

Agenda

11th Meeting of River Rejuvenation Committee

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



Dated: 03.12.2020 at 10.30 AM
through Video Conferencing

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

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Agenda No. 11.1 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. 11.2 Confirmation of the Proceedings of the 10th Meeting of RRC

1. The minutes of the 10th meeting of the River Rejuvenation Committee held on 22.06.2020 were circulated to all the departments vide Letter No. DECC/2020/33-45 dated 03.07.2020.
2. The minutes may accordingly be confirmed.

Agenda No. 11.3 Review of monitoring of Water Quality of Rivers

1. Status of Sewage Generation & Treatment

River/ Non- River Towns	No. of ULBs	Sewage Generation (MLD)	Present Treatment Infrastructure		Gap (MLD)	Proposed Treatment Infrastructure	
			No. of STPs	Capacity (MLD)		No. of STPs	Capacity (MLD)
Sutlej	50	1,245.81	51	961.60	362.46	32	477.00
Beas	15	101.80	17	102.10	20.00	13	31.90
Ghaggar	30	262.88	24	239.20	73.47	30	123.10
Total River Towns (A)	95	1610.49	92	1302.90	455.93	75	632.00
Non- River Town (B)	72	500.87	23	325.6	191.82	57	278.55
Grand Total (A+B)	167	2,111.36	115	1628.50	647.75	132	910.55

2. Status of water quality of polluted river stretches

Sr.No.	River Stretch	Classification of stretch as per CPCB	No. of Smpl. location on stretch	Baseline (2018- 19)	Target	Progress (Oct, 20)
1	Sutlej (Roopnagar to Harike Bridge)	Priority-I	7	C to E	B	C to E
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

- I. 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.
- II. PPCB was directed during the 10th meeting of RRC to take up that matter with CPCB to remove the two polluted stretches of the Beas from the list of polluted river stretches.
- III. PPCB to apprise the Committee on the same.

3. 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.
- II. PPCB reported that out of 11, 4 Station have been installed (3 on Budha Nallah near Village Jainpur, Kirpal Nagar, Sindhwan Bet and one at Bhankharpur on River Ghaggar) and 2 are under installation (1 on Harike and 1 East Bein on River Sutlej). Further, the remaining 5 RTWQMS would be installed after receiving permission from respective departments.
- III. PPCB to provide the timelines for installation of remaining stations.

4. Development of Low-Cost Sensor to monitor various parameters by IIT Ropar.

- I. PSCST engaged the IIT, Ropar for the development of low-cost sensors. The sensors for measurement of pH, TDS, Conductivity, DO, have been developed and are under development for BOD & COD.
- II. As decided during the Review Meeting held on 02.07.2020 under the Chairmanship of PSSTE; PPCB has sent its observations to IIT, Ropar. It has been reported that IIT Ropar is presently closed due to COVID-19 and

project would be completed within 3 months from the opening of Institute.

III. PSCST to apprise the latest status.

5. Setting up of Integrated Dashboard for online monitoring

- I. PPCB reported in 10th Meeting of RRC held on 22.06.20 that NIC has already setup one dashboard for online monitoring at the O/o PPCB. The features of existing dashboard of PPCB viz-a-viz the integrated dashboard proposed to be setup by PSCST with the financial support of PPCB, were discussed in detail during a review meeting held on 08.07.20 under the chairmanship on PSSTE.
- II. PPCB was directed to check the feasibility of incorporating the additional features proposed in dashboard to be developed by PSCST, for upgradation of NIC dashboard.
- III. PPCB to present the status.

Agenda No. 11.4 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	50	408.9	49	28.57% (14)	23.92%
2	MES	11	27.4	10	20% (2)	41.67%
3	MC Jalandhar	6	235	6	33.3% (2)	53.19%
4	MC Ludhiana	4	418	4	75% (3)	63.63%
5	Other ULBs not maintained by PWSSB	8	100.6	8	50% (4)	33.74%
6	DWSS	4	25.9	3	66.6% (2)	64.28%
7	GMADA	3	51.9	3	-	-
8	PUDA	1	13	1	-	-
9	BBMB	2	14.7	1	-	-
10	PSIEC	3	7.5	-	-	-
	Total	92	1302.9	85	31.76% (27)	42.69%

2. Details of Non-Compliance of STPs

Sr. No.	Name of STP/ Town	Capacity (MLD)	Tech.	Parameters beyond permissible limit	
				BOD (mg/l)	FC (MPN/100 ml)
PWSSB (14)					
1.	Phillaur-II	2.6	WSP	35	1700
2.	Nakodar	6	SBR	13	1100
3.	Machhiwada	4	SBR	10	5800
4.	Jagraon-I	12	SBR	5	4000
5.	Jagraon-II	16	SBR	12	3300
6.	Malout-I	3	WSP	42	2600
7.	Pathankot	27	SBR	25	1200
8.	Sri Hargobindpur	1	WSP	24	1400
9.	Tanda	4	MBBR	10	1100
10.	Bholath	4	WSP	27	1700

11.	Baretta	3	WSP	35	1400
12.	Bhikhi	3	WSP	40	3200
13.	Budhlada	6.5	MBBR	50	5800
14.	Sardulgarh	4	WSP	38	3300
MCL (3)					
15.	Bhattian-I	111	UASB	45	35000
16.	Bhattian-II	50	SBR	13	9200
17.	Balloke-II	105	SBR	38	BDL
MCJ (2)					
18.	Pholriwal-I	100	UASB	36	3200
19.	Jaitawali	25	SBR	64	210
MES (2)					
20.	East Jalndhar Cantt-II	3	MBBR	14	1400
21.	GE, West Pathankot	8	MBBR	32	1100
OTHER ULBS (4)					
22.	Dasuya	4	WSP	20	1400
23.	Kapurthala	25	UASB	14	1500
24.	Sultanpur Lodhi	2.6	WSP	24	1400
25.	Sham Chuarasi	1	WSP	29	2100
DWSS (2)					
26.	Muktsar Sahib-I	8.7	MBBR	95	31000
27.	Muktsar Sahib-II	5.7	MBBR	85	17000

- I. 6 STPs (capacity- 158.9 MLD) based on MBBR & SBR technologies found non-complaint due to lack of operation & maintenance.
- II. 14 STPs (capacity-159.6 MLD) failed on account of F.Coli only due to inadequate chlorination.
- III. 7 STPs (capacity- 226.6 MLD) based on UASB & WSP technologies found non-compliant.
- IV. The timelines for the upgradation of STPs at Baretta, Bhikhi & Sardulgarh based on WSP technologies are 31.12.2023. DLG to present the status along with timelines to upgrade the other STPs based on old technologies like WSP & UASB to achieve the standards of F.Coli.
- V. DWSS to present the status regarding upgradation of 3 STPs at Muktsar Sahib. The timelines of 30.04.20 provided by DWSS for the same.

3. Action taken by PPCB against non-compliant STPs

- I. Total 482 STPs found non-compliant by PPCB during the Monitoring carried out between April, 2019 to Oct, 2020.
- II. Prosecution has been filed against 5 STPs (Jamalpur, Kapurthala, Pathankot, Sultanpur Lodhi, Bikhi) considering 34 violations considering in different months. Action against 214 non-compliant STP is still pending.
- III. PPCB to provide the timelines for completion of action against pending cases.

4. Progress of installation of OCEMS/CCTV

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	50	1	25	24
2	MES	11	8	3	-
3	MCJ	6	-	-	6
4	MCL	4	-	-	4
5	Other ULBs	7	4	-	3
6	DWSS	4	-	3	1
7	GMADA	4	1	-	3
8	PDA	1	-	1	-
9	BBMB	2	1	-	1
10	PSIEC	3	-	3	-
	Total	92	17	33	42

- I. CCTVs have been installed on 64 STPs and are at Tender & DPR Stage in 8 & 20 STPs, respectively.
- II. The concerned Departments may provide timelines for the installation of CCTVs and OCEMS.
- III. The Committee may review the matter.

Agenda No. 11.5 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	Compliant
2	Leather Complex, Jalandhar	5	Not Monitored (Lying closed as per HC orders)
3	Leather Association Phillaur	0.035	Compliant
4	CETP of 15 MLD for Bahadurke Road, Ludhiana	15	Non-Compliant (BOD: 14, TDS: 3098)

- I. The newly set up 15 MLD CETP at Ludhiana found non-compliant since its commissioning in May, 2020.
- II. PPCB to present the action being taken to ensure the compliance of 15 MLD CETP.

2. Status of ETP Monitoring

Out of 509 ETPs (Sutlej -444, Beas -17 and Ghaggar -48), 65 ETPs were monitored during October, 20. 11 ETPs were found to be non-complaint.

3. Action taken by PPCB against non-compliant ETPs

- I. Total 266 ETPs found non-compliant by PPCB during the Monitoring carried out between April, 2019 to Oct, 2020.
- II. The sealing and disconnection of electricity connection carried out in 22 industries. Action is yet to be taken in 53 non-compliant cases.
- III. PPCB to provide the timelines for completion of action against pending cases.

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

No of Units	No Action Taken	Procurement Process	Installed	Commissioned
115	-	4	111	77

- I. As per the directions of PPCB, OCEMs were to be installed by 31.07.2019. PPCB to provide timelines for installation of remaining OCEMs

5. The Committee may review the matter.

Agenda No. 11.6 Setting up of New/ Up-gradation/ Rehabilitation of STPs

1. Current Status of Progress

Sr. No.	Agency	No. of STPs	Funds Tied Up	DPR Stage	Tender Stage	Under Construction	Completed
1	MCL	4	4		4	-	
2	MCJ	3	3		1	2	
3	PWSSB	71	70	22	27	21	1
4	DWSS	7	6	1	3	3	
5	PSIEC	2	2		1	1	
6	MES	1	1		1	-	
	Total	88	86	23	37	27	1

Out of 88 STPs, 13 existing STPs (MCL-2, MCJ-1, DWSS-3 & PWSSB-7) require rehabilitation & upgradation and 5 towns/STPs (Ferozpur, Dhuri, Sangrur, Bassi Pathana, and Lalru) have land issue.

2. The revised timelines for setting up of new STPs are as under:

Category	No. of STPs & Capacity	Revised Timelines
River Towns	75 New STPs (632 MLD)	- 7 STPs (45.3 MLD) by 31.03.21 - 23 STPs (93.45 MLD) by 31.03.22 - 31 STPs (178.75 MLD) by 31.03.23 - 14 STPs (314.5 MLD) by 31.12.23
	13 exiting STPs under upgradation (423.5 MLD)	- 3 STPs (17.9 MLD) by 31.03.21 - 2 STPs (363 MLD) by 31.03.22 - 1 STP (100 MLD) by 31.03.23 - 6 STPs (18.6 MLD) by 31.12.23 (1 STP of 25 MLD completed)
Non-River Towns	57 New STPs (278.55 MLD)	- 6 STPs (69.25 MLD) by 31.03.21 - 1 STP (4 MLD) by 31.03.22 - 28 STPs (129.5 MLD) by 31.03.23 - 22 STPs (75.8 MLD) by 31.12.23

As decided in the 9th Meeting of State Apex Committee held on 14.05.2020 under the chairmanship of Chief Secretary, DLG had submitted an application in NGT vide I.A No. 292/2020 in O.A 606.2018 on 16.07.20 for seeking grant of extension in timelines.

3. The matter came up for hearing in NGT on 17.09.2020 and grant of extension in timelines has been rejected. NGT has further directed Monitoring Committee constituted under the Chairmanship of Justice Jasbir Singh, Former Judge, Punjab & Haryana High Court to look into the matter and submit its independent Report.
4. NGT vide order dated 21.05.20 in O.A 593/2017 has revised the timelines for in situ-remediation and setting up & commissioning of new STPs earlier ordered vide order dated 06.12.19 in O.A 673/2018, by three months as under:
 - i) Ensure 100% treatment of sewage at least in-situ treatment of drains and commencement of setting up STPs by 30.06.2020. 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) Completing all steps of action plans including of setting up of STPs and their commissioning by 30.06.21. In case of default, compensation @Rs. 10.0 Lacs per month per STP would be liable to be paid.
5. Submission of Performance Bank Guarantee of Rs. 5 crores to CPCB in compliance of NGT orders in O.A No 673 of 2018:
 - i) CPCB vide letter dated 07.08.20 has requested the Chief Secretary for submission of Performance Guarantee of Rs. 5 Crores in compliance on NGT Orders dated 08.04.2019 in O.A 673/2018 towards four polluted rivers stretches identified in the state.
 - ii) It has been further informed that in case, State Govt. wishes to authorize concerned department for submission of Performance Guarantee on behalf of State Govt., in such case, authorization letter issued by State Govt. also be submitted along with Performance Guarantee.
6. The Committee may accordingly review the matter.

Agenda No. 11.7 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, 82% of work has been completed. The revised timeline for setting up of CETP is 31.12.20.

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

- (i) PPCB reported that overall, 72% work has been completed. The revised timeline for setting up of CETP is 31.12.20.

3. 0.15 MLD CETP at Focal Point, Jalandhar

- (i) The timelines for setting up of CETP was 31.03.20.
- (ii) PPCB reported that work stopped due to Orders of Hon`ble High Court in CWP No. 1483 of 2020 titled Jalandhar Human Welfare Society V/s State of Punjab. The matter is listed for hearing on 15.02.21.
- (iii) PPCB to intimate the status and submit the revised timelines.

4. Upgradation of existing 5 MLD of CETP for Leather Complex, Jalandhar

- (i) The timelines for upgradation of CETP was 31.03.20.
- (ii) PPCB reported that tender received on 28.08.20 & financial bid was found to be on higher side, hence the tender was recalled. Fresh Tender has been received & same is under evaluation.
- (iii) PPCB to submit the revised timelines.

5. Committee may review the matter.

Agenda No.11.8 Progress of setting up of ETPs/ Biogas Plants for Dairy Waste

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

- I. PEDA to set up Biogas CNG Plant at Tajpur Dairy Complex for the management of dairy waste by 31.07.2022.
- II. PEDA reported that National level for Expression of Interest (EOI) invited for technology selection for the project, was opened on 14.8.2020. After EOI, two stage competitive e-bidding would be carried out. Site has been-remobilized for site campus work/fencing, etc.
- III. The matter w.r.t shifting of Dairies outside the MC Limits of Ludhiana was discussed in detail during the 10th Meeting of State Apex Committee held under Chairpersonship of Chief Secretary on 03.09.20. Committee directed the Deputy Commissioner to expedite the process of identification of multiple sites for shifting for Dairies outside MC Limits.

2. Setting up of ETPs at Tajpur Road & Haibowal Dairy Complex, Ludhiana

- I. 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.
- II. Department of Local Government during the Meeting of High-Power Task Force for Rejuvenation of Budha Nallah, held on 01.08.20, was advised that setting up of ETPs under the Comprehensive Plan may not be taken up & kept flexible keeping in view the In-Principal decision taken for shifting of Dairies located at Tajpur and Habowal Dairy Complexes.

3. Setting up Biogas Plant and ETP for Jamsher Dairy Complex

- I. MCJ reported that the tendering for setting up of 1 MW biogas plant for Jamsher Dairy Complex has been completed and designing of project under progress. The project would be completed by 30.11.2023.
- II. With regard to setting up of 5 MLD ETP at Jamsher Dairy, MCJ reported that the DPR has been submitted to State Level Technical Committee of DLG for approval. The ETP would be completed & commissioned by 30.08.2022

4. The Committee may review the matter.

Agenda No. 11.9 Review of progress of Action Plans for Rejuvenation of Ponds

1. The Action Plan for Rejuvenation of Ponds was prepared in consultation with stakeholder Departments, submitted to CPCB on 31.03.20 in compliance of NGT order dated 10.05.2019 in O.A. No. 325/2015.
2. Total 15,466 rural and 249 urban ponds identified by Department of Rural Development & Panchayats (DRDP) and Department of Local Government, respectively for rejuvenation in phased manner.
3. As per the Action Plan, 1290 Village Ponds and 88 Urban Ponds are to be rejuvenated to DRDP & DLG, respectively by 31.03.21.
4. DRDP and DLG to present the updated progress on implementation of Action Plan.
5. PPCB was directed to analyze the water quality of 167 village ponds to be taken up in Phase-I for providing treatment facilities in the catchment area of rivers under Clean River Action Plans. PPCB reported that water quality of 124 ponds have been analyzed and samples of 21 ponds are being collected. It has been also reported that ponds do not exist in 22 villages.
6. Further, DRDP reported that out of 167 villages work has been completed in 36 villages (Beas:2, Ghaggar: 29, Satluj:5) by adopting Seechewal/Haripur Model and under progress in 37 villages.
7. NGT vide Order dated 18.11.2020 in O.A. 325/2015 while disposing the said matter, directed as under:
 - (i) All States/UTs may forthwith designate a Nodal agency for restoration of water bodies, wherever no such agency has so far been so designated.
 - (ii) Under oversight of the Chief Secretaries of the States/UTs, the designated nodal agency may
 - a. Hold its first meeting not later than 31.1.2021 to take stock of the situation and plan further steps, including directions to District Authorities for further course of action upto Panchayat levels and to evolve further monitoring mechanism as well as Grievance Redressal Mechanism (GRM).

- b. Submit periodical reports to the CPCB/Secretary Jal Shakti, Government of India. First such report may be furnished by 28.02.2021.
 - (iii) The Central Monitoring Committee for monitoring remediation of 351 polluted river stretches, headed by the Secretary, MoJS may monitor the steps for restoration of water bodies by all the States periodically, atleast thrice in a year. First such monitoring may take place by 31.3.2021.
8. It is proposed that DRDP, which is Nodal department for rejuvenation of 15,466 village ponds, may be designated as State Nodal Agency. The rejuvenation of Urban Ponds be carried out by Department of Local Government in consultation with DRDP.
9. The Committee may review the matter.

Agenda No. 11.10 Revision of Action Plan for Reuse of Treated Wastewater of STPs

1. The Revised Action Plan for Re-use of Treated wastewater prepared in consultation with stakeholder Departments, submitted to CPCB on 30.06.20 in compliance of NGT order dated 21.05.2020 in O.A. No. 593/2017 with O.A. No. 148/2016.
2. Forty-Seven (47) number projects have been already completed by Department of Soil & Water Conservation for using 243.3 MLD treated wastewater of STPs for irrigation.
3. Departments wise timelines for reuse of treated sewage for various purposes as per Action Plan are as under:

Departments	Quantity to be reused (MLD)	Purpose	Timelines
Deptt. of Soil & Water Conservation (DSWC)	1519.3 MLD	Irrigation	31.10.25
Deptt. of Local Government (DLG)	52 MLD	Urban Landscaping, Green Belts, Sprinkling in dust control & Fire Brigade	31.12.23
Punjab Pollution Control Board (PPCB)	1.5 MLD	Industrial use for cooling purpose in rolling & induction furnaces and for use in agro based paper mills	31.03.22

4. DSWC, DLG and PPCB to apprise the Committee about the progress made on their respective action points.

Agenda No.11.11 Release of 200 cusec water into Buddha Nallah

DWR reported that the work has been commenced for release of 200 cusec water into Buddha Nallah from Sirhind Canal through Nillon drain. The project would be completed by 30.04.21.

Agenda No.11.12 Review of compliance of NGT Order dated 28.10.2020 in O.A No. 138/2016 w.r.t pollution of River Ghaggar

1. NGT vide order dated 28.10.2020 in O.A No. 138/2016 in the matter titled "Stench Grips Mansa's Sacred. Ghaggar River" while accepting the recommendations & conclusions of 6th Report of Executive Committee submitted to NGT, directed as under:
 - (i) Chief Secretary may give the status of compliance as on 31.01.21 to the Executive Committee as well as Ministry of Jal Shakti on or before 15.02.21.
 - (ii) Executive Committee may give its consolidated Report considering the said status Report and its own Recommendations on or before 28.02.21.
2. Chief Secretary directed that Action Taken Report in compliance of recommendations & conclusions of 6th Report of Executive Committee submitted to NGT as mentioned in above said be sought from all the concerned Departments. DECC vide email dated 09.11.20 requested all departments to submit ATR.
3. The Consolidated & summarized ATR in compliance of above order is placed at Annexure 1.
4. The progress may be reviewed by Committee.

Agenda No. 11.13 Any Other Item with the permission of Chair

Consolidated Action Taken Report in compliance of NGT Order 28.10.2020 in O.A No.138/2016

Sr. No	Conclusions & Recommendations of Executive Committee	Concerned Department/ Agency	Action Taken Reports submitted by Departments
1.	Take legal action against Operators of Non-Compliant STPs (March-July,20) and concerned agencies be directed to comply with observations & operate the STPs efficiently	PPCB	<ul style="list-style-type: none"> • Environmental Compensation of Rs. 4,60,000/- & Rs. 9,20,111/- imposed to the operating agencies of Sardargarh and Bareta, respectively. However, same yet be deposited by respective MCs. • Complaint filed against Nagar Panchyat Bhikhi at Hon'ble Court of CJM, Mansa under Water Act. • Advisory issued to STPs at Mohali, Rajpura, Patiala & Zirakpur. • Action under process against STP Bhudlada & Zirakpur.
2.	State of Punjab to accelerate the progress of 11 under construction of STPs to ensure their completion by 31.03.2021.	Local Govt. & PWSSB	<p>Progress of 11 under construction STPs as on 31.10.2020 is as under:</p> <ul style="list-style-type: none"> • 66% and 42% of work completed at Boha and Sangrur STPs, respectively • Progress of work for STPs at Dhuri, Bassi Pathana, Patiala, Sirhind (3), and Banur Issey Khan between 10%-30%. • Work has been allotted for 2 STPs at Nabha & Longowal <p>NOTE: Against the NGT timeline of 31.03.21, The timelines provided by PWSSB for competition of 11 STPs are as under</p> <ul style="list-style-type: none"> - Boha (2 MLD): 31.03.21 - Sangrur (4MLD), Dhuri (5MLD), Bassi Pathana (3 MLD) Patiala (15 MLD), Sirhind (3, 11MLD): 31.12.21

Sr. No	Conclusions & Recommendations of Executive Committee	Concerned Department/ Agency	Action Taken Reports submitted by Departments
			<ul style="list-style-type: none"> - Banur Issey Khan (0.5 MLD), Nabha (12 MLD): 31.03.22 - Longowal (5 MLD): 30.06.22
3.	Land issue of STPs be resolved to ensure their timely construction by 30.06.21 and finalize the technology for the treatment of sewage at Cheema town within 15 days.	Local Govt.	<ul style="list-style-type: none"> • Land issues at Amloh has been resolved. • Land at Dhuri, Sangrur to be acquired by Compulsory Acquisition Act. • Land identification process is underway at Lalru and Bassi Pathana • Nano Bubble Technology being explored for the treatment of sewage at Cheema. <p>NOTE: DLG to provide the timelines to resolve land Issue</p>
4.	Old technology based 03 STPs should be upgraded based on new technology by 30.6.2021 and work of capacity enhancement of STP of 46 MLD of Patiala town to 61 MLD should be completed by 31.12.2020.	Local Govt/PWSSB	<ul style="list-style-type: none"> • DPR for Technology upgradation of 3 WSP based STPs i.e Baretta (3MLD), Bhikhi (3MLD), & Sardulgarh (4MLD) is under approval. • 80% of work completed for capacity enhancement of STP Patiala. <p>NOTE: The timelines of 31.12.23 for upgradation STPs provided by PWSSB exceed the NGT timelines by 2 years 6 months.</p>
5.	Treatment of sewage to cover the gap of 66.47 MLD shall be completed by 30.06.2021	PWSSB	<p>22 new STPs are being set up to cover the gap of 66.47 MLD as under:</p> <ul style="list-style-type: none"> • 15 STPs (78.7 MLD) are under Construction • 3 STPs (6.45 MLD) are at Tender Stage • 4 STPs (27 MLD) are at DPR Stage <p>NOTE: Against the NGT timeline of 30.06.21, the timelines provided by PWSSB for setting up 22 STPs are as under:</p> <ul style="list-style-type: none"> - 31.06.21: 1 STP - 31.03.22: 11 STPs - 31.12.22: 09 STPs - 31.12.23: 01 STP

Sr. No	Conclusions & Recommendations of Executive Committee	Concerned Department/ Agency	Action Taken Reports submitted by Departments
6.	Verification of Commissioning of irrigation schemes of 10 towns to utilize 47 MLD treated sewage in command area of 1541 hectare within 1 months and Irrigation schemes for Rajpura town should be completed by 31.12.2020.	PPCB/DSWC	<ul style="list-style-type: none"> Commissioning of Irrigation schemes at 10 towns to utilize treated sewage of 1541 hectares area has been verified. Irrigation Project for STP Rajpura would be completed as per timeline.
7.	<ul style="list-style-type: none"> Matter for release of funds for utilization of treated sewage for 4 towns (Budhladha: 6.5 MLD, Zirakpur: 17 MLD, SAS Nagar: 45.4 MLD, Dera Bassi: 4 MLD), for irrigations to be pursued with Deptt. of Finance Funds for laying of irrigation network to utilize treated sewage of 24 STPs of 17 towns be tied up 	DSWC	<ul style="list-style-type: none"> Rs 446 lakhs released for irrigation projects at Mandi Gobindgarh. Other 3 projects to be covered under RIDF-25. Proposal for arranging the funds for remaining STPs sent to Govt. under State Plan Scheme.
8.	Action Plan be prepared for utilization of treated sewage by 31.10.20 where irrigation scheme not feasible	Local Govt.	ATR not received. DLG to present the status
9.	Checking & ensuring compliance of industrial ETPs	PPCB	19 ETPs monitored from August,2020 to September,2020 and show cause notices issued to 3 non-compliant ETPs
10.	Installation of STPs in 87 villages to be covered in Phase 1 by 31.12.20 and provide treatment facilities in remaining 302 villages by 31.03.21	DRDP	<ul style="list-style-type: none"> Treatment facilities provided in 29 villages and work in progress in 43 villages Funds for remaining 302 villages being mobilized from Central Schemes <p>NOTE: DRDP to provide the revised timelines in light of NGT directions for providing treatment facilities in remaining 302 villages</p>

Sr. No	Conclusions & Recommendations of Executive Committee	Concerned Department/ Agency	Action Taken Reports submitted by Departments
11.	Identify & analyze ground water sources in the areas where water borne disease have been reported mand seal the contaminated sources	PPCB	<p>One Hand pump and one dugwell sealed in Village Lachuru Kalan, Dist. Patiala and village Issapur, Distt. SAS Nagar, respectively</p> <p>NOTE: PPCB to provide details of ground water sample collected & analyzed</p>
12.	Technical Committee be asked to frame Policy/Guidelines for management of septage and faecal sludge by 30.09.20 and Action Plan may be prepared for management of same by 30.11.20 and implementation of Action Plan shall start by 31.12.20	DSTE/PPCB	<ul style="list-style-type: none"> • Technical Committee under the Chairmanship of Chairman PPCB prepared Draft Punjab Septage Management Act, 2020. • Comments of stakeholder department are being sought by DECC on the Draft Act • Clarification is also being sought form PPCB about the necessity of notifying an Act instead of Policy/Rules/Guideline for management of septage
13.	In-Situ Bioremediation technology be installed by 31.10.20 in other drains carrying untreated sewage and not connected to STPs	DLG/PWSSB	<ul style="list-style-type: none"> • In-situ remediation technology already installed at Bhadson Drain, Distt. Patiala by PWSSB and on Bulana Drain, Distt kaprthala by PPCB as pilot projects. • The performance of technologies is under evaluation and would be replicated in rest of the drains depending upon its success. <p>NOTE: The Action taken reported by DLG already mentioned in NGT order in said matter. DLG to provide action plan along timelines to adopt in-situ bioremediation in other drains of state, which are not connected to STPs.</p>