

**Agenda**  
**for**  
**3<sup>rd</sup> meeting of Monitoring Committee set up by NGT**  
**under**  
**Chairmanship of Hon'ble Justice Pritam Pal, Former Judge, Punjab & Haryana High Court**  
**to**  
**review progress of Implementation of Action Plans for River Sutlej, Beas & Ghaggar**



**Date: 29<sup>th</sup> May, 2019**  
**Venue: Committee Room of Punjab State Council for Science and Technology**

**Directorate of Environment and Climate Change**  
**Department of Environment**  
**Government of Punjab**

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**Item No. 1      Leave of Absence**

1.      Following members of the Committee and Departments have been invited for the meeting:

Members of the Committee

- (i).      Justice Pritam Pal, Chairperson
- (ii).      Sh. Subodh Agrawal, Member
- (iii).      Sh. Babu Ram, Member
- (iv).      Sant Baba Seechewal, Member
- (v).      Sh. J. C. Babu, Member
- (vi).      Sh. NirajMathur, Member
- (vii).      Sh. MukulSoni, Member

Departments of the State Government invited for the meeting

- (i).      Administrative Secretary, Department of Local Government
- (ii).      Administrative Secretary, Department of Rural Development
- (iii).      Administrative Secretary, Department of Industries and Commerce
- (iv).      Administrative Secretary, Department of Housing and Urban Development
- (v).      Administrative Secretary, Department of Soil and Water Conservation
- (vi).      Administrative Secretary, Department of Water Supply & Sanitation
- (vii).      Administrative Secretary, Department of Health
- (viii).      Administrative Secretary, Department of Water Resources
- (ix).      Chairman, Punjab Pollution Control Board
- (x).      Commissioner, Municipal Corporation, Ludhiana
- (xi).      Commissioner, Municipal Corporation, Jalandhar

2.      Leave of absence may be granted to those, who are unable to attend the meeting.

**Item No. 2      Confirmation of the proceedings of the 2<sup>nd</sup> Meeting**

1.      The minutes of the 2nd Meeting of Monitoring Committee have been circulated to all the members & departments vide Letter No. DECC/2019/243-262 dated 06.05.2019.
  
2.      The minutes may accordingly be confirmed.

**Item No. 3      Review of monitoring of Water Quality of Rivers**

1. Punjab Pollution Control Board monitors the water quality of river Sutlej, Ghaggar & Beas on monthly basis. The details of water quality monitored at the major critical locations in April, 19 is placed at **Annexure-I**.
2. PPCB reported that DPR for installing Real Time Water Quality Monitoring Stations (RTWQMS) at 11 critical locations of Sutlej, Beas and Ghaggar is under preparation (**Annexure-II**).
3. The major observations of Deptt. of Environment are as under:
  - (i). No improvement in class of water quality has been observed in April, 19 in comparison to average results of last Financial Year. However, it has degraded by 283 % w.r.t Total Coliform after the confluence with Budha Nallah in Sutlej.
  - (ii). The main reasons for deterioration of water quality could be due to the followings:
    - (a). 34 STPs out of total 74 STPs inspected during April 2019 have failed to achieve the prescribed standards
    - (b). 21 ETPs installed by Industries out of total 57 ETPs inspected during April 2019 have failed to achieve the prescribed standards,
    - (c). 1 CETP out of total 4 CETPS monitored in April, 19 has failed to achieve the prescribed discharge standards.
    - (d). Dairy wastewater from Tajpur Dairy Complex is being discharged directly into Budha Nallah
    - (e). Dairy wastewater from Jamsher Dairy Complex, Jalandhar is also being discharge into river Sutlej through East Bein without treatment
    - (f). The Operator of CETP Electroplating, Ludhiana provided list of more than 250 industries of Ludhiana & Jalandhar which are not supplying their effluents or partly supplying to the CETP and may discharge the same into the sewerage system.
  - (iii). The progress w.r.t installation of RTWQMS needs to be expedited by PPCB particularly for Sutlej River and Buddha Nallah.
4. The Committee may accordingly review the matter.

**Item No. 4      Review of monitoring of functioning of existing STPs in the catchment area**

1. In the last meeting of NGT Monitoring Committee held on 24.04.19, following decisions were taken:
  - (i). DLG to prepare comprehensive manual for O&M of all STPs for ensuring compliance to achieve the prescribed norms.
  - (ii). Financial penalties must be imposed on contractors maintaining STPs, which don't meet the standards and suitable provisions must be built in the contracts, if required.
  - (iii). Supervisory staff shall also be held responsible & accountable if there is no improvement in the functioning of the STPs. Their roles & responsibility shall be clearly documented and the same shall also be linked to their performance assessment.
  - (iv). DLG will get all Bypass System of STPs sealed in presence of PPCB. In case of emergency, the department will break the seal and use the bypass under intimation to PPCB.
  - (v). DLG will ensure that all ULBs shall provide information w.r.t. generation of sludge in the prescribed format of PPCB.
  - (vi). Composite samples be taken by PPCB for STPs in Ludhiana & Jalandhar for the time being in view of shortage of staff.
  - (vii). PPCB shall expedite the process for recruitment of field staff after the election code of conduct.
  - (viii). The online continuous monitoring system on STPs shall be made assessable to the members of Monitoring Committee, PPCB & DECC to see the compliances.
  - (ix). If the STPs continued to default except on account of industrial effluents then the concerned ULBs will liable to pay environmental compensation for polluting the rivers.
  
2. The summary of STPs monitored by PPCB in April, 19 viz-a viz action taken against the non-compliant STPs are placed at **Annexure-III & IV** with details as under:
  - (i). 34 STPs out of total 74 STPs found non-compliant which contributes to 70% of the total capacity of monitored STPs.

- (ii). Out of 34 non-compliant STPs, 14 STPs failed only due to F.Coli which contributes to 20% of the total capacity of monitored STPs.
  - (iii). PPCB reported that it has initiated action against the STPs found non-compliant.
3. CPCB vide letter dated 05.04.19 also issued Show Cause Notice to The Commissioner, Municipal Corporation, Ludhiana to explain the reasons as to why action should not be taken against Municipal Corporation, Ludhiana including levying of environmental compensation for non-compliance of STPs at Jamalpur & Bhattian w.r.t. general discharge standards and non-installation of OCEMS.
4. NGT Monitoring Committee during field visit to Ludhiana on 01.05.2019 has made the following observations:
- (i). Chairman, PPCB shall take legal action under the provisions of Water Act, 1974 against Municipal Corporation, Ludhiana & Punjab Dyers Association, Ludhiana which has maintained un-authorized direct outlets into Budha Nallah through the sewerage system.
  - (ii). Chairman, PPCB shall take disciplinary action against Assistant Environmental Engineer looking after the area of Tajpur Road, for not reporting the existence of said unauthorized outlets into Budha Nallah.
  - (iii). Chairman, PPCB shall direct Municipal Corporation, Ludhiana to remove all the outlets carrying industrial wastewater directly into Budha Nallah.
  - (iv). PPCB & MCL shall jointly carry out the studies w.r.t. consumption of water for domestic usage in Ludhiana and discharge of sewage into Budha Nallah and conclude the issue within one month.
  - (v). STPs of Sahnewal & Machhiwara be regularly monitored by PPCB
  - (vi). STP at Jamalpur shall be rehabilitated by MC, Ludhiana based on appropriate technology and sewage flow entering into STP in view of future increase in discharge due to growth in population.
  - (vii). MC, Ludhiana shall prepare a proposal for treatment of dairy waste of Tajpur & Habbawal Dairy Complex and provide firm timelines for shifting of Tajpur Dairy Complex.

- (viii). MCL shall make the connectivity of Transport Nagar outlet, presently falling into Budha Nallah, to the STP as per timelines mentioned in the action plan.
  - (ix). PPCB must analyse the outlet sample of 50 MLD, STP Bhattian from a reputed laboratory for its chemical analysis to identify the reasons for presence of colour in the treated sewage.
  - (x). MCL directed to improve the performance of 111 MLD STP Bhattian as the partially treated sewage, being directly discharged into river Sutlej, deteriorating the river water quality.
  - (xi). Department of Water Resources shall take immediate steps to desilt Budha Nallah at Barnharabridge within 15 days and desilt Budha Nallah within city area within 2 months i.e. before Monsoon.
  - (xii). PPCB to conduct ground water sampling at 5-6 locations in village Walipur in the presence of Sarpanch of village to assess the ground water quality.
5. The progress report from Department of Local Government for April, 19 is awaited.



**Item No. 5      Review of monitoring of functioning of CETPs in the catchment area**

1.      The progress of Punjab Pollution Control Board w.r.t functioning of CETPs is given in Annexure V.
2.      Out of 3 CETPs monitored during April 2019, the CETP for Leather Complex, Jalandhar was found non-compliant. PPCB has imposed Rs. 25 lacs bank guarantee to the operator of said CETP on account of non-compliance for the Month of March, 19 and action is under process for the Month of April, 19.
3.      For Electroplating CETP, where effluents are brought through Tankers, the Board has been asked to devise more effective mechanism to track the quantity and route through GIS/ GPS system.
4.      The observation of Deptt. of Environment are as under:
  - (i).      The CETP at Leather Complex has consistently failed to achieve the prescribed discharge standards.
  - (ii).      The Operator of CETP Electroplating, Ludhiana provided list of more than 250 industries of Ludhiana & Jalandhar which are not supplying their effluents or partially supplying to the CETP and may be discharging into the sewerage system. PPCB has been asked to set up a foolproof mechanism for monitoring the tankers.
5.      The Committee may review the status.

**Item No. 6      Review of monitoring of functioning of ETPs installed by industries**

1. In the last meeting of NGT Monitoring Committee held on 24.04.19:
  - (i). PPCB was directed to setup dedicated team to monitor the data of OCEMS for detecting & taking action against the non-compliance unit. The online system interface may also be made available to the members of Monitoring Committee & DECC.
  - (ii). PPCB should carryout special monitoring of ETPs of industries in the catchment area of Jamalpur, STP as it was found completely dysfunctional due to mixing of industrial effluents.
  - (iii). Certain %age of the inspections should be carried out by senior level officers.
  
2. The details of industries/ ETPs monitored by PPCB in April,19 and action taken against non-compliant units are given in **Annexure VI& VII**. The same are briefly reproduced are as under:
  - (i). PPCB monitored 64 ETPs out of which 23 found non-compliant.
  - (ii). PPCB reported that:
    - (a). Cases filed without penalty : 11 units
    - (b). Encashment of Performance Bank Guarantee : 2 units
    - (c). Impose New Performance Bank Guarantee : 4 units
    - (d). No. of pending cases of < 3 months : 39units
    - (e). No. of pending cases > 3 months : 16 units
  
3. PPCB reported that 114 industries having discharge more than 50 KLD are required to install Online Continuous Effluent Monitoring Systems (OCEMS) for their ETPs. Out of 114 units, only 13 industries have installed OCEMS the remaining industries have been directed to install OCEMS by 31.07.19.
  
4. NGT Monitoring Committee during field visit to Ludhiana on 01.05.19 directed PPCB to check the industries of Humbran area especially paper mills within 7 days to verify their treatment systems & mode of disposal and submit the report to the Committee.
  
5. The Committee may kindly review the Status.

**Item No. 7      Review of progress of Setting up of New / Up-gradation/ Rehabilitation of STPs**

1.      A total of 86 STPs to be setup in the catchment area of river Sutlej, Beas & Ghaggar. Out of 86 STPs, land to be acquired in 11 towns and funds not tied up in 30 towns amounting to Rs. 650 crores & sought from the State Government.
2.      Out of 86 STPs, 13 to be installed by 31.12.19, 42 by 31.12.20, 13 by 31.12.21 and 15 by 31.12.22.
3.      The timelines for setting up of new STPs are at **Annexure VIII**.
4.      The progress for April, 19 from Department of Local Government is awaited.

**Item No. 8      Review of Progress of Setting up of new/ upgrading of CETPs in catchment area**

1. In the last meeting of NGT Monitoring Committee held on 24.04.19, the Committee directed:
  - (i). PPCB to closely supervise the time schedule given by the SPVs for timely commissioning of CETPs. The Board shall impose environmental compensation after due date.
  - (ii). The Board shall also put in place a legally binding mechanism for successful operation of these CETPs.
  - (iii). The Board shall also analyse the design parameters of the CETPs to ensure that they would be able to treat the industrial effluents of the respective industrial clusters.
  - (iv). The conveyance system for carrying the industrial effluents to CETPs shall also be ensured.
2. PPCB reported that the CETP at Bahadurke road (15 MLD), Ludhiana & CETP at Focal Point (40MLD) to be completed by 30.06.19 & 31.08.19 respectively. CETP at Tajpur road (50 MLD) is likely to be completed by 31.01.20.
3. The progress for April, 19 is placed at **Annexure IX**.
4. SPV 15 MLD CETP Bahadurke Road reported to Deptt. of Environment that it has completed approximately 70% of the works and project is getting delayed and its cost is getting escalated due to delay on part of PPCB. SPV further requested Commissioner, MCL on 21.05.19 to allow them to discharge their treated wastewater into MCL sewerage nearby Metro Point for a period of 5-6 months due to shortage of DI pipes for laying 4900 meter sewerage pipeline from CETP to Budha Nallah. Further, it was also informed that some of member units are delaying the payment of their membership fee and requested PPCB on 15.03.19 to persuade these industries to make the payment.
5. Further, PDA vide letter dated 09.05.19 informed PPCB that domestic effluent of Geetanagar Colony and Mahavir Jain Complex has also been connected to the sewer line laid down by PDA to carry the effluents of dyeing industries to the proposed CETP.
6. PPCB & MCL jointly observed that two 12 inch dia. sewer overflow pipes were provided in a manhole of main sewer line which has been laid by Punjab Dyer Association (PDA) to carry the effluent of dyeing industries to the proposed 50 MLD CETP.

7. Regarding CETP of Leather Complex Jalandhar, the DPR submitted to CLRI for appraisal.
8. The observations of Department of Environment are as under:
  - (i). PPCB shall monitor CETP at Bhadurke Road on day to day basis and ensure that it is completed by 30.06.19. Their representation seems to be merely a delay tactics. PPCB must impose penalties in case it is not completed by 30.06.2019.
  - (ii). The progress w.r.t. setting up of CETP at Focal Point (40 MLD) shall also be monitored so that it is completed in time.
  - (iii). The progress w.r.t CETP at Tajpur road (50 MLD) has been found slow and needs to be monitored by PPCB. The case for release of State Share, which is already lying with PPCB needs to be expedited.
  - (iv). PPCB to depute their officer to CLRI to expedite the appraisal of DPR
  - (v). PPCB to put a legal framework in place for working of CETPs including payments by member industries regularly. The issue has been pending for several months now and PPCB to expedite action.
9. The Committee may review the status.

**Item No. 9      Review of Progress of Setting up of ETPs/ Biogas Plants for Dairy and Misc. Waste**

1.      The progress reports from MC, Ludhiana & MC, Jalandhar are awaited as per **Annexure X** and **Annexure-XI**, respectively.
2.      PEDDA reported that as the shifting of Tajpur Dairies to the Shamlat land of Peerbaksh is underway, the progress w.r.t. setting up of Biogas Plant on BOO basis be intimated after the finalization of decision for shifting of dairies.
3.      PEDDA informed that Biogas Plant setup for Habbowal Dairy Complex is under repair & maintenance. The spares required for the Gas Engine to be imported from Germany and will start arriving in 1<sup>st</sup> week of June, 19 and Engine will be made functional in the last week of June, 19. But the Biogas System is in Operation & about 50 Ton of cow dung is being fed daily to remain intact the chemical process and after servicing of the engine, the dung feeding will be increased. Further, Bio-CNG and Bio-CO<sub>2</sub> facility has also been added in the project from which about 3 Ton Bio-CNG will be produced and production of electricity will reduce accordingly.
4.      Department of Local Government to present the Status.
5.      The Committee may review the current status.

**Item No. 10 Reconciliation of Wastewater & Industrial Effluents for city of Ludhiana**

1. Municipal Corporation, Ludhiana has been raising the issue of quantity of waste water discharged into Budha Nalla being far excess of domestic supply of waste water. PPCB has also made some projections in this regard. However, there is substantial difference between the waste water discharged estimated by MC, Ludhiana and PPCB.
2. In the meeting taken by Principal Secretary, Department of Environment on 09.05.19, PPCB & MCL jointly agreed for total wastewater generation from Ludhiana City as 765 MLD with details as under:

S. No	Description	Total	Domestic	Industrial		Dairy	Unaccounted
				Connected with CETP	Connected with Sewer		
1.	Jamalpur catchment	205	60	52.46	11.84	5	75.70
2.	Bhattian catchment	292	148	5.55	12.17	0	126.28
3.	Baloke catchment	268	258	0	0	10	0
	Total	765	466	58.01	24.01	15	201.98

3. Further, MCL & PPCB mutually agreed to monitor the quality of wastewater at the inlet of STPs of Jamalpur, Baloke & Bhattian in the lab at STP Bhattian. It was decided that the part of the above samples will also be analyzed from Shri Ram Institute, New Delhi for validation of monitoring results.
4. MC, Ludhiana & PPCB to present the latest status.
5. The Committee may review the current status.

**Item No. 11      Review of progress of release of Fresh Water in Budha Nallah & Holy Bein**

1.      Department of Water Resources reported that a project of Rs. 6.04 crores for release of additional 150 cusec of water beyond 200 cusec of water has been prepared and submitted to Director, Cultural Affairs, Punjab to fund the same under 550th Parkash Utsav Celebrations of Guru Nanak Dev Ji.
2.      The Department reported that the survey for release of 200 cusec of water into Budha Nallah through Nilon Drain is under progress. After the completion of survey, the proposal shall be submitted to State Government after vetting by their design division.
3.      The Committee in the last Meeting, directed Department of Water Resources to submit a road map for implementation of both the projects.
4.      The Committee may review the current status.



**Item No. 12      Review of Re-use of Treated Wastewater for Irrigation and other purposes**

1.      The Department of Environment has prepared Action Plan for re-use of Treated Wastewater which stands submitted to CPCB on 30.04.19 as per the directions of NGT.
2.      As per the Action Plan, the treated sewage of STPs can be mainly used for irrigation, besides other purposes such as green belts, construction, Thermal Power Plants, etc.
3.      Ministry of Power, Govt vide notification dated 28.01.2016 has made it mandatory for Thermal Power Plants (TPPs) which are located within 50 km areas of the STPs to use treated water of STPs for cooling purposes.
4.      There are 24 STPs, with a total capacity of 340 MLD, located within the 50 Km areas of 4 TPPs located at Goindwal Sahib, TarnTaran; Rajpura, Patiala, LehraMohabat, Bathinda & Talwandi Sabo, Mansa with total requirement of water as 250 MLD.
5.      The Department of Soil & Water Conservation submitted a project of Rs. 269 crores to Government of India under "Pradhan Mantri Krishi Sinchai Yojna for reusing the treated sewage of 52 STPs for irrigation in 2018. Another project of Rs. 95 crores for 25 STPs for irrigation as approved by GoP has also been submitted to NABARD in Dec, 2018 for funding under RIDF-25. The funds against these proposals are expected to be received during current financial year.
6.      The progress report for April, 19 awaited from Department of Soil & Water Conservation.
7.      The Committee may kindly take note of the current status.

**Item No.13      Review of action taken to prevent dumping of Solid Waste into Budha Nallah**

1.      The Monitoring Committee during last meeting held on 24.04.2019 directed Municipal Corporation, Ludhiana to initially undertake 500 meter stretch of Budha Nallah to prevent dumping of solid waste by taking various measures such as installation of CCTV Cameras, manual monitoring with the involvement of social welfare organizations and hiring of manpower. Further the offenders be challaned regularly.
  
2.      Municipal Corporation, Ludhiana to present the progress.

**Item No.14      Review of Progress for Setting up of Treatment Facilities in Villages**

1.      Department of Finance has allocated budget of Rs.50 Crores to Department of Rural Development and Panchayat(DRDP) for setting up of treatment facilities. Accordingly, the Department has prioritized 167 villages to be covered in Phase-I.
  
2.      The progress report in respect of DRDP is placed at **Annexure XII**. DRDP reported that Rs. 3.30 crores received under RDO and MGNREGA for providing treatment facilities in 23 Villages, falling in river Ghaggar. The work in these villages is under progress and is likely to be completed by 31.08.19. Whereas, the work in the remaining villages are likely to be completed by 31.01.20.
  
3.      The Committee may kindly review the current Status.

**Item No.15      Review of Shifting of Small / Medium scale scattered dyeing units**

1.      PPCB reported that 45 small & medium scale scattered dyeing units with total discharge about 10 MLD located in non-designated areas and designated area (not feasible to connect with proposed CETPs) to be shifted to one designated area for their connection to the up-coming CETPs.
2.      In the last meeting of Monitoring Committee held on 24.04.19, it was discussed that the scattered units either plan for separate CETP or achieve ZLD.
3.      PPCB to present the status.

**Item No.16      Review of Progress of installation of OCMS & CCTVs for STPs**

1.      The Action plan has stipulated installation of Online Continuous Monitoring System and CCTVs for STPs. The same are to be installed by PWSSB / MCL/MCJ/DWSS and other agencies responsible for operation and maintenance of these STPs.
2.      The progress report for April, 19 from DLG is awaited.
3.      The Committee may kindly review the current status.

**Item No.17      Review of the progress regarding organization of Health Check-up Camps**

1.      The Department of Health & Family Welfare has been tasked with organization of health check up camps in the catchment areas of rivers.
2.      The progress from the department is awaited as per **Annexure-XIII**.
3.      The Committee may kindly review the current status.

**Item No.18      Review of Public Awareness Programs regarding cleaning of the rivers**

1.      The Monitoring Committee in the last meeting held on 24.04.19 directed to all the departments to organize the capacity building & awareness activities regarding cleaning of the rivers in the State.
2.      The concerned stakeholder departments to present the progress.
3.      The Committee may kindly take note of the same.

**Item No.19      Direct discharge from Various Outlets into Drains**

1.      There are 16 MC, Ludhiana disposal points directly discharging into Budha Nallah.
2.      MC, Ludhiana informed that MC disposal near Chhauni Mohalla & Manna Singh Nagar closed which has also been verified by PPCB. The disposal of EWS colony near Geeta Nagar Bridge along Tajpur road to be plugged by MCL. The remaining disposals being taken care of after installation of proposed STPs / CETPs/ ETPs.
3.      The Monitoring Committee during field visit to Kala Sanghian Drain on 27.03.2019 directed PPCB to carry out monthly monitoring of wastewater flowing into Kala Sanghian Drain and detailed analysis be carried out for organic, inorganic parameters and heavy metals and analysis report to be provided to the Monitoring Committee before 10th of every month.
4.      PPCB & PSIEC during joint visit on 02.05.19 found the illegal discharge of following outlets into Kala Sanghian drain:
  - (i).      Industrial Focal Point, G.T Road Bypass, Jalandhar
  - (ii).      Sports & Surgical Goods Complex, Kapurthala Road, Jalandhar
  - (iii).      Leather Complex (Wet & Dry area), Kapurthala Road, Jalandhar
5.      PPCB on dated 09.05.19 written to Department of Industry & Commerce to discontinue the discharge of above said illegal outlets.
6.      The Committee may review the current status.



### Annexure-I: Water Quality Monitoring of Rivers

Sr. No.	River	Sampling Station (critical location)	Baseline (Average value of 2018-19)			Current Month				Performance w.r.t. baseline (improved /degraded/ no change)
			BOD (mg/l)	TC (MPN/ 100ml)	Class	Flow in River on date of sampling (cusec)	BOD (mg/l)	TC (MPN/ 100ml)	Class	
1	2	3	4	5	6	7	8	9	10	11
1	Sutlej	Ropar Headworks	<1	1161.7	C	8514	<1	1400	C	No Change
2	Sutlej	d/s Budha Nallah	49.2	574285.7	E	1100	90	22,00,000	E	No Change
3	Sutlej	d/s East Bein	10.2	27000	E	1200	22	54000	E	No Change
4	Sutlej	d/s Harike Lake (Rajasthan Feeder)	1.9	3800	C	2840	2.1	5800	D	Degradation
5	Beas	Mukerian	1.9	758	C	8500	1.9	790	C	No Change
6	Beas	Beas	1.6	468	B	8500	1.1	280	B	Improvement in BOD and T.Coli
7	Beas	Harike Lake (Ferozepur Feeder)	1.9	3408	C	10000	3.9	4600	D	Degraded
8	Ghaggar	Bhankharpur Bridge	21.8	27667	E		5	21000	D	Improvement
9	Ghaggar	d/s Patiala Nadi	37.9	29833	E		20	22000	E	No Change
10	Ghaggar	d/s Sagarparadrain	37.5	29545	E		42	24000	E	No Change
11	Ghaggar	d/s Sardulgarh	26.9	25000	E		30	28000	E	No Change

**Annexure-II: Installation of Real Time Water Quality Monitoring Stations in Rivers**

Sr. No	Total No. of RTWQMS to be installed in Rivers	Fund Requirement (Rs. in crore)	Baseline (March 2019) (Target date for completion of various Milestones)			Current Status i.e. Date of completion or likely date of Completion of the Milestones			Reasons for delay,if any
			Preparation of DPR	Tendering	Installation & Commissioning	Preparation of DPR	Tendering	Installation & Commissioning	
1	2	3	4	5	6	7	8	9	10
1	11	8.25	31.05.19	30.09.19	31.03.20	Under Process			

**Annexure-III: Monitoring of Functioning of Existing STPs on Monthly Basis**

Sr. No	Activity	Total No. of STPs	Baseline (March,19)				Current Month (April)				Cumulative			
			No. of STPs Monitored	No. of STPs found non-compliant	No. of STPs Failed due to F.Coli	%age of Non-compliance STPs as per capacity	No. of STPs Monitored	No. of STPs found non-compliant	No. of STPs Failed due to F.Coli	%age of Non-compliance STPs as per capacity	No. of STPs Monitored	No. of STPs found non-compliant	No. of STPs Failed due to F.Coli	%age of Non-compliance STPs as per capacity
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Monitoring of STPs	86	77	35	15	57.48	74	34	14	70				

**Annexure-IV: Action Taken in respect of all Non Compliant STPs since April, 2019 by PPCB**

Sr. No.	Month	Total no. of STPs found Non-Compliant (Col. No. 8+11)	No. of Cases where Action Completed					No. of Pending Cases		
			Cases filed without penalty	Encashment of PBG/EC	New PBG/EC	Cases Filed for Prosecution	Sub Total	Less than 3 Months	More than 3 Months	Sub Total
1	2	3	4	5	6	7	8	9	10	11
1	April, 19	34	Action under process					34	-	34
* PBG- Performance Bank Guarantee * EC-Environment Compensation										

**Annexure- V: Action taken against Non-Compliant CETPs by PPCB**

Sr. No.	Month	Total no. of CETPs found Non-Compliant (Col. No. 8+11)	No. of Cases where Action Completed				No. of Pending Cases			
			Cases filed without penalty	Encashment of PBG/EC	New PBG/EC	Cases Filed for Prosecution	Sub Total	Less than 3 Months	More than 3 Months	Sub Total
1	2	3	4	5	6	7	8	9	10	11
1	April, 19	2	Action under process				2			
* PBG- Performance Bank Guarantee * EC-Environment Compensation										

**Annexure-VI: Monitoring Industries/ETPs during the month of April '19**

Sr. No.	Activity	Total No. of ETPs	Baseline (March,19)			Current Month			Cumulative		
			No. of ETPs Monitored	No. of ETPs found non-compliant	%age of Non-compliance ETPs	No. of ETPs Monitored	No. of ETPs found non-compliant	%age of Non-compliance ETPs	No. of ETPs Monitored	No. of ETPs found non-compliant	%age of Non-compliance ETPs
1	2	3	4	5	7	8	9	11	12	13	15
1	Monitoring of ETPs	475	198	74	37%	64	23	36%			

**Annexure-VII:Action Taken Against the Non Compliant Industries/ ETPs by PPCB**

Sr. No.	Month	Total no. of ETPs found Non-Compliant (Col. No. 8+11)	No. of Cases where Action Completed					No. of Pending Cases		
			Cases filed without penalty	Encashement of PBG/EC	New PBG/EC	Cases Filed for Prosecution	Sub Total	Less than 3 Months	More than 3 Months	Sub Total
1	2	3	4	5	6	7	8	9	10	11
1	April, 19	91	11	2	4	0	17	39	16	55

\* PBG- Performance Bank Guarantee \* EC-Environment Compensation

**Annexure-VIII: Monitoring of Progress for Setting up STPs by ULBs/Departments/Urban Bodies**

S. No	River	Deptt	Urban Bodies (Town)	STP Capacity	Tech.	Funds (Rs. in cr.)	Status of Funds	Timelines					Remarks
								Prep. of DPR	Financial Closure	Tendering	Commencement of work	Completion & Commissioning	
1.	Sutlej	MCL	Jamalpur	50		61.71	Tied up	Approved	Done	DNIT under preparation		31.12.20	
2.	Sutlej	MCL	Balloke	50			Tied up	Under preparation				31.12.20	
3.	Sutlej	MCL	Jamalpur	48	UASB	18.91	Tied up	Approved		DNIT under preparation		31.12.20	Rehabilitation of existing STPs
4.	Sutlej	MCL	Balloke	152	UASB								
5.	Sutlej	MCL	Bhattian	111	UASB								
6.	Sutlej	MCJ	Pholriwal	100	SBR	85.00	Not tied up	28.02.19	31.11.19	30.06.20	01.07.20	31.12.21	Tech. Upgradation of existing STP
7.	Sutlej	MCJ	Basti Peer Dad	25	SBR	22.00	Not tied up	28.04.19	30.11.19	30.06.20	01.07.20	31.12.21	
8.	Sutlej	MCJ	Pholriwal	50	SBR	58.00	Tied up	24.04.19	30.11.19	30.06.20	01.07.20	31.12.21	
9.	Sutlej	PWSSB	Ferozepur	18	SBR	10.35	Tied up	Approved	Done	Completed	Started	31.03.20	
10.	Sutlej	PWSSB	Guru Har Sahai	1	SBR	43.07	Tied up	Approved	Done	Completed	Started	31.03.20	
11.	Sutlej	PWSSB	Guru Har Sahai	4	SBR								



12.	Sutlej	PWSSB	Jaito	6	SBR	36.15	Tied up	Approved	Done	Completed	Started	30.09.19	
13.	Sutlej	PWSSB	Kotakpura	8	SBR	88.09	Tied up	Approved	Done	Completed	Started	30.11.19	
14.	Sutlej	PWSSB	Kotakpura	6	SBR								
15.	Sutlej	PWSSB	Morinda	5.5	SBR	7.71	Tied up	Approved	Done	Completed	Started	30.06.19	
16.	Sutlej	PWSSB	Gidderbaha	7	MBBR	9.58	Tied up	Approved	Done	Completed	Started	30.09.19	
17.	Sutlej	PWSSB	Balachaur	4		4.04	Tied up	Approved	Done	31.07.19	01.08.19	31.10.20	
18.	Sutlej	PWSSB	Garshankar	3		12.34	Tied up	Approved	Done	31.07.19	01.08.19	31.10.20	
19.	Sutlej	PWSSB	Kiratpur Sahib	2		08.68	Tied up	Approved	Done	31.07.19	01.08.19	31.10.20	
20.	Sutlej	PWSSB	Maluka	1		10.00	Tied up	Approved	Done	31.07.19	01.08.19	31.10.20	
21.	Sutlej	PWSSB	Rahon	3		09.67	Tied up	Approved	Done	31.07.19	01.08.19	31.10.20	
22.	Sutlej	PWSSB	Faridkot	14		94.04	Tied up	Approved	Done	Alloted		31.12.20	Land to be acquired
23.	Sutlej	PWSSB	Patti	8		15.68	Tied up	Approved	Done	30.09.20	01.10.20	30.06.22	Land to be acquired
24.	Sutlej	PWSSB	Arniwala	2		24.00	Not tied up	Approved	01.04.20	31.03.22		30.06.22	Sewerage System to be laid followed by installation of STP
25.	Sutlej	PWSSB	Barriwala	2.5		24.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	
26.	Sutlej	PWSSB	BhagtaBhaike	3		39.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	
27.	Sutlej	PWSSB	Bhai Roopa	3		22.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	
28.	Sutlej	PWSSB	Kotha Guru	2		24.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	
29.	Sutlej	PWSSB	Mahilpur	3		20.00	Not tied	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	

							up						
30.	Sutlej	PWSSB	Mallanwala	3		37.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	
31.	Sutlej	PWSSB	Mamdot	2		37.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	
32.	Sutlej	PWSSB	Mudki	2		48.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	
33.	Sutlej	PWSSB	Nihal Singh Wala	2		27.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	
34.	Sutlej	PWSSB	Raikot	5		27.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	
35.	Sutlej	PWSSB	Moga	23		25.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	31.12.21	Capacity enhancement from 27 MLD to 50 MLD
36.	Sutlej	PWSSB	Phillaur	2.6		04.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	31.12.21	Technology upgradation of existing STP
37.	Sutlej	PWSSB	Goniana	3		05.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	31.12.21	Technology upgradation of existing STP
38.	Sutlej	PWSSB	Malout	10		05.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	31.12.21	Capacity enhancement & technology upgradation of existing STP
39.	Sutlej	DWSS	Baghapurana	4	SBR	19.15	Not tied	Approved	-	Compleat	Started	31.12.19	

							up			ed			
40.	Sutlej	DWSS	Muktsar Sahib	8.7	MBBR	04.03	Not tied up	31.01.19	-	15.05.19	01.06.19	31.12.19	Repair of existing STPs
41.	Sutlej	DWSS	Muktsar Sahib	5.7	MBBR								
42.	Sutlej	DWSS	Muktsar Sahib	3.5	MBBR								
43.	Beas	PWSS B	SultanpurLodhi	4	SBR	8.00	Not tied up	Approved	31.03.20	30.09.20	01.10.20	31.12.21	Land to be acquired
44.	Beas	PWSS B	SultanpurLodhi	1	SBR	9.22	Tied up	Approved		31.07.19	01.08.19	31.10.20	
45.	Beas	PWSS B	Kapurthala	25	SBR	2.98	Tied up	31.03.19		31.07.19	01.08.19	30.06.20	Technology up-gradation
46.	Beas	PWSS B	Kartarpur	4	SBR	8.53	Tied up	Approved		31.07.19	01.08.19	31.10.20	
47.	Beas	PWSS B	Dhilwan	2.5	SBR	5.99	Tied up	Prepared		31.03.20	01.04.20	30.06.21	Land to be acquired
48.	Beas	PWSS B	KothiPandita	2	SBR	3.00	Tied up	Prepared		31.07.19	01.08.19	31.10.20	
49.	Beas	PWSS B	Adarash Nagar	1.2	SBR	2.00	Tied up	Approved		31.07.19	01.08.19	31.10.20	
50.	Beas	PWSS B	Hariana	2	SBR	14.86	Tied up	Approved		31.07.19	01.08.19	31.10.20	
51.	Beas	PWSS B	Sujanpur	5.5	SBR	39.00	Not tied up	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	Land to be acquired
52.	Beas	PWSS	Talwara	4	SBR	34.00	Not tied	31.05.19	31.03.20	30.09.20	01.10.20	30.06.22	

		B					up						
53.	Beas	DWSS	Goindwal Sahib	1.3	WSP	4.63	Tied up	31.03.19		01.03.19	01.03.19	30.06.19	
54.	Beas	JDA	Rawal & Colonies	1	SBR	5.77	Not tied up					30.06.22	Land identified
55.	Beas	PSIEC	FP, Pathankot	2	MBBR	3.00	Tied up	Approved				30.06.21	
56.	Beas	PSIEC	FP, Goindwal Sahib	2	SBR	3.50	Tied up					30.09.21	
57.	Beas	MES	Kapurthala	1		2.32	Tied up	Prepared		Completed	Started	31.03.20	
58.	Ghaggar	PWSS B	Rajpura	10	SBR	7.42	Tied up	Approved		Completed	Started	30.06.19	
59.	Ghaggar	PWSS B	Boha	2	SBR	23.45	Tied up	Approved		Completed	Started	31.07.20	
60.	Ghaggar	PWSS B	Cheema	2		7.32	Tied up	Approved		31.07.2019	01.08.2019	31.10.20	
61.	Ghaggar	PWSS B	Bhadson	2		25.00	Not tied up	30.05.19		30.09.20	01.10.20	30.06.22	
62.	Ghaggar	PWSS B	Nabha	12		19.15	Tied up	Approved		30.09.19	01.10.19	30.06.21	
63.	Ghaggar	PWSS B	Dhuri	5	SBR	56.81	Tied up	Approved		Completed	Started	31.07.20	
64.	Ghaggar	PWSS B	Dhuri	6		30.00		Approved		Completed	01.09.19	30.11.20	Land to be acquired
65.	Ghaggar	PWSS B	Sangrur	4	SBR	100.33	Tied up	Approved		Completed	Started	31.07.20	

66.	Ghaggar	PWSS B	Sangrur	11		70.33	Tied up	Approved		Completed	01.09.19	30.11.20	Land to be acquired
67.	Ghaggar	PWSS B	Bassi Pathana	3	SBR	20.30	Tied up	Approved		Completed	Started	31.07.20	
68.	Ghaggar	PWSS B	Longowal	2		9.67	Tied up	Approved		31.07.19	01.08.19	31.10.20	
69.	Ghaggar	PWSS B	Amlouh	3		12.58	Being tied up	Approved		30.09.19	01.10.19	31.12.20	Land to be acquired
70.	Ghaggar	PWSS B	Issapur, Mubarkpur	2		5.44	Tied up	Approved		31.07.19	01.08.19	31.10.20	
71.	Ghaggar	PWSS B	Mirpur	2			Tied up	Approved		31.07.19	01.08.19	31.10.20	
72.	Ghaggar	PWSS B	Dappar, Lalru	1		6.44	Being tied up	Approved		31.07.19	01.08.19	31.10.20	
73.	Ghaggar	PWSS B	Lalru, Mandi	1.5		3.00	Being tied up	Approved					Court Case
74.	Ghaggar	PWSS B	Sanour	3		25.00	Not tied up			30.09.20	01.10.20	30.06.22	Land to be acquired
75.	Ghaggar	PWSS B	Ghanaur	2		3.10	Tied up	Approved		31.07.19	01.08.19	31.10.20	
76.	Ghaggar	PWSS B	Sirhind	2	SBR	74.65	Tied up	Approved		Completed	Started	31.07.20	
77.	Ghaggar	PWSS B	Sirhind	4	SBR		Tied up	Approved		Completed	Started	31.07.20	
78.	Ghaggar	PWSS B	Sirhind	5	SBR		Tied up	Approved		Completed	Started	31.07.20	
79.	Ghaggar	PWSS	GholuMajra,	0.3			Tied up	Approved		30.09.19	01.10.19	31.12.20	

		B	Lalru										
80.	Ghaggar	PWSS B	Chaundhehri&S amalhehri, Lalru	0.3			Tied up	Approved		30.09.19	01.10.19	31.12.20	
81.	Ghaggar	PWSS B	Baretta	3		15.00	Not tied up	30.05.19		30.09.20	01.10.20	31.12.21	Technology up- gradation of existing STP (WSP)
82.	Ghaggar	PWSS B	Bhikhi	3			Not tied up	30.05.19		30.09.20	01.10.20	31.12.21	
83.	Ghaggar	PWSS B	Sardulgarh	4			Not tied up	30.05.19		30.09.20	01.10.20	31.12.21	
84.	Ghaggar	MES	Patiala	6				Prepared		Completed	Started	31.08.20	
85.	Ghaggar	PSIEC	Mandi Gobindgarh	5	MBBR			Approved		Completed	Started	30.05.19	
86.	Ghaggar	PSIEC	Nabha	3	SBR			Approved		Completed	Started	30.11.19	

### Annexure-IX: Progress w.r.t Setting up of CETPs by PCCB

Sr. No.	Description of CETP	No. of Member Units	Cap. (MLD)	Fund Requirement	Baseline (March, 2019)				Current progress i.e Date of completion or likely date of completion				Reasons for delay	Action Taken
					Prep. of DPR	Tendering	Comm. of work	Completion & Commissioning	Preparation of DPR	Tendering	Commencement of work	Completion & Commissioning		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Tajpur Road, Ludhiana	66	40	Approx. Rs. 79 Crores	Already prepared	Already done	In progress	31.08.2019	Already prepared	Already done	In-progress	31.08.2019		-
2	Bahadurke Road	26	15	Rs. 23 Cr.	Already prepared	Already done	In progress	30.6.2019	Already prepared	Already done	In-progress	30-06-2019	-	-
3	Tajpur-Rahon Road, Ludhiana	122	50	Rs. 56 Cr.	Already prepared	Already done	In progress	31.01.2020	Already prepared	Already done	In-progress	31.01.2020	Non release of funds by GOI	
4	M/s Jalandhar Effluent Treatment Society	-	0.15	Rs. 4 crore	-	-	-	-	DPR on basis of ZLD Prepared and Technically appraised by NIT Jalandhar	Completed on Built Operate and Transfer (BOT) basis	Construction of boundary wall started but stopped by complainants and protesting public	31.03.2020	Complaints and protests by public against installation of CETP	
5	Leather Complex, Jalandhar	59	5	Rs. 28.13 crore	Prepared	-	-	-	-	-	-	-	DPR lying with CLRI Kolkata for vetting.	

### Annexure-X: Setting up of Dairy ETPs and Carcass Handling Plant by MC, Ludhiana

S. No.	Description of ETP	Cap. (MLD)	Status of Funds		Baseline (March 19)				Current Progress i.e Date of Completion or likely date of completion				Reasons for delay
			Tied Up	Not Tied Up	Preparation of DPR	Tendering	Commencement of work	Completion & Commissioning	Preparation of DPR	Tendering	Commencement of work	Completion & Commissioning	
1	2	3	4	5	6	7	8	9	10	11	12	13	14



**Annexure-XI: Setting up of Dairy ETPs and Carcass Handling Plant by MC, Jalandhar**

S. No	Description of ETP/Biogas Plant	Cap. (MLD)	Status of Funds		Baseline (March 19)				Current Progress i.e Date of Completion or likely date of completion				Reasons for delay
			Tied Up	Not Tied Up	Preparation of DPR	Tendering	Commencement of work	Completion & Commissioning	Preparation of DPR	Tendering	Commencement of work	Completion & Commissioning	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Setting up of ETP for Jamsheer Dairy Complex												
2	Setting up of Biogas Plant for Jamsheer Dairy Complex												

**Annexure-XII : Timelines for Setting up of Treatment Facilities in Villages by DRDP**

Sr. No.	River	No. of Priority Villages		Total Discharge (MLD)	Tech.	Fund Reqmt. (crores)	Status of Funds		Baseline (March 19)				Current Progress i.e Date of Completion or likely date of completion					Reason for delay	Responsible Officer
							Tied Up	Not Tied Up	Preparation of DPR	Tendering	Commencement of work	Completion & Commissioning	Preparation of DPR	Financial Closure	Tendering	Commencement of work	Completion & Commissioning		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1	Sutlej		75	12.31	Seehe-wal/Haripur Model	22.50	Rs. 50 crore sanctioned by GoP but yet to be released	31.05.19	30.09.19	31.12.19	31.01.20	Being Prepared	Rs. 50 crore sanctioned by GoP but yet to be released	-	-	-	-	-	
2	Beas		5	1.24	Seehe-wal/Haripur Model	1.50		31.05.19	30.09.19	31.12.19	31.01.20	Being Prepared		-	-	-	-	-	-
3	Ghaggar	A	64	32.17	Seehe-wal/Haripur Model	26.10		31.05.19	30.09.19	31.12.19	31.01.20	Being Prepared		-	-	-	-	-	-
		B	23				Rs. 3.30 Cr. From RDO & MGNREGA	-	-	-	31.08.19	in Progress	Rs. 3.30 Cr. From RDO & MGNREGA	-	23 Villages work in progress	31.08.19	-	-	

**Annexure-XIII: Health Checkup Camps conducted in April '19**

<b>Sr. No.</b>	<b>Location of the camp</b>	<b>Date on which camp was organized</b>	<b>Name of the Doctor(s) &amp; their organization</b>	<b>No. of people examined</b>	<b>No. of people found affected with water borne disease</b>	<b>Any Other Remarks</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>