

**Agenda  
for  
14<sup>th</sup> Meeting of State Apex Committee (to be held under Chief Secretary, Punjab)  
to review progress of Environment Action Plans for the State of Punjab**



**Date: 08.06.2021 at 10.30 am (through VC)**

**Directorate of Environment and Climate Change,  
Department of Science, Technology and Environment,  
Government of Punjab**

## Agenda No. 14.1

**Reference: Comprehensive Action Plan for Control of Burning of Crop Residue in the State of Punjab submitted to Commission for Air Quality Management, New Delhi on 08.03.21**

➤ Review Progress of Paddy Straw Management Plan- Crop Diversification

Sr. No	Strategy	Base Year (2020-21)	Physical Targets 2021-22	Consequent reduction in Paddy Straw by 2021-22	Pre-requisite conditions	Progress Reported by Department of Agriculture
		(Area in Lakh ha)		(Million Tons)		
1.	Reduction in Paddy area by diversifying from PUSA 44 to PR varieties	4.82	3.22	1.00	Complete Ban on seed production of PUSA 44 and financial support for adoption of other varieties by Govt. of India	(i) ICAR, New Delhi has already stopped the production of PUSA-44 seed.  (ii) Awareness created among farmers to grow short duration paddy varieties by using DSR

						<p>technique.</p> <p>(iii) The actual progress in this regard is to be made available by June, 2021.</p>
2.	The area under paddy cultivation would be reduced by diversifying to other crops such as:					
(i)	Basmati	4.06	4.26	0.02	Assistance for procurement of Basmati & Export permission for farmers.	<p>(i) Target for Basmati cultivation has been revised from 4.26 lakh ha. to 5.352 lakh ha.</p> <p>(ii) The actual progress in this regard is to be made available by July, 2021.</p>
(ii)	Maize	1.08	1.50	0.273	Support for Infrastructure, deficiency price support & efficient procurement.	<p>(i) Department will provide equipment for promotion of Maize cultivation including portable Maize Dryers.</p> <p>(ii) The actual progress in this</p>

						regard is to be made available by June, 2021.
(iii)	Cotton	2.51	2.75	0.156	Efficient financial support for Procurement through CCI	(i) Target for cotton has been revised from 2.75 lakh ha. to 3.25 lakh ha.  (ii) The actual progress in this regard is to be made available by June, 2021.
(iv)	Horticulture Crops (Vegetables & Fruits)	3.80	3.83	0.031	Support for development of infrastructure such as cold chain and other processing structures etc.	(i) The actual progress in this regard is to be made available by July, 2021.
	<b>Total</b>	<b>11.45</b>	<b>12.34</b>	<b>0.480</b>		

➤ Review Progress of Paddy Straw Management Plan- In-situ Management

Sr. No	Strategy	Base Year (2020-21)	Physical Targets 2021-22	Consequent reduction in Paddy Straw by 2021-22 (Million Tons)	Pre-requisite conditions	Progress Reported by Department of Agriculture
1.	Providing Additional Machinery to meet peak demand for limited sowing window.	75355 No.	70000 No.	6.00	100% financial assistance of Rs. 873 crore by Gol for procurement of machinery.	(i) Action Plan of Rs. 888 crore for providing 70000 additional machines submitted to Ministry of Agriculture, Gol in April, 2021. The project is likely to be sanctioned by May, 2021.

					<p>100% financial assistance of Rs. 1800 crore per year for at-least 3 years by Gol as paddy residue management compensation @ Rs. 100/Qtl.</p>	<p>(ii) Department has developed a portal for inviting applications from Farmers and CHCs. Mapping of machines will be done through this portal.</p> <p>(iii) Training has been imparted to Block &amp; District Level Officers for use of the portal.</p>
2.	Preparation of Mobile App for making Crop Residue Machinery available on					<p>(i) The work on development of Mobile App. is likely to be completed by June, 2021.</p>

	rental on Ubar/ Ola Model					
3.	Demonstration of Decomposer Technology in all Districts of Punjab	0.00228 (Area in lakh ha. )	0.03 (Area in lakh ha. )	0.02	Reduction in paddy straw possible only after successfully establishing the technology by concerned Institutions/ Agencies.	(i) The Department has experimented the Decomposer Technology, developed by IARI / PUSA and Agriculture Finance Commission (AFC) in 12 Districts of Punjab.  (ii) The results were not found to be encouraging.

➤ Review Progress of Paddy Straw Management Plan- Ex-situ Management

Sr. No	Strategy	Reduction in Paddy Straw by 2021-22 (Million Tons)	Progress as reported by PEDDA
1.	Setting up of 1 Biomass Power Plant of 6 MW capacity	0.054	(i) Project completed in August, 2019 but not operational. (ii) PPA not signed by PSPCL even tariff award by PSERC @ Rs. 7.34 / Kwh (iii) PSPCL filed petition in APTEL and matter is under adjudication.
2.	Setting up of Biomass Power Projects of 4 MW capacity	0.036	(i) Company invested 14 Cr. for civil work and machinery (ii) Company stopped the construction fearing that PSPCL may not sign PPA for the project.
3.	Setting up of Biomass Power	0.090	(i) Work order for civil construction placed



	Projects of 10 MW capacity		(ii) Project to be commissioned by 15.12.21
4.	Setting up of Bio CNG Project of 33.23 TPD capacity	0.110	(i) Civil & Mechanical works completed. (ii) Supply of CBG will be started by Dec. 21.
5.	Setting up of Bio CNG Project of 2.25 TPD capacity	0.0075	(i) Civil construction to be completed by July 21. (ii) Mechanical equipment to be completed by Sept. 21. (iii) Supply of CBG will be started by Dec. 21.

➤ Review Progress of Paddy Straw Management Plan- Other Measures

<b>Sr. No</b>	<b>Activity</b>	<b>Progress Reported by PPCB / DRDP</b>
1.	Mobile & web-based application for end to end reporting and action taken for each fire incident.	Android mobile application is running successfully and the iOS based mobile application has also been developed.

2.	Recovery of Environmental Compensation being imposed on Farmers indulging in the burning of crop residue and/ or operating harvester combines without Super SMS	EC is imposed by the Cluster Officer and recovery of EC is carried out by Patwari. The recovered amount is being deposited in the separate account being maintained by Regional Offices of PPCB.
3.	PPCB may coordinate with respective Deputy Commissioners for formulation of District Level & Sub Division Level Monitoring Committees, and appointment of Village Nodal Officers and Cluster Officers.	Sub-Divisional Level teams have been constituted. Information regarding stubble burning is sent through SMS based alert system for taking action.
4.	DRDP to intimate the progress for identification of vacant common village land for storage of paddy straw.	DRDP to brief on the matter

➤ Review Progress of Paddy Straw Management Plan- Awareness & Enforcement Measures

Sr. No	Activity	Progress Reported by Department of Agriculture
1.	The various stakeholder Departments such as Department of Agriculture, DRDP, PPCB etc. may inform the steps planned for carrying out wide publicity through print and electronic media to educate the farmers to stop the burning of paddy straw.	<p>(i) 1015 Training-cum-Awareness events organized from 15<sup>th</sup> March – 30<sup>th</sup> April 2021.</p> <p>(ii) 50 success stories have been provided to DIPR to create awareness through mass and social media.</p>
2.	Monitoring the progress of physical targets given in the Action Plan at field level with the stakeholder Departments and enforcement measures at District Level.	<p>(i) The Department of Environment vide DO letter dated 17.05.21 &amp; 20.05.21 requested all the DCs:</p> <p>a. To review the progress of physical targets on monthly basis w.e.f. May, 21.</p> <p>b. To provide the login IDs of various officials to ensure smooth functioning of web based mobile application and to impart training.</p>

## Agenda No. 14.2

**Reference: NGT order dated 29.01.2021 in OA No. 360/2018**

- NGT Monitoring Committee in the proceedings of the meeting held on 30.03.2021 requested the State to submit revised District Environment Plans (DEPs) of Ludhiana & Jalandhar by 30.04.2021 and for the remaining Districts by 31.05.2021.
- Further, NGT Monitoring Committee vide letter dated 10.05.2021 requested SSTE to submit the Plans of Ludhiana & Jalandhar within week time.

### Progress

<b>Description</b>	<b>Decision of 13<sup>th</sup>meeting /27.04.21</b>	<b>Progress as on 14<sup>th</sup>meeting</b>
Preparation and Submission of DEPs	MS, PPCB informed that DEPs of Ludhiana & Jalandhar are to be submitted to NGT Monitoring Committee by 30.04.21 and for the remaining Districts by 31.05.21.	PPCB reported that DEPs of Ludhiana and Jalandhar are to be submitted to NGT Monitoring Committee by 31.05.21 and for the remaining Districts by 15.06.21.

### **Agenda No. 14.3**

**Reference: NGT order dated 26.11.2019 in OA No. 673/2018 & NGT order dated 21.05.2020 in OA No. 593/2017**

- 163 ULBs to have 243 sewer carrying outlets in Punjab by 30.06.2020.
- NGT has directed that each final outlet of each ULB should have at least in-situ remediation process/ commencement of setting up STP by 30.06.2020 & have functional STPs by 30.06.2021, failing which the concerned departments will be liable to pay compensation @ Rs.5 lakhs/month/drain for in-situ remediation, @ Rs. 5 lakhs/month/STP for default in commencement and @Rs. 10 lakhs/month/STP for default in commissioning of STPs.
- The concerned Departments (mainly Local Govt.) has decided to have 243 STPs and 34 in-situ remediation process in 163 ULBs. The in-situ remediation planned in those ULBs where there is no sewer network and STPs for these ULBs have been taken care of in 243 STPs and may take time.
- The Committee in the last meeting held on 27.04.21 directed Department of Local Government to inform the way forward to start the work of in-situ remediation in 24 ULBs and expedite the approval of DPRs and award of tenders for setting up of STPs.

### Progress of Agenda No. 14.3

S.No.	Stage	Progress as on 13 <sup>th</sup> meeting/27.04.21	Progress as on 14 <sup>th</sup> meeting
		No. of STPs	No. of STPs
1.	Fully Functional	123 STPs	123 STPs
2.	Under Construction (upgradation)	3 STPs	3 STPs
3.	Under Construction (New)	41 STPs	44 STPs
4.	Tender Stage (Upgradation)	3 STPs	3 STPs
5.	Tender Stage (New)	36 STPs	33 STPs
6.	DPR Stage (Upgradation)	6 STPs	6 STPs
7.	DPR Stage (New)	43 STPs	43 STPs
<b>Total (S.No. 1 +3+5+7)</b>		<b>243 STPs</b>	<b>243 STPs</b>

S.No.	In-situ remediation	Progress as on 13 <sup>th</sup> meeting/27.04.21	Progress as on 14 <sup>th</sup> meeting
		1.	Functional
2.	Under Progress	8	9
3.	Non-functional	24	23
<b>Total</b>		<b>34</b>	<b>34</b>

### Remarks related to Agenda No. 14.3

- Qua Progress of STPs given in previous page
  - 25 STPs will become functional by 31.03.2022
  - 51 STPs will become functional by 31.03.2023
  - 44 STPs will become functional by 31.12.2023
  
- Department of Local Govt. submitted application in NGT on 16.07.20 for seeking grant of extension in timelines. NGT vide order dated 17.09.20 rejected the request and directed NGT appointed Monitoring Committee under Justice Jasbir Singh to look into the matter and submit its independent report.

### Action desired w.r.t Agenda No. 14.3

- 23 ULBs where in-situ remediation has not started, there process must be started
- Since Justice Jasbir Singh Committee has been dissolved, Deptt. of Local Govt. should either approach Hon'ble NGT/SC for approval of revised timelines **OR** deposit Environmental Compensation @ **Rs.93.22 Cr** (Rs. 48.15 Cr for in-situ remediation and Rs. 45.07 Cr for Non-commencement of STPs) for the period from 01.07.20 to 31.03.21 in compliance of NGT order dated 06.12.19 in OA No. 673/2018, as informed by PPCB.

## Agenda No. 14.4

**Reference:** Item in review meeting of Secretary, Ministry of Jal Shakti GoI- Complying of existing STPs with laid norms.

- PPCB regularly monitors the existing STPs for compliance of laid norms. The results are as below:

### Progress

S. No	Deptt.	Status of Existing STPs as on 13 <sup>th</sup> meeting/27.4.21					Status of Existing STPs as on 14 <sup>th</sup> meeting				
		STPs monitored	STPs failed	Reason of Failure			STPs monitored	STPs failed	Reason of Failure		
				F.Coli more	BOD more	BOD & F.Coli more			F.Coli more	BOD more	BOD & F.Coli more
1.	DLG	76	34	24	-	10	79	36	25	-	11
2.	DWSS	2	2	-	-	2	3	2	-	-	2
3.	PSIEC	2	1	-	-	1	2	1	-	-	1
4.	PUDA	1	-	-	-	-	1	-	-	-	-
5.	GMADA	3	-	-	-	-	3	-	-	-	-
6.	GLADA	4	2	1	-	1	4	2	1	-	1
7.	BBMB	2	-	-	-	-	2	1	1	-	-
8.	MES	11	3	-	3	-	10	-	-	-	-
<b>Total</b>		<b>101</b>	<b>42</b>	<b>25</b>	<b>3</b>	<b>14</b>	<b>104</b>	<b>42</b>	<b>27</b>	<b>0</b>	<b>15</b>

- F.Coli must be less than 1000 MPN/100 ML & BOD must be less than 30 mg/ltr.



## Agenda No. 14.5

**Reference: Item in review meeting of Secretary, Ministry of Jal Shakti, GoI- Regarding construction of CETPs**

- Setting up of 2 new CETPs for Textile Dying Units at Ludhiana

### Progress

S.No.	Name of CETP	Progress as on 13 <sup>th</sup> meeting/27.04.21		Progress as on 14 <sup>th</sup> meeting
		% completed	Likely date of installation	
1.	40 MLD Focal Point, Ludhiana	600 KW power connection released by PSPCL against total of 1466 KW & remaining by 30.06.2021	30.06.2021	Electric connection to be released by PSPCL  SPV of CETP demanded Rs. 37 lacs + GST from DLG for damaging their 300 m conveyance line during laying of pipes for upcoming 225 mld STP at Jamalpur.
2.	50 MLD Tajpur Road, Ludhiana	88 %	30.06.2021	93% work completed  EC of Rs. 30,000/day imposed by PPCB on SPV of CETP w.e.f. 01.02.2020

## Agenda No. 14.6

Reference: Item in review meeting of Secretary, Ministry of Jal Shakti, GoI- Regarding Monitoring of Existing CETPs

➤ 3 CETPs monitored in state of Punjab

S.No.	Name of CETP	Progress as on 13 <sup>th</sup> meeting/27.04.21	Progress as on 14 <sup>th</sup> meeting
		Status	Status
1.	0.5 MLD for Electroplating units, Ludhiana	Compliant	Compliant
2.	0.035MLD for vegetable tanning units, Phillaur	Compliant	Compliant
3.	*15 MLD for Bahadurke Textile units, Ludhiana	Non- Compliant	Non-Compliant

**\*Non-Compliant since May,20**

### Action taken by PPCB

➤ Show Cause Notice issued to SPV of 15 MLD CETP on 17.05.21 for imposing Environmental Compensation

## Agenda No. 14.7

**Reference: Item in review meeting of Secretary, Ministry of Jal Shakti, GoI- Regarding Monitoring of Existing ETPs**

- Total 509 ETPs (Sutlej -444, Beas -17 and Ghaggar -48)
- 10% ETPs monitored every month by PPCB

### Progress

Progress as on 13 <sup>th</sup> meeting/27.04.21		Progress as on 14 <sup>th</sup> meeting	
No. of ETPs monitored	% Non-Compliance	No. of ETPs monitored	% Non-Compliance
57	18%	46	17%

- PPCB initiated action against the non-complying industries.

## **Agenda No. 14.8**

**Reference: Item in Review meeting of Secretary, Ministry of Jal Shakti, GoI- Management of Dairy Waste**

### **Progress**

#### **➤ Shifting of Dairies of Ludhiana outside MC limits**

- 400-acre land identified at village Gorsian Kadar Baksh for shifting of dairies
- Bio gas plant earlier proposed for Tajpur dairy complex, now to be installed, on new site as per allocation

#### **➤ Setting up of ETPs at Tajpur Road & Haibowal Dairy Complex, Ludhiana**

- High-Power Task Force under the chairmanship of Satguru Uday Singh Ji on 01.08.20 decided that setting up of ETPs may be kept flexible in view of shifting of dairies

#### **➤ Setting up Biogas Plant and ETP for Jamsher Dairy Complex**

- PEDDA Comments sought on DPR, for setting up of 1 MW biogas plant by 30.11.23.
- Work for 2.25 MLD ETP to be awarded by 30.06.21 to complete it by 30.08.22.

## Agenda No. 14.9

Reference: NGT Order dated 10.05.2019 & 18.11.2020 in O.A. No.325/2015- Action Plan for Rejuvenation of Ponds

### Progress

Deptt.	Total No. of Ponds	Progress as on 13 <sup>th</sup> meeting/27.04.21		Progress as on 14 <sup>th</sup> meeting	
		Completed	Under Progress	Completed	Under Progress
DRDP	15,466	223	829	269	776
DLG	249	18	78	18	78

## Agenda No. 14.10

**Reference: NGT Order dated 21.05.2020 in O.A. No. 593/2017- Action Plan for Reuse of Treated Wastewater of STPs**

➤ Timelines as per Action Plan:

S.No.	Deptt.	Quantity to be Reused (MLD)	Purpose	Timelines
1	DSWC	1519.3 MLD	Irrigation	31.10.25
2	DLG	52 MLD	Urban Landscaping, Green Belts, Sprinkling in dust control & Fire Brigade	31.12.23
3	PPCB	1.5 MLD	Industrial use for cooling purpose in rolling & induction furnaces and for use in Agro based paper mills	31.03.22

➤ As per the decision of last meeting of SAC held on 27.04.21, SSTE has taken meeting with stakeholder Departments on 20.05.21 to review the progress.

## Progress of Agenda No. 14.10

Deptt.	Progress as on 13 <sup>th</sup> meeting/27.04.21		Progress as on 14 <sup>th</sup> meeting	
	Completed	Under Progress	Completed	Targets (2021-22)
DSWC	49 STPs (253.3 MLD)	2 STPs (8.5 MLD)	49 STPs (253.3 MLD)	3 STPs (37.5 MLD) - to be completed by 30.06.21 5 STPs (73 MLD) – to be completed by 31.12.21.
	<ul style="list-style-type: none"> <li>- Rs.14.72 Cr sanctioned by NABARD for utilization of Treated Wastewater of 23 STPs for irrigation. Funds for 5 STPs released.</li> <li>- DSWC submitted Comprehensive scheme of Rs.50 Cr for utilization of TWW of 5 STPs to NABARD</li> </ul>			
DLG	75 KL of Treated Wastewater daily used for water sprinkling of around 200 km of road length to control dust emissions.			
PPCB	Yet to initiate action			

## **Agenda No. 14.11**

**Reference: Item in review meeting of Secretary, Ministry of Jal Shakti, GoI – Release of 200 cusec of water from Sirhind Canal into Budha Nallah**

### **Progress**

- The Department informed that 60% of the work has been completed and the remaining is likely to be completed by 30.06.21.



## Agenda No. 14.12

**Reference: NGT vide Order dated 14.11.2018 IN O.A. 916/2018 directed the State to pay Rs. 50 Cr. to CPCB within one month for being spent on restoration of environment.**

<b>Sr. No.</b>	<b>Decision of 13<sup>th</sup> Meeting /27.04.21</b>	<b>Progress as on 14<sup>th</sup> Meeting</b>
1.	The Committee desired that Secretary, STE may take up the matter with Chairman, CPCB for approval of Restoration Plan.	The Secretary, STE has taken up the matter with Chairman, CPCB vide D.O. letter dated 23.04.21 for approval of the Restoration Plan for the State of Punjab.

## Agenda No. 14.13

**Reference: NGT order dated 10.01.2020 & 17.09.2020 in OA No. 606/2018**

- Compliance of Rule 22 of Solid Waste Management Rules, 2016, failing which compensation w.e.f 01.07.2020 till compliance @ Rs. 10 lacs per month per local body for population above 10 lacs, Rs. 5 lacs per month per local body for population between 5 -10 lac and Rs. 1 lac per month per other local body.

### Progress of Agenda No. 14.13

S. No.	Activity	Unit	Target	Timelines given by Deptt.	Progress as on 13 <sup>th</sup> meeting /27.04.21	Progress as on 14 <sup>th</sup> meeting
1	Door to Door collection of Waste	% coverage HHs/Shops	100 %	31.03.21	99.25 %	99.25%
2	Segregation of Waste at Source	% coverage HHs/Shops	100 %	30.06.21	89 %	89.50%
3	Setting-up of Material Recovery Facility	No. of MRFs	305	30.09.21	84.9% (259/305)	84.9% (259/305)
4	Setting-up of Aerobic Composting Pits	No. of Compost Pits	8753	30.06.21	88.3% (7729/8753)	90.2% (7899/8753)

5	Setting-up Sanitary Landfill Sites	No. of SLFs	135	31.03.22	11% (15/135)	13.3% (18/135)
6	Setting-up of Waste to Energy Facilities	No. of Facilities	3	31.03.22	33.3% (1/3)	33.3% (1/3)
7	Compliance by Bulk Waste Generators	%	395	30.06.21	63% (249/395)	62% (245/395)
8	Bio-remediation of Old Dump Sites	No. of ULBs	143	31.03.23	Work initiated in 94 ULBs	Work initiated in 104 ULBs
9	Setting-up of processing facility for C&D Waste	No. of facilities	135	30.09.22	65% (88/135)	70.3% (95/135)

- Deptt. of Local Govt. was requested by PPCB to deposit Environmental Compensation of **Rs. 17.01 Cr** for non-compliance of SWM Rules, 2017 and **Rs. 17.01 Cr** for failure to execute the work of Bio-remediation of legacy waste sites in line with the direction of Hon'ble NGT.

## Agenda No. 14.14

Reference: Letter from Secretary, MoEF&CC, GOI to Chief Secretary, Punjab.

Sr. No.	Decision of 13 <sup>th</sup> Meeting /27.04.21	Progress as on 14 <sup>th</sup> Meeting
1.	The State Level Special Task Force (State Apex Committee) constituted vide order dated 14.11.18 & District Environment Committee notified vide letter dated 31.10.19 shall also assign the responsibility to monitor the progress for elimination of Single Use Plastic and implementation of Plastic Waste Management Rules, 2016. Department of Environment may issue the necessary orders in this regard.	Department of Environment issued the amended orders on 18.05.2021.
2.	Action Plan for management of Plastic Waste shall be forwarded to Department of Local Government (DLG) and Department of Rural Development & Panchayats (DRDP) for verifying the existing data and to make the necessary changes in the Action Plan as per MoEF&CC guidelines.	Action Plan forwarded to DLG & DRDP on 11.05.21 for making necessary changes. The Action Plan to be updated by the respective Departments by 30.06.21.

## Agenda No. 14.15

**Reference: NGT order dated 21.08.2020 in OA No. 681/2018**

- NGT vide above said order issued number of directions with timelines mainly for setting up of Ambient Air Quality Monitoring Stations and carrying capacity & source apportionment studies within 6 months, setting up of Public Grievance Redressal Portal within 3 months, control of noise pollution etc.

### Progress

<b>S. No.</b>	<b>Description</b>	<b>Progress as on 14<sup>th</sup> Meeting</b>
1.	Procurement of 10 No. CAAQMS & 3 No. Manual Monitoring Stations	Technical & Financial Evaluation to be completed by 15.07.21. Order to be placed by 31.07.21 and installation to be completed by 31.12.21.
2.	Carrying Capacity and Source Apportionment Studies of 7 non-attainment cities	Draft Report of Khanna and Jalandhar received. Draft PPT received for MGG, Dera Baba Nanak & Patiala. The studies for all these cities to be completed by 30.06.21.

3.	Development of android based mobile application for receiving public complaints	To be made functional by 30.06.21
4.	Hiring of Agency for Noise Mapping	Agency to be hired by 30.05.21 and mapping to be completed by 30.09.21
5.	Procurement of 20 No. Noise Level Meters	Order to be placed by 15.06.21 and the Noise Level Meters to be procured by 31.07.21.

## Agenda No. 14.16

Reference: Item in the review Meeting of CS held on 27.04.21

➤ Air Pollution Control in Major Industrial Towns

### Progress

S. No.	Activity	Target	Progress as on 13 <sup>th</sup> Mtg./27.4.21	Progress as on 14 <sup>th</sup> Mtg.
1	Conversion to Side Hood Suction in Induction Furnaces	118 No.	113	114
2	Industries to be converted from coal to CNG	683 No.	50	57
3	Conversion of Natural Draft Brick Kilns to Induced Draft Brick Kilns	64 No.	54	55