

**Action Plan  
for Rejuvenation of  
River Ganga**

**(River Stretch: Haridwar to Sultanpur)**

**Distt. Haridwar  
(Uttarakhand)**

**Priority - IV**

**January, 2019**

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## **1. INTRODUCTION**

Haridwar is an ancient city of district Haridwar of Uttarakhand. The River Ganga, after flowing for 253 kilometres from its source at Gaumukh at the edge of the Gangotri Glacier, enters the Indo-Gangetic Plains of North India. Haridwar is an important Hindu pilgrimage centre where the River Ganges exits the Himalayan foothills. Several sacred ghats have been made for holy dip in river water. Bhimgoda barrage on the river Ganges at Haridwar diverts the waters of the Ganges to the Upper Ganges Canal, which irrigated the indo-gangetic plain of north India. Diversion of water of river Ganga through upper and lower Ganga canals leaves virtually very little water or no flow in the main river Ganga. The absence of adequate flow the unabated discharge of treated sewage, even with 100 percentage treatment, and BOD level of 30 mg/L, cannot bring the river water quality to bathing level in lean season flow. To achieve the goal of river water quality minimum flow is required to be maintained throughout the year to support the ecosystem in general and all forms of aquatic fauna in particular and ultimately maintain the wholesomeness of river Ganga.

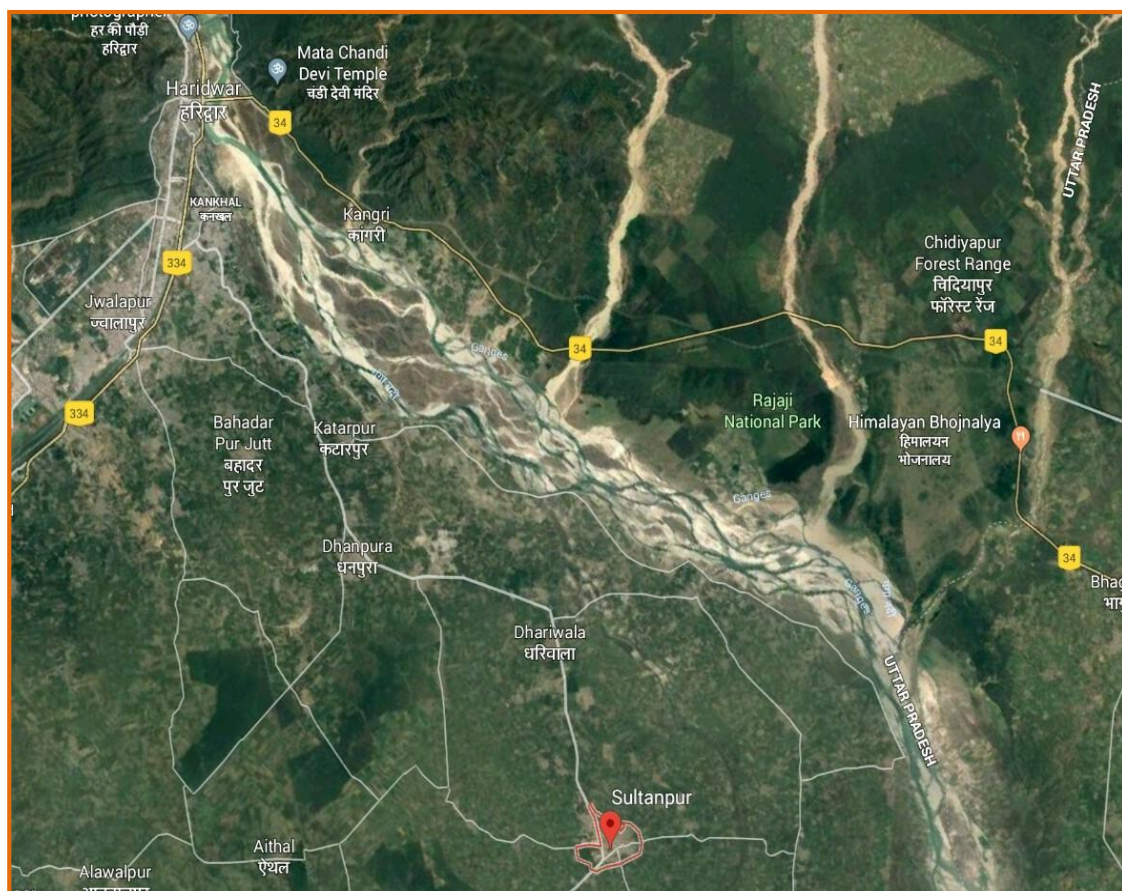
According to the census 2011, Haridwar has a population of 310562. Situated on the right bank of holy river Ganga and developed linearly along this river, the expansion of the city was restricted in west direction by the Rajaji National Park.

## **2. WATER QUALITY GOALS:**

Water is one of the most important components for survival of any kind of living organism. Accessibility and availability of fresh water is a major problem as 80% rivers are getting polluted. There are many rivers in India, but River Ganga is one of the holiest river. Due to its religious importance million of people in India take holy dips in river Ganga especially on some auspicious occasions because it is believed that a holy dip in the same purges away all the sins. Therefore, maintaining water quality of river Ganga is a matter of paramount importance at least for bathing purposes i.e. Class-“B”, throughout the State. Municipal drains are main cause of concern and as such industrial wastewater does not flow directly into river Ganga at Haridwar. 22 drains have been identified in order to check pollution level in river Ganga and diverted to STPs. Strengthening

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sewerage network and treatment capacity is being carried out under the Not to Scale



Namami Gange programme.

Google image of Hariwar city along with river Ganga. (Not to scale)

**A. Water quality characteristics of River Ganga at upstream of Hardiwar at Abindhughat, Dudhiyaban, Haridwar during the year 2018.**

Month	pH	BOD (mg/L)	COD (mg/L)	Total Coliform (MPN/100 ml)
Jan-18	7.92	<1	4	110
Feb-18	8.2	1	6	140
Mar-18	7.91	1	4	90
Apr-18	7.82	1	4	110
May-18	7.82	1	4	140
Jun-18	7.92	1	6	170
Jul-18	7.62	1	6	130
Aug-18	8.13	1	6	220
Sep-18	8.22	1	6	170
Oct-18	8.18	<1	6	140
Nov-18	8.41	<1	4	110

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Dec-18	8.20	<1	4	80
<b>Average (Range)</b>	<b>8.03 (7.62-8.41)</b>	<b>1.00 (&lt;1-1.2)</b>	<b>5.00 (4-6)</b>	<b>134 (80-120)</b>

**B. Water quality characteristics of River Ganga at downstream of Haridwar at Balakumari Mandir, Ajeetpur, during the year 2018.**

Month	pH	BOD (mg/L)	COD (mg/L)	Total Coliform (MPN/100 ml)
Jan-18	7.76	1	6	220
Feb-18	7.74	1	6	280
Mar-18	7.69	1.2	6	220
Apr-18	7.72	1	6	280
May-18	7.68	1.2	6	350
Jun-18	7.87	1	6	300
Jul-18	7.67	1	6	220
Aug-18	8.04	1.2	6	240
Sep-18	8.29	<1	4	280
Oct-18	8.21	1	4	240
Nov-18	7.8	1	6	220
Dec-18	8.1	1	6	280
<b>Average (Range)</b>	<b>7.88 (7.67-8.29)</b>	<b>1.05 (&lt;1-1.2)</b>	<b>5.67 (4-6)</b>	<b>260 (220-350)</b>

On the basis of BOD characteristics, significant improvement is observed in upstream as well as downstream of Haridwar. However, it is imperative to maintain the river Ganga for bathing purposes at all places.

**Basis of Proposed Action Plan for rejuvenation of river Ganga (Haridwar to Sultanpur):**

Municipal drains are major cause of concern at Haridwar. Tapping of drains and establishment of STPs have started with Ganga Action Plan. However, up-gradation and augmentation of sewerage network is being undertaken which would certainly improve water quality of river Ganga. Therefore, focus has been made on interception and diversion of drains leading to river Ganga at Haridwar and augmentation treatment capacity across the city.

**3. COMPONENTS OF ACTION PLAN:**

The proposed action plan for rejuvenation of river Ganga (between Haridwar to Sultanpur) consisting following components:

### **3.1 Source Control:**

Source control includes industrial pollution control and treatment and disposal of domestic sewage as detailed below:

#### **(a) Industrial Pollution control:**

Followings are action points for industrial pollution control

- i. Inventorisation of industries: Wastewater of industries located in Old Industrial Area may discharge into river Ganga through drains. Though industries have provided required treatment system, however, regular surveillance is essential. List of industries located in Old Industrial Area, Haridwar is enclosed at Annexure-1.;
- ii. Categories of industry and effluent quality;
- iii. Treatment of effluents, compliance with standards and mode of disposal of effluents; and
- iv. Regulatory regime including “Charter for Prevention and Control of Pollution on Pulp and Paper Industries- 2015”.
- v. Action plan for stringent discharge Norms for pulp & paper industries as water for dilution is not available in the river.

#### **(b) Channelization, treatment, utilization and disposal of treated domestic sewage**

- (i) 22- major drains are identified by Uttarakhand PeyJal Nigam, which were carrying wastewater to river Ganga along the Haridwar city.

<b>S.N.</b>	<b>Name of Drain</b>	<b>Discharge (MLD)</b>	<b>Status</b>
1	Loknath Nala	5.0169	Tapped
2	Saptasarovar Nala	0.688	Tapped
3	Bheemgoda Nala		Tapped
4	Karoli Nala	0.2118	Tapped
5	Railway Nala	0.124	Tapped
6	Karanwal Nala	0.347	Tapped
7	Kangra Mandir	0.3212	Tapped

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	Nala		
8	Nai Sota Nala	1.0839	Tapped
9	Nago ki Haweli Nala	0.05	Tapped
10	Kushaghat Nala	0.2121	Tapped
11	Laltarao Nala	1.2081	Tapped
12	Mayapur Nala		Tapped
13	PWD Nala & Tank No. 6 Nala	1.5092	Tapped
14	Devpura Nala	1.00	Tapped
15	Awasi Vikas Nala	3.1795	Tapped
16	Latowali Nala	0.40	Tapped
17	Jagjeetpur Nala	0.30	Tapped
18	Lal Mandir Nala	2.3313	Proposed to be tapped and diverted to Jagjeetpur STP by September, 2019
19	Matrisadan Nala	1.2002	
20	Kasai Nala	8.10	Proposed to be tapped and diverted to Sarai STP by February, 2019.
21	Ramrakkha Nala	0.70	
22	Pandeywala Nala	7.00	

- (ii) 68 MLD STP at Jagjeetpur, Haridwar is under construction under Namami Gange by replacing existing 18 MLD STP.
- (iii) 14 MLD STP at Sarai, Jwalapur is under consideration under Namami Ganga Programme by PeyJal Nigam.
- (iv) Presently 27 MLD; 18 MLD and 18 MLD capacities STP are operating with efficiently and meeting with discharge norms.
- (v) After completion of all under construction STPs, total sewage treatment capacity of Haridwar would be 127 MLD.
- (vi) Interception and diversion of drains to STP through diversion network is under construction.

Followings are action points for Channelization, treatment, utilization and disposal of treated domestic sewage

- i. Utilization of treated water from STP would be used in irrigation. 10 Km canal having carrying capacity of 90 MLD to irrigate 616 hectare land is under construction. It is expected to be completed by March, 2019.
- ii. Treatment and disposal of septage and controlling open defecation.

- iii. Control on water consumption through metering system on piped water supply & bore wells.

**(c) Solid Waste Management:**

- (i) 218.056 MTPD solid waste is generated from the city.
- (ii) Integrated solid waste disposal and treatment facility is operational at Sarai, Jwalapur.
- (iii) Cleaning of solid waste from drains is being carried out through wire mess. Municipal authority is responsible for cleaning of wire mess.

Followings are action points for Solid Waste Management:

- i. Collection, segregation, transportation, disposal and treatment of municipal solid wastes generated from town in accordance of provisions of the Solid Waste Management Rules, 2016.
- ii. MSW collection network should be extended to 40 wards and commercial places and public places including bathing ghats.
- iii. Efficient operation of MSW processing plant.
- iv. Restriction illegal disposal of solid waste along the river bank, drains and flood plain zones.
- v. Burning of solid waste should be strictly prohibited.
- vi. Strict vigilance on Bio-medical waste generators to restrict mixing of BMW with MSW.
- vii. Construction and demolition wastes should be disposed in designated areas and no case it should be disposed in to river beds or flood plain zone.

**3.2 River catchment/Basin management - Controlled ground water extraction and periodic quality assessment:**

- i. Periodic assessment of groundwater resources and regulation and regulation of ground water extraction by industries particularly in over exploited and critical zones/blocks.
- ii. Ground water re-charging/rain water harvesting.
- iii. Periodic ground water quality assessment and remedial actions in case of contaminated ground water tube wells/bore wells or hand pumps.
- iv. Assessment of the need for regulating use of ground water for Irrigation purposes.



**3.3 Flood Plain Zone.**

- i. Demarcation and Notification of flood plain zone.
- ii. Regulating activities in flood plain zone.
- iii. No disposal of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastes in Flood Plain Zone.
- iv. Greenery development - Plantation plan.

**3.4 Ecological/Environmental Flow (E-Flow)**

- i. Issues relating to E-Flow.
- ii. Irrigation practices.
- iii. To explore possibility to maintain minimum E-flow.

**4. RIVER GANGA (BETWEEN HARIDWAR TO SULTANPUR) REJUVENATION PLAN:**

Following are the action plan for rejuvenation of river Ganga (between Haridwar to Sultanpur) as detailed below:

**4.1 Industrial Pollution Control:**

Following are the action points for sector-wise pollution control: -

**(i) Pulp and Paper Industries:**

- (a) Pulp and Paper manufacturing units should not be permitted to dispose polluted or coloured effluents in any drains leading to river Ganga.
- (b) Agro-based pulping should be allowed only with Chemical Recovery Plant (CRP) with Zero Black Liquid Discharge in the catchment area of river Ganga or drains leading to Ganga river.
- (c) Pulp and paper units shall meet Charter criteria as prescribed by Central Pollution Control Board (CPCB) and Uttarakhand Environment Protection and Pollution Control Board (UEPPCB) all the time.
- (d) Proper records of Sludge used for boards making should be maintained. The concerned industry shall ensure that no over-flow from sludge drying bed occurs.
- (e) Pulp and paper industry should install Sewage Treatment Plant for their domestic sewage. Treated sewage should reuse in gardening/irrigation purpose.

**(ii) Specific Action Points:**

- (a) UEPPCB with the support of District Industry Centre (DIC) shall carryout inventory of industries within two months' time.
- (b) All the industries which are presently in operation without Consent under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 as the case may be should be directed by UEPPCB to obtain consent within three months and failing which action should be taken by UEPPCB for closure of all such industrial units.
- (c) All the hazardous waste generating industries or the industries covered under Schedule-I of the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016 as amended, should be directed to obtain authorization within a month from UEPPCB and failing which action should be taken by UEPPCB for closure of all such industrial units.
- (d) All the GPls category industries have provided OCEMS at the outlet of ETPs. Industries shall be directed to take measures to transfer real time data with auto validation facilities to the UEPPCB and CPCB with immediate effect.
- (e) No industry should operate or continue manufacturing process unless they possess valid permission for ground water extraction from Central Ground Water Authority (CGWA). All such industries shall obtain groundwater extraction permission from the Central Groundwater Board (CGWA) within three-month time period.
- (f) Small scale/tiny and service providing units located in urban or semi-urban limits like Dairies, Auto Service Stations etc., should not be allowed to dispose waste water effluents or sludges into drains, thereby ensuring not causing damages to drains or sewers. Such units should have minimum provision of Oil & Grease traps.
- (g) Drains carrying industrial wastewater shall be monitored regularly by the UEPPCB.
- (h) Burning of any kind of waste including industrial solid waste and agriculture residue should be completely prohibited.

**4.2 Treatment of Sewage:**

- (i) 68 MLD STP at Jagjeetpur, Haridwar is under construction under Namami Gange by replacing existing 18 MLD STP.
- (ii) 14 MLD STP at Sarai, Jwalapur is under consideration under Namami Ganga Programme by PeyJal Nigam.
- (iii) Presently 27 MLD; 18 MLD and 18 MLD capacities STP are operating with efficiently and meeting with discharge norms.
  - (a) After completion of all under construction STPs, total sewage treatment capacity of Haridwar would be 127 MLD.
  - (b) All municipal drains leading to river Ganga at Haridwar should be intercepted and sewage diverted to STPs for treatment.
  - (c) The design aspect of STP should include sewage utilization plan, instead of disposal into the drain/river. As directed by the Hon'ble NGT in Ganga matter (Segment 'A') at least 75% sewage should be utilized. For the remaining 25% to be discharged into river, strict standards of BOD and FC should be followed and complied.
  - (d) Hotels/Restaurants particularly located on road-side should not dispose untreated sewage and solid waste into nearby pubic drain or rivers, such establishments should be properly regulated and levied with fines as directed by Hon'ble NGT in Ganga matter in case of any violation.
  - (e) Drains carrying industrial wastewater shall not be diverted to STPs.
  - (f) Septage management protocol shall be strictly followed.

#### **4.3 Solid Waste Treatment and Disposal:**

- (a) Door to Door collection of solid waste shall be carried out and only segregated waste shall be accepted.
- (b) Biodegradable wastes shall be used for composting while recyclable waste shall be sent to registered recyclers.
- (c) Efficient operation of MSW processing and treatment plant shall be ensured.
- (d) No case Construction and Demolition waste shall be disposed in river bed or flood plain zone. Nagar Nigam Kashipur shall identify the site for such wastes.

#### **4.4 Ground Water Quality:**

- (a) So far contamination of groundwater is not reported in the area, however groundwater quality monitoring shall be carried out at least twice in the year (winter: December-January and summer: May-June) at three locations to ascertain level of pollutants in groundwater.

- (b) CGWA should identify over exploited and critical blocks in the area with respect to the ground water extraction and industries be directed to comply with CGWA conditions.
- (c) UEPPCB should be vigilant and conduct surprise inspection of the industry to rule out any forceful injection of industrial effluents into groundwater resources or disposal of effluent in rain water recharge pits.
- (d) No industrial unit should be establishment or allowed to continue its operation unless they obtain permission from CGWA for ground water extraction within three month.
- (e) Rain water harvesting of industrial, commercial and other institutions may be insisted upon by CGWA and groundwater recharging with only clean water be encouraged by CGWA.

#### **4.5 Flood Plain Zone (FPZ):**

The Uttarakhand Irrigation Department shall identity/demarcates Flood Plain Zone and regulate the activities. Such regulations would also cover:

- (a) Plantation in Flood Plain Zone (FPZ) – By State Forest Department.
- (b) Checking encroachments – By District/Local Administration.
- (c) Prohibition of disposal of municipal and bio-medical waste particularly in drains – By Local administration.
- (d) State Government may notify Flood Plain Zones.

#### **4.6 Environmental Flow (E-Flow):**

- (a) River Ganga carrying very less flow as most of the water is diverted from Bhimgoda barrage to Upper and Lower Ganga Canals. Therefore, maintaining wholesomeness of river Ganga, it is important to flow sufficient water to support ecosystem.
- (b) Forestry intervention would support water retention and flow of river.
- (c) Fresh water flowing through escape channels/small barrages should be checked. Good quality of water should not be used for dilution of pollution unless; required degree of treatment is achieved for municipal sewage and industrial effluents.
- (d) To conserve water and good irrigation practices to be adopted by the farmers for which mass awareness programmes through media be provided in vernacular

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languages to the farmers by the Uttarakhand State Irrigation and Agriculture Departments.

**4.7 Monitoring of Action Plan:**

The proposed Action Plan will be monitored by the River Rejuvenation Committee (RRC) constituted by Government of Uttarakhand vide Office order dated 05.12.2018, under the overall supervision and co-ordination of Principal Secretary, Environment, Govt. of Uttarakhand.

**5 ACTION PLAN:**

**Short Term and Long Term Action and the Identified Authorities for initiating actions and the time limits for ensuring compliance:**

<b>S.N.</b>	<b>Action plan for rejuvenation of river Ganga (Between Haridwar to Sultanpur)</b>	<b>Organisation/ Agency Responsible for Execution of the Action Plan</b>	<b>Time Target</b>
<b>1.</b>	<b>Industrial Pollution Control</b>		
	a) Action plans suggested under section - of the draft Action Plan.	UEPPCB	Within Three months.
	b) Inventorisation of the industries in the catchment area of River Ganga (Between Haridwar to Sultanpur) covering assessment on aspects relating to Status of Consents under Water & Air Acts and Authorisation, Effluent Generation, ETP capacities and final mode of effluent discharges.	DIC, Haridwar & UEPPCB	Within two months.
	c) Actions against the Identified industries in operation without Consents under Water & Air Acts/Authorisation under the H	UEPPCB	Within three months.

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	& OW (M & TM) Rules, 2016 as amended.		
	d) Action against the industries not installed ETPs or ETPs exist but not operating or ETP outlet or treated effluent is not complying with effluent discharge norms.	UEPPCB	Within three months.
	e) Action against the GPIs which have not provided continuous real-time effluent quality data to UEPPCB and CPCB.	UEPPCB	Within a month.
	f) Routine /surprise inspection GPIs and Red category of industries for ensuring compliance of effluent discharge standards as prescribed under E(P) Rules, 1986, as amended.	Special Environmental Surveillance Task Force / UEPPCB	Regularly.
	g) Small scale/tiny and service providing units located in urban or semi-urban limits like Dairies, Auto Service Stations etc., have minimum provision of Oil & Grease traps.	UEPPCB	Within three months.
	h) Monitoring of drains carrying industrial wastewater.	UEPPCB	Within a month.
	i) Prohibition of Burning of any kind of waste including agro-residue.	Nagar Nigam, Haridwar / District Administration	Within a month.
<b>2.</b>	<b>Sewage Treatment &amp; Disposal Plan</b>		
	a) Estimation of total sewage generation, existing treatment facilities, quantum of disposal of sewage presently through	Jal Nigam / Nagar Nigam, Haridwar	Within two months.

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<b>S.N.</b>	<b>Action plan for rejuvenation of river Ganga (Between Haridwar to Sultanpur)</b>	<b>Organisation/ Agency Responsible for Execution of the Action Plan</b>	<b>Time Target</b>
	drains and the gaps in sewage treatment capacity.		
	b) To undertake measurement of flow of all the drains presently contributing pollution load in River Ganga (Between Haridwar to Sultanpur) and formulate Detailed Project Report (DPR) for each drain and submit DPR to RRC. Plan for utilization of treated water (at least 75%) should be a part of DPR. Proposal should include installation of OCEMS & PTZ camera at STP Outlet.	Jal Nigam / Nagar Nigam, Kashipur	Within two months.
	c) Channelization including diversion of sewage generated from household / township / villages to sewer lines and interception of all drains (excluding drains carrying industrial wastewater) for ensuring proper treatment through upcoming STPs.	Jal Nigam / Nagar Nigam, Haridwar	Within six months after commissioning of STPs.
	d) Ensuring dairy / automobile service stations and Hotels/ Restaurants should be connected with sewer line / should have their own treatment system and levy of fine in case of violation.	UEPPCB / Nagar Nigam, Haridwar.	Within three months.
	e) Monitoring of STP outlet effluent quality w.r.t. STPs effluent discharge norms prescribed under E(P) Rules, 1986 as amended.	UEPPCB.	After commissioning of STP.

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<b>4.</b>	<b>Solid Waste Treatment and Disposal</b>		
	a) Ensure efficient operation of MSW processing and treatment plant. No case collected solid waste shall be disposed illegally into river bed /flood plain zone.	Nagar Nigam, Kashipur.	Within a months.
	b) Door to door collection of solid waste shall be encouraged.	Nagar Nigam, Haridwar.	Within a month.
	c) Composting will be made out of bio-degradable waste and recyclable waste shall be disposed thorough registered recyclers.	Nagar Nigam, Haridwar.	Within two months.
	d) Construction and demolition waste shall be disposed in designated area/place only. Designated place shall be earmarked by the Local authority.	Nagar Nigam, Kashipur.	Within a month.
<b>5.</b>	<b>Ground Water Quality</b>		
	a) Groundwater quality monitoring at three locations during summer (May-June) and winter (December-January).	UEPPCB	Within a month.
	b) Identification of over exploited and critical area w.r.t. groundwater extraction.	CGWA	Within six months.
	c) To conduct periodic surprise inspection of industries to rule out any forceful injection of industrial wastewater in to groundwater or disposal of wastewater through rainwater recharging pit.	UEPPCB / CGWA	Within two months.



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S.N.	Action plan for rejuvenation of river Ganga (Between Haridwar to Sultanpur)	Organisation/ Agency Responsible for Execution of the Action Plan	Time Target
	d) All the industry should be directed to obtain necessary permission for groundwater extraction from CGWA.	UEPPCB /CGWA	Within three months.
	e) Ensure rainwater harvesting by industries, commercial complexes / institutions and groundwater recharging with clean water.	CGWA	Within six months.
<b>6.</b>	<b>Flood Plain Zone (FPZ)</b>		
	a) Demarcation of flood plain zone and notification of Flood Plain Zone	Uttarakhand Irrigation Department.	Within six months.
	b) Plantation in Flood Plain Zone	Uttarakhand Forest Department	Within six months.
	c) Checking encroachment in the FPZ of River Ganga (Between Haridwar to Sultanpur).	District Administration, US Nagar / Nagar Nigam, Haridwar	Within three months.
	d) Prohibition of disposal of municipal plastic waste and biomedical wastes particularly in drains and FPZ.	Local Administration / Nagar Nigam, Haridwar	Within a month.
<b>7.</b>	<b>Environmental Flow (E-Flow) and Irrigation Practices</b>		
	a) Measurements of River Ganga (Between Haridwar to Sultanpur) flow of at upstream of Haridwar and downstream of Haridwar and maintain record.	Uttarakhand Irrigation Department.	Regularly
	b) To conserve water and good irrigation practices to be adopted by the farmers by organising mass awareness programmes through media in	Uttarakhand Irrigation Department / Department of Agriculture.	Regularly.

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<b>S.N.</b>	<b>Action plan for rejuvenation of river Ganga (Between Haridwar to Sultanpur)</b>	<b>Organisation/ Agency Responsible for Execution of the Action Plan</b>	<b>Time Target</b>
	vernacular language.		

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**Annexure-1**

**A. List of industries located in the Old industrial area, Haridwar**

<b>S. N</b>	<b>ID</b>	<b>Industry Name</b>	<b>Address</b>	<b>CCA Validity</b>	<b>Waste Water Discharge (KLD)</b>
1	13184	Alkraft Engineering	F-12-HARIDWAR INDUSTRIAL AREA,HRD-HARIDWAR	31-03-2015	0.8
2	19554	Anju Automobile Pvt Ltd	Plot No 9C-Industrial Park,HRD-SALEMPUR MOOMDPUR	31-03-2020	2
3	10129	Apple Industry	E-5,KHASARA NO.2-INDUSTRIAL AREA,HRD-HARIDWAR	31-03-2023	2.2
4	22791	Bharat Adhesive Industries	F-34, old ind Area-Old industrial Area, Haridwar,HRD-Haridwar	31-03-2019	0.4
5	16667	Bpm Plast Tech	D-33, Industrial Area,Haridwar-Industrial Area,Haridwar,HRD-Haridwar	31-03-2019	0.8
6	13689	Brs Electronics	F - 57-Old Industrial Area Haridwar,HRD-Haridwar	31-03-2011	1.5
7	17307	Cona Industries	E-57,U.P.S.I.D.C LTD,INDURTRIAL AREA,HARIDWAR.UTTARAK HAND-E-57,U.P.S.I.D.C LTD,INDURTRIAL AREA,HARIDWAR.UTTARAK HAND,HRD-HARIDWAR	31-03-2022	7.1
8	17143	Cona Industries Unit Iii	E-65/A INDUSTRIAL AREA,HARIDWAR-E-65/A INDUSTRIAL AREA,HARIDWAR,HRD-HARIDWAR	31-03-2022	0.5
9	11013	Contemporary Targett Pvt.Ltd.	F-75,INDUSTRIAL AREA,SITE-II-HARIDWAR, UTTARAKHAND.,HRD-HARIDWAR	31-03-2019	0.3
10	12594	Cosmeden Personal Care	F-74-Industrial Area ,HRD-Haridwar	31-03-2020	2.3
11	15335	Delta Pharma (Formerly Padmavati Pharmaceuticals)	F-52-Industrial Area,HRD-Hardwar	31-03-2018	3
12	14759	Divya Pharmacy	A1-Old Industrial Area,HRD-Haridwar	31-03-2020	21
13	12344	Emkay Automobile Industries Ltd.	PLOT NO- F-35, -INDUSTRIAL AREA HARIDWAR.,HRD-HARIDWAR	31-03-2023	1
14	12054	FCC Clutch India Pvt Ltd	F-2, F-3-INDUSTRIAL AREA HARIDWAR,HRD-HARIDWAR	31-03-2019	2

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15	14914	Ganges Herbal Cosmetics	F-19-INDUSTREIAL AREA ,HRD-HARIDWAR	31-03-2021	1
16	15880	Go Goal Hydro Pvt.Ltd	E- 60-Industrial Area Haridwar,HRD-Jwalapur	31-03-2023	3
17	19193	Gopal Enterprises	F-80-Old Industrial Area,HRD-haridwar		0.5
18	19812	Hotel Vinayak	C-20-Ranipur Mode, Haridwar,HRD-Haridwar	31-03-2017	6
19	15269	i Sat Network Engineers Private Limited.	D-24 & 25, UPSIDC Industrial Area - II, Hardwar (U. Khand) - D-24 & 25, UPSIDC Industrial Area - II, Hardwar (U. Khand) ,HRD-UPSIDC Ind Area	31-03-2020	0.5
20	22224	India Heart Industries	Plot No. F-1 Old industrial area, Haridwar-Plot No. F-1 Old industrial area, Haridwar,HRD-haridwar		0.5
21	19099	Indian Rubber Products	E-67-69, 74-76-Industrial Area,HRD-INDSTRIL AREA	31-03-2020	2
22	10833	Jankalyan Ayurvedic Pharmacy	-E-7--INDUSTRIAL AREA ,HRD--HARIDWAR	31-03-2021	0.9
23	16526	Jvd Transformers	F-4-INDUSTRIAL AREA, HARIDWAR,HRD-HARIDWAR		0.3
24	20403	L.N. Polymes	F-28-Industrial Area,HRD-Haridwar		0.5
25	12159	Luxmi Electronics	F-32,-INDUSTRIAL AREA HARIDWAR.,HRD-HARIDWAR		1
26	17639	M/s B.C.Hasaram & Sons Ayurvedic Pharmacy	plot no f-64 -65-OLD INDUSTRIAL AREA,HRD-HARIDWAR	31-03-2019	0.5
27	17145	M/s Cona Industries Unit-ii	D-32,INDUSTRIES AREA , HARIDWAR-D-32,INDUSTRIES AREA , HARIDWAR,HRD-HARIDWAR	31-03-2022	0.5
28	17146	M/s Cona Industries Unit-iv	G-I INDUSTRIAL AREA , HARIDWAR-G-I INDUSTRIAL AREA , HARIDWAR,HRD-HARIDWAR	31-03-2022	0.5
29	16612	M/s Gayatri Herbals	F-43-Industrial Area,HRD-Haridwar	31-03-2016	0.7
30	13448	M/s Manchanda Herbal P0roducts	E-64-INDUSTRIAL AREA, HARIDWAR,HRD-HARIDWAR	31-03-2019	0.6
31	21417	M/s Mica Glass Industries	D- 34/35 , Industrial area -D-34/35 , Industrial area ,HRD-HARIDWAR		0.1
32	13805	M/s Prabhat Herbals Private Limited Unit 2	PLOT NO. -19-HARIDWAR INDUSTRIAL AREA, HARIDWAR,HRD-HARIDWAR	31-03-2019	0.6

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33	21319	M/s Shakumbari Automobiles ( P) Ltd .Haridwar	E - 5-1, E - 6 , Industrial area . Haridar-E - 5-1, E - 6 , Industrial area . Haridar,HRD-Industrial Area		7
34	10674	Manchanda Herbals Product Pvt Ltd	E-64-INDUSTRIAL AREA HARIDAR,HRD-Haridwar	31-03-2014	0.2
35	20983	Meet Packaging Products	E-53-Industrial Area,HRD-Haridwar	31-03-2019	1
36	12139	Ms Amar Engineers	F-67-Industrial Area haridwar,HRD-Haridwar	31-03-2012	1.6
37	21748	Ms I.S.M Automobiles Pvt Ltd	E - 17 , Old Industrial Area - Jwalapur . Haridwar,HRD-Industrial Area	31-03-2019	4
38	12035	Ms Jumbo Electric Co	F-8,9-INDUSTRIAL AREA,HRD-BHADRABAD		1
39	21711	Ms Maxima Herbal Care Pvt Ltd	F-32 , old industrial area-Haridwar,HRD-HARIDWAR	31-03-2018	1
40	21994	Ms Shivalik Pavers	plot no - 61 ,62-sector -7 .,HRD-Haridwar		
41	11745	Ms V.K.Hydro Pneuma System.	E-43, INDUSTRIAL AREA HARIDWAR-E-43, INDUSTRIAL AREA HARIDWAR,HRD-HARIDWAR		0.5
42	20996	Oberai Industries	E-53-Industrial Area,HRD-HARIDWAR		0.25
43	19947	Parth Industires	F-59- Old, Industrial AreaHaridwar,HRD-Haridwar		1
44	16277	Patanjali Ayurved Pvt. Ltd.	D-38, -Industrial Area,,HRD-Hardwar	31-03-2023	19
45	20700	Pen Raj Industries C/o Shanwaj Khan	Plot No. E-59-Haridwar Industrial Area,HRD-BAHADRABAD HARIDWAR		0.5
46	11197	Pioneer Pet Industries	E-66-E-66 , industrial area, Haridwar,HRD-Haridwar	31-03-2010	0.02
47	14426	Poddar Pharmaceuticals Pvt.Ltd	E-35-Industrial Area ,ROK-Haridwaar	31-03-2017	1.2
48	14672	Prabhat Herbals Private Limited	D - 20, Industrial Area, Hardwar (Uttarakhand)-D - 20, Industrial Area, Hardwar (Uttarakhand),HRD-Hardwar	31-03-2018	1.2
49	15018	S&S Print-O-Pack	E1-E2, INDUSTRIAL AREA, HARIDWAR-E1-E2, INDUSTRIAL AREA, HARIDWAR,HRD-HARIDWAR	31-03-2021	1.2
50	22633	Satya Waste Management Industries	khasra no.11-Bahadarpur Saini Post- Daulatpur,Roorkee,HRD-BAHADARPUR	31-03-2019	2

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51	22225	Shiv Sai Shakti Techno Packaging	E-54, Bahadarabad industrial Area-E-54, Bahadarabad industrial Area, Haridwar,HRD-HARIDWAR		0
52	16305	Shree Balaji Industries	F-61-62-INDUSTRIAL AREA,HRD-HARIDWAR	31-03-2017	0.5
53	17039	Shree Jagdamba Ayurvedic Pharmacy	Plot No- E-65,66-Industrial Area,HRD-Haridwar		0.2
54	22122	Shri Guru Kripa Industries	F-38, Old Industrial Area, Haridwar-Haridwar,HRD-HARIDWAR	31-03-2019	0.3
55	12611	siddhi Plast India	E-46-HARIDWAR INDUSTRIAL AREA,HRD-HARIDWAR	31-03-2019	1
56	22379	Sra Associates	PLOT NO E-36-INDUSTRIAL AREA ,HRD-HARIDWAR		3
57	17246	Surbhi Enterprises	F-80 Industrial area Haridwar.- F-80 Industrial area Haridwar.,HRD-Haridwar	31-03-2014	0.8
58	14913	Touch Inc	F-19-INDUSTREIAL AREA ,HRD-HARIDWAR	31-03-2020	0.5
59	18226	Triumph Overseas	E-10, Industrial Area, Haridwar-Industrial Area Haridwar,HRD-Haridwar	31-03-2020	0.3
60	22743	United Bioceuticals Private Limited	33 C -IP-IV,BEGUMPUR,HARIDWAR,HRD-BEGUMPUR,HARIDWAR		2
61	10834	VAGBHATT PHARMACEUTICALS	-E-7A Industrial Area HARIDWAR -249 401--,HRD--HARIDWAR	31-03-2021	0.2
62	13804	Verizon Energy Systems	F-58-INDUSTRIAL AREA,HRD-HARIDWAR	31-03-2023	3
63	17353	Vivimed Labs Limited.	D-9 OLD INDUSTRIAL AREA, HARIDWAR, UTTARAKHAND.-D-9 OLD INDUSTRIAL AREA, HARIDWAR, UTTARAKHAND.,HRD-HARIDWAR	31-03-2017	3
64	12797	Yograj Metal Industries	F-1-INDUSTRIAL AREA, HARIDWAR,HRD-HARIDWAR	31-03-2010	1.6

**B. List of industries located in the Herbal & Food Park, Padartha, Haridwar.**

S. N	ID	Industry Name	Address	CCA Validity	Waste Water Discharge (KLD)
1	11718	Anchor Health & Beauty Care Pvt. Ltd. - Unit 2	Khasra no 58,59,60,62,63,64,65-Khasra no 58,59,60,62,63,64,65,HRD-Padhartha va Dhanpura	31-03-2018	178.6

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2	13334	Divya Packmaf	218/1-Patanjali Food Park,HRD-Padartha	02-08-2021	3.5
3	18008	Divya Pharmacy Unit- li	Khasara No. 210,211-Patanjali Food & Herbal Park, Padartha,HRD-Padartha	31-03-2023	65
4	13631	Empire Electricals Pvt. Ltd.	63,64-Village Padartha va Dhanpura,HRD-Haridwar	31-03-2018	3
5	22893	Ganpati Stone Crusher	Khasra No. 475Kha, 478, 470, 474, 476-Jawaharkhan urf Jhivarihedi, Tehsil Lakshar, Pargana Jwalapur,LKR-Jawaharkhan		0.8
6	13803	Ms Atri Papers Pvt Ltd ( Formerly Patanjali Flexipak Private Limited)	HARIDWAR - LAKSAR ROAD -PATANJALI FOOD & HERBAL PARK,HRD-HARIDWAR	31-03-2019	0.8
7	21553	Ms Mohan Fabtech Pvt Ltd	Patanjali Food and Herbal pak-PADARTHA,HRD-Padartha	31-03-2023	1
8	18248	Pantanjali Bio Research Institute	-Patanjali Food nad Herbal Park, Padartha, ,LKR-Padartha	31-03-2021	600.5
9	19563	Patanjali Gramodhyog (Nyas)	Patanjali Food and Herbal pak-Padartha,HRD-Padartha	31-03-2020	5
10	13808	Patanjali Natural Coloroma Pvt Ltd	PATANJALI FOOD & HERBAL PARK PVT LTD-HARIDWAR-LAKSAR ROAD,HRD-HARIDWAR	31-03-2022	3
11	20929	Vita Sana Foods Pvt Ltd	Patanjali Food and Herbal Park-Haridwar-Laksar Road,HRD-Vill Padartha	31-03-2017	0.5

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