

Agenda

10th Meeting of River Rejuvenation Committee

to review the progress of Implementation of Action Plans for Clean Rivers



Date: 22.06.2020 at 11:00 AM through Video Conferencing

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

Agenda

Agenda No. 10.1	Leave of Absence.....	3
Agenda No. 10.2	Confirmation of the proceedings of the 9th Meeting of RRC	4
Agenda No. 10.3	Review of monitoring of Water Quality of Rivers	5
Agenda No. 10.4	Review of monitoring of functioning of STPs in the catchment area	7
Agenda No. 10.6	Setting up of New/ Up-gradation/ Rehabilitation of STPs.....	13
Agenda No. 10.7	Review of Progress for Setting up of New CETPs	15
Agenda No. 10.8	Progress of setting up of ETPs/ Biogas Plants for Dairy Waste	16
Agenda No. 10.9	Review of progress of Action Plan for Rejuvenation of Ponds.....	17
Agenda No. 10.10	Revision of Action Plan for Reuse of Treated Wastewater of STPs	18
Agenda No. 10.11	Action Plan for Clean Holy Bein.	19
Agenda No. 10.12	Release of 200 cusec water into Buddha Nallah	19
Agenda No. 10.13	Any Other Item with the permission of Chair	19

Agenda No. 10.1 Leave of Absence

1. Following Departments of the State Government invited for the meeting:
 - (i) Administrative Secretary, Department of Local Government
 - (ii) Administrative Secretary, Department of Rural Development and Panchayats
 - (iii) Administrative Secretary, Department of Housing and Urban Development
 - (iv) Administrative Secretary, Department of Industries & Commerce
 - (v) Administrative Secretary, Department of Water Supply & Sanitation
 - (vi) Administrative Secretary, Department of Water Resources
 - (vii) Chairman, Punjab Pollution Control Board
 - (viii) Commissioner, Municipal Corporation, Ludhiana
 - (ix) Commissioner, Municipal Corporation, Jalandhar
 - (x) Chief Conservator of Soils, Department of Soil & Water Conservation
 - (xi) Executive Director, Punjab State Council for Science & Technology
 - (xii) Director, Punjab Energy Development Agency

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

Agenda No. 10.2 Confirmation of the proceedings of the 9th Meeting of RRC

1. The minutes of the 9th meeting of the River Rejuvenation Committee held on 08.01.2020 were circulated to all the departments vide Letter No. DECC/2020/2688-2682 dated 13.01.2020.
2. The minutes may accordingly be confirmed.

Agenda No. 10.3 Review of monitoring of Water Quality of Rivers

1. Status of water quality of polluted river stretches

S.No.	River Stretch	Classification of stretch as per CPCB	No. of Smpl. location on stretch	Baseline (2018-19)	Target	Progress (May, 20)
1	Sutlej (Roopnagar to Harike Bridge)	Priority-I	7	C to E	B	C to D
2	Ghaggar (Mubarkpur to Sardulgarh)	Priority-I	14	D to E	B	D to E
3	Beas (Along Mukerian)	Priority-V	1	C	B	B
4	Beas Sultanpur Lodhi to Confluence point to Beas)	Priority-IV	1	C	B	B

Out of the 4 polluted stretches of the State, the water quality in 2 stretches of River Beas meeting the Class B water quality criteria of CPCB. The water quality of River Sutlej and Ghaggar stretches varies from Class C to E against desired water quality of Class B.

2. Installation of Real Time Water Quality Monitoring Stations

- I. PPCB is required to install 11 RTWQMS on river Sutlej (4), Beas (1), Ghaggar (4) and Budha Nallah (2) by 31.03.2020. The Board has placed the order on 11.12.2019 for supply of 11 RTWQMS and delivery of the equipment reported to be received within 45 days.
- II. PPCB has reported that the supply of 11 RTWQMS has been delayed due to Pandemic COVID- 19 lockdown.
- III. PPCB to present the status

3. Development of low cost Sensor to monitor various parameters by IIT Ropar.

- I. PSCST has awarded the project to IIT, Ropar at a total cost of Rs. 35.668 lakhs + GST. The timeline for the completion of the project is 31.07.20.
- II. LoRa dashboard and sensors for measurement of Ph, TDS, Conductivity, DO, BOD and COD of river water have been developed. Testing of LoRa network with DO and COD is under progress.
- III. PSCST to present the updated status.

4. Setting up of Integrated Dashboard for online monitoring

- I. Vendor has been finalized by PSCST through competitive bidding process. However, the funds to initiate the setting up of the dashboard are still awaited from PPCB. The timeline for setting up the dashboard was 31.03.2020.
- II. PPCB to intimate the status regarding release of funds to PSCST.

5. MIS for EPMS

- I. PSCST reported that the feasibility of utilizing the E-Samiksha portal of Govt. of Punjab for collection of information from stake holder departments with the help of NIC is being also explored.
- II. A meeting in this regard held on 21.05.2020 and 12 selected formats of monthly progress report being obtained by DECC, sent to DGR to develop system for pilot purposes.
- III. PSCST to present the updated status.

6. The Committee may accordingly review the matter.

Agenda No. 10.4 Review of monitoring of functioning of STPs in the catchment area

1. Status of STP Monitoring

Sr. No.	Agency	Total No. of STPs	Total Capacity (MLD)	No. of STP Monitored	% Non-Compliance (Nos.)	% Non-Compliance (Cap.)
1	PWSSB	48	396	32	12% (4)	14%
2	MES	10	26	5	60% (3)	68%
3	MC Jalandhar	6	235	6	17% (1)	21%
4	MC Ludhiana	5	466	5	40% (2)	56%
5	Other ULBs not maintained by PWSSB	8	100	5	-	-
6	DWSS	4	26	0	-	-
7	GMADA	3	51	0	-	-
8	PDA	1	13	1	100% (1)	100%
9	BBMB	2	14	1	-	-
10	PSIEC	1	2	0	-	-
	Total	88	1331	55	20% (11)	34.6%

2. Reasons for non-compliance of STPs and timelines for compliance

Sr. No.	Name of STP/ Town	Capacity (MLD)	Tech.	Reason for NCs	Timelines for achieving Compliance
PWSSB (4)					
1	Hoshiarpur	30	MBBR	BOD: 38 mg/l	PWSSB to report the reason.
2	Baretta	3	WSP	Under Stabilization	PWSSB to provide the timeline.
3	Bhikhi	3	WSP	BOD: 36 mg/l	PWSSB to report the reason.
4	Sardulgarh	4	WSP	Under Stabilization	PWSSB to provide the timeline.
MCL (2)					
5	Bhattian-I	111	UASB	Cleaning of FPU	31.10.21
6	Baloke-I	152	UASB	Inlet parameter is higher than designed parameter	
MCJ (1)					
7	Basti Peer Dad	50	SBR	STP needs major repair	July 2020
MES (3)					
8	East Jalandhar	3	MBBR	BOD: 45 mg/l	PPCB to report the reason.

	Cantt-I				
9l.	East Jalandhar Cantt-II	3	MBBR	BOD: 36 mg/l	PPCB to report the reason.
10	East Jalandhar Cantt-III	0.4	MBBR	BOD: 40 mg/l	PPCB to report the reason.
PDA (3)					
11	Patiala-III	13	FAB	BOD: 56 mg/l	DHUD to report the reason.

- I. All agencies have to plan their maintenance and up-graduation requirements in advance so that there is no default.
 - II. The samples of STPs lying defunct (Jamalpur) or under major repair & maintenance or stabilization are proposed not to be collected.
- 3. Action taken by PPCB against non-compliant STPs**

Month	Total no. of non-compliant STPs	No. of cases filed without penalty	No. of cases where EC imposed	Cases filed for prosecution	No. of pending cases
April, 2019 to June, 2020	348	143	47	34(5)*	124

*Prosecution has been filed against 5 STPs (Jamalpur, Kapurthala, Pathankot, Sultanpur Lodhi, Bikhi) considering 34 violations considering in different months.

4. Action Taken by Agencies against the Operators/ Contractors

Penalties imposed by various agencies (in Lacs)				
Month	PWSSB	MC Ludhiana	MC Jalandhar	GMADA
April, 19	23.96	4.0	-	-
May, 19	1.55	3.76	-	2.0
June, 19	0.048	4.21	5.27	-
July, 19	0.187	2.05	4.0	2.0
Aug, 19	0.05	5.20	-	-
Sept.,19	0.32	1.28	-	-
Oct., 19	-	3.5	-	-
Nov., 19	0.11	-	-	-
Dec., 19	1.122	-	1.0	-
Jan., 20	0.278	-	1.0	-
Feb., 20	0.225	-	-	-
Mar, 20	0.118	-	-	-

Apr, 20	-	-	-	-
May, 20	0.124			
June, 20	-	-	-	-
Total	28.092	24	11.27	4

RRC in its 9th meeting held on 08.01.2020 directed PPCB to impose penalties on concerned agencies responsible for STP rather than on the operators/contractors engaged by the agencies on account of non-compliance. The contractors shall be penalized by concerned agency for lack of performance in case of failure as per the terms of the contract agreement.

5. Progress of installation of OCEMS/CCTV

CCTV/OCEMS are to be installed on existing STPs by concerned departments by 31.12.19 as per the timelines given in the Action Plans.

CCTVs have been installed on 60 STPs out of total 88 STPs and the progress of installation w.r.t. other STPs is as follows:

Sr. No.	Agency	Total No. of STPs	DPR Stage	Tender Stage	Installation
1	PWSSB	48	-	-	48
2	MES	10	7	3	-
3	MCJ	6	-		6
4	MCL	5	-	5	-
5	Other ULBs	8	7	-	1
6	DWSS	4	2	1	1
7	GMADA	3	-		3
8	PDA	1	-	-	1
9	BBMB	2		2	-
10	PSIEC	1	1	-	-
	Total	88	17	11	60

The Department wise progress w.r.t installation of OCEMS is as under:

Sr. No.	Agency	Total No. of STPs	DPR Stage	Tender Stage	Installed
1	PWSSB	48	-	48	-
2	MES	10	7	3	-
3	MCJ	6	-		6
4	MCL	5	-	1	4
5	Other ULBs	8	8	-	-

6	DWSS	4	3		1
7	GMADA	3	-		3
8	PDA	1	-	1	-
9	BBMB	2	1	-	1
10	PSIEC	1	1	-	-
	Total	88	20	53	15

RRC in its 9th meeting held on 08.01.2020 directed PWSSB to initiate the process of installation of OCEMS/CCTV on the STPs being managed by other ULBs and necessary payment for the same be charged from concerned ULB.

6. The Committee may review the matter.

Agenda No. 10.5 Review of monitoring of functioning of CETPs & ETP in the catchment area

1. Status of CETP monitoring

S.N	Name of CETP	Cap. (MLD)	Status
1	M/s. J.B.R Tech. Focal Point, Ldh.	0.5	Sample not collected due to lockdown
2	Leather Complex, Jalandhar	5	Leather complex closed as per directions of Hon'ble Punjab & Haryana High Court
3	Leather Association Phillaur	0.035	Compliant
4	CETP of 15 MLD for Bahadurke Road, Ludhiana	15	Sample not collected due to lockdown

All the 34 members units were to be connected with conveyance system of the 15 MLD CETP at Ludhiana by 31.01.2020. PPCB reported that out of operational 18 units, 15 units have been connected to conveyance system and membership of 2 units have been cancelled.

2. Status of ETP Monitoring

- I. Out of 509 ETPs (Sutlej - 444 , Beas -17 and Ghaggar -48), 26 ETPs were monitored during May, 20. All the ETPs were found to be meeting the prescribed discharge standards.
- II. As decided in the 5th meeting of the State Apex Committee held under the Chairmanship of Chief Secretary, on 16.05.2019, SEE, CEE & Chairman, PPCB are required to carry out inspection of at least 10%, 5% & 2% of the industries, respectively from the list of industries inspected by respective Regional Officers.
- III. No inspection is carried out by SEE, CEE and Chairman, PPCB during the month of April & May, 2020.

3. Action taken by PPCB against non compliant ETPs

Month	No. of ETPs found NC	Cases filed without penalty	Encashement of PBG/EC	Cases in which PBG/ EC imposed	Sealing/ Disconnection	Pending cases
April,19 to May, 2020	207	49	14	64	12	68

- I. Department of Environment has issued directions to PPCB to discontinue the practice of imposing bank guarantee and only follow

the directions of NGT regarding levying of EC.

- II. RRC in its 9th meeting held on 08.01.2020 recommended that Regional Officers shall be delegated the powers to take action keeping in view large number of pending cases. The Senior Officers shall supervise the working of the Regional Officers. Clear guidelines be formulated for the working of Regional Offices.

4. **Installation of OCEMs in existing ETPs having discharge of > 50 KLD**

No of Units	No Action Taken	Procurement Process	Installed	Commissioned
120	12	6	32	70

PPCB has imposed EC on industrial units failed to install OCEMs by 31.07.2019.

5. The Committee may review the matter.

Agenda No. 10.6 Setting up of New/ Up-gradation/ Rehabilitation of STPs

1. Current Status of Progress

Sr. No.	Agency	No. of STPs	Funds Tied Up	Tender Stage	Under Construction	Land not Available
1	MCL	4	4	4	-	-
2	MCJ	3	3	3	-	-
3	PWSSB	71	69	47	14	10
4	DWSS	7	6	6	1	-
5	PSIEC	2	2	2	-	-
6	MES	1	1	1	-	-
	Total	88	85	63	15	10

Out of 88 STPs, 14 STPs (MCL-2, MCJ-1, DWSS-3 & PWSSB-8) require rehabilitation & upgradation and 10 towns/STPs have land issue.

2. NGT vide order dated 06.12.19 in O.A 673/2018 directed that:

- i) 100% treatment of sewage be ensured by 31.03.2020 at least to the extent of in-situ remediation and before the said date, commencement of setting up of STPs & work of connecting all the drains & others sources of generation of sewage to STPs must be ensured. Failing which, Local Bodies and concerned departments of the States will be liable to pay compensation @Rs. 5.0 Lacs per month per drain for default in in-situ remediation and Rs. 5.0 lacs per STP for default in commencement of setting up of STP.
- ii) Timelines for completing all steps of action plans including of setting up of STPs and their commissioning is 31.03.21. In case of default, compensation @Rs. 10.0 Lacs per month per STP would be liable to be paid.

3. In-situ treatment of drains by 31.03.2020: Department of Local Government has taken following measures for in-situ remediation:

- i) In 38 towns, where sewerage system does not exist, Feacal Sludge treatment has been started to convert black water into grey water.
- ii) Two different technologies for namely Nano Bubble Technology and Constructed Wet Land Technology are being piloted for in-situ remediation of two drains i.e Bhulana drain (near Jalandhar) and Sirhind Choe (Near Bhadson, District Patiala).
- iii) The result of the above mentioned technologies will be analysed

within next 3 months. After analysing the results, in-situ remediation through the said technologies will be replicated in rest of drains of the State in phased manner.

4. Commissioning of STPs by 31.03.2021: As decided in the 9th Meeting of State Apex Committee held on 14.05.2020 under chairmanship of Chief Secretary, DLG has revised the timelines of new STPs to be setup and provided the same to PPCB for taking up the matter with NGT through Department of Environment for seeking grant of extension in timelines.
5. As per the revised timelines given by DLG, DWSS & DIC, 11 STPs to be completed by 31.03.21, 25 STPs by 31.03.22, 32 STPs by 31.03.23 & 20 STPs by 31.12.23.
6. The committee may review the progress.

Agenda No. 10.7 Review of Progress for Setting up of New CETPs

1. 40 MLD CETP for Dyeing Cluster of Focal Point, Ludhiana

- I. PPCB reported that overall 74% of work has been completed. The work was to be completed by 30.08.2019 as per Action Plan of Clean river Sutlej.
- II. PPCB imposed the penalty of Rs 30,000/- per day on the SPV w.e.f from 01.09.2019 for breaching the timelines provided in the Action Plan. The same has been stayed by NGT.

2. 50 MLD CETP for the Dyeing Cluster of Tajpur Road and Rahon Road, Ludhiana

PPCB has reported that overall 55% work has been completed.

3. State Apex Committee during its 9th Meeting held on 14.05.2020 directed PPCB to ensure the setting up 40 MLD & 50 MLD CETPs at Ludhiana by September, 2020 and pursue the matter afresh with State and Central Govt. for release of their respective shares of financial grants. PPCB was also directed to pursue the matter with CLRI for vetting of DPR and submit the revised timelines and financial plan for up-gradation of 5 MLD CETP at Jalandhar to Department of Environment by 25.05.20. The revised timelines are yet to be submitted by PPCB.
4. PPCB to present the updated status w.r.t. to each CETP.

Agenda No. 10.8 Progress of setting up of ETPs/ Biogas Plants for Dairy Waste

1. Setting up of Bio CNG Plant at Tajpur Dairy Complex

PEDA has signed tripartite agreement with MCL & Tajpur Dairy owner association on 20.12.2019 for setting up of Bio CNG Plant with the capacity of 12000 cum raw biogas@ per day at Tajpur Dairy Complex within 30 months i.e. by 31.07.2022. GLADA has given demarcation of allotted 2.5 acre of land to PEDA. Preparation of DPR was under progress and held up due to lockdown on account of COVID-19 pandemic. EOI for short listing the technology for the said plant to be invited by 30.06.2020.

2. Setting up biogas plant for Jamsher Dairy Complex

MCJ reported that the tendering for setting up of 1 MW biogas plant for Jamsher Dairy Complex has been completed. Land lease agreement already signed on 27.12.2019 between MCJ and M/s Pharose Remedies. The project would be completed by 31.03.2022.

3. Setting up of ETPs at Tajpur Road & Haibowal Dairy Complex

MCL reported that the setting up ETPs at Tajpur Road (5 MLD) & Haibowal Dairy (10 MLD) Complexes is being taken up under the Comprehensive Plan for Rejuvenation of Budha Nallah. Tender has been floated for the same by PWSSB for commissioning the ETPs by 30.04.2022.

4. Setting up of ETP at Jamsher Dairy Complex

MCJ reported that the preparation of DPR for setting up of 5 MLD ETP at Jamsher Dairy is under process and the ETP would be completed & commissioned by 31.12.2021

5. The Committee may review the current status.

Agenda No. 10.9 Review of progress of Action Plan for Rejuvenation of Ponds

1. Action Plan for Rejuvenation of Ponds of Punjab was prepared and submitted to CPCB vide email dated 31.03.20 in compliance of NGT Orders dated 10.05.19 and 25.02.2020 in O.A. No. 325/2015 in the matter titled "Lt. Col. Sarvadaman Singh Oberoi vs Uoi & Ors". The Action Plan was approved in the 9th meeting of the State Apex Committee held under the Chairmanship of Chief Secretary, Punjab on 14.05.2020 through VC.
2. Central Pollution Control Board (CPCB) vide letter dated 06.03.20 had requested O/o Chief Secretary, Punjab to arrange to provide information in prescribed formats on existing status & restoration of ponds/water bodies of Punjab, to enable CPCB to apprise the Hon`ble NGT w.r.t Order dated 25.02.20 in O.A . No. 325/2015.
3. DRDP, DLG & PPCB were requested vide email dated 01.04.2020 to provide requisite information in CPCB prescribed formats by 10th April, 2020 for consolidation & submission to CPCB. The information is still awaited.
4. NGT vide order dated 01.06.2020 in the said matter has now extended the time for the States to provide the information in the prescribed format of CPCB by 31.07.2020. DRDP, DLG and PPCB have been again requested vide e-mail dated 10.06.2020 to provide the requisite information by 30.06.2020 positively.
5. Further, DRDP reported that out of 167 villages to be taken up in Phase-I for providing treatment facilities in the catchment area of rivers, work has been completed in 30 villages by adopting Seechewal/Haripur Model. The work in the remaining villages of Phase-I will be completed by 31.09.2020.
6. The Committee may review the progress.

Agenda No. 10.10 Revision of Action Plan for Reuse of Treated Wastewater of STPs

1. Action Plan for Re-use of Treated wastewater for the State of Punjab was prepared in consultation with stakeholder Departments and submitted to Central Pollution Control Board (CPCB) on 30th April, 2019 in compliance of NGT order dated 27.11.2018 in O.A. No. 148/2016 (M.A. No. 686/2017) titled, " Mahesh Chander Saxena) V/s. South Delhi Municipal Corporation & Others.
2. NGT vide its order dated 21.05.2020 in O.A. No. 593/2017 with O.A. No. 148/2016 directed as under:
 - (i) *States which have not addressed all the action points may do so promptly latest before 30.06.20 reducing the timelines in the action plans. The timelines must coincide with the timelines for setting up of STPs since both the issues are interconnected. All the States may take steps accordingly. The CPCB may compile further information on the subject. The compliance for action plans will be the responsibility of the Secretaries of Urban Development/ other concerned, including Irrigation & Public Health, Local Bodies, Rural Development Departments of all the States/ UTs and to be overseen by the Chief Secretaries.*
 - (ii) *Needless to say that since the issue of sources of funding has already been dealt with in the orders of the Hon'ble Supreme Court, the States was not put up any excuse on this pretext in violation of the judgment of the Hon'ble Supreme Court.*
 - (iii) *CPCB may furnish its report by 15.09.2020 giving the status of furnishing of action plans and their execution as on 31.08.2020.*
3. Action Plan for Re-use of treated wastewater of STPs has been revised as per information/data available with DECC and circulated to all the concerned departments vide e-mail dated 06.06.2020 to review & updation w.r.t. activities, timelines, fund requirements , etc. All the departments have been requested to send the updated Action Plan to DECC by 17.06.2020 to enable timely submission to CPCB/NGT.
4. The Committee may review the progress.

Agenda No. 10.11 Action Plan for Clean Holy Bein

1. CPCB has declared Sultanpur Lodhi to Harike stretch of River Beas as polluted river stretch of Priority- IV. Holy Bein being the major tributary of River Beas, has already been included in the Action Plan of Clean River Beas.
2. PPCB reported that during the 10th Meeting of the Task team of CPCB held on 26.01.2020 through video conferencing, it was decided that a separate Action Plan for Clean Holy Bein be prepared and submitted to CPCB. PPCB has submitted the draft Action Plan to Department of Environment.
3. The draft Action Plan was circulated to concerned Stakeholder Departments vide e-mail dated 26.05.2020 for their inputs and concurrence by 31.05.20. Inputs/concurrence from the concerned departments are still awaited.
4. CPCB in the 12th task meeting held through VC on 11.06.2020 has directed the State to submit the Action Plan for clean Holy Ben (Priority-IV) duly approved by RRC within 10 days.
5. PPCB to present the salient features of the Action Plan for review and approval of the Committee.

Agenda No. 10.12 Release of 200 cusec water into Buddha Nallah

DWR reported that the preparation of DPR for release of 200 cusec water into Buddha Nallah from Sirhind Canal through Nillon drain is under progress. The project will be completed by 30.04.2021.

Agenda No. 10.13 Any Other Item with the permission of Chair