

National Mission for Clean Ganga
Format for submission of Monthly Progress Report 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: 6,86,4602

Urban Population: 6,88,552

Rural Population: 61,76,050

II. Estimated Sewage Generation (MLD): 210.49 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs: 65
- Total Treatment Capacity of STPs (in MLD): 120.496
- Capacity Utilization of existing STPs: 80.28
- MLD of sewage being treated through Alternate technology: 133.63 (Soak Pits, Septic Tanks)
- Gap in Treatment Capacity in MLD: 89.994
- No. of Operational STPs: 65
- No. of Non-complying STPs: 7

Details of each existing STP in the State

Jal Shakti Vibhag

Sr. No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status
1	Sh. Naina Devi Ji (Kola Toba dry nallah)	1.35	0.75	Operational	Complying
2	Ghumarwin (Bajohra MC ward)	1.2	0.98	Operational	Complying
3	Chamba -STP Barga-1	1.501	1.501	Operational	Non-Complying
4	Chamba -STP Barga-2	0.77	0.51	Operational	Complying
5	Chamba -STP Sitla Bridge	0.2	0.2	Operational	Non-Complying
6	Chamba -STP at Bhagot	0.89	0.89	Operational	Complying
7	Chamba-STP at Karian	0.49	0.49	Operational	Complying
8	STP NIT Hamirpur	0.27	0.27	Operational	Complying
9	Hamirpur Town-Zone No. I	3.13	1.5	Operational	Complying

Sr. No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status
10	Hamirpur Town -Zone No. II	1.35	1.25	Operational	Complying
11	Hamirpur Town- Zone No. III	0.68	0.68	Operational	Complying
12	Nadaun/Nagarda Nr Hospital	1.69	0.54	Operational	Complying
13	Sewerage scheme to Sujanpur Town(Zone 1) Near HPSEB sub Station Sujanpur	1.5	0.88	Operational	Complying
14	Sewerage scheme to Sujanpur Town(Zone II) Near Govt ITI Doli Sujanpur	1.75	0.275	Operational	Complying
15	Dehra- Near Shamshan Ghat Dehra	1.38	0.52	Operational	Complying
16	Jawalamukhi- Near Petrol Pump Ganju Bag	2.83	1.88	Operational	Complying
17	Nurpur- On the left bank of Jabber Khad near Bodh	3.13	0.2	Operational	Complying
18	Dharamshala- Chellian	5.15	3.2	Operational	Complying
19	Dharamshala -Old Charri Road	0.2	0.2	Operational	Complying
20	Dharamshala -Ramnagar	0.03	0.03	Operational	Complying
21	Nagrota (village Tharu near Baner Khad)	1.34	1.34	Operational	Complying
22	Kangra- STP Zone -I Near Senior Sec. School Kangra	1.68	0.866	Operational	Complying
23	Kangra-STP Zone -II Near Bye pass Kangra	1.46	0.930	Operational	Complying
24	Kangra- STP Zone -III Old Kangra near Fort	0.63	0.314	Operational	Complying
25	Palampur- Left Bank of Bihral Khad Bear Insp. Hut Palampur	0.35	0.35	Operational	Complying
26	Tanda-Right side bank of Baner Khad at Dr. RPGMG Tanda	1.4	1.4	Operational	Complying
27	R/Peo -Sarbo	1	0.52	Operational	Complying
28	Rampur-Khopri	1	0.7	Operational	Complying
29	Rampur-Chuhabag	0.5	0.43	Operational	Complying
30	Jakhri	1	0.69	Operational	Complying
31	Rampur-Khaneri	1	0.6	Operational	Complying

Sr. No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status
32	Sarahan	0.124	0.1	Operational	Complying
33	Kullu Town- Lanka Bekar	2.57	2.57	Operational	Complying
34	Kullu Town-Bhootnath	2.5	2.5	Operational	Complying
35	Kullu Town-Badah	0.38	0.38	Operational	Complying
36	Manali-Near Police Station Manali	1.82	1.82	Operational	Complying
37	Bhunter Mela Ground	0.99	0.99	Operational	Complying
38	Bhunter- Sarabai	0.46	0.46	Operational	Non-Complying
39	Bhunter- Jarad	0.87	0.87	Operational	Complying
40	Jogindernagar-Village Majahrnoo	1.74	1.3	Operational	Complying
41	Mandi -Raghunath ka Padhar	3.83	2.5	Operational	Complying
42	Mandi- Khaliyar	0.47	0.42	Operational	Complying
43	Sundernagar (Chandpur)	3.55	3.2	Operational	Complying
44	Sarkaghat-Paplog Zone B	0.7	0.58	Operational	Complying
45	Sarkaghat-Barchhwar Zone-C	1.67	0.6	Operational	Complying
46	Rohru- Near Radha Swami Petrol Pump	1.75	1.4	Operational	Non-Complying
47	Jubbal- Below 22 KV Sub-Station HPSEB Jubbal Ghunglidhar (Kanhhol)	0.651	0.31	Operational	Complying
48	Theog -Village Jatain	1.15	0.6	Operational	Complying
49	Narkanda	0.45	0.25	Operational	Complying
50	Paonta Sahib -Zone -1 (Devi Nagar)	0.44	0.4	Operational	Complying
51	Paonta Sahib-Zone -II (Main Bazar)	1	0.3	Operational	Complying
52	Solan, Shamti	2.9	1.5	Operational	Complying
53	Arki Town	0.7	0.32	Operational	Complying
54	Kunihar	0.9	0.61	Operational	Complying
55	Baddi Town-Kenduwal	5.5	2.24	Operational	Complying
56	Nalagarh Town-Mandiyapur	3.62	2.4	Operational	Complying
57	Una- Chandarlok Colony for Zone D	0.65	0.13	Operational	Complying
58	Una- Rampur for Zone A&B	2.53	0.51	Operational	Complying
59	Mehatpur- Zone D	0.1	0.08	Operational	Complying

Sr. No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status
	Basdhera				
	Total	84.866	54.226		

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Sr. No.	Location	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Operational Status of STP	Compliance Status of STP
1	Sanjauli Malyana	4.44	3.22	Operational	Non-Complying
2	Dhalli	0.76	0.76	Operational	Complying
3	North Disposal, Shimla	5.8	5.80	Operational	Complying
4	Snowdon	1.35	1.35	Operational	Non-Complying
5	Lalpani	19.35	11	Operational	Non-Complying
6	Summer Hill	3.93	3.93	Operational	Complying
	Total	35.63	26.06		

Details of under construction STPs in the State

Jal Shakti Vibhag

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Talai	1.65	20%	Yet to be released	June-2022
2	Chamba- Parel	0.87	30%	in progress	Dec-2022
3	Dalhousie	2.15	65%	Yet to be released	Sep-2022
4	Chowari	1.45	20%	Yet to be released	Sep-2022
5	Hamirpur- STP Ward No. 11	0.58	98%	Not released yet	Dec-2021
6	Dharamshala-Mela Ground Gamru	1.4	90%		June-2022
7	Dharamshala-Chellian near nag mandir	0.165	100%	Connection Released	June-2022
8	Dharamshala-Bhagsu near	0.052	100%	Connection Released	June-2022

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
	taxi stand				
9	Manali-Marhi	0.2	100%	work in progress	31.10.2020 (extension applied upto 30-09-2021)
10	Rewalsar (Chalahar)	0.35	95%	In progress	June-2022
11	Sewerage Kotkhai Town/	Zone I-Septic Tank	100%	In progress	Completed
12	Hospital Kotkhai-Ram Bazar Kotkhai	Zone II-0.305	100%	In progress	31-03-2021(extension applied upto 30-09-2021)
13		Zone II-0.163	100%	In progress	31-03-2021(extension applied upto 30-09-2021)
14	Sewerage Scheme Hatkoti (Rural opp. Nandpur Kanch left bank of Pabbar River)	0.651	75%	Yet to be released	Oct, 2021
15	Sunni	0.65	95%		Sep-2022
16	Trilokpur - Kheri Johron	1.5	35%	in progress	31-12-2020 (extension applied upto 30-06-2021) Now proposed date of completion 30.09.2021
17	Paonta Sahib Zone -III (Jambu ka khala)	1.72	90%	in progress	June-2021 Now proposed date of completion 30.09.2021
18	Kala Amb	1.7	30%		31-12-2020 (extension applied upto 30-06-2021) Now proposed date of completion 30.09.2021
19	Parwanoo Sector 5 (Zone-II)	1	95%	in progress	31-03-2021 (extension applied upto 30-06-2021) Now proposed date of completion 30.09.2021

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
20	Tipra	1		in progress	31-03-2021 (extension applied upto 30-06-2021) Now proposed date of completion 30.09.2021
21	Mehatpur- Zone A,B & C - Basdhera	0.73	80%	Yet to be started	June-2021 Now proposed date of completion 30.09.2021
22	Santokgarh	2.50	45%		June-2022
23	Gagret	3.14	70%		Dec-2022
24	Bhota	1.15	Work awarded		Dec-2022

Under Construction 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 Malyana (Upgradation)	5.23	20	2832 sewer connections	March, 2021
2	STP Lalpani (Upgradation)	14.2	10	7128 sewer connections	March, 2021
3	STP Totu	2	20	50 sewer connections	March, 2021
4	STP Dhalli(Upgradation)	1.5	5	250 sewer connections	March, 2021
5	STP Panthaghatti	3.1		Work Awarded	March, 2021
	Total	26.03			

Details of proposed STPs in the State

Jal Shakti Vibhag

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	Bilaspur - below Luxmi Narayan Temple (STP-1)	5	DPR proposed under AFD	Dec, 2022
2	Bilaspur - Lower Lakhanpur (STP-2)	2	DPR proposed under AFD	Dec, 2022

3	Hamirpur- Bajuri for left out area of MC Area Hamirpur	1.06	Work to be awarded	Dec-2021
4	Dharamshala - Naddi	0.15	Under Tendering	June-2022
5	Jawali Town	1.35	DPR Stage	Dec-2022
6	Baijnath Paprola	3.64	DPR submitted for approval	Dec-2022
7	Palampur	0.45	DPR Proposed under AFD	Sep-2022
8	Shahpur Town	0.40	DPR Stage	Dec-2022
9	Near Manali-Rangri	16.33	Under Tendering Process in AFD.	31-03-2021 (extension applied upto 30-09-2021)
10	Banjar	0.55	Under Tendering	Dec-2022
11	Anni	0.55	DPR Stage	Dec-2022
12	Nirmand	0.75	DPR Stage	Dec-2022
13	Nerchowk	3.36	DPR submitted for approval	Dec-2022
14	Mandi - Raghunath ka Padhar	9.08	Work Awarded	31-03-2021 (extension applied upto 30-09-2022)
15	Mandi- Khaliyar	1.5	Work Awarded	31-03-2021 (extension applied upto 30-09-2022)
16	Karsog	0.9	DPR Proposed under AFD	Dec-2022
17	Rajgarh	1.5	Tenders being finalized.	Dec-2022
18	Nahan-Zone-I	1.00	DPR proposed under AFD	Dec-2022
19	Nahan –Zone-II	2.50	DPR proposed under AFD	Dec-2022
20	Nahan-Zone -III	1.60	DPR proposed under AFD	Dec-2022
21	Solan-Dadhog	2.5	DPR Stage	Dec-2022
22	Solan-Below Power house	1.6	DPR Stage	Dec-2022
23	Kandaghat	0.40	DPR Stage	Dec-2022
24	Mehatpur-Zone-E &F Basdhera	3.14	Under Tendering	June-2021
25	Tahliwal	1	DPR Stage	Dec-2022
26	Daulatpur	2	DPR Stage	Dec-2022
27	Amb	0.80	DPR Stage	Dec-2022
28	Chopal	0.20	DPR Stage	Dec-2022
29	Chirgaon	0.50	DPR Stage	Dec-2022
30	Nerwa	0.95	DPR Stage	Dec-2022
	Total	66.76		

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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
2	STP Dhalli-2	1	At DPR Stage	March, 2023

IV. Details of Industrial Pollution:

- No. of industries in the State: **9506**
- No. of water polluting industries in the State: **2779**
- Quantity of effluent generated from the industries in MLD: **45.63 MLD**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **35.1 MT approx.**
- Number of industrial units having ETPs: **1000 ETPs are operational**
- Number of industrial units connected to CETP: **468**
- Number and total capacity of ETPs (details of existing/ under construction / proposed): **total treatment capacity 59.97 (including 25 MLD CETP)**
- Compliance status of the ETPs: **12 non-complying.**
- Number and total capacity of CETPs (details of existing/ under construction / proposed)
Existing: CETP Baddi (25 MLD), Proposed:, Poanta Sahib (2 MLD), Under Construction:
CETP Kala Amb (5 MLD)
No. of CETP existing: **1**
No. of CETP proposed: **1**
No. of CETP under-construction: **1**
- Status of compliance and operation of the CETPs

Sr. No.	Location	Capacity	Status
1	CETP at Kenduwal, Baddi, District-Solan (HP)	25	Operational, Complying
2	CETP at Paonta Sahib, District-Sirmour HP	2	Proposed
3	CETP Kala Amb, District- Sirmour	5	<ul style="list-style-type: none">• Work in progress.• 95% civil work of equalization tank, MBBR tank-1, MBBR tank-2 and Anoxic chamber completed.• 85-90% civil work of Filter Feed Tank and Chlorination Contact Tank completed.• Inter tanks pipeline connectivity not done yet.• Machinery of CETP cum STP is being installed.

Regional Office	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Poanta Sahib	Total 1263 (153 are water polluting industries)	10.75 MLD	153 ETPs operational	CETP Kala Amb of capacity 5 MLD under construction (Phase-I 2.5 MLD) Paonta Sahib of capacity 2 MLD
Parwanoo	Total 1003 (93 are water polluting industries)	0.913 MLD	93 ETPs are operational	Nil
Bilaspur	Total 12 (12 are water polluting industries)	0.1046 MLD	11 ETPs are operational	Nil
Shimla	Total 671 (31 are water polluting industries)	2.28 MLD	28 ETPs operational	Nil
Dharamshala	Total 1522 (1447 are water polluting industries)	4.275 MLD	47 ETPs operational	
Baddi	Total 2298 (567 are water polluting industries)	22 MLD	Captive ETPs 468 units connected to CETP Baddi	CETP Baddi of capacity 25 MLD is Operational
Kullu	Total 1295 (112 are water polluting industries)	0.1845 MLD	14 units have ETPs and are operational	Nil
Rampur	Total 272 (255 are water polluting industries)	0.148 MLD	8 ETPs are operational	Nil
Chamba	Total 279 (2 are water polluting industries)	0.011 MLD	2 ETPs are operational	Nil
Una	Total 891 (77 is water polluting industries)	4.972MLD	77 ETP is operational	Nil

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population: 61 ULBs and population: 7,88,156
- Current Municipal Solid Waste Generation: 370 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:

Component	Status
<ul style="list-style-type: none"> - Aerobic microbial pit composting through Honeycomb model pits. - Rapid composters - Through piggery/gaushala - Waste to Energy 	40 ULBs 2 ULB 2 ULB. 2 WtE plants at Shimla & Manali (temporarily waste of Bhuntar also going to Manali WtE plant)
<ul style="list-style-type: none"> - Waste to reject defused fuel & Composting 	1 plant covering 3 ULBs namely Baddi, Parwanoo & Nalagarh
<ul style="list-style-type: none"> - MRF developed 	46 ULBs
<ul style="list-style-type: none"> - MRF under construction 	08 ULBs

- 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 : 509
- 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

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
61	370	370	48		Upgradation of existing facilities & development of SWM facilities in new ULBs proposed. Completion timeline is Dec, 2022.

VI. Bio-medical Waste Management:

- Total Bio-medical generation: 3406.6 kg per day
- No. of Hospitals and Health Care Facilities: 8971
- Status of Treatment Facility/ CBMWTF:

There are three CBMWTF established at Solan, Kullu & Kangra. The CBWTF at Pardi, Kullu is temporarily closed. For proper management of biomedical waste, one new CBWTF is going to establish at Vill. Malyawar, Tehsil Ghumarwin, Distt. Bilaspur (H.P.) for which the State Board has granted Consent to Establish.

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 27807 MT per Annum (2019-20)
- No. of Industries generating Hazardous waste:- 2436 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:- 100% treated.
- Details of on-going or proposed TSDF:- There is only one TSDF in the State i.e. M/s Shivalik Solid Waste Management Ltd., Village Majra, P.O. Dobhota, Tehsil Nalagarh, Distt. Solan (H.P.) established in year 2008 with design capacity 10 Lac MT for disposal of Hazardous Waste with capacity of 50,000 MT/Annum.

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 35-40 TPD
- 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.

IX. 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 Recator) syster 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.

X. 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 and is operational.

The work of in-situ remediation in Jattan Wala Nallah (catchment of Priority-II river stretch) has been completed.

XI. 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.

XII. 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). Recent meeting was held on 19.06.2021.

XIII. 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.

XIV. 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.

XV. 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.

XVI. 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.

XVII. Demarcation of Floodplain and removal of illegal encroachments:

XVIII. 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.

XIX. Plantation activities along the rivers:

Priority-I (Sukhna Nallah 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 Trilokpur Devini Area in FY 2019-20
- 9600 plants planted during FY-2020-21.

Priority – III (River Sirsa 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.

XX. 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 ~ Sukhna Nallah.
- 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.

XXI. 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.

XXII. 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.

XXIII. Status of Preparation of Action Plan by the 13 Coastal States: No coastal area in HP

XXIV. 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.

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

All action plans are being implemented and are on track. 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 **April, 2021:**

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	Source Dry				
River Markanda Upstream Kala Amb	II	7.41	8.1	1.1	22	170
River Sirsa U/s Sitomajri Nallah	III	7.57	5.0	4.0	12	40
Ashwani Khad w.r.t U/s of weir site of WTP near Ashwani Bridge	V	7.26	6.8	80	>1600	>1600
River Beas, U/s Manali	V	7.31	8.9	0.01	33	130
River Giri at U/s Chailla	V	8.15	7.4	1	170	>1600
River Pabbar U/s Dhambari	V	7.6	8.5	1	>1600	>1600

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	7.26	5.1	4.2	21	120
River Markanda D/s Jattan Wala Nallah at Sadhora	II	Source Dry				
River Sirsa D/s Nalagarh Town	III	7.61	5.5	2.0	63	120
Ashwani Khad U/s Yashwant Nagar	V	7.82	8.5	0.2	11	58
River Beas (Right Bank) D/s Dehra Town)	V	7.87	9.3	0.2	2	21
River Giri D/s of Lift Water Supply Scheme at Sainj (at boundary District Shimla)	V	7.7	7.6	1	220	>1600
River Pabbar D/s of TRT of Sawara Kuddu	V	7.73	7.8	1	46	46

The water quality of polluted rivers for month of **May, 2021**:

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	Source Dry				
River Markanda Upstream Kala Amb	II	7.62	7.5	1.2	26	220
River Sirsa U/s Sitomajri Nallah	III	8.08	6.9	1.8	11.0	48
Ashwani Khad w.r.t U/s of weir site of WTP near Ashwani Bridge	V	7.48	7.8	7.2	>1600	>1600
River Beas, U/s Manali	V	7.24	8.4	01	46	220
River Giri at U/s Chailla	V	8.27	8.6	33	>1600	>1600
River Pabbar U/s Dhambari	V	7.61	9.2	BDL	33	>1600

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	Source Dry				
River Markanda D/s Jattan Wala Nallah at Sadhora	II	Source Dry				
River Sirsa D/s Nalagarh Town	III	8.00	7.8	2.2	21	79
Ashwani Khad U/s Yashwant Nagar	V	8.2	8.0	1.1	13	49
River Beas (Right Bank) D/s Dehra Town)	V	7.89	9.3	0.1	2	27
River Giri D/s of Lift Water Supply Scheme at Sainj (at boundary District Shimla)	V	8.19	8.5	BDL	49	>1600
River Pabbar D/s of TRT of Sawara Kuddu	V	7.98	9.0	BDL	49	>1600

The water quality of polluted rivers for month of **June, 2021**:

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	Source Dry				
River Markanda Upstream Kala Amb	II	7.83	8.3	1.1	26.0	170.0
River Sirsa U/s Sitomajri Nallah	III	7.38	7.4	2	13	58
Ashwani Khad w.r.t U/s of weir site of WTP near Ashwani Bridge	V	Results awaited				
River Beas, U/s Manali	V	7.34	8.6	0.1	36	220
River Giri at U/s Chailla	V	Results awaited				
River Pabbar U/s Dhambari	V	Results awaited				

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	Source Dry				
River Markanda D/s Jattan Wala Nallah at Sadhora	II	7.14	5.1	5.0	2100	35000.0
River Sirsa D/s Nalagarh Town	III	7.19	5.6	2.4	22	94
Ashwani Khad U/s Yashwant Nagar	V	7.87	6.7	1.2	11	48
River Beas (Right Bank) D/s Dehra Town)	V	Results awaited				
River Giri D/s of Lift Water Supply Scheme at Sainj (at boundary District Shimla)	V	Results awaited				
River Pabbar D/s of TRT of Sawara Kuddu	V	Results awaited				