16	-	Filling in retaining walls and is being used on footpaths	3.20	-	1 OWC Machine for wet waste processing and 1 No. Shredder machine and 1 no. Incinerator available for dry waste processing
40	Narpur	14752.64	300	4.43	2.43	1.43	1.00	Others (Specify) : 1.43 wet waste is used by households to their animals.	1.77	1.05	0.72	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.22	0.22	-	Filling in retaining walls and is being used on footpaths	2.71	1.72	Own Land available. Temporary MRF facility available. Tender for C/O MRF Facility, composting pits and site development has been started and work in progress. Shredder machine purchased and is in working position.
41	Palampur	49606.96	300	14.88	8.19	8.19	-	OWC : 5.1 TPD Pit Composting : 2 TPD Gaussdan : 1.18 TPD	5.95	5.96	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.74	0.74	-	Filling in retaining walls and is being used on footpaths	14.88	-	12 nos of composting pits and OWC machine available for wet waste. MRF facility available for dry waste and 1 twoper hour shredder machine available for dry waste processing
42	Shalpur	4491.00	300	1.35	0.74	0.74	-	Waste sent to SWM Plant Kangra	0.54	0.54	-	Waste sent to SWM Plant Kangra	0.07	0.07	-	Filling in retaining walls and is being used on footpaths	1.35	-	SWM Land transfer case under process and currently waste sent SWM Plant Kangra
43	Dwalpur	4893.03	300	1.47	0.81	0.7	0.11	Pit Composting : 0.7 TPD	0.59	0.59	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.07	0.07	-	Filling in retaining walls and is being used on footpaths	1.36	0.10	
44	Gagret	6096.16	300	1.80	0.99	0.8	0.19	Gaussdan : 0.8 TPD	0.72	0.72	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.09	0.09	-	Filling in retaining walls and is being used on footpaths	1.61	0.19	
45	Mehatpur	12986.17	300	3.90	2.14	2.14	-	OWC : 2 TPD Pit Composting : 0.14 TPD	1.56	1.56	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.19	0.19	-	Filling in retaining walls and is being used on footpaths	3.89	0.00	
46	Una	26344.22	300	7.90	4.35	4	0.35	OWC : 2 TPD Pit Composting : 2 TPD	3.16	3.16	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.40	0.40	-	Filling in retaining walls and is being used on footpaths	7.56	0.35	
47	Santokhgarh	13174.71	300	3.95	2.17	2	0.17	Pit Composting : 2 TPD	1.58	1.58	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.20	0.20	-	Filling in retaining walls and is being used on footpaths	3.78	0.17	
48	Tahliwal	5635.57	300	1.69	0.93	0.73	0.20	0.73 TPD Temporary Pit composting facility	0.68	0.48	0.20	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.08	0.08	-	Filling in retaining walls and is being used on footpaths	1.29	0.40	

S.No	Name of ULB	Population in 2024	Waste generated (kg per day in gm)	Total waste gen (TPD)	Wet waste	Wet waste processed (TPD)	Gap	Method of processing	Dry waste	Dry waste processed (TPD)	Gap	Method of processing	Inerts	Inerts/ rejects Processed (TPD)	Gap	Method of Processing	Total quantity of waste processed (TPD)	Gap in processing (TPD)	Remarks
49	Amb	7234 (x)	300	2.17	1.19	1.19	-	1.19 TPD Temporary Pit composting facility	0.87	0.67	0.20	MRF available & RDF/SCF is being sent to Cement plants for co-processing	0.11	0.11	-	Filling in retaining walls and is being used in footpaths	1.97	0.20	-
50	Shimla	239456 (x)	450	107.75	59.26	59.26	-	OWC : 1.0 TPD Drum Composting : 1.0 TPD Biogas : 1.0 TPD Gausadan : 1.0 TPD Others: 1. Waste to Energy - Wet waste with low moisture content is passed through drum driers and/or further allowed for natural degradation and then mixed with RDF. Partially the wet waste is being used in the RDF while the controlled moisture content being accepted at the Cement plants. 2. About 5-6 TPD is collected at the Subzi Mandi by informal persons for feeding their cattles etc. in the nearby areas. 3. Further, 15 TPD biogas plant for wet waste is being established.	43.10	43.10	-	MRF facility : 1.0-1.5 TPD Recipients: RDF to Cement Inds.: 39.0 TPD Waste to Energy : 1.0-1.5 TPD	5.39	5.39	-		107.75	0.00	-
51	Chopal	2406 (x)	300	0.72	0.40	0.40	-	Pit Composting : 0.31 TPD Gausadan : 0.09 TPD	0.29	0.29	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.04	0.04	-	Used in Retaining Walls	0.72	0.00	-
52	Jubbal	2132 (x)	300	0.64	0.35	0.35	-	Pit Composting : 0.15 TPD Others (Specify) : 0.20 (Collected by the local residents for their cattle etc.)	0.26	0.26	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.03	0.03	-	Used in Retaining Walls	0.64	0.00	-
53	Kotkhai	1547 (x)	300	0.46	0.26	0.26	-	OWC: 0.26 TPD	0.19	0.19	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.02	0.02	-	Used in Retaining Walls	0.46	0.00	-
54	Narkanda	4171 (x)	300	1.25	0.69	0.69	-	OWC: 0.15 TPD Pit Composting : 0.3 TPD Drum Composting: 0.24 TPD	0.50	0.5	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.06	0.06	-	Used in Retaining Walls	1.25	0.00	-
55	Rampur	13513 (x)	300	4.05	2.23	2.23	-	Drum Composting: 1.23 TPD Gausadan : 0.4 TPD Piggery : 0.6 TPD	1.62	1.62	-	Dry waste is being sent Waste to energy plant Bhayal Shimla HP	0.20	0.20	-	Used in Retaining Walls/Path Construction	4.05	0.00	-
56	Rohroo	9939 (x)	300	2.98	1.64	1.64	-	Pit Composting : 0.62 TPD Gausadan : 0.83 TPD Others (Specify) : (Collected by the local residents for their cattle etc.) 0.19	1.19	1.19	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.15	0.15	-	filling in retaining walls and foot paths and leveling of land etc	2.98	0.00	-
57	Sumu	3369 (x)	300	1.01	0.56	0.56	-	Pit Composting : 0.56 TPD	0.40	0.4	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.05	0.05	-	By Using Retaining Walls	1.01	0.00	-
58	Theog	5657 (x)	300	1.70	0.93	0.93	-	Drum Composting: 0.93 TPD	0.68	0.68	-	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.08	0.08	-	Filling in Retaining walls and is being used in foot paths	1.70	0.00	-
59	Chargaon	3383 (x)	300	1.01	0.56	0.56	-	Pit Composting : 0.33 TPD Piggery : 0.23 TPD	0.41	0.35	0.06	MRF available & RDF/SCF is being sent to Cement plants for co-processing.	0.05	0.05	-	Filling in Retaining walls and is being used in foot paths	0.96	0.05	-
60	Nerwa	2216 (x)	300	0.66	0.37	0.37	-	Piggery : 0.15 TPD Others (Specify) : 0.22 Taken away by local residents for cattle feeding	0.27	0.20	0.07	0.20 has been taken by rag pickers	0.03	0.03	-	Filling in Retaining walls and is being used in foot paths	0.60	0.06	-
Total				375.38	206.46	200.81	5.66		150.14	148.38	1.79		18.77	18.72	0.00		368.18	7.49	

Legacy Waste Management Report

S. No.	ULB	Total estimated quantity	Quantity cleared during 1.09.2023 to 29.02.2024	Balance	Total Fraction Generation	Total Fraction Disposal	Remarks
					(Tons)		
1	Dharamshala	40000.00	24743.33	13766.77	Good Earth Soil : 16705 Inerts : 2386.55 Plastics : 3579.83 C&D : 1193.27	Inerts, Good earth & C&D to be used at site during preparation of SLF.	Work is under progress.
2	Mandi	45000.00	9311.84	19123.38	Good Earth Soil : 6700 Inerts : 2306.62 Plastics : 16870		Approx. 5250 Tonnes Plastic waste was lifted by the JBR Technologies from the legacy waste site and rest i.e. 11620 Tonnes of plastic, inert and good earth soil is lying at site which is not lifted by the concessionaire. Now contract of M/s JBR Technologies was terminated on 31.12.2023 and thereafter tender were invited online and single bid was received in first attempt tenders have been again invited and four bids were received in second attempt and matter has been taken up with State level Screening committee in view of ongoing Model Code of Conduct award of work.
3	Solan	48000.00	12071.64	1096.28	Good Earth Soil : 32832.1 Inerts : 4690.3 Plastics : 7035.45 C&D : 2345.15	Cement Plant/Energy Plant: Approx. 4000 tonnes RDF lifted from site for disposal. Inerts, Good earth and C&D to be used at site during preparation of SLF.	Work is under progress.
4	Kullu	38000.00	6618.00	5338.00	Bio-Soil : 26521.54 Plastic/RDF : 2612.96 C&D : 1273.81 Others(Metal, Papers etc.) : 620.578	Cement Plant: 593 Tonnes Parks : 14400 Tones	Work is under progress.
5	Manali	40000.00	11502.00	22148.25	Bio-Soil : 14495.62 Plastic/RDF : 1588.80 C&D : 696.21 Others(Metal, Papers etc.) : 178.51	RDF Dispatched to Power Plant : 476 Tonnes Bio-Soil for filling : 14495.62 Tonnes	Work is under progress.
6	Baddi	40000.00	5582.03	6664.54	RDF: 3300 Good Earth and compost: 23300 Inert and other waste: 6600	RDF sent to cement plants and textile industries. Good earth used for land levelling and gardening. Compost is also being sold. Inert & C&D is used in land filling and land levelling.	Work is under progress.

7	Hamirpur	24458.00	4912.61	16423.85	Good Earth Soil : 3438.4 Inerts : 491.2 Plastics : 736.8 C&D : 245.6	Inerts, Good earth & C&D to be used at site during preparation of SLF.	Previous estimated Quantity = 2100 Tons Previous cleared quantity till 31.08.2023: 3121.54 Total quantity cleared on dated 01.09.2023 to 29.02.2024 = 4912.61 Ton Revised estimated quantity after scientific estimation = 24458 Tons
8	Una	1200.00	8226.56	0.00	Good Earth Soil : 6209.46 Inerts : 887.06 Plastics : 1330.60 C&D : 443.53	Inerts, Good Earth & C&D to be used at site during preparation of SLF	The quantity originally estimated i.e. 1200 Tons has not been scientifically estimated and the actual legacy waste is much higher than the original estimated found after digging at site. (7912.81 Tons Extra Cleared till 29.02.2024)
9	Santokhgarh	2300.00	1316.00	984.00	Good Earth Soil : 2035.94 Inerts : 290.85 Plastics : 436.27 C&D : 145.42	Inerts, Good Earth & C&D to be used at site during preparation of SLF	Work is under progress.
10	Chowari	525.00	72.70	0.00	Soil/ Sand : 420 Plastic : 54 Stone & Misc. : 51	Soil is lying at the site. Plastic is transported to cement plant for scientific disposal.	The quantity originally estimated i.e. 525 Tons has not been scientifically estimated and the actual legacy waste is much higher than the original estimated found after digging at site. The fresh tender to clear all the legacy waste has been floated and matter is being taken up with State level Screening committee in view of ongoing Model Code of Conduct award of work.
Total (A)		279483.00	84356.71	85545.07			