

National Mission for Clean Ganga

Format for submission of Monthly Progress Report for the Months of October, November & December-2023 in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Himachal Pradesh

Overall status of the State:

I. Population

Total Population: 69, 10,024

Urban Population: 7, 33,974

Rural Population: 61, 76,050

II. Estimated Sewage Generation (MLD): 91.95 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs: 75
- Total Treatment Capacity of STPs (in MLD):126.223
- Capacity Utilization of existing STPs: 85.827 MLD
- MLD of sewage being treated through Alternate technology: 6.123 (Soak Pits, Septic Tanks)
- Gap in Treatment Capacity in MLD: 6.123
- No. of Operational STPs: 75
- No. of Non-complying STPs: 19 (*in month of Nov*)

Details of each existing STP in the State

Jal Shakti Vibhag

Sr. No.	Location	Existing STP Capacity in MLD	Capacity being utilized in MLD	Operational Status of STP	Compliance Status
1.	Sh. Naina Devi Ji (Kola Toba dry nallah)	1.35	0.85	Operational	Complying
2.	Ghumarwin (Bajohra MC ward)	1.2	1.20	Operational	Complying
3.	Chamba - STP Barga -1	1.501	1.20	Operational	Non-Complying
4.	Chamba -STP Barga-2	0.77	0.65	Operational	Complying
5.	Chamba -STP at Bhagot	0.89	0.88	STP has been closed and sewage effluent diverted to STP Barga-2	Complying
6.	Chamba-STP at Karian	0.49	0.30	Operational	Non-Complying

7.	Hamirpur Town- Zone No. I	3.13	1.55	Operational	Complying
8.	Hamirpur Town - Zone No. II	1.35	1.16	Operational	Complying
9.	Hamirpur Town- Zone No. III	0.68	0.68	Operational	Non-Complying
10.	Hamirpur- STP Ward No. 11	0.57	0.20	Operational	Non-Complying
11.	Nadaun/ Nagarda Nr Hospital	1.69	0.76	Operational	Complying
12.	Sewerage scheme to Sujanpur Town(Zone 1) Near HPSEB sub Station Sujanpur	1.5	1.20	Operational	Complying
13.	Sewerage scheme to Sujanpur Town(Zone II) Near Govt ITI Doli Sujanpur	1.75	0.50	Operational	Complying
14.	Nurpur- On the left bank of Jabber Khad near Bodh	3.13	0.20	Operational	Complying
15.	Dehra- Near Shamshan Ghat Dehra	1.38	0.85	Operational	Complying
16.	Jawalamukhi- Near Petrol Pump Ganju Bag	2.83	2.03	Operational	Complying
17.	Dharamshala- Chellian	6.10	4.00	Operational	Non-Complying
18.	Dharamshala -Old Charri Road	0.2	0.20	Operational	Non-Complying
19.	Dharamshala - Ramnagar	0.03	0.03	Operational	Complying
20.	Dharamshala- Bhagsu	0.052	0.052	Operational	Complying
21.	Dharamshala- Chellian Near Nag Mandir	0.165	0.165	Operational	Complying
22.	Dharamshala-Mela ground Gamur	1.40	1.00	Operational	Complying
23.	Nagrota (village Tharu near Baner Khad)	1.34	1.05	Operational	Complying
24.	Tanda-Right side bank of Baner Khad at Dr. RPGMG Tanda	1.4	1.20	Operational	Complying
25.	Kangra- STP Zone -I Near Senior Sec. School Kangra	1.68	1.63	Operational	Complying

26.	Kangra-STP Zone -II Near Bye pass Kangra	1.46	1.13	Operational	Complying
27.	Kangra- STP Zone - III Old Kangra near Fort	0.63	0.52	Operational	Complying
28.	Palampur- Left Bank of Bihral Khad Bear Insp. Hut Palampur	0.351	0.33	Operational	Complying
29.	Kullu Town- Lanka Bekar	2.57	2.50	Operational	Non-Complying
30.	Kullu Town- Bhootnath	2.5	2.36	Operational	Complying
31.	Kullu Town-Badah	0.38	0.28	Operational	Non-Complying
32.	Manali-Near Police Station Manali (1.82 to 3.00 MLD)	3.00	2.90	Operational	Complying
33.	Bhunter -Mela Ground	0.99	0.99	Operational	Non-Complying
34.	Bhunter- Sarabai	0.46	0.35	Operational	Complying
35.	Bhunter- Jarad	0.87	0.81	Operational	Non-Complying
36.	Jogindernagar- Village Majahrnoo	1.73	1.21	Operational	Complying
37.	Mandi –Raghunath ka Padhar	3.83	3.50	Operational	Complying
38.	Mandi- Khaliyar	0.47	0.46	Operational	Non-Complying
39.	Sundernagar (Chandpur)	3.55	3.25	Operational	Non-Complying
40.	Sarkaghat-Paplog Zone B	0.70	0.32	Operational	Complying
41.	Sarkaghat-Barchhwar Zone-C	1.67	1.10	Operational	Complying
42.	Rampur-Khopri	1.0	0.85	Operational	Complying
43.	Rampur-Chuhabag	0.5	0.47	Operational	Non-Complying
44.	Rohru- Near Radha Swami Petrol Pump	1.745	1.70	Operational	Non-Complying
45.	Jubbal- Below 22 KV Sub-Station HPSEB Jubbal Ghunglidhar (Kanhhol)	0.651	0.32	Operational	Complying
46.	Kotkhai Town - Zone II	0.305	0.06	Operational	Non-Complying
47.	Kotkhai Town - Zone III	0.163	0.04	Operational	Complying
48.	Narkanda	0.45	0.30	Operational	Complying
49.	Theog	1.15	0.05	Operational	Complying
50.	Sunni	0.65	0.10	Operational	Complying

51.	Paonta Sahib -Zone - 1 (Devi Nagar)	0.44	0.44	Operational	Non-Complying
52.	Paonta Sahib-Zone - II (Main Bazar)	1	0.60	Operational	Complying
53.	Paonta Sahib-Zone – III (Jambu Ka Khalla)	1.72	0.80	Operational	Complying
54.	Solan, Shamti	2.9	1.80	Operational	Complying
55.	Parwanoo	1	0.25	Operational	Complying
56.	Arki Town	0.7	0.55	Operational	Complying
57.	Baddi Town-Kenduwal	5.5	1.75	Operational	Complying
58.	Nalagarh Town-Mandiyapur	3.62	2.24	Operational	Complying
59.	Una- Chandarlok Colony for Zone D	0.65	0.24	Operational	Complying
60.	Una- Rampur for Zone A&B	2.53	0.58	Operational	Complying
61.	Mehatpur- Zone A,B & C -Basdhera	0.73	0.20	Operational	Complying
Rural Sector					
62.	Bharmour- Hadsar	0.21	0.08	Operational	Complying
63.	Marhi-Manali	0.2	0.2	Operational	Complying
64.	Sandhole Phase -I	0.31	0.15	Operational	Complying
65.	R/Peo -Sarbo	1	0.58	Operational	Complying
66.	Sangla (Phase - II & III)	0.13	0.08	Operational	Complying
67.	Jakhri	1	0.72	Operational	Non-Complying
68.	Kunihar	0.9	0.70	Operational	Complying
69.	Chintpurni-Zone-I	0.57	0.10	Operational	Complying
	Total	93.463	61.497		

Details of each existing STP in Shimla Town

SJPNL

Sr. No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized(MLD)	Operational Status of STP	Compliance Status of STP
1	Sanjauli Malyana (Below Malyana Bus Stand)	8.42	4.5	Operational	Complying
2	Dhalli	2.26	1	Operational	Complying

3	North Disposal, Shimla (Golcha)	5.8	3.70	Operational	Complying
4	Snowdon (Bermu)	1.35	0.70	Operational	Non-Complying
5	Lalpani near Badagaon	11	14.00	Operational	Non-Complying
6	Summer Hill (Below Andri)	3.93	0.70	Operational	Complying
Total		32.76	24.6		

Details of under construction STPs in the State

Jal Shakti Vibhag

Sr. No.	Location of STP	Capacity (in MLD)	Physical Progress (STP) in % age	Completion Timeline
1.	Gagret	3.14	100%	March, 2024
2.	Chowari	1.1	98%	March, 2024
3.	Rewalsar (Chalahar)	0.35	97%	March, 2024
4.	Chamba- Parel	0.87	97%	March, 2024
5.	Sewerage Scheme to Rampur- Dakolar	1.16	90%	March -2026
6.	Sewerage Scheme to Rampur-Khaneri	1.2	95%	March, 2024
7.	Santokhgarh	2.5	85%	March-2024
8.	Dalhousie	2.70	80%	March-2024
9.	Talai	1.65	90%	March-2024
10.	Parwanoo Zone-II	1	75%	March-2024
11.	Mandi- Khaliyar	1.5	72%	March-2024
12.	Mandi –Raghunath ka Padhar	9.08	70 %	March-2024
13.	Sundernagar	4.5	75%	March-2024
14.	Dharamshala –Naddi	0.144	80%	March-2024
15.	Dharamshala –Jatehar	0.06	65%	March-2024
16.	Hamirpur - Bajuri	1.06	Work Awarded (Land Dispute)	March-2025
17.	Bhota	1.5	Work Awarded (Land Dispute)	March-2025
18.	Baijnath- Paprola	3.64	5%	March-2025
19.	Nerchowk	3.36	Work awarded	

	Rural			
20.	Trilokpur –Kheri Johron	1.5	100%	March-2024
21.	Kala Amb	1.7	100%	March-2024
22.	Bangana	0.40	100%	March-2024
23.	Rarang	0.25	95%	March-2024
24.	Holi in G P Holi	0	98%	March-2024
25.	Chintpurni-Zone-II	2.01	95%	December -2024
26.	Chintpurni-Zone-III	2.49	85%	December -2024
27.	Sewerage Scheme Hatkoti	0.651	78%	March-2024
28.	Thunag	0.32	80%	March-2024
29.	Janjheli	0.64	65%	March-2024
30.	Killar	0.59	60%	December -2024
31.	Bharmour Zone-I	0.30	25%	December -2025
32.	Bharmour Zone-II	1.00	Work Awarded	December -2025
33.	Sangla (Phase IV & V)	0.063	Land acquisition for STP under process	December -2025
34.	Sangla (Phase I)	0.039	Land acquisition for STP under process	December -2025
35.	Chitkul	0.4	T/S for STP under process	December -2025
36.	Kalpa	0.42	T/S for STP under process	December -2025
37.	Keylong (Zone-I)	0.2	Under Tendering	August 2024
38.	Keylong (Zone-II & Zone-III)	0.41	Under Tendering	August 2024
39.	Udaipur Zone –I	0.22	Land dispute	August 2024
40.	Udaipur Zone –II	0.26	Land dispute	August 2024
	Total	54.377		

Under Construction STPs in Shimla Town (Detail of SJPNL)

Sr. No	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	STP Lalpani (Upgradation work)	14.2 MLD	97%	20494	Dec, 2023
2	STP Malyana (Upgradation work)	8.42 MLD	100%	4440	Gap in capacity achieved
3	STP Dhalli (Upgradation work)	1.5 MLD	100%	1366	Gap in capacity achieved
4	STP Snowdon	1.35 MLD	Retrofitting of these 3 no. of STPs is in progress 40% work completed rest is in progress	1025	Dec, 23
5	STP North Disposal	5.80 MLD		4782	
6	STP Summer Hill	3.93 MLD		2049	

	Total	35.2		
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Details of proposed STPs in the State

Jal Shakti Vibhag

Sr. No.	Location of STP	Capacity of STP proposed (in MLD)	Status of Project (at DPR Stage/ Under Tendering / Work to be Awarded)	Likely Date of Completion
1.	Rajgarh	1.50	Under-Tendering	As per availability of funds
2.	Banjar	1.00	Under-Tendering	As per availability of funds
3.	Chopal	0.60	Under-Tendering	As per availability of funds
4.	Nerwa	0.66	A/A & E/S accorded	As per availability of funds
5.	Ghumarwin (Tikkri)	0.5	A/A & E/S accorded	As per availability of funds
6.	Ghumarwin (Bajohra MC Ward)	0.5		
7.	Jawali Town	1.35	At DPR Stage	As per availability of funds
8.	Mehatpur-Zone- E &F Basdhera	1.3	At DPR Stage	As per availability of funds
9.	Chirgaon	0.70	At DPR Stage	As per availability of funds
10	Shahpur Town	1.67	At DPR stage	As per availability of funds
11	Anni	0.55	At DPR stage	As per availability of funds
12	Nirmand	0.75	At DPR stage	As per availability of funds
13	Solan-Zone-1 (Below Khundi Dhar) near Shamti	6.5	At DPR stage	As per availability of funds
14	Solan-Zone -II	4.7		
15	Solan Zone -III	3.4		
16	Solan Zone -IV	1		
17	Kandaghat	1.3	At DPR stage	As per

Sr. No.	Location of STP	Capacity of STP proposed (in MLD)	Status of Project (at DPR Stage/ Under Tendering / Work to be Awarded)	Likely Date of Completion
				availability of funds
18	Tahliwal	1	At DPR stage	As per availability of funds
19	Daulatpur	1	At DPR stage	As per availability of funds
20	Amb	1.9	At DPR stage	As per availability of funds
21	Bilaspur - below Luxmi Narayan Temple (STP-1)	5	A/A & ES Accorded	As per availability of funds
22	Bilaspur - Lower Lakhanpur (STP-2)	2		
23	Palampur	2.93	A/A & ES Accorded	As per availability of funds
24	Karsog	1.80	At DPR stage (At Stage)	As per availability of funds
25	Manali- Rangri	16.33	Tender for eligibility criteria for sewerage network opened on 19.07.2022. 3 bidders participated, 2 bidders qualified. Financial Bid opened on 11.01.2023. and under Scrutiny in the office PMU Mandi. Negotiation has been done with the lowest bidder. Permission to award the work was asked from the AFD but they replied that the permission to award can be given after forest case approval. Now the in principal approval of the FCA case is received and the matter for permission to award the work shall be taken up with the AFD.	As per availability of funds
26	Nahan-Zone-I	4.58	At DPR stage (Under AFD)	As per availability of funds
27	Nahan –Zone-II	2.92		
28	Nahan-Zone -III	1.28		
29	Kullu (Badah)	1.50	A/A & ES Accorded	As per availability of funds

Sr. No.	Location of STP	Capacity of STP proposed (in MLD)	Status of Project (at DPR Stage/ Under Tendering / Work to be Awarded)	Likely Date of Completion
Rural				
30	Providing Sewerage Scheme to Garola and Adjoining Village In Tehsil Bharmour Distt. Chamba	0.6	Tender Awarded	As per availability of funds
31.	Providing Sewerage Scheme Taklech in Tehsil Rampur	0.5	Under-Tendering	As per availability of funds
32.	Providing Sewerage scheme to Udaipur Khas in GP Udaipur Tehsil & Distt. Chamba	0.48	Under Tendering	As per availability of funds
33.	Providing Sewerage system to GP Baranda in Tehsil Nurpur	0.6	Under Tendering	As per availability of funds
34.	Providing Sewerage system to Jassur & adjoining area in Tehsil Nurpur	1.1	Under Tendering	As per availability of funds
35.	Providing Sewerage scheme to Namgia village in G.P. Namgia Tehsil, Pooh	0.20	A/A & E/S accorded	As per availability of funds
	Providing Sewerage Scheme Kot, Rosso and Thana area in Tehsil Dharampur			
36.	Kot	0.106	A/A & E/S accorded	As per availability of funds
37.	Rosso	0.10		
38.	Thana	0.10		
39.	Providing Sewerage Scheme to Neri, Sandhole, Datwar Sohar and Ghanala in Tehsil Sandhole	0.78	A/A & E/S accorded	As per availability of funds
	Providing Sewerage Scheme Mehla in Gram			

Sr. No.	Location of STP	Capacity of STP proposed (in MLD)	Status of Project (at DPR Stage/ Under Tendering / Work to be Awarded)	Likely Date of Completion
	Panchayat Mehla Tehsil & District Chamba			
40.	Zone-I	0.100	A/A & E/S accorded	As per availability of funds
41.	Zone-II	0.240		
42.	Providing Sewerage Scheme Chatrari in Gram Panchayat Chatrari Tehsil & District Chamba	0.15	A/A & E/S accorded	As per availability of funds
43.	Providing Sewerage scheme to village Pangli in GP Pangli Tehsil Kalpa	0.42	A/A & E/S accorded	As per availability of funds
44.	Providing Sewerage scheme to Seoth Khanoud Proun Tehsil Dharampur	0.2	A/A & E/S accorded	As per availability of funds
45.		0.1		
	Providing Sewerage scheme to Chowki, Rakhera and Riyur Tehsil Dharampur		A/A & E/S accorded	As per availability of funds
46.	Chowki	0.171	A/A & E/S accorded	As per availability of funds
47.	Rakhera	0.1		
48.	Riyur	0.14		
	Providing Sewerage Scheme to Dharampur, Banwar, Richali and adjoining area in Tehsil Dharampur			
49.	Dharampur	0.3	A/A & E/S accorded	As per availability of funds
50.	Banwar	0.2		
51.	Richhali	0.1		
	Providing Sewerage to Pooh village, Pooh colony in GP Pooh Tehsil Pooh Distt			

Sr. No.	Location of STP	Capacity of STP proposed (in MLD)	Status of Project (at DPR Stage/ Under Tendering / Work to be Awarded)	Likely Date of Completion
	Kinnaur			
52.	Zone I	0.313	A/A & E/S accorded	As per availability of funds
53.	Zone –II	0.20		
54.	Providing Sewerage scheme to Nichar and EMRS Nichar in GP Nichar	0.45	A/A & E/S accorded	As per availability of funds
	Providing Sewerage facilities including STP to Tabo and Lari adjoining area in GP Tabo			
55.	Tabo	0.2	A/A & E/S accorded	As per availability of funds
56.	Lari	0.13		
57.	DPR for providing sewerage scheme with STP and augmentation of water supply schemes for Rehan area etc. in tehsil- Fatehpur, District- Kangra	1.15	A/A & E/S accorded	As per availability of funds
58.	Providing Sewerage scheme to heritage village- Garli & Pragpur in Tehsil- Pragpur, Kangra	0.67	A/A & E/S accorded	As per availability of funds
59.	DPR for providing Sewerage Scheme to Nagrota Surain in Tehsil- Jawali, Kangra	1.87	A/A & E/S accorded	As per availability of funds
	Total	81.99		

Details of proposed STPs in Shimla Town

SJPNL

Sr. No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1	Dogra Bridge	3.1 MLD	Awarded (FCA case is in progress)	--
2	At Totu Bhariyal	2.0 MLD	Awarded (Land use transfer case with forest is in process)	--
3	STP Dhalli-II & Mashobra	2.5 MLD	DPR submitted for approval	--
	Total	7.6 MLD		

IV. Details of Industrial Pollution:

- No. of industries in the State: **11510**
- No. of water polluting industries in the State: 3881
- Quantity of effluent generated from the industries in MLD: **41.7 MLD**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **7.34 MT approx.**
- Number of industrial units having ETPs: **1081 ETPs are operational**
- Number of industrial units connected to CETP: **456**
- Number and total capacity of ETPs (details of existing/ under construction / proposed): **total treatment capacity 52.73 MLD (including 25 MLD CETP)**
- Compliance status of the ETPs: **3 ETPs were non-complying**
- Number and total capacity of CETPs (details of existing/ commissioned / proposed)
Existing: CETP Baddi (25 MLD), Proposed: Poanta Sahib (2 MLD), Commissioned: CETP Kala Amb (5 MLD)
No. of CETP existing: **2**
No. of CETP proposed: **1**
No. of CETP under-construction: **0**
No. of CETP being commissioned: **0**
- Status of compliance and operation of the CETPs

Sr. No.	Location	Capacity	Status
1	CETP at Kenduwal, Baddi, District- Solan (HP)	25	Operational
2	CETP at Paonta Sahib, District- Sirmour HP	2	Proposed

3	CETP Kala Amb, District-Sirmour	5 (Phase-I 2.5 MLD)	Operational
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Regional Office	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Poanta Sahib	Total 1267 (141 are water polluting industries)	10.75 MLD	141 ETPs operational	CETP Kala Amb of capacity 5 MLD (Phase-I: 2.5 MLD) has been commissioned. The State Board has granted Consent to Operate to the CETP under Water & Air Acts Proposed: Paonta Sahib of capacity 2 MLD
Parwanoo	Total 954 (111 are water polluting industries)	0.9761 MLD	111 ETPs are operational	Nil
Bilaspur	Total 260 (22 are water polluting industries)	0.0903 MLD	19 ETPs are operational	Nil
Shimla	Total 738 (450 are water polluting industries)	0.213 MLD	33 ETPs operational	Nil
Dharamshala	Total 1826 (1661 are water polluting industries)	1.5 MLD	58 ETPs operational	Nil
Baddi	Total 2443 (576 are water polluting industries)	23.2 MLD	576 (456 units connected to CETP Baddi Rest has captive ETPs)	CETP Baddi of capacity 25 MLD is Operational
Kullu	Total 1591 (134 are water polluting industries)	0.166 MLD	17 units have ETPs and are operational	Nil
Rampur	Total 482 (330 are water polluting industries)	0.137 MLD	7 ETPs are operational	Nil
Chamba	Total 394 (328 are water polluting industries)	0.01 MLD	2 ETPs are operational	Nil
Una	Total 992 (92 is water polluting industries)	4.44MLD	92 ETP is operational	Nil
Mandi	Total 563 (36 are water polluting industries)	0.218 MLD	25 ETPs are operational	Nil

- **Solid Waste Management:** Total number of Urban Local Bodies and their Population:61 ULBs and population: 7,12,575
- Current Municipal Solid Waste Generation: 359.2 TPD approx.
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc:
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%): **(Gap is less than 20%)**
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction):**Nil**
- Total no. of wards: 558
- No. of wards having door to door collection service: 509
- No. of wards practicing segregation at source :
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology): **Upgradation of MSW facilities are proposed to enhance the capacity of different ULBs.**
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.:
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers:**3 (Mandi, Kullu & Manali)**
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:

Status of ULB wise Management of Solid Waste as per annual report for Fy 22-23

Quantity of MSW generated (TPD)	Collected	Treated	Landfilled/ Dumped
359.2	353.35	321.45	136.62

V. Bio-medical Waste Management: (Scientific)

- Total Bio-medical generation: 3769.57 Kg/day (For year 2022)
- No. of Hospitals and Health Care Facilities:9365 (For year 2022)
- Status of Treatment Facility/ CBMWTF:
 - There are four Common Biomedical Waste Treatment Facilities (CBWTFs) operating in the State with incineration capacity is 600kg/hr.

- M/s Enviro Engineers, Biomedical Waste Treatment Facility, Sandli, Tehsil Arki, District Solan having incinerable capacity 100 Kg/hr covering District Shimla, Solan, Mandi, Kullu, Bilaspur, Sirmour.
- M/s Enviro Engineers, CBWTF, Una having capacity of 250kg/hr covering District Una
- M/s Suraksha Bio Sanitizer, Common Biomedical Waste Treatment Facility, Dhugiari, P.O Gaggal Tehsil & District Kangra having incinerable capacity 50 Kg/hr covering District Kangra, Chamba and Hamirpur.
- M/s Himalyan Envirocare Company, Village-Malyawar Tehsil Ghumarwin, Distt. Bilaspur 174026.

VI. Hazardous Waste Management:

- Total Hazardous Waste generation: 46609.1 MT for the year 2022-23
- No. of Industries generating Hazardous waste:- 2520 nos
- Treatment Capacity of all TSDFs: 50,000 Tonne Per Annum and Overall capacity : 10 lakhs tonne
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:- 19,020 MT
- Details of on-going or proposed TSDF: - Nil.

VII. Plastic Waste Management:

- Total Plastic Waste generation: 14093.574 TPA
- Treatment/ Measures adopted for reduction or management of plastic waste:

Used for road construction, sent to Cement Plant as RDF

The Government of Himachal Pradesh has notified a Policy regarding Buy-back of non-recyclable and Single Use Plastic Waste including plastic bags in the Himachal Pradesh from the Rag pickers and households, providing Minimum Support Price of Rs. 75/- (Rupees Seventy Five) only per kilogram.

25 number of Plastic Waste Processors have been registered on CPCB EPR portal.

VIII. Details of Alternate Treatment Technology being adopted by the State/UT:

All STPs in Himachal Pradesh are operational on convention technology with MBBR (Moving Bed Bio-Film Reactor) system in secondary treatment. However now all STPs are being upgraded with tertiary treatment and proposed STPs will be equipped with tertiary treatment and septage treatment.

However Upgradation of 3 nos of STPs namely Dhalli, Malyana and Lalpani through Sequencing Batch Reactor (SBR) technology is under process.

Septic tanks have been provided either at Community Level or by the individual households and Himachal Pradesh is one of the states in the country which has achieved ODF status. In Rural Areas double pit (septic tanks) treatment is being provided under Swachh Bharat Mission.

In addition, in-situ Phytoremediation technique is being applied in nallahs for treatment of water.

IX. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:

The work of in-situ remediation in Priority-I (SukhnaNallah) has been completed

The work of in-situ remediation in JattanWalaNallah (catchment of Priority-II river stretch) was completed however was damaged during rainy season.

X. Details of Nodal Officer appointed by Chief Secretary in the State/UT:An “Environment Monitoring Cell” comprising of following officers has been formed on 19th Feb, 2020 to facilitate coordination and compliance of directions of Hon’ble NGT and assist in organizing review by the Chief Secretary:-

1. The Member Secretary, H.P. State Pollution Control Board
2. The Director, Environment, Science & Technology
3. The Director, Urban Development
4. The Joint Secretary (Env., Sci. & Technology) to Govt. of HP.

XI. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

3 nos. of Review Meeting have been held under the Chairmanship of Worthy Chief Secretary to Govt. of H.P. in year FY **2020-21** (17.06.2020, 6.10.2020, 12.01.2021). **2 2**

3nos of Review Meeting have been held under the Chairmanship of Worthy Chief Secretary to Govt. of H.P. in year FY **2021-22** (19.06.2021, 26.10.2021& 29.03.2022).

1nos of Review Meeting have been held under the Chairmanship of Worthy Chief Secretary to Govt. of H.P. in year FY **2022-23** (25.03.2023). **2 number** of meetings held under the Chairmanship of Additional Chief Secretary to the GoHP in FY 2022-23 (27.05.2022 & 27.10.2022).

1 nos of review meeting held under the Chairmanship of Worthy Chief Secretary to Govt. of H.P. in FY 23-24 on 1.11.2024.

XII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Details attached as **Annexure-I (October-23 and November- 23).**

XIII. Ground water regulation:

Himachal Pradesh has enacted the Groundwater Act in 2005 to regulate extraction of groundwater in the vulnerable areas of the state, which has now been extended all over the state.

The extraction of groundwater in any form is controlled and regulated by the provisions of the act.

The State has formulated and implemented a regulatory regime to ensure and promote wise use of groundwater.

XIV. Good irrigation practices being adopted by the State:

Promotion of water use efficiency by providing piped irrigation network instead of open channel; micro irrigation through sprinklers and drip.

XV. Rain Water Harvesting:

The Jal Shakti Vibhag has taken up water conservation initiative under various programmes like MNREGA, Sustainability component of NRDWP, CRF, D.C. Funds, AIBP, NABARD, PARVATDHARA etc.

XVI. Demarcation of Floodplain and removal of illegal encroachments:

XVII. Maintaining minimum e-flow of river:

The following steps have been taken to maintain environmental flow in the river/ Nallah

- The RTWQMS along with Radar system for water quality monitoring and flow measurement, respectively, have been installed in river Markanda near Viii Ogli, Kala Amb town and in river Kaushalya near village Kamli.
- Installation of RTWQMS at river Sirsa, the Site is identified, tendering work is in progress.
- Total 27 nos of Check Dams constructed in Sukhna (Priority-I) at Parwanoo.
- Total 45 nos of Check Dams constructed in Ashwani (Priority-V) along Yashwant Nagar.
- Total 110 nos of Check Dams constructed in Beas (Priority-V) at Mandi and Jogindarnagar.

Further, Hydro-Electric Projects (HEP) located on the catchment of rivers are mandated to ensure minimum 15% discharge of lean season flow on the downstream of the HEP into river body.

XVIII. Plantation activities along the rivers:

Priority-I (SukhnaNallah at Parwanoo)

- 2200 Plants have been planted in FY 2019-20.
- 4400 Plants have been planted in FY 2020-21

Priority-II (River Markanda at Kala Amb)

- 1600 plants have been planted in TrilokpurDevini Area in FY 2019-20
- 9600 plants planted during FY-2020-21.

Priority – III (RiverSirsa at Baddi, Nalagarh in District Solan

- 8800 plants has been planted in FY 2019-20.
- 18000 plants planted in FY2020-21.

Priority – V (River Ashwani, District- Shimla HP)

- 28600 Plants have been planted in 2019-20.

- 11000 plants have been planted in FY 2020-21.

Priority – V (River Beas from Kullu to Dehra-Gopipur at District- Kullu, Mandi, Hamirpur and Kangra of Himachal Pradesh)

- 17,800 Plants are planted in FY 2019-20.
- 35,100 plants have been planted in FY2020-21

Priority – V (River Giri at Sainj, District- Shimla HP)

- 3300 Plants are planted in FY 2019-20.
- 4400 plants have been planted in FY 2020-21.

Priority – V (River Pabbar along Rohru, District- Shimla HP)

- Total 3300 Plants are planted in FY 2019-20.
- 7700 plants have been planted in FY 2020-21.

XIX. Development of biodiversity park:

- As per the Action Plan of Priority I & II, Bio-diversity Park is proposed.
- No suitable land is available for the construction of Bio-Diversity Park in catchment of Priority-I ~ SukhnaNallah.
- Setting up of Bio-diversity Park, for Priority-III (River Sirsa)
The work has been completed
- Development of Eco-Park in Paonta Sahib:
The work has been completed
- Bio-Diversity Park in Kala Amb:
Work has been completed.

XX. Reuse of Treated Water:

JSV is providing facility for bulk water user at all the STPs to enable drawing the effluent for reuse. Tertiary treatment shall also be provided as per requirement of the Bulk Users.

XXI. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:

River Beas (Kullu to Dehra Gopipur) which is currently categorized as Priority-V Polluted River Stretch in HP, upon implementation and completion of various action points mentioned in approved action plan, has shown considerable improvement in the water quality and the matter of delisting it from polluted river stretch has already been taken up with CPCB.

XXII. Status of Preparation of Action Plan by the 13 Coastal States:

XXIII. Regulation of Mining Activities in the State/UT:

Mining activities are being regulated under HP Mines and Mineral Act and also Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

XXIV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:

All action plans are being implemented. State Board conduct regular monitoring as per the schedule and action against polluters in terms of issuing show cause notices, power disconnection & Environmental Compensation is initiated accordingly.

Annexure-I

The water quality of polluted rivers for month of **October, 2023:**

Entry Point

Polluted river Stretch	Priority	pH	D.O.	BOD	F.C.	T.C
			mg/l	mg/l	MPN/100ml	MPN/100ml
Sukhna Nallah upstream of Parwanoo Town at Shivloti Temple, Village – Ambota	I	7.35	7.2	12	>1600	>1600
River Markanda Upstream Kala Amb	II	8.87	7.8	1.8	110	350
River Sirsa U/s Sitomajri Nallah	III	7.44	6.4	0.8	12	170
Ashwani Khad w.r.t U/s of weir site of WTP near Ashwani Bridge	V	7.38	7.5	BDL	47	350
River Beas, U/s Manali	V	7.55	7.8	0.1	27	210
River Giri at U/s Chailla	V	7.89	7.6	BDL	22	220
River Pabbar U/s Dhambari	V	7.24	8.4	BDL	11	70

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Exit Point

Polluted river Stretch	Priority	pH	D.O.	BOD	F.C.	T.C
			mg/l	mg/l	MPN/100ml	MPN/100ml
Sukhna Nallah D/s Water Quality at Kalka Barrier.	I	7.48	7.2	12	>1600	>1600
River Markanda D/s JattanWalaNallah at Dehramli	II	7.99	7.8	1.7	240	920
River Sirsa D/s Nalagarh Town	III	7.12	3.4	2.2	10	540
AshwaniKhad U/s Yashwant Nagar	V	8.44	6.7	0.3	4.5	39
River Beas (Right Bank) D/s Dehra Town)	V	7.43	9.0	BDL	14	540
River Giri D/s of Lift Water Supply Scheme at Sainj (at boundary District Shimla)	V	7.95	7.5	BDL	26	920
River Pabbar D/s of TRT of Sawara Kuddu	V	7.80	7.9	BDL	47	350

Annexure-I

The water quality of polluted rivers for month of **November, 2023**:

Entry Point

Polluted river Stretch	Priority	pH	D.O.	BOD	F.C.	T.C
			mg/l	mg/l	MPN/100ml	MPN/100ml
Sukhna Nallah upstream of Parwanoo Town at Shivloti Temple, Village – Ambota	I	7.44	7.8	0.2	4.0	34
River Markanda Upstream Kala Amb	II	7.95	7.9	1.5	47.0	220
River Sirsa U/s Sitomajri Nallah	III	7.67	6.8	0.3	4.5	49
Ashwani Khad w.r.t U/s of weir site of WTP near Ashwani Bridge	V	7.32	8.2	3.1	33	350
River Beas, U/s Manali	V	7.92	8.8	0.1	33	220
River Giri at U/s Chailla	V	8.08	8.3	BDL	22	170
River Pabbar U/s Dhambari	V	7.83	8.5	BDL	6.8	17

Exit Point

Polluted river Stretch	Priority	pH	D.O.	BOD	F.C.	T.C
			mg/l	mg/l	MPN/100ml	MPN/100ml
Sukhna Nallah D/s Water Quality at Kalka Barrier.	I	7.74	4.3	26.0	>1600	>1600
River Markanda D/s JattanWalaNallah at Dehramli	II	6.81	7.8	1.5	130	350
River Sirsa D/s Nalagarh Town	III	7.78	5.9	1.2	24	540
AshwaniKhad U/s Yashwant Nagar	V	7.98	7.8	0.3	4.0	39
River Beas (Right Bank) D/s Dehra Town)	V	8.11	9.0	0.8	17.0	350
River Giri D/s of Lift Water Supply Scheme at Sainj (at boundary District Shimla)	V	8.10	8.1	BDL	26.0	94.0
River Pabbar D/s of TRT of Sawara Kuddu	V	7.82	8.0	BDL	47.0	140.0