

National Mission for Clean Ganga

**Format for submission of Monthly Progress Report July-August, 24 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: 68,64,602

Urban Population: 6,88,552

Rural Population: 61,76,050

II. Estimated Sewage Generation (MLD):93.86 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs: 80
- Total Treatment Capacity of STPs(in MLD):148.58
- Capacity Utilization of existing STPs: 83.38 MLD
- MLD of sewage being treated through Alternate technology: 10.48(Soak Pits, Septic Tanks)
- Gap in Treatment Capacity in MLD: 10.48
- No. of Operational STPs: 72 operational, 5 under commissioning,
- No. of Non-complying STPs: 15 (in month of August, 24)

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 Tobadrynallah)	1.35	0.85	Operational	Complying
2.	Ghumarwin(Bajohra MC ward)	1.20	1.2	Operational	Complying
3.	Chamba- STPBarga-1	1.501	1.501	Operational	Complying
4.	Chamba-STPBarga-2	0.77	0.77	Operational	Complying
5.	Chamba-STP at Bhagot	0.89	0.89	Operational	Complying
6.	Chamba-STP at Karian	0.49	0.42	Operational	Complying
7.	HamirpurTown-Zone No.I	3.13	1.55	Operational	Complying
8.	HamirpurTown-Zone No.II	1.35	1.35	Operational	Complying
9.	HamirpurTown- ZoneNo.III	0.68	0.68	Operational	Non-Complying

10.	Hamirpur-STPWard No. 11	0.57	0.20	Operational	Complying
11.	Nadaun/NagardaNrHospital	1.69	0.75	Operational	Complying
12.	Sewerage scheme to Sujanpur Town (Zone 1) Near HPSEBsub Station Sujanpur	1.50	1.2	Operational	Complying
13.	Sewerage scheme to SujanpurTown(ZoneII) Near Govt ITI DoliSujanpur	1.75	0.5	Operational	Complying
14.	Nurpur-Ontheleft bank ofJabberKhadnear Bodh	3.13	0.54	Operational	Complying
15.	Dehra-NearShamshan GhatDehra	1.38	1.05	Operational	Complying
16.	Jawalamukhi- Near PetrolPumpGanjuBag	2.83	2.03	Operational	Non-Complying
17.	Dharamshala-Chellian	6.10	4.00	Operational	Complying
18.	Dharamshala-Old CharriRoad	0.20	0.20	Operational	Non-Complying
19.	Dharamshala-Ramnagar	0.03	0.03	Operational	Complying
20.	Dharamshala-Bhagsu	0.052	0.052	Operational	Non-Complying
21.	Dharamshala-Chellian NearNagMandir	0.165	0.165	Operational	Complying
22.	Dharamshala-Mela groundGamru	1.40	1.10	Operational	Complying
23.	Nagrota(villageTharu nearBanerKhad)	1.34	1.20	Operational	Complying
24.	Tanda-Rightsidebank of BanerKhad at Dr. RPGMGTanda	1.40	1.25	Operational	Complying
25.	Kangra- STP Zone -I NearSeniorSec.SchoolKangra	1.68	1.63	Operational	Complying
26.	Kangra-STPZone -II NearByepassKangra	1.46	1.15	Operational	Complying
27.	Kangra-STPZone-III OldKangranearFort	0.63	0.52	Operational	Complying
28.	Palampur-LeftBankof BihralKhad Bear Insp. HutPalampur	0.351	0.350	Operational	Complying
29.	KulluTown-LankaBekar	2.57	2.52	Operational	Complying
30.	KulluTown-Bhootnath	2.50	2.42	Operational	Complying
31.	KulluTown-Badah	0.38	0.29	Operational	Non-Complying
32.	Manali-Near Police StationManali(1.82to 3.00MLD)	3.00	3.0	Operational	Non-Complying
33.	Bhunter-MelaGround	0.99	0.99	Operational	Complying

34.	Bhunter-Sarabai	0.46	0.35	Operational	Complying
35.	Bhunter-Jarad	0.87	Not operational		Not collected due to the non-operation of the after damage in flash flood
36.	Jogindernagar-Village Majahmoo	1.73	1.25	Operational	Complying
37.	Mandi-Raghunathka Padhar	3.83	3.5	Operational	Complying
38.	Mandi-Khaliyar	0.47	0.46	Operational	Complying
39.	Sundernagar(Chandpur)	3.55	3.25	Operational	Complying
40.	Sarkaghat-PaplogZoneB	0.70	0.32	Operational	Complying
41.	Sarkaghat-Barchhwar Zone-C	1.67	1.15	Operational	Complying
42.	Rampur-Khopri	1.00	0.85	Operational	Complying
43.	Rampur-Chuhabag	0.50	0.47	Operational	Complying
44.	Rohru-NearRadha SwamiPetrolPump	1.745	1.745	Operational	Non-Complying
45.	Jubbal-Below22KVSub-Station HPSEB JubbalGhunglidhar(Kanhol)	0.651	0.35	Operational	Non-Complying
46.	KotkhaiTown- ZoneII	0.305	0.06	Operational	Complying
47.	KotkhaiTown- ZoneIII	0.163	0.04	Operational	Complying
48.	Narkanda	0.45	0.30	Operational	Non-Complying
49.	Theog	1.15	0.10	Operational	Sample not collected due to very low discharge at final outlet
50.	Sunni	0.65	0.30	Operational	Complying
51.	Paonta Sahib-Zone-1 (Devi Nagar)	0.44	0.44	Operational	Non-Complying
52.	Paonta Sahib-Zone-II (Main Bazar)	1.00	0.70	Operational	Complying
53.	Paonta Sahib-Zone-III (Jambu KaKhalla)	1.72	Only sullage of MC Paonta Sahib drain was tapped. Sample not collected as pipeline got damaged in the monsoon season. Household sewage connectivity is very low.		
54.	Solan, Shamti	2.90	1.80	Operational	Non-Complying

55.	Parwanoo	1.00	0.30	Operational	Non-Complying
56.	ArkiTown	0.70	0.40	Operational	Non-Complying
57.	Baddi Town-Kenduwal	5.50	1.75	Operational	Complying
58.	Nalagarh Town-Mandiyapur	3.62	0.80	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
62.	Gagret	3.14	0	STP construction completed, Laying Sewer and connections under progress	
63.	Chowari	1.10	0	STP construction completed, commissioning under process.	
64.	Rewalsar (Chalahar)	0.35	0	STP construction completed, commissioning under process.	
65.	Chamba-Parel	0.87	0	STP construction completed, commissioning under process.	
66.	Dalhousie	2.70	0	STP construction completed, commissioning under process.	
Rural Sector					
67.	Bharmour - Hadsar	0.21	0	STP Damaged due to flash flood in the year 2023-24	
68.	Marhi-Manali	0.2	0.2	Operational	Results awaited
69.	Sandhole Phase-I	0.31	0.17	Operational	Results not received
70.	R/Peo-Sarbo	1	0.95	Operational	Complying
71.	Sangla (Phase- II &III)	0.13	0	Plant got washed away during heavy rains in 2023.	
72.	Jakhri	1	0.8	Operational	Complying
73.	Kunihar	0.9	0.69	Operational	Non-Complying

74.	Chintpurni-Zone-I	0.57	0.10	Operational	Could not collected due to inaccessibility as a result of floods and frequent rainfall
	Total	101.623	60.93		

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	3.90	Operational	Complying
2	Dhalli	2.26	1.10	Operational	Complying
3	North Disposal, Shimla (Golcha)	5.8	4.10	Operational	Complying
4	Snowdon (Bermu)	1.35	0.65	Operational	Complying
5	Lalpani near Badagaon	25.20	12.00	Operational	Complying
6	Summer Hill (Below Andri)	3.93	0.70	Operational	Non-Complying
Total		46.96	22.45		

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	Sewerage Scheme to Rampur-Khaneri	1.2	100%	December 2024
2	Sewerage Scheme to Rampur- Dakolar	1.16	95%	March 2025
3	Talai	1.65	90%	March 2025
4	Santokhgarh	2.5	90%	December 2024
5	Dharamshala-Naddi	0.144	85%	December 2024
6	Parwanoo Zone-II	1	85%	December 2024
7	Sundernagar	4.5	80%	December 2024
8	Mandi-Khaliyar	1.5	74%	December 2024
9	Mandi-Raghunath	9.08	75%	December 2024

Sr. No.	Location of STP	Capacity(in MLD)	PhysicalProgress (STP) in % age	CompletionTimeline
	kaPadhar			
10	Dharamshala–Jatehar	0.06	65%	December 2024
11	Baijnath-Paprola (Zone-I)	2.18	25%	March 2025
12	Baijnath-Paprola (Zone-II)	1.46	60%	March 2025
13	Hamirpur- Bajuri	1.06	Work Awarded (LandDispute)	March-2025
14	Bhota	1.5	Work Awarded (LandDispute)	March-2025
15	Nerchowk	3.36	Work awarded	March-2025
16	Ghumarwin(Tikkri)	0.5	Work awarded	March-2026
17	Ghumarwin (BajohraMC Ward)	0.5	Work awarded	March-2026
Rural				
1	Holi in GP Holi	7 No. Septic tank	100%	July 2024
2	Trilokpur –Kheri Johron	1.5	100%	Aug 2024
3	Kala Amb	1.7	100%	Aug 2024
4	Bangana	0.40	100%	Aug 2024
5	Chintpurni-Zone- II	2.01	100%	Aug 2024
6	Chintpurni-Zone- III	2.49	95%	September 2024
7	Rarang	0.25	95%	December 2024
8	Thunag	0.32	80%	December 2024
9	Sewerage Scheme Hatkoti	0.651	78%	March 2025
10	Bharmour Zone-I	0.30	70%	December -2025
11	Janjheli	0.64	65%	December 2024
12	Killar	0.59	65%	December -2024
13	Providing Sewerage Taklech in Tehsil Rampur	0.5	20%	December -2025
14	Providing Sewerage Scheme to Neri, Sandhole, Datwar Sohar and Ghanala in Tehsil Sandhole	0.78	5%	December -2026
15	Bharmour Zone-II	1.00	Work Awarded	December -2025
16	Providing Sewerage Scheme to Garola and Adjoining Village In Tehsil Bharmour Distt.	0.6	Work Awarded	March -2026

Sr. No.	Location of STP	Capacity(in MLD)	PhysicalProgress (STP) in % age	CompletionTimeline
	Chamba			
17	Providing Sewerage system to GP Baranda in Tehsil Nurpur	0.6	Work Awarded	March -2026
18	Providing Sewerage system to Jassur& adjoining area in Tehsil Nurpur	1.10	Work Awarded	March -2026
19	Providing Sewerage Scheme Chatrari in Gram Panchayat Chatrari Tehsil & District Chamba	0.15	Work Awarded	March -2026
20	DPR for providing sewerage scheme with STP and Augmentation of water supply schemes for Rehan area etc. in tehsil Fatehpur Distt Kangra.	1.15	Work Awarded	As per availability of funds
	Providing Sewerage Scheme Kot, Rosso and Thana area in Tehsil Dharampur			
21	Kot	0.106	Work awarded	December -2026
22	Rosso	0.10		
23	Thana	0.10		
24	Sangla (Phase IV & V)	0.063	Land acquisition for STP under process	December -2026
25	Sangla(Phase I)	0.039	Land acquisition for STP under process	December -2026
26	Chitkul	0.4	T/S for STP under process	December -2026
27	Kalpa	0.42	T/S for STP under process	December -2026
28	Keylong (Zone-I)	0.2	Under Tendering	December -2026
29	Keylong (Zone-II & Zone-III)	0.41	Under Tendering	December -2026
30	Udaipur Zone –I	0.22	Land dispute	December -2026
31	Udaipur Zone –II	0.26	Land dispute	December -2026
	Total (Rural + Urban)	52.403		

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	25.20	99%	20494	July, 2024

	(Upgradation work)	(upgradation work)			
2	STP Snowdon	1.35 MLD	Retrofitting of these 3 no. of STPs is in progress 40% work completed rest is in progress	1025	August, 2024
3	STP North Disposal	5.80 MLD		4782	
4	STP Summer Hill	3.93 MLD		2049	
	Total	36.28			

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	Kullu (Badah)	1.50	Under Tendering	As per availability of funds
5	Shahpur Town	1.67	Under Tendering	As per availability of funds
6	Nerwa	0.66	A/A & E/S accorded	As per availability of funds
7	Manali-Rangri	16.33	The tender for STPs is under process and the work of distribution network is in progress.	As per availability of funds
8	Bilaspur- below Luxmi Narayan Temple (STP-1)	5	Under Tendering	As per availability of funds
9	Bilaspur-Lower Lakhanpur (STP-2)	2		
10	Palampur	2.93	Under Tendering	As per availability of funds
11	Jawali Town	1.50	At DPR Stage	As per availability of funds
12	Mehatpur-Zone-E & F Basdhera	1.30	At DPR Stage	As per availability of funds
13	Chirgaon	0.70	At DPR Stage	As per availability of funds
14	Nirmand	0.75	At DPR stage	As per availability of funds

15	Solan-Zone-1 (BelowKhundi Dhar) near Shamti	6.5	At DPR stage	Asperavailabilityof funds
16	Solan-Zone-II	4.7		
17	SolanZone-III	3.4		
18	SolanZone-IV	1		
19	Kandaghat	1.3	At DPR stage	Asper availability of funds
20	Tahliwal	1	At DPR stage	Asper availability of funds
21	Daulatpur	1	At DPR stage	Asper availability of funds
22	Amb	1.9	At DPR stage	Asper availability of funds
23	Karsog	1.80	AtDPRstage (Under AFD)	Asper availability of funds
24	Nahan-Zone-I	4.58	AtDPRstage (Under AFD)	Asperavailabilityof funds
25	Nahan–Zone-II	2.92		
26	Nahan-Zone-III	1.28		
RURAL				
	Providing Sewerage Scheme to Dharampur, Banwar, Richali and adjoining area in Tehsil Dharampur			
1	Dharampur	0.3	Work Awarded	As per availability of funds
2	Banwar	0.2	Under Tendering	
3	Richhali	0.1	Under Tendering	
4	Providing Sewerage scheme to Udaipur Khas in GP Udaipur Tehsil & Distt. Chamba	0.48	Under Tendering	As per availability of funds
5	Providing Sewerage scheme to heritage village Garli&Pragpur in Tehsil Pragpur	0.67	Under Tendering	As per availability of funds
6	DPR for providing Sewerage Scheme to NagrotaSurian in tehsil Jawali	1.87	Under Tendering	As per availability of funds
7	Providing Sewerage scheme to SeothKhanoudProun Tehsil Dharampur	0.2	Under Tendering	As per availability of funds
8		0.1		
	Providing Sewerage scheme to Chowki, Rakhera and Riyur Tehsil Dharampur			As per availability of funds
9	Chowki	0.171	Under Tendering	As per availability of funds

10	Rakhera	0.1		
11	Riyur	0.14		
12	Providing Sewerage scheme to Namgia village in G.P. Namgia Tehsil, Pooh	0.20	Under Tendering	As per availability of funds
	Providing Sewerage Scheme Mehla in Gram Panchayat Mehla Tehsil & District Chamba			
13	Zone-I	0.100	Under Tendering	As per availability of funds
14	Zone-II	0.240		
15	Providing Sewerage scheme to village Pangri in GP Pangri Tehsil Kalpa	0.42	A/A & E/S accorded	As per availability of funds
	Providing Sewerage to Pooh village, Pooh colony in GP Pooh Tehsil Pooh Distt Kinnaur			
16	Zone I	0.313	A/A & E/S accorded	As per availability of funds
17	Zone –II	0.20		
18	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			
19	Tabo	0.2	Under Tendering	As per availability of funds
20	Lari	0.13		
	Total	75.404		

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	Final approval has been accorded dated 03.07.2024	--
2	At TotuBhariyal	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 and land transfer case is in progress	--
	Total	7.6 MLD		

IV. Details of Industrial Pollution:

- No. of industries in the State:**11679**
- No. of water polluting industries in the State:4161
- Quantity of effluent generated from the industries in MLD:**42.0427MLD**
- Quantity of Hazardous Sludge generated from the Industries in TPD:**7.583 MT approx.**
- Number of industrial units having ETPs:**1171 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 55.875 MLD(including 25 MLD CETP)**
- Compliance status of the ETPs:**16 ETPswere non-complying (August, 24)**
- Number and total capacity of CETPs (details of existing/ commissioned / proposed)
Existing: CETP Baddi (25 MLD), CETP Kala Amb (2.5MLD), Proposed:Poanta Sahib (2 MLD),
No. of CETP existing: **2**
No. of CETP proposed: **1**
No. of CETP under-construction: **0**
- Status of compliance and operation of the CETPs

Sr. No.	Location	Capacity	Status
1	CETP at Kenduwal, Baddi, District- Solan (HP)	25 MLD	Operational
2	CETP at Paonta Sahib, District-Sirmour HP	2 MLD	Proposed
3	CETP Kala Amb, District-Sirmour	2.5 MLD	Operational

Regional Office	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Poanta Sahib	Total 1337 (235are water polluting industries)	10.90 MLD	235 ETPs operational	CETP Kala Amb of capacity 5 MLD (Phase-I: 2.5 MLD).

				Operational since December, 2023. Current discharge 0.65 MLD. Proposed: Paonta Sahib of capacity 2 MLD
Parwanoo	Total 966 (112 are water polluting industries)	0.9761MLD	112 ETPs are operational	Nil
Bilaspur	Total 273 (27 are water polluting industries)	0.0903 MLD	17 ETPs are operational	Nil
Shimla	Total 769 (471 are water polluting industries)	0.213 MLD	33 ETPs operational	Nil
Dharamshala	Total 1826 (1661 are water polluting industries)	1.5 MLD	61 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 1706 (138 are water polluting industries)	0.166 MLD	16 units have ETPs and are operational	Nil
Rampur	Total 551 (446 are water polluting industries)	0.117 MLD	8 ETPs are operational	Nil
Chamba	Total 421 (375 are water polluting industries)	0.026 MLD	4 ETPs are operational	Nil
Una	Total 789 (82 is water polluting industries)	4.63 MLD	82 ETP is operational	Nil
Mandi	Total 598 (38 are water polluting industries)	0.22 MLD	27 ETPs are operational	Nil
Hamirpur	Total 191 (20 are water polluting industries)	0.0465 MLD	10 ETPs are operational	

- **Solid Waste Management:** Total number of Urban Local Bodies and their Population:60 ULBs and population: 7,12,575
- Current Municipal Solid Waste Generation:375TPD approx.
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing e.g.- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio-methanation, MRF etc:

- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%):
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction):**Nil**
- Total no. of wards: 551
- No. of wards having door to door collection service:551
- No. of wards practicing segregation at source:
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology):**Up-gradation 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 on Feb, 2024

Quantity of MSW generated (TPD)	Quantity of MSW Collected (TPD)	Quantity of MSW Processed (TPD)
375	375	368

V. Bio-medical Waste Management: (Scientific)

- Total Bio-medical generation: 4092.44 Kg/day
- No. of Hospitals and Health Care Facilities:9756
- Status of Treatment Facility/ CBMWTF:
 - There are four Common Biomedical Waste Treatment Facilities (CBWTFs) operating in the State with incineration capacity is 12 MT/day.
 - M/s Enviro Engineers, Biomedical Waste Treatment Facility, Sandli, Tehsil Arki, District Solan having incinerable capacity 100 Kg/hr covering District Shimla, Solan, 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 having incinerable capacity 200 Kg/hr covering Mandi, Kullu, Bilaspur and Lauhal and Spiti sub-divisions.

VI. Hazardous Waste Management:

- Total Hazardous Waste generation: 47618.19 MT (2022-23)
- No. of Industries generating Hazardous waste: -2579 nos. (2022-23)
- 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: -33608.878 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.

40 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.

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 Phyto-remediation 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 (Sukhna Nallah) has been completed which was damaged during rainy season.

The work of in-situ remediation in Jattan Wala Nallah (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(July 24 & August, 24).**

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 Vibhaghas taken up water conservation initiative under various programmes like JJM, PMKSY, MNREGA, Sustainability component of NRDWP, CRF, D.C. Funds, AIBP, NABARD, PARVATDHARA etc.

XVI. Demarcation of Floodplain and removal of illegal encroachments:

Not under the purview of JSV

XVII. Maintaining minimum e-flow of river:

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:No coastal area in HP

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**August, 2024**

PRS	Sampling Point	pH	DO	BOD	FC	TC
Sirsa	RIVER SIRSA U/S SITOMAJRI NALAHGARH	7.82	6.8	1.4	17	220
	RIVER SIRSA D/S NALAGARH BRIDGE	7.85	6.7	1.5	24	350
	RIVER SIRSA AT D/S NALAGARH DISTT. SOLAN	7.46	6.7	1.2	17	210
	RIVER SIRSA U/S SANDHOLI NALLAH	7.78	6.8	1.7	21	350
	RIVER SIRSA D/S HOUSING BOARD NALLAH	6.66	6.2	2.5	23	920
	RIVER SIRSA D/S RIVER RATTA	7.61	6.8	1.4	12	350
Sukhna	RIVER SUKHANA AT PARWANOO, DISTT. SOLAN	7.75	5.3	0.6	4	39
Ashwani Khad	ASHWANI KHAD U/S OF WEIR SITE OF WTP NEAR ASHWANI BRIDGE	8	7.1	3.4	110	1600
	D/S OF ASHWANI KHAD (AFTER CONFLUENCE OF LIFT NALLAH)	8	7.2	5.4	220	1600
Bald	RIVER BALD D/S LANDFILLSITE AT BADDI	8.13				
Ratta	RIVER RATTA BEFORE CONF. TO RIVER SIRSA	7.78	6.9	1.3	22	220
Giri	RIVER GIRI AT D/S YASHWANT NAGAR	8.1	7.8	0.1	2	17
	RIVER GIRI AFTER CONFLUENCE OF ASHWANI RIVER AT GIRIPUL, YASHWANT NAGAR	8.31	8	0.4	4	39
	RIVER GIRI D/S PROPOSED SITE OF SRI RENUKAJI DAM SITE NEAR BRIDGE AT DADAHU-RENUKAJI	8.17	8.3	1.1	26	170
Markanda	RIVER MARKANDA D/S OF SALANI KHAD	7.88	8	1.1	21	130
	RIVER MARKANDA D/S OF MOGINAND NALA	8.16	7.8	1.7	70	280
	RIVER MARKANDA AT KALA AMB U/S (H.P)	8.14	7.9	1.2	32	170
Shikari Khad	SHIKARI KHAD BEFORE CONFLUENCE TO RIVER PABBAR NEAR HRTC ROHRU BUS STAND	7.3	7.9	BDL	68	280
Pabbar	RIVER PABBAR AT D/S SWARAKUDDU	7.5	7.8	BDL	350	1600

July-24

PRS	Sampling Point	pH	DO	BOD	FC	TC
Sirsa	RIVER SIRSA U/S SITOMAJRI NALAHGARH	7.78	6.9	10	>1600	>1600
	RIVER SIRSA D/S NALAGARH BRIDGE	8.34	6.7	3	280	>1600
	RIVER SIRSA AT D/S NALAGARH DISTT. SOLAN	8.28	6.7	3.4	350	>1600
	RIVER SIRSA U/S SANDHOLI NALLAH	8.01	6.7	12	>1600	>1600
	RIVER SIRSA D/S HOUSING BOARD NALLAH	8.1	6.2	22	>1600	>1600
	RIVER SIRSA D/S RIVER RATTA	7.84	6.5	2.4	11	280
Sukhna	RIVER SUKHANA AT PARWANOO, DISTT. SOLAN	7.6	1	14	>1600	>1600
Ashwani Khad	ASHWANI KHAD U/S OF WEIR SITE OF WTP NEAR ASHWANI BRIDGE	8.1	6.2	4.8	170	6100
	D/S OF ASHWANI KHAD (AFTER CONFLUENCE OF LIFT NALLAH)	8	6.3	6.4	520	6800
Bald	RIVER BALD D/S LANDFILLSITE AT BADDI	8.05	6.1	1	17	280
Ratta	RIVER RATTA BEFORE CONF. TO RIVER SIRSA	7.77	6.7	2.2	11	280
Giri	RIVER GIRI AT D/S YASHWANT NAGAR	7.81	7.7	0.6	4	34
	RIVER GIRI AFTER CONFLUENCE OF ASHWANI RIVER AT GIRIPUL, YASHWANT NAGAR	7.88	7.4	0.1	2	17
	RIVER GIRI D/S PROPOSED SITE OF SRI RENUKAJI DAM SITE NEAR BRIDGE AT DADAHU-RENUKAJI	8.19	7.3	1.1	32	220
Markanda	RIVER MARKANDA D/S OF SALANI KHAD	8.17	7.4	1.6	130	540
	RIVER MARKANDA D/S OF MOGINAND NALA	8.06	7.3	1.9	220	1600
	RIVER MARKANDA AT KALA AMB U/S (H.P)	8.1	7.2	1.5	70	350
Shikari Khad	SHIKARI KHAD BEFORE CONFLUENCE TO RIVER PABBAR NEAR HRTC ROHRU BUS STAND	7.8	7.3	BDL	13	350
Pabbar	RIVER PABBAR AT D/S SWARAKUDDU	8.4	8	BDL	12	1600

Exit Point**August-24**

Polluted river Stretch	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 (1870).	7.75	5.3	0.6	4.0	39.0
River Markanda D/s Jattan Wala Nallah at Dehramli	7.24	4.1	3.5	1300	5400
River Sirsa D/s Nalagarh Town (1868)	8.3	6.1	0.8	12.0	70.0
AshwaniKhad U/s Yashwant Nagar (2620)	8.23	7.6	0.3	2.0	26.0
River Beas (Right Bank) D/s Dehra Town) (1008)	7.67	6.7	1.2	390	2100
River Giri D/s of Lift Water Supply Scheme at Sainj (at boundary District Shimla) (3878)	7.57	8.0	BDL	22	920
River Pabbar D/s of TRT of Sawara Kuddu (2619)	7.49	7.8	BDL	350	1600

July-24

Polluted river Stretch	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 (1870).	7.55	1.0	14.0	>1600	>1600
River Markanda D/s Jattan Wala Nallah at Dehramli	8.22	4.0	4.2	4400	10800
River Sirsa D/s Nalagarh Town (1868)	8.28	6.7	3.4	350	>1600
AshwaniKhad U/s Yashwant Nagar (2620)	7.87	7.8	1.3	4.5	110
River Beas (Right Bank) D/s Dehra Town) (1008)	7.59	9.2	BDL	47	1600
River Giri D/s of Lift Water Supply Scheme at Sainj (at boundary District Shimla) (3878)	7.94	8.0	BDL	47.0	1600
River Pabbar D/s of TRT of Sawara Kuddu (2619)	8.41	8.0	BDL	12.0	1600