

National Mission for Clean Ganga

Format for Submission of Monthly Progress Report by State of HP for the month of July-2020 (Hon'ble NGT in the matter of OA. No. 673/2018 dated 06.12.2019)

Sr. No.	Activity to be monitored	Timeline	Submission of Progress by State/ UT- Compliance Status																
1.	Ensure 100 % treatment of sewage at least in-situ remediation	31.12.2020	The site is identified for carrying out Phyto-remediation work for treatment of sewage at Samtel Nallah at Priority –I at Parwanoo along the catchment of Sukhna Nallah and Priority –II, Jatta Wala Nallah at Kala Amb on the Catchment of River Markanda. The work for Priority-I started.																
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.12.2020 (Priority-I & II) 31.03.2021 (Priority-III)	<p>The Progress report for setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs for all Priority Stretches is as under:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">S.No.</th> <th style="text-align: center;">Area & Priority</th> <th style="text-align: center;">Proposal</th> <th style="text-align: center;">Incremental Progress</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>SUKHNA Nallah Stretch (Priority - I):- Parwanoo Town</td> <td>Sewage Treatment Plant Proposal (2 No of 1 MLD capacity each including laying of sewerage lines in Zone-I and Zone-II in Parwanoo Town. The proposal of 49.82 Crore prepared by IPH Department.</td> <td> <ul style="list-style-type: none"> • The order for sewer pipes have been placed. </td> </tr> <tr> <td style="text-align: center;">2.</td> <td>River MARKANDA Stretch (Priority II):</td> <td>Kala Amb and Moginand Area: Laying of Sewerage Network and Pre-treatment of Sewage. The proposal is of Rs. 30.40 crore.</td> <td> <ul style="list-style-type: none"> • The pipe line for sewer lines purchased. • Work of Laying of network is in progress. • 500m sewer line laid till date. </td> </tr> <tr> <td></td> <td></td> <td>Trilokpur Area: Laying of Sewerage</td> <td> <ul style="list-style-type: none"> • Sewer pipes procured for sewer line. </td> </tr> </tbody> </table>	S.No.	Area & Priority	Proposal	Incremental Progress	1.	SUKHNA Nallah Stretch (Priority - I):- Parwanoo Town	Sewage Treatment Plant Proposal (2 No of 1 MLD capacity each including laying of sewerage lines in Zone-I and Zone-II in Parwanoo Town. The proposal of 49.82 Crore prepared by IPH Department.	<ul style="list-style-type: none"> • The order for sewer pipes have been placed. 	2.	River MARKANDA Stretch (Priority II):	Kala Amb and Moginand Area: Laying of Sewerage Network and Pre-treatment of Sewage. The proposal is of Rs. 30.40 crore.	<ul style="list-style-type: none"> • The pipe line for sewer lines purchased. • Work of Laying of network is in progress. • 500m sewer line laid till date. 			Trilokpur Area: Laying of Sewerage	<ul style="list-style-type: none"> • Sewer pipes procured for sewer line.
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2.	River MARKANDA Stretch (Priority II):	Kala Amb and Moginand Area: Laying of Sewerage Network and Pre-treatment of Sewage. The proposal is of Rs. 30.40 crore.	<ul style="list-style-type: none"> • The pipe line for sewer lines purchased. • Work of Laying of network is in progress. • 500m sewer line laid till date. 																
		Trilokpur Area: Laying of Sewerage	<ul style="list-style-type: none"> • Sewer pipes procured for sewer line. 																

				Network & Setting up of Sewage Treatment Plant of 1 MLD capacity. The proposal is of Rs. 26.00 crores.	<ul style="list-style-type: none"> The land handed over to contractor. The hydraulic design has been approved by the competent authority. 2.5 km sewer line has been laid.
		3.	River Sirsa Stretch (Priority III)	<p>Execution of project proposal for sewage management by laying of pipelines and installation and commissioning of STP at Nalagarh of capacity 3.62 MLD. The cost is Rs. 16.36 crores.</p> <p>Proper design, execution of Sewerage lines and Pretreatment of Sewage to be incorporated in CETP, Baddi. The capacity is 5.5 MLD. The cost is Rs. 33.34 crore.</p>	<ul style="list-style-type: none"> STP has been completed and commissioned. The Sewerage connections are being released. Laying of sewerage network and testing is completed. The Sewerage connections are being released and sewage is also received CETP, Baddi.
		4.	Ashwani Khad (Priority V)	<p>The up-gradation of existing 3 STPs by providing Sequencing Batch Reactor (SBR) technology. The proposal is of Rs. 45.76 crores.</p> <p>Installation of a new STP of 2 MLD capacity for Panthagati area. The proposal is of Rs. 22 crore.</p>	<ul style="list-style-type: none"> The work for upgradation of STP has been awarded. The work of up-gradation of STP Malyana regarding installation of centrifuge and online monitoring system has been started. Tender has been awarded for the proposed work.
		5.	River Beas (Priority V)	<p>Proposal for Sewerage Scheme in Rangri, Manali, District- Kullu.</p> <p>Proposal for Sewerage Scheme in Marhi, District- Kullu.</p> <p>Proposal for the expansion of existing STP in Manali.</p> <p>Proposal for Sewerage Scheme in Kullu Town, District- Kullu (Zone-I).</p> <p>Proposal for Sewerage Scheme in Kullu Town, District- Kullu (Zone-II).</p> <p>Proposal for Sewerage Scheme in</p>	<ul style="list-style-type: none"> Technical Sanction accorded and Draft Notice Inviting Tender under preparation. Work of laying network is completed and work for setting up of STP is awarded and work is in progress. Funds have been received. Hydraulic Design submitted for approval. The work for up-gradation of STP (Zone-I & Zone-II), Kullu has been awarded under AMRUT. The design and drawing stand approved. The work is in progress. The work of STPs (Kullu Zone -III

					<p>Kullu Town, District- Kullu (Zone-III)</p> <p>Proposal for Sewerage Scheme in Bhunter Town, District- Kullu (Zone-III).</p> <p>Proposal for the expansion of existing STPs and installation of New STPs (District- Mandi).</p> <p>Proposal for sewer connection and sewer line up-gradation at Nadaun (District- Hamirpur).</p> <p>Proposal for installation of STP (1.38 MLD) at Dehra, District- Kangra.</p> <p>Proposal for installation of STP (60 KLD) at Industrial area, Kullu.</p>	<p>and Bhunter Zone-III) completed and are functioning as prescribed norms of CPCB.</p> <ul style="list-style-type: none"> • Tendering for STP and part of sewerage network in progress. • STP commissioned, estimate for additional pipe network approved • STP has been commissioned. • Connections being released. • Tender was called again and opened on 21.07.2020 and again 1 bid was received. • Tender has been called for 3rd time 6.08.2020 with some relaxation in terms & conditions and will be opened on 21.08.2020.
			6.	Giri (Priority V)	Installation of three STPs in these areas i.e. one at Theog (1.15 MLD) and two at Kotkhai (0.305 MLD & 0.16).	<ul style="list-style-type: none"> • The work for STP at Theog, and 02 STPs Kotkhai stand completed and commissioned and trial run is in progress.
2.	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	The Time line for completion of all sewage proposals, pertaining to Priority –I (Sukhna Nallah at Parwanoo) and Priority-II (River Markanda at Kala Amb) the timeline is 31.12.2020 and for Priority – V (Ashwani Kaha, River Beas, River Giri and River Pabbar) the timeline is 31.3.2021 .			
3.	Chief Secretaries may set up appropriate monitoring mechanism at State level					
	<ul style="list-style-type: none"> • Specifying accountability of nodal authorities not 		The Administrative Secretaries of Industries Deptt., Urban Dev. Deptt., Rural Dev. Deptt., Irrigation & Public Health Deptt. have been made accountable at State level.			

	below the Secretary level.		
	<ul style="list-style-type: none"> Chief Secretaries may have an accountable person attached in their office for this purpose. 		The Environment Cell has been notified vide notification No. STE-E (3)-16/2019 dated 19 th February 2020 comprising of MS, PCB, Director, UD, Director, Environment and Joint Secy, (Env.). (copy of notification enclosed)
	<ul style="list-style-type: none"> Monitoring at State level must take place 	Fortnightly Commencing 21.12.2019	Regular monitoring of the progress on implementation of Action Plans is being undertaken at Chief Secretary level. Last meeting was held on 17.06.2020 w.r.t. reviewing the status.

4.	Progress report may be furnished by the States/ UTs to <ul style="list-style-type: none"> Secretary, Ministry of Jal Shakti Member Secretary, CPCB 	Monthly (preferably before 20 th of every month)	<p>The incremental progress report is enclosed as below:-</p> <p style="text-align: center;">1. SUKHNA Nallah Stretch (Priority - I):- Parwanoo Town</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f4b084;"> <th data-bbox="600 380 665 537">Sr. No.</th> <th data-bbox="665 380 852 537">Organization Responsible</th> <th data-bbox="852 380 1213 537">Work proposed for Execution along with cost and final Timeline.</th> <th data-bbox="1213 380 1982 537">Incremental Progress</th> </tr> </thead> <tbody> <tr> <td data-bbox="600 537 665 1198" rowspan="3">1.</td> <td data-bbox="665 537 852 1198" rowspan="3"> Irrigation and Public Health Department </td> <td data-bbox="852 537 1213 995"> <u>Sewage Treatment Plant Proposal</u> (2 No of 1 MLD capacity each including laying of sewerage lines in Zone-I and Zone-II in Parwanoo Town. The proposal of 49.82 Crore prepared by IPH Department. </td> <td data-bbox="1213 537 1982 995"> <ul style="list-style-type: none"> The order for sewer pipes have been placed. </td> </tr> <tr> <td data-bbox="852 995 1213 1198"> Installation of Continuous Water Quality Monitoring Station. The proposal of 0.3 crore. </td> <td data-bbox="1213 995 1982 1198"> The Online Continuous Water Quality Monitoring Station (OCWQMS) has been installed and online data has been connected to HPSPCB server. </td> </tr> <tr> <td data-bbox="852 1198 1213 1304"> Radar system for depth and flow measurement. </td> <td data-bbox="1213 1198 1982 1304"> The system has been provided by IPH and it is installed at River Kaushalya and is functioning properly. </td> </tr> <tr> <td data-bbox="600 1304 665 1416">2.</td> <td data-bbox="665 1304 852 1416"> HIMUDA, Municipal </td> <td data-bbox="852 1304 1213 1416"> Sewage Treatment Plant (1 No. of 70 KLD capacity in </td> <td data-bbox="1213 1304 1982 1416"> <ul style="list-style-type: none"> The Sewage Treatment Plant of 70 KLD capacity installed at Sector -5, Parwanoo and also commissioned and is working </td> </tr> </tbody> </table>	Sr. No.	Organization Responsible	Work proposed for Execution along with cost and final Timeline.	Incremental Progress	1.	Irrigation and Public Health Department	<u>Sewage Treatment Plant Proposal</u> (2 No of 1 MLD capacity each including laying of sewerage lines in Zone-I and Zone-II in Parwanoo Town. The proposal of 49.82 Crore prepared by IPH Department.	<ul style="list-style-type: none"> The order for sewer pipes have been placed. 	Installation of Continuous Water Quality Monitoring Station. The proposal of 0.3 crore.	The Online Continuous Water Quality Monitoring Station (OCWQMS) has been installed and online data has been connected to HPSPCB server.	Radar system for depth and flow measurement.	The system has been provided by IPH and it is installed at River Kaushalya and is functioning properly.	2.	HIMUDA, Municipal	Sewage Treatment Plant (1 No. of 70 KLD capacity in	<ul style="list-style-type: none"> The Sewage Treatment Plant of 70 KLD capacity installed at Sector -5, Parwanoo and also commissioned and is working
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				<p>Council, Parwanoo</p> <p>Sector - 5 Parwanoo) to cater to the additional load of Septic Tanks catering to the residential area.</p> <p>Cleaning and Overhauling of Septic Tanks.</p>	<p>properly.</p> <ul style="list-style-type: none"> • Latest report of Cleaning and Overhauling of septic tanks not received from MC Parwanoo.
			3.	<p>Department of Urban Development</p> <p>Waste Recovery and Reprocessing of Existing Dumped Waste at Dumping site Sector 5, Parwanoo.</p> <p>Installation of Kiosk for Domestic Hazardous Waste Management.</p>	<ul style="list-style-type: none"> • The legacy waste has been recovered, and dumping site has been cleared. • Domestic Hazardous waste Kiosk has been installed at Parwanoo.
			4	<p>BBNDA, MC Parwanoo & HPSPCB</p> <p>For collection, Transportation, Processing and disposal of fresh waste at Baddi Cluster.</p>	<ul style="list-style-type: none"> • The work of Production Shed, Weighbridge, Boundary Wall, CCTV Cameras, ETP for Leachate treatment, Stand Completed. • Plant and Machinery of RDF Section is installed. • Other miscellaneous work electrification is also completed. • The Work of Dryer Installation is in progress.
			5.	<p>Forest Department</p> <p>Plantation Proposal</p>	<ul style="list-style-type: none"> • 2200 plants have been planted so far in 2 hectare area. • Bush Cutting, Fencing have been done.
			6.	<p>MC Parwanoo</p> <p>Phyto-remediation Proposal on Samtel Nallah</p>	<ul style="list-style-type: none"> • Civil work completed.

			7.	HPSPCB	Inventorization of Wastewater generating Industries and Legal Action against Non-complying Industrial Units	<ul style="list-style-type: none"> The inventorization is completed, 48 Nos of Water Polluting industries exists.
			8.	Health Department	Health Camps and Health Study on the catchment of River.	<ul style="list-style-type: none"> No Health Camps conducted in July, 2020 due to Covid-19 pandemic.

2. River MARKANDA Stretch (Priority II):

Sr. No.	Organization Responsible	Work proposed for Execution along with cost and final Timeline.	Incremental Progress
1.	Irrigation and Public Health Department & Industries	Kala Amb and Moginand Area: Laying of Sewerage Network and Pre-treatment of Sewage. The proposal is of Rs. 30.40 crore.	<ul style="list-style-type: none"> • The pipe line for sewer lines purchased. • Work of Laying of network is in progress. • 500m sewer line laid till date.

				<p>Department</p>	<p>Trilokpur Area: Laying of Sewerage Network & Setting up of Sewage Treatment Plants. The proposal is of Rs. 26.00 crores.</p>	<ul style="list-style-type: none"> • Sewer pipes procured for sewer line. • The land handed over to contractor. • The hydraulic design has been approved by the competent authority. • 2.5 km sewer line has been laid.
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			2.	Irrigation and Public Health Department	Installation of Continuous Water Quality Monitoring Station	The Online Continuous Water Quality Monitoring Station (OCWQMS) has been installed.
			3.	Department of Industries.	Kala Amb area : Proposal for setting up of CETP.	<ul style="list-style-type: none"> • Tender Invited on 6.06.2020 and technical bids were opened on 30.06.2020. • Bidders have been asked to give bids on Moving Bed Biofilm Reactor (MBBR)/ Sequencing Batch Reactor (SBR) technology separately by 12.08.2020.
			4.	Special Area Development Authority, Kala Amb, District Administration, Rural Development Department.	Proposal for setting up of Solid Waste Management Facility. The cost of the project is Rs. 3.5 crores.	<ul style="list-style-type: none"> • The construction of Shed has been started and is under progress. • NIA for complete work has been issued on 13.03.2020. • Single phase connection shall be installed after the work of construction of shed is completed. • Supply order for procurement of Bailing machine issued to Scientific & Technologies Equipment's Corporation on 07.03.2020. Advance 40% payment has been released.
			5.	Forest Department	Plantation Proposal Biodiversity park	<ul style="list-style-type: none"> • 1600 plants have been planted in Trilokpur Devini Area in 2 hectare. • A Vertical Garden with 2000 plantation done.

6	IPH Department	Phyto-remediation Proposal on Jattan Wala Nallah	• Preliminary Project Report prepared and two sites identified.
7	HPSPCB	Inventorization of Wastewater generating Industries and Legal Action against Non-complying Industrial Units	• The inventorization is completed, 94 Nos of Water Polluting industries exists.
8	Health Department	Health Camps and Health Study on the catchment of River.	• No Health Camps conducted in July, 2020 due to Covid-19 pandemic.

3. River SIRSA Stretch (Priority III):-

Sr. No.	Organization Responsible	Work proposed for Execution along with cost and final Timeline.	Incremental Progress
1.	Irrigation and Public Health Department and Urban	Execution of project proposal for sewage management by laying of pipelines and installation and commissioning of STP at Nalagarh. The cost is Rs. 16.36 crores.	<ul style="list-style-type: none"> • STP has been completed and commissioned. • The Sewerage connections are being released.
	Development Department	Proper design, execution of Sewerage lines to be incorporated in CETP, Baddi. The cost is Rs. 33.34 crore.	<ul style="list-style-type: none"> • Laying of sewerage network and testing is completed. • The Sewerage connections are released and sewage is also received CETP, Baddi.
	Irrigation and Public Health Department	To undertake channelization of River Sirsa from Sitomajri to Sainimajra (Nalagarh) including main drains contributing to River Sirsa.	<ul style="list-style-type: none"> • The proposal was submitted to CWC through ePAMs on 26.01.2020 after examining CWC, Shimla raised observation on 13.05.2020 which are being dealt.
2.	M/s Baddi Infrastructure (CETP) Baddi, Distt. Solan.	Improvement in functioning of existing CETP at Baddi w.r.t. connecting the near about areas with conveyance pipeline to treat the 1.10 MLD wastewater from Industries falling in River Sirsa Catchment. The cost is 2.70	<ul style="list-style-type: none"> • The pipeline laying work of Phase –I (Baddi- Barotiwala Sia Road to SWCA Building) approx. 1.7 KM is completed and Hydro testing is done. • Phase –II (Remaining work) Bank

				crore.	Guarantee to NHAI for obtaining permission of digging work of road side berms for laying pipelines has been received on 9.07.2020. The work will be started shortly.
			3.	Department of Industries. Improvement in functioning of C.E.T.P Baddi.	<ul style="list-style-type: none"> • The matter has been taken up with the Additional Chief Secretary (Inds) to the Govt. of HP for grant of in-principle approval for preparation of DPR by M/s Baddi Infrastructure, which is under process at Govt. level.
			4.	Department of Industries Cleaning of sewage tanks for industrial areas of Baddi, Jharmajri, Lodhimajra, Davni, Thana	<ul style="list-style-type: none"> • Out of total 15 Sewerage tanks in Industrial Areas Baddi, Jharmajri, Lodhimajra, Davni, Thana, 12 nos. cleaned and waste transported to CETP Baddi. • 3 Septic Tanks were not found cleaned as inspected by HPSPCB. • HPSIDC has been requested to clean Septic tanks (4nos) of HPSIDC Industrial Area by 31.08.2020.

				5.	BBNDA	Setting up of Solid Waste Processing Plant at Baddi.	<ul style="list-style-type: none"> • The work of Production Shed, Weighbridge, Boundary Wall, CCTV Cameras, ETP for Leachate treatment, Stand Completed. • Plant and Machinery of RDF Section is installed. • Other miscellaneous work electrification is also completed. • The Work of Dryer Installation is in progress.
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5.	Forest Department	Plantation Proposal and Bio-diversity Proposal	<ul style="list-style-type: none"> • Total number of 8800 plants has been planted so far in 8 hectare area. • The work for Bio-diversity Park at Nalagarh is in progress.
6.	IPH Department	Installation of Real-Time Water Quality Monitoring Station at river Sirsa.	<ul style="list-style-type: none"> • The Site is identified, financial bid is opened.
7.	HPSPCB	Inventorization of Wastewater generating Industries and Legal Action against Non-complying Industrial Units	<ul style="list-style-type: none"> • The inventorization is completed, 576 Nos of Water Polluting industries exists.

4. ASHWANI Stretch (Priority V):-

Sr. No.	Organization Responsible	Work proposed for Execution along with cost and final Timeline.	Latest Status
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				<p>1. Shimla Jal Prabandhan Nigam Limited (SJPNL) & MC Shimla</p>	<p>The up-gradation of existing 3 STPs by providing Sequencing Batch Reactor (SBR) technology. The proposal is of Rs. 45.76 crores.</p>	<ul style="list-style-type: none"> • The work for upgradation of STP has been awarded. • The work of up-gradation of STP Malyana regarding installation of centrifuge and online monitoring system has been started.
					<p>Installation of a new STP of 3.1 MLD capacity for Panthagati area. The proposal is of Rs. 22 crore.</p>	<ul style="list-style-type: none"> • Tender has been awarded for the proposed work
					<p>Proposal for Septage Management under AMRUT-mission for the management of faecal sludge and septage management including drains contributing sewage into Ashwani Khad.</p>	<ul style="list-style-type: none"> • The tender was called and 3 bids received. Technical evaluation of tender is in progress.

				<p>Proposal for improving the water quality of Ashwani Khad by installing various components, for the rejuvenation of water sources by improving the purity of water of Natural Nallahs by Phytoid Treatment at Ashwani Khad, Sanjuli-Malyana-Chamyana Khad, Shimla project.</p>	<ul style="list-style-type: none"> • The DPR of construction of Phyto-remediation is being prepared below the confluence of Lalpani Nallah and Ashwani Khad. The preparation of estimate and acquiring of land is in progress.
			<p>2.</p>	<p>Forest Department</p>	<p>Plantation proposal and Construction of Check Dams.</p> <ul style="list-style-type: none"> • 13,200 Plants have been planted so far. • Construction of 45 nos of Check Dams on sub-catchment of Ashwani at Mansar ka Nallah, Jhokjri ka Nallah, Kurgal ka Nallah, Sewak Dhangil Nallah with amount of Rs. 4,55,000=00 stands completed.

5. BEAS Stretch (Priority V) :-

Sr. No.	Organization Responsible	Work proposed for Execution (In the Catchment Area)	Latest Status
1.	Irrigation and Public Health Department & Urban Development	<p>I. Proposal for Sewerage Scheme in Rangri, Manali, District- Kullu.</p> <p>II. Proposal for Sewerage Scheme in Marhi, District- Kullu.</p> <p>III. Proposal for the expansion of existing STP in Manali, installation of New STPs in Manali.</p> <p>IV. Proposal for Sewerage Scheme in Kullu Town, District- Kullu (Zone-I).</p> <p>V. Proposal for Sewerage Scheme in Kullu Town, District- Kullu (Zone-II).</p> <p>VI. Proposal for Sewerage Scheme in Kullu Town,</p>	<p>162.0 Crore</p> <p>I. Technical Sanction accorded and Draft Notice Inviting Tender under preparation.</p> <p>1.14 Crore</p> <p>II. Work of laying network is completed and work for setting up of STP is awarded and work is in progress.</p> <p>6.17 Crore</p> <p>III. Funds have been received. Hydraulic Design submitted for approval.</p> <p style="text-align: center;"><u>IV&V.</u></p> <p>The work for up-gradation of STP (Zone-I & Zone-II), Kullu has been awarded under AMRUT. The design and drawing stand approved. The work is in progress.</p> <p>1.88 Crore</p> <p>3.05 Crore</p> <p>2.25</p>

				District- Kullu (Zone-III). VII. Proposal for Sewerage Scheme in Bhunter Town, District- Kullu (Zone-III).	Crore 3.35 Crore	<u>VI & VII.</u> The work of STPs (Kullu Zone –III and Bhunter Zone-III) completed and are functioning as prescribed norms of CPCB.
				Proposal for the expansion of existing STPs and installation of New STPs (District- Mandi).		The Technical Sanction has been accorded to Rs. 61.14 Crores. Tendering for STP and part of sewerage network in progress.
			Irrigation and Public Health Department (I&PH)	Proposal for sewer connection and sewer line up-gradation at Nadaun (District- Hamirpur).		• STP commissioned, estimate for additional pipe network approved.
				Proposal for installation of STP (1.38 MLD) at Dehra, District- Kangra.		• STP has been commissioned. • Total Connection 850, out of which 312 connections sanctioned and 125 released.
				Proposal for Channelization of River Beas from Palchan to Aut under HP Flood and River Management Project.		Snowfall data awaited from SASE.
				Proposal for channelization of Suketi Khad in a stretch.		DPR submitted to Secy (Jal Shakti) to the Govt. of HP by E-in-C (Project) Jal Shakti Vibhag Mandi.
			2.	Urban Development Department Mandi.		<ul style="list-style-type: none"> • The Work stand completed. • Wet Composting is started. • Trommel, Shredder and De-watering machine have been installed for clearing legacy Waste.

					<ul style="list-style-type: none"> • Baling machine have been installed for packing drying waste for co-processing in cement plants.
			3.	Department of Industries.	<p>Proposal for installation of STP (60 KLD) at Industrial area, Kullu.</p> <ul style="list-style-type: none"> • HPSIDC has called e-Tender on 8.05.2020 and closing date was 29.05.2020. Only 1 bid was received. • Tender was called again and opened on 21.07.2020 and again 1 bid was received. • Tender has been called for 3rd time 6.08.2020 with some relaxation in terms & conditions and will be opened on 21.08.2020.
					<p>De-sludging of Septic Tanks for Industrial Area, Mandi (District- Mandi).</p> <ul style="list-style-type: none"> • The work has been completed.
			3.	Forest Department	<ul style="list-style-type: none"> • Proposal for Plantation (Kullu) by Forest Department • Proposal for Soil Conservation and Plantation (District- Mandi). • Proposal for Plantation (District- Hamirpur) • Proposal for Plantation (District- Kangra) <ul style="list-style-type: none"> • A total of 19,300 plants have been planted in Kullu, Mandi, Hamirpur, Kangra, the work stand completed and survival of plants is 80-90%. • Plantation area target for FY 2020-21 is 49 hectare. • Soil conservation and Check Dam work is completed and 25 check dams are built in Mandi region and 53 check dams are built in Jogindar Nagar region and stand completed.

6. GIRI Stretch (Priority V):-

Sr. No.	Organization Responsible	Work proposed for Execution (In the Catchment Area)	Existing Status
1.	IPH Department	Installation of three STPs in these areas i.e. one at Theog and two at Kotkhai.	<ul style="list-style-type: none">• The work for STP at Theog, and 02 STPs Kotkhai stand completed and commissioned and trial run is in progress.
2.	Forest Department	Plantation proposal. The proposal is of 0.73 crore	<ul style="list-style-type: none">• Plantation of total 3300 plants is completed in Theog region in 3 hectare area.• The target plantation area for FY 2020-21 is 2 hectare.

7. PABBAR Stretch (Priority V):-

Sr. No.	Organization Responsible	Work proposed for Execution (In the Catchment Area)	Existing Status
1.	Department of Urban Development.	Proposed facility for setting up of common SWM facility for areas Rohroo, Jubbal, Hatkoti and other areas.	<ul style="list-style-type: none"> •The work for decentralized processing is completed. •The composting Pits (Rohroo, Jubbal) is constructed for wet waste processing. •Wet waste is being processed in composting pits. •A baling machine has also been installed at Jubbal and Rohroo for packing of dry waste for its disposal to cement plant at Darlaghat.
2.	Forest Department	Plantation proposal.	<ul style="list-style-type: none"> •Plantation of total 3300 plants planted in 3 hectare area for 2019-20.

4.1	Progress Report may be comprised of details along with completion timelines on:																						
(i)	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment		<p>The action plan of Priority – I to V are prepared based on following identified polluting sources :</p> <ol style="list-style-type: none"> 1. Domestic Sewage generation and its treatment and proposed timeline to meet the gaps. 2. Industrial Wastewater generation and its treatment and proposed timeline to meet the gaps. 3. Existing solid wastes, bio-medical waste, hazardous waste, e-waste and other waste processing along catchment of River stretches, gaps and proposed timeline to meet the gap. 																				
(ii)	<p><u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, proposed along with completion timeline</p>		<p>Detailed Gap analysis for the approved action plan for Priority – I and Priority – II is enclosed as under.</p> <table border="1" data-bbox="737 699 1944 1222"> <thead> <tr> <th colspan="5" data-bbox="737 699 1944 841">Gap Analysis and the Proposed Action Points as per submitted Action Plans : (P-I & II stretches)</th> </tr> <tr> <th data-bbox="737 841 909 911"></th> <th data-bbox="909 841 1050 911">Details</th> <th data-bbox="1050 841 1220 911">Generation</th> <th data-bbox="1220 841 1493 911">Existing Capacity</th> <th data-bbox="1493 841 1661 911">Gap</th> <th data-bbox="1661 841 1944 911">Proposed Treatment facilities</th> </tr> </thead> <tbody> <tr> <td data-bbox="737 911 909 1222">Sewage Management</td> <td data-bbox="909 911 1050 1222">Sukhna Nallah</td> <td data-bbox="1050 911 1220 1222">(Residing & Floating) 1357.414 KLD (1.357 MLD)</td> <td data-bbox="1220 911 1493 1222"> <ul style="list-style-type: none"> • 29 Captive ETP cum STPs • 16 Common Septic tanks • 70 KLD STP <p>Total capacity: 858.004 KLD (0.858 MLD)</p> </td> <td data-bbox="1493 911 1661 1222">499.41 KLD (0.499 MLD)</td> <td data-bbox="1661 911 1944 1222"> <ul style="list-style-type: none"> ➤ 02 STPs proposed of 01 MLD each. <p>Total Capacity: 2 MLD Timeline: 31/12/2020.</p> </td> </tr> </tbody> </table>				Gap Analysis and the Proposed Action Points as per submitted Action Plans : (P-I & II stretches)						Details	Generation	Existing Capacity	Gap	Proposed Treatment facilities	Sewage Management	Sukhna Nallah	(Residing & Floating) 1357.414 KLD (1.357 MLD)	<ul style="list-style-type: none"> • 29 Captive ETP cum STPs • 16 Common Septic tanks • 70 KLD STP <p>Total capacity: 858.004 KLD (0.858 MLD)</p>	499.41 KLD (0.499 MLD)	<ul style="list-style-type: none"> ➤ 02 STPs proposed of 01 MLD each. <p>Total Capacity: 2 MLD Timeline: 31/12/2020.</p>
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(iii)	<p><u>Status of CETPs</u> Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status</p>																						

(iv)	<u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline	31.12.2020		River Markanda	(Residing & Floating) 1146.24 KLD (1.146 MLD)	<ul style="list-style-type: none"> • 06 Captive STPs • Local Household inadequate Designed Septic Tanks. Total: 0.1 MLD	1046.24 KLD (1.046 MLD)	<ul style="list-style-type: none"> ➤ 1 STP proposed for Trilokpur Area having capacity 1 MLD and Sewerage network and pre-treatment of sewage at Kala Amb (1.5 MLD) Total capacity 2.5 MLD Timeline: 31/12/2020.
				River Sirsa	(Residing & Floating) 9.12 MLD	<ul style="list-style-type: none"> • 20 Captive ETP cum STPs (0.954 MLD) • 16 Common Septic tanks (01 MLD) • 5.5 MLD (Sewerage Network and Pre-treatment & To CETP, Baddi) • 3.62 MLD STP at Nalagarh. • <u>Total Capacity – 11.074 MLD</u> 	No Gap	<ul style="list-style-type: none"> ➤ STP at Nalagarh commissioned in Feb 2020. ➤ Sewerage connections and pre-treatment at CETP Baddi completed.
				River Ashwani along Yashwant Nagar (Shimla & Solan)	20.51LD	03 nos of STPs with existing treatment: <ul style="list-style-type: none"> • Dhalli STP capacity 0.76 MLD • Malyana STP capacity 4.44 MLD • Lalpani STP capacity 10 MLD Total Capacity – 15200 KLD (15.2 MLD).	5.31 MLD	<ul style="list-style-type: none"> • Upgradation of 03 nos of STPs at Dhalli, Malyana and Lalpani and New STP at Panthghati of 02 MLD. Total Up gradation Capacity – 13.35 MLD Timeline: 31/3/2021
				River Beas at Kullu to Dehra	23.71 MLD	<ul style="list-style-type: none"> • STPs (07 Nos) at Manali and Kullu. STP Dehra and 	4.41 MLD	<ul style="list-style-type: none"> • Up gradation of STPs at Kullu (06) and Manali (01), 02

				Gopipur		STP Jawala Ji. <u>Total Capacity – 19300 KLD (19.3 MLD).</u>		New STPs at Manali, Marhi. • STP at Industrial area Kullu. <u>Proposal Capacity – 25.52 MLD</u>
				River Giri along Sainj	1.18 MLD	<ul style="list-style-type: none"> • Septic Tank and Soak Pits • 02 Nos of STPs at Kotkhai and 01 at Theog (0.305, 0.16 MLD at Kotkhai and 1.15 MLD at Theog). <u>Total Capacity - 1565 KLD (1.565MLD), Treated Sewage – 1.18 MLD).</u>	No Gap	No proposal.
				River Pabbar along Rohru	2.24 MLD	<ul style="list-style-type: none"> • STPs at Rohru, JUbball and Sarswati Nagar (1.754, 0.651 and 0.65 MLD) <u>Total 3055 KLD (3.055 MLD) Treated Sewage – 2.24 MLD).</u>	No Gap	No proposal.

			Effluent Management	Sukhna Nallah	0.4798 MLD (48 industries)	(1.6383 MLD) 19 Captive ETPs 29 Captive ETP cum STPs	No Gap	➤ NO Proposal	
				River Markanda	5.5404 MLD (94 Industries)	7.196 MLD (78 ETPs 06 STPs)	No Gap	➤ 01 CETP of 2.5 MLD capacity at Kala Amb. Timeline: 31.12.2020	
				River Sirsa	20.779 MLD (576 industries)	CETP: 25 MLD, Captive STPs, ETPs <u>Total Capacity -27.88 MLD</u>	No Gap	Nil	
				River Ashwani along Yashwant Nagar	1.0165 MLD (197 industries)	Captive ETP/ STPs with Capacity 24905 KLD (24.905 MLD)	No Gap	-	-
				River Beas at Kullu to Dehra Gopipur	1.0112 MLD (110 industries)	ETP/ STPs with Capacity 1493.9 KLD (1.493 MLD)	No Gap	-	-
				River Giri along Sainj	0.07099 MLD (17 industries)	ETP/ STPs: 92 KLD	No Gap	-	

				River Pabbar (Priority – V)	0.0475 MLD (18 Industries)	63 KLD	No Gap	-
			Solid Waste Management	Sukhna Nallah	07-08 MTD	1 MTD	6-7 MTD	➤ Common Facility at Baddi (40 MTD).
				River Markanda	1.5 MTD	1 MTD Composting	0.5 MTD	➤ Proposal for RDF manufacturing (4-6 MT/ Month) at Kala Amb.
				River Sirsa	25-30	Nil	25-30 MTD	➤ Common Facility at Baddi (40 MTD).
				River Ashwani along Yashwant Nagar	50 MTD	100 MTD	Nil	NA
				River Beas at Kullu to Dehra-Gopipur	63.5 TPD	62.5 MTD Waste to Energy Plant at Manali Waste processing site at Mandi (24 MTD), Hamirpur (10 MTD) and Dehra (2.5 MTD)	1 MTD	NA
				River Giri along Sainj	4.5 MTD	6.5 MTD	No Gap	NA

			River Pabbar at Rohru	6-7 MTD	14 MTD	No Gap	NA
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(v)	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		<p>The water quality of polluted rivers for month of July:</p> <table border="1"> <thead> <tr> <th data-bbox="737 258 1081 345" rowspan="2">Polluted river Stretch</th> <th data-bbox="1081 258 1232 345" rowspan="2">Priority</th> <th data-bbox="1232 258 1325 345" rowspan="2">pH</th> <th data-bbox="1325 258 1438 345">D.O.</th> <th data-bbox="1438 258 1572 345">BOD</th> <th data-bbox="1572 258 1778 345">F.C.</th> <th data-bbox="1778 258 1984 345">T.C</th> </tr> <tr> <th data-bbox="1325 302 1438 345">mg/l</th> <th data-bbox="1438 302 1572 345">mg/l</th> <th data-bbox="1572 302 1778 345">MPN/100ml</th> <th data-bbox="1778 302 1984 345">MPN/100ml</th> </tr> </thead> <tbody> <tr> <td data-bbox="737 345 1081 472">Sukhna Nallah D/s Water Quality at Kalka Barrier.</td> <td data-bbox="1081 345 1232 472">I</td> <td data-bbox="1232 345 1325 472">7.36</td> <td data-bbox="1325 345 1438 472">5.2</td> <td data-bbox="1438 345 1572 472">0.8</td> <td data-bbox="1572 345 1778 472">11</td> <td data-bbox="1778 345 1984 472">32</td> </tr> <tr> <td data-bbox="737 472 1081 583">River Markanda D/s Jattan Wala Nallah at Sadhora</td> <td data-bbox="1081 472 1232 583">II</td> <td colspan="5" data-bbox="1232 472 1984 583">Source Dried</td> </tr> <tr> <td data-bbox="737 583 1081 670">River Sirsa D/s Nalagarh Town</td> <td data-bbox="1081 583 1232 670">III</td> <td data-bbox="1232 583 1325 670">7.64</td> <td data-bbox="1325 583 1438 670">6</td> <td data-bbox="1438 583 1572 670">0.4</td> <td data-bbox="1572 583 1778 670">12</td> <td data-bbox="1778 583 1984 670">40</td> </tr> <tr> <td data-bbox="737 670 1081 751">Ashwani Khad U/s Yashwant Nagar</td> <td data-bbox="1081 670 1232 751">V</td> <td data-bbox="1232 670 1325 751">7.73</td> <td data-bbox="1325 670 1438 751">7.8</td> <td data-bbox="1438 670 1572 751">1.2</td> <td data-bbox="1572 670 1778 751">7.8</td> <td data-bbox="1778 670 1984 751">26</td> </tr> <tr> <td data-bbox="737 751 1081 878">River Beas (Right Bank) D/s Dehra Town)</td> <td data-bbox="1081 751 1232 878">V</td> <td data-bbox="1232 751 1325 878">8.02</td> <td data-bbox="1325 751 1438 878">9</td> <td data-bbox="1438 751 1572 878">0.2</td> <td data-bbox="1572 751 1778 878">2</td> <td data-bbox="1778 751 1984 878">27</td> </tr> <tr> <td data-bbox="737 878 1081 1089">River Giri D/s of Lift Water Supply Scheme at Sainj (at boundary District Shimla)</td> <td data-bbox="1081 878 1232 1089">V</td> <td data-bbox="1232 878 1325 1089">8.61</td> <td data-bbox="1325 878 1438 1089">8.4</td> <td data-bbox="1438 878 1572 1089">0.7</td> <td data-bbox="1572 878 1778 1089">34</td> <td data-bbox="1778 878 1984 1089">170</td> </tr> <tr> <td data-bbox="737 1089 1081 1216">River Pabbar D/s of TRT of Sawara Kuddu</td> <td data-bbox="1081 1089 1232 1216">V</td> <td data-bbox="1232 1089 1325 1216">7.73</td> <td data-bbox="1325 1089 1438 1216">8</td> <td data-bbox="1438 1089 1572 1216">0.5</td> <td data-bbox="1572 1089 1778 1216">23</td> <td data-bbox="1778 1089 1984 1216">130</td> </tr> </tbody> </table>	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	7.36	5.2	0.8	11	32	River Markanda D/s Jattan Wala Nallah at Sadhora	II	Source Dried					River Sirsa D/s Nalagarh Town	III	7.64	6	0.4	12	40	Ashwani Khad U/s Yashwant Nagar	V	7.73	7.8	1.2	7.8	26	River Beas (Right Bank) D/s Dehra Town)	V	8.02	9	0.2	2	27	River Giri D/s of Lift Water Supply Scheme at Sainj (at boundary District Shimla)	V	8.61	8.4	0.7	34	170	River Pabbar D/s of TRT of Sawara Kuddu	V	7.73	8	0.5	23	130
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<p>(vi)</p>	<p>Preventing dumping of waste and scientific management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams etc.</p>		<p><u>Solid Waste Management</u> <u>Priority – I (Sukhna Nallah at Parwanoo)</u></p> <ul style="list-style-type: none"> • At Priority – I, (Sukhna at Parwanoo), total solid waste generation is 7-8 MT/Day. • The legacy waste has been recovered, and dumping site has been cleared. Domestic Hazardous waste Kiosk has been installed at Parwanoo. • The dry waste generated along the stretch of River Sukhna at Prawnoo has been regularly collected and further transported to the Waste processing site at Baddi • The wet waste is processed into Composting Pits constructed. <p><u>Priority – II (River Markanda at Kala Amb)</u></p> <ul style="list-style-type: none"> • Total solid waste generation is 3-4 MT/Day • The waste generated along the stretch of River Markanda at Kala Amb is disposed in the waste processing site at Nahan. • The Solid waste processing facility is proposed for Kala Amb which is to be completed by 31.12.2020. <p><u>Priority – III (River Sirsa at Baddi, Nalagarh in District Solan)</u></p> <ul style="list-style-type: none"> • Total solid waste generation is 25-30 MT/Day. • The dry waste generated along the stretch of River Sirsa has been regularly collected and further transported to the Waste processing site at Baddi. • The facility is under construction and likely to be completed soon. <p><u>Priority – V (River Ashwani, District- Shimla HP)</u></p> <ul style="list-style-type: none"> • Total solid waste generation is 50MT/Day. • The dry waste generated along the stretch of River Ashwani has been regularly collected and further transported to the Waste to RDF plant at Shimla. <p><u>Priority – V (River Beas from Kullu to Dehra-Gopipur at District- Kullu, Mandi, Hamirpur and Kangra of Himachal Pradesh)</u></p> <ul style="list-style-type: none"> • Total solid waste generation is 63.5 MT/Day. • The dry waste generated along the stretch of River Beas has been regularly collected and further transported to Waste to RDF Plant at Manali (100 MTD), Waste processing site at Mandi (24 MTD) and Hamirpur (10 MTD) and Dehra (2.5 MTD)
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			<p><u>Priority – V (River Giri at Sainj, District- Shimla HP)</u></p> <ul style="list-style-type: none"> • Total solid waste generation is 4.5 MT/Day. <p><u>Priority – V (River Pabbar along Rohru, District- Shimla HP)</u></p> <ul style="list-style-type: none"> • Total solid waste generation is 6-7 MT/Day. • The dry waste generated along the stretch of River Pabbar has been regularly collected and further transported to the Waste processing site at Rohru and Jubbal. <p><u>Hazardous Waste Management :</u></p> <p><u>Priority – I (Sukhna Nallah at Parwanoo)</u></p> <ul style="list-style-type: none"> • There are 48 industrial units falling in the stretch of Sukhna Nallah out of which 06 units are closed. • Total Hazardous waste generation inform ETP Sludge is 504 MT per year. • There is no common TSDF site in Parwanoo area. • All hazardous waste is being collected by M/s Shivalik Solid Waste Management Ltd (TSDF), Village Dabhota, Tehsil: Nalagarh, District Solan by the TSDF GPS enabled vehicle and same is further treated and landfilled. • The industries have provided separate storage facilities under covered shed within their premises. • No incident/accident regarding illegally dumping of hazardous waste has ever been reported • The capacity of landfill site at Dhabota is 10 Lac MT, hence there is no Gaps in treatment of Industrial Hazardous Waste Treatment. <p><u>Priority – II (River Markanda at Kala Amb)</u></p> <ul style="list-style-type: none"> • There are 94 industrial units falling in the stretch of River Markanda. • Total Hazardous waste generation inform of ETP Sludge is 987 MT per year. • There is no common TSDF site in Kala Amb area. • All hazardous waste is being collected by M/s Shivalik Solid Waste Management Ltd (TSDF), Village Dabhota, Tehsil: Nalagarh, District Solan by the TSDF GPS enabled vehicle and same is further treated and landfilled. • The industries have provided separate storage facilities under covered shed within their premises. • No incident/accident regarding illegally dumping of hazardous waste has been reported yet. • The capacity of landfill capacity of Landfill site at Dhabota is 10 lacs MT, hence there is no Gaps in treatment of Industrial Hazardous Waste Generated by industrial units along River Markanda Stretch.
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			<p><u>Priority – III (River Sirsa at Baddi, Nalagarh in District Solan)</u></p> <ul style="list-style-type: none"> • There are 576 industrial units falling in the stretch of River Sirsa. • Total Hazardous waste generation inform of ETP Sludge is 6048 MT per year. • All hazardous waste is being collected by M/s Shivalik Solid Waste Management Ltd (TSDF), Village Dabhota, Tehsil: Nalagarh, District Solan by the TSDF GPS enabled vehicle and same is further treated and landfilled. • The capacity of landfill site at Dhabota is 10 Lac MT, hence there is no Gaps in treatment of Industrial Hazardous Waste Treatment. <p><u>Priority – V (River Ashwani, District- Shimla HP)</u></p> <ul style="list-style-type: none"> • There are 140 industrial units falling in the stretch of River Ashwani which generates Hazardous Waste. • Total Hazardous waste generation inform of used oil is 40-50 LPD. • All hazardous waste is being collected and stored at Common facility for collection and Storage at Nalagarh/ Authorized recycler <p><u>Priority – V (River Beas from Kullu to Dehra-Gopipur at District- Kullu, Mandi, Hamirpur and Kangra of Himachal Pradesh)</u></p> <ul style="list-style-type: none"> • There are 110 industrial units falling in the stretch of River Beas which generates Hazardous Waste. • Total Hazardous waste generation inform of used oil is 54 LPD. • All hazardous waste is being collected and stored at Common facility for collection and Storage at Nalagarh/ Authorized recycler <p><u>Priority – V (River Giri at Sainj, District- Shimla HP)</u></p> <ul style="list-style-type: none"> • There are 5 industrial units falling in the stretch of River giri which generates Hazardous Waste. • Total Hazardous waste generation inform of used oil is 0.76 LPD. • All hazardous waste is being collected and stored at Common facility for collection and Storage at Nalagarh/ Authorized recycler <p><u>Priority – V (River Pabbar along Rohru, District- Shimla HP)</u></p> <ul style="list-style-type: none"> • There are 3 industrial units falling in the stretch of River Pabbar which generates Hazardous Waste. • Total Hazardous waste generation inform of used oil is 0.43 LPD.
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			<ul style="list-style-type: none"> All hazardous waste is being collected and stored at Common facility for collection and Storage at Nalagarh/ Authorized recycler <p><u>Bio-medical Waste Management:</u></p> <p><u>Priority – I (Sukhna Nallah at Parwanoo)</u></p> <ul style="list-style-type: none"> The bio medical waste generated is being disposed to M/s Enviro Engineers, a Common Bio Medical Waste Disposal Facility having capacity 100 Kg/hr, located at Shalaghat, District - Solan (H.P). One Hospital in the name and Style of ESIC Hospital, Parwanoo and 5 other HCF units generate 4.7 Kg/Day and disposes Bio-medical Waste at afore-mentioned site. <p><u>Priority – II (River Markanda at Kala Amb)</u></p> <ul style="list-style-type: none"> The bio medical waste generated is being disposed to M/s Enviro Engineers, a Common Bio Medical Waste Disposal Facility having treatment capacity 100 Kg/hr, located at Shalaghat, District - Solan (H.P). One Hospital in the name and Style of ESIC Hospital, Kala Amb and 5 other HCF collectively generate 0.2 Kg/Day and disposes Bio-medical Waste at afore-mentioned site. <p><u>Priority – III (River Sirsa at Baddi, Nalagarh in District Solan)</u></p> <ul style="list-style-type: none"> The bio medical waste generated is being disposed to M/s Enviro Engineers, a Common Bio Medical Waste Disposal Facility having capacity 100 Kg/hr, located at Shalaghat, District - Solan (H.P). 75 Health Care Facilities and 117 Industries collectively produce 765 kg/day and disposes Bio-medical Waste at afore-mentioned site. <p><u>Priority – V (River Ashwani, District- Shimla HP)</u></p> <ul style="list-style-type: none"> The bio medical waste generated is being disposed to M/s Enviro Engineers, a Common Bio Medical Waste Disposal Facility having capacity 100 Kg/hr, located at Shalaghat, District - Solan (H.P). 25 Health Care Facilities produce 130 kg/day and disposes Bio-medical Waste at afore-mentioned site. <p><u>Priority – V (River Beas from Kullu to Dehra-Gopipur at District- Kullu, Mandi, Hamirpur and Kangra of Himachal Pradesh)</u></p> <ul style="list-style-type: none"> The bio medical waste generated is being disposed to M/s Enviro Engineers, a Common Bio Medical Waste Disposal Facility having capacity 100 Kg/hr, located at Shalaghat, District - Solan (H.P).
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			<ul style="list-style-type: none"> 31 Health Care Facilities produce 203 kg/day and disposes Bio-medical Waste at afore-mentioned site. <p><u>Priority – V (River Giri at Sainj, District- Shimla HP)</u></p> <ul style="list-style-type: none"> The bio medical waste generated is being disposed to M/s Enviro Engineers, a Common Bio Medical Waste Disposal Facility having capacity 100 Kg/hr, located at Shalaghat, District - Solan (H.P). 2 Health Care Facilities produce 6 kg/day and disposes Bio-medical Waste at afore-mentioned site. <p><u>Priority – V (River Pabbar along Rohru, District- Shimla HP)</u></p> <ul style="list-style-type: none"> The bio medical waste generated is being disposed to M/s Enviro Engineers, a Common Bio Medical Waste Disposal Facility having capacity 100 Kg/hr, located at Shalaghat, District - Solan (H.P). 10 Health Care Facilities produce 28 kg/day and disposes Bio-medical Waste at afore-mentioned site. <p><u>Plastic Waste Management:</u></p> <ul style="list-style-type: none"> Buy back Policy: 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. EPR Implementation: Directions are issued to plastic waste Producers and Brand owners to set up waste collection system along Priority- I, II, III V.
(vii)	Ground water regulation		Presently Jal Shakti Department has stopped drilling of new bore wells for extraction of ground water in Himachal Pradesh as per order of the Hon'ble High Court of Himachal Pradesh. The Himachal Pradesh Ground Water Regulation & Control of Development & Management Act is under formulation will be notified after approval from the Government.
(viii)	Adopting good irrigation practices,		The Jal Shakti Department now totally discourages Flood irrigation and convergence of water through open channels. The use of irrigation water in the fields is optimized by extension services offered by Horticulture and Agriculture Department by micro irrigation methods.
(ix)	Protection and management of Flood Plain Zones (FPZ)		No flood plain zone have been identified in Himachal Pradesh till date.

(x)	Rain Water Harvesting,		<p>As per Town & Country Planning Act, 1977 (Act No. 12 of 1977), it is mandatory for all the commercial buildings to have roof top rain water harvesting system and recharging pit.</p> <p>The guidelines for capturing, storage, integration and distribution of rain water harvesting is as under as per the aforementioned Act :-</p> <ol style="list-style-type: none"> 1. The Rain Water Harvesting Structures are allowed to be constructed in setbacks below ground level. If the storage is desired at any level above ground level, it has to be away from setbacks within the permitted covered area. 2. The community Rain Water Harvesting Structure shall also be permissible. 3. Proper system for rain water capturing, storage as well as integration and distribution shall be ensured. 4. The stored rain water shall be utilized regularly for non-drinking usages including firefighting, landscaping, gardening apart from domestic usages. 5. No water supply connection shall be given to any building till Rain Water Harvesting System is put in place and subsequently operationalized. 6. The minimum capacity of Rain Water Harvesting Structure shall be worked out @ 20 Liters per square Metre of the roof top area. 7. Violator shall be liable for disconnection of Public Water Supply connection. 8. The owners of existing buildings without Rain Water Harvesting System shall have to install Rain Water Harvesting System within eighteen months after coming into the operation of these Regulations.
(xi)	Maintaining minimum environmental flow of river		<p>The following steps have been taken to maintain environmental flow in the river/ Nallah</p> <ul style="list-style-type: none"> • 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 78 nos of Check Dams constructed in Beas (Priority-V) at Mandi and Jogindarnagar. • 3 low height dams and 3 rain water harvesting structure will be constructed in Markanda (Priority-II) at Kala Amb during 2020-21.
(xii)	Plantation on both sides of the river	Completed	<p>As per the latest progress on Plantation carried out at Priority – I and Priority – II is as below :-</p> <p><u>Priority-I (Sukhna Nallah at Parwanoo)</u></p> <ul style="list-style-type: none"> • Total 2200 Plants are planted. <p><u>Priority-II (River Markanda at Kala Amb)</u></p> <ul style="list-style-type: none"> • Total 1600 Plants are planted. <p><u>Priority – III (River Sirsa at Baddi, Nalagarh in District Solan</u></p>

			<ul style="list-style-type: none"> Total 8800 Plants are planted. <p><u>Priority – V (River Ashwani, District- Shimla HP)</u></p> <ul style="list-style-type: none"> Total 13,200 Plants are planted. <p><u>Priority – V (River Beas from Kullu to Dehra-Gopipur at District- Kullu, Mandi, Hamirpur and Kangra of Himachal Pradesh)</u></p> <ul style="list-style-type: none"> Total 19,300 Plants are planted. <p><u>Priority – V (River Giri at Sainj, District- Shimla HP)</u></p> <ul style="list-style-type: none"> Total 3300 Plants are planted. <p><u>Priority – V (River Pabbar along Rohru, District- Shimla HP)</u></p> <ul style="list-style-type: none"> Total 3300 Plants are planted.
(xiii)	Setting up of biodiversity parks on flood plains by removing encroachment		<ul style="list-style-type: none"> As per the Action Plan of Priority I & II, Bio-diversity Park is proposed, at Kala Amb and the work is progress. However, for the Setting up of Bio-diversity Park, for Priority-III the total financial targets estimated by the Department of Forests for the years 2019-20 and 2020-21 are 25.0 Lakh and 32.0 Lakh respectively. For the financial year 2019-20, total budget amounting to Rs. 25 Lakh has been spent for Setting up of Bio-diversity parks along all the polluted river stretches in HP.