



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph. 0172-2577870-73
E-mail:hspcbho@gmail.com

No. HSPCB/WC/ 3177-3184
To

Dated:- 31-08-2020

1. The Additional Chief Secretary, Environment Department, Govt. of Haryana, Chandigarh.
2. The Additional Chief Secretary, Agriculture Department, Govt. of Haryana, Chandigarh.
3. The Additional Chief Secretary, Health and Family Welfare, Govt. of Haryana, Chandigarh.
4. The Additional Chief Secretary, Public Health Engineering Department, Govt. of Haryana, Chandigarh.
5. The Additional Chief Secretary, Irrigation Department, Govt. of Haryana, Chandigarh.
6. The Additional Chief Secretary, Urban Local Bodies Department, Govt. of Haryana Chandigarh.
7. The Additional Chief Secretary, Development & Panchayat Department, Govt. of Haryana, Chandigarh.
8. The Additional Chief Secretary, Town & Country Planning Department Govt. of Haryana, Chandigarh.

Sub: Minutes of 18th meeting with State Level Officers of State of Punjab and Haryana on 19.8.2020 at 10.00 AM and State of Himachal Pradesh and UT, Chandigarh at 2.30 (through video conferencing) on the same date held under the Chairmanship of Justice Pritam Pal, Former Judge of Punjab and Haryana High Court and now as Chairman of the Executing Committee (constituted by Hon'ble NGT in OA No. 138/139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar River and Yogendera Kumar w.r.t. control of pollution in river Ghaggar.

Sir,

Kindly refer to the subject noted above.

In this connection, I have been directed to enclose herewith the copy of minutes of the 18th meeting with State Level Officers of State of Punjab and Haryana on 19.8.2020 at 10.00 AM and State of Himachal Pradesh and UT, Chandigarh at 2.30 (through video conferencing) on the same date held under the Chairmanship of Justice Pritam Pal, Former Judge of Punjab and Haryana High Court and now as Chairman of the Executing Committee (constituted by Hon'ble NGT in OA No. 138/139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar River and Yogendera Kumar w.r.t. control of pollution in river Ghaggar for information and necessary action please.

DA/As above

[Signature]
Sr. Env. Engineer (HQ)
For Member Secretary
Dated:- 31-08-2020 *[Signature]*

Endst No. HSPCB/WC/ 3185-3187

A copy of above is forwarded to the following for information and further necessary action please:

1. Branch Incharge Dealing Consent Management of Panchkula, Ambala, Kurukshetra, Kaithal and Hisar.
2. Scientific Services Cell, HSPCB.

DA/As above

[Signature]
Sr. Env. Engineer (HQ)
For Member Secretary *[Signature]*

OFFICE OF THE EXECUTING COMMITTEE

Constituted by the Hon'ble National Green Tribunal in Original
Application no.138 and 139 of 2016 and OA No.606 of 2018

(Official Address: Tower No.5, 4th Floor, Forest Complex,

Sector 68, SAS Nagar) Tel. No. 0172-2298091

Email: cecghaggar@gmail.com

To

1. The Member Secretary,
Punjab Pollution Control Board,
Patiala.
2. The Member Secretary,
Haryana State Pollution Control Board,
Panchkula.
3. The Member Secretary,
Himachal Pradesh Pollution Control Board,
Shimla.
4. The Member Secretary,
Chandigarh Pollution Control Committee,
Chandigarh.

No. CEC/2020/1028-1031

Dated: 21.8.2020

Subject: Minutes of 18th meeting with State Level Officers of State of Punjab and Haryana on 19.8.2020 at 10.00 AM and State of Himachal Pradesh and UT, Chandigarh at 2.30 (through video conferencing) on the same date held under the Chairmanship of Justice Pritam Pal, Former Judge of Punjab and Haryana High Court and now as Chairman of the Executing Committee (constituted by Hon'ble NGT in OA No. 138/139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar River and Yogendera Kumar w.r.t. control of pollution in river Ghaggar

Please find enclosed herewith minutes of 18th meeting with State Level Officers of State of Punjab and Haryana on 19.8.2020 at 10.00 AM and State of Himachal Pradesh and UT, Chandigarh at 2.30 (through video conferencing) on the same date held under the Chairmanship of Justice Pritam Pal, Former Judge of Punjab and Haryana High Court and now as Chairman of the Executing Committee (constituted by Hon'ble NGT in OA No. 138/139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar River and Yogendera Kumar w.r.t. control of pollution in river Ghaggar

It is requested that these minutes may be conveyed under your signatures to all the concerned officers of your State under intimation to this office to take further action on the directions given in the said meeting.

DA/As above.


(Dr. Babu Ram)
Technical Expert,
Executing Committee

Minutes of 18th meeting with State Level Officers of State of Punjab and Haryana on 19.8.2020 at 10.00 AM and State of Himachal Pradesh and UT, Chandigarh at 2.30 (through video conferencing) on the same date held under the Chairmanship of Justice Pritam Pal, Former Judge of Punjab and Haryana High Court and now as Chairman of the Executing Committee (constituted by Hon'ble NGT in OA No. 138/139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar River and Yogendera Kumar w.r.t. control of pollution in river Ghaggar

Meeting with officers of State of Punjab & Haryana at 10.00 AM

The following were present during meeting

a) **Members of the Executing Committee**

Sr. No.	Name and Designation in the Deptt.	Name & Designation in the Committee
1.	Justice Pritam Pal, Former Judge, Punjab and Haryana High Court	Chairman
2.	Ms. Urvashi Gulati, IAS, former Chief Secretary, Haryana	Member
3.	Dr. Babu Ram, former Member Secretary, PPCB	Technical Expert

The lists of the other officers, present in the meetings, are as per Annexure-1 and Annexure -2.

At the outset of the meeting, while giving introduction about river Ghaggar, its pollution sources and control measures taken by the various departments of State of Punjab, Haryana, Himachal Pradesh and U.T. Chandigarh, it was noted that river Ghaggar originates in village Dagsai in Shivalik hills of Himachal Pradesh at an elevation of 1927 meters above mean sea level and flows through Punjab and Haryana States and enters into Rajasthan just south west of Sirsa (Haryana) and by the side of Talwara lake in Rajasthan. From Ottu Barrage near Sirsa, two irrigation canals originates from river Ghaggar which lead to Rajasthan.

After its origination in Himachal Pradesh, it carries domestic effluent of Parwanoo and Kala Amb through Sukhna Nallah and Markanda River, respectively. Further while passing about 7 km away from Chandigarh, it carries wastewater of Chandigarh area through Sukhna Choe and N-Choe. Further after entering into the State of Haryana, it carries sewage of 27 towns and major towns of Haryana located on river Ghaggar are Panchkula, Ambala, Kurukshetra, Karnal, Sirsa, Hisar, Jind. From the State of Haryana, it enters Punjab near Mubarakpur, District SAS Nagar and passes through the District SAS Nagar, Patiala, Sangrur, Mansa and carries domestic effluent of 30 towns, through 13 primary and 29 secondary drains.

Therefore, the State of Punjab, Haryana, Himachal Pradesh and UT Chandigarh have submitted their Action Plan to control pollution in river Ghaggar. Based on the identified pollution sources and steps to be taken to install sewage treatment plants for the towns located on catchment area and control measures to be taken for other pollution sources, the Executing Committee is continuously interacting with the States and UT Chandigarh and holding regular meetings with the State level officers and have also made field visits to the pollution sources and control mechanisms provided by the States. Since river Ghaggar carries wastewater of all the three

States (Punjab, Himachal Pradesh and Haryana) and UT Chandigarh, therefore, in order to assess the action on the various activities, which are common for the States, a joint meeting has been scheduled to be held on 19.8.2020.

It was further apprised by the Chairman of the Executing Committee that Hon'ble National Green Tribunal, in various cases connected to the matter, has passed the detailed orders, which are briefly mentioned as under:

- 1) Hon'ble National Green Tribunal vide order dated 10.01.2020 in OA No.606 of 2018 in the matter of compliance of Solid Waste Management Rules, 2016 in Para No.36 has directed that most of the statutory timelines have expired and directions of Hon'ble Supreme Court and the Tribunal to comply Solid Waste Management rules, 2016 remain unexecuted and accordingly, compensation scale is laid down for continued failure after 31.03.2020. The compliance of the rules requires taking of several steps mentioned in Rule 22 (S. No.1 to 10). Any such continued failure will result into liability of every Local Body to pay compensation at the rate of Rs. 10 lakh per month per Local Body for population of above 10 lakh, Rs. 5 Lakh per month per Local Body for population between 5 lakh and 10 lakh and Rs. 1 lakh per other Local Bodies from 1.04.2020 till compliance. If the Local Body is unable to bear financial burden, the liability will of the State Govt. with liberty to take remedial action against erring Local bodies. Apart from compensation, adverse entries must be made in the ACRs of the CEO of the said Local Bodies and other senior functionaries in Department of Urban Development etc. who are responsible for compliance of order of this Tribunal. The Hon'ble Tribunal has also directed in para No 31 (ii) that the date of commencement of setting up of STPs is 31.3.2020, failing which compensation amounting to Rs 5 lakh/month/STP by the concerned local bodies/States in terms of order dated 28.8.2019 in OA No. 593/2017 and 6.12.2019 in OA No. 673/2018 w.e.f 1.4.2020 shall be imposed.
- 2) The Hon'ble National Green Tribunal in its order dated 6.12.2019 in OA No. 673 of 2018 (mentioned in order dated 6.12.2019 uploaded on 12.12.2019 in OA No. 916 of 2018) had issued direction that 100% treatment of sewage may be ensured as directed by the Tribunal vide order dated 28.08.2019 in O.A No. 593/2017 by 31.03.2020 at least to the extent of in-situ remediation and before the said date, commencement of setting up of STPs and the work of connecting all the drains and other sources of generation of sewage to the STPs must be ensured. If this is not done, the local bodies and the concerned departments of States/UT's will be liable to pay compensation as directed vide order dated 22.08.2019 in case of river Ganga i.e. Rs. 5 lakh per month per drain for default in in-situ remediation and Rs. 5 lakh per STP for default in commencement of setting up of the STP. The timeline for completing all steps of action plans including completion of setting up STPs and their commissioning till 31.03.2021 in terms of order dated 08.04.2019 in the present case will remain as already directed.
- 3) The Hon'ble Tribunal vide its order dated 21.05.2020 in OA No. 593 of 2017 at Para 8 [47(i) &ii)] has directed as under.
 - i. 100% treatment of sewage may be ensured as directed by this Tribunal vide order dated 28.08.2019 in O.A. No. 593/2017 by 31.03.2020 at least to the extent of in-situ remediation and before the said date, commencement of setting up of STPs

and the work of connecting all the drains and other sources of generation of sewage to the STPs must be ensured. If this is not done, the local bodies and the concerned departments of the States/UTs will be liable to pay compensation as already directed vide order dated 22.08.2019 in the case of river Ganga i.e. Rs. 5 lakhs per month per drain, for default in in-situ remediation and Rs. 5 lakhs per STP for default in commencement of setting up of the STP

- ii. Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning till 31.03.2021 in terms of order dated 08.04.2019 in the present case will remain as already directed. In default, compensation will be liable to be paid at the scale laid down in the order of this Tribunal dated 22.08.2019 in the case of river Ganga i.e. Rs. 10 lakhs per month per STP.

Further, in para 13 of order dated 21.05.2020 in OA No. 593 of 2017, the Hon'ble Tribunal has directed that as regards non-compliant STPs, further action may be completed by the State PCBs/PCCs and it may be ensured that there is 100% treatment of sewage and till STPs are set up, at least in-situ remediation takes place. However, on account of Corona pandemic which has affected several on-going activities, the timeline of levy of compensation in terms of order dated 28.08.2019 in O.A. No. 593/2017 read with order dated 06.12.2019 in O.A. No. 673/2018, of 01.04.2020 may be read as 01.07.2020 and 01.04.2021 may be read as 01.07.2021. Further reports may be taken by the CPCB from all the State PCBs/PCCs as per the system evolved by the CPCB from time to time.

- 4) The Chairman of the Executive Committee also apprised about order dated 1.6.2020 in OA No. 325 of 2015 in the matter of Lt. Col. Sarvadaman Singh Oberoi vs Union of India &Ors, wherein, the Hon'ble Tribunal has directed in para No.6 that harvesting surplus water during excessive rains from any areas of catchment needs to be optimized by enhancing the capacity of the existing ponds/water bodies, creation of water harvesting structures in the sub-watersheds to the extent possible, apart from setting up of additional water bodies/water harvesting structures wherever viable, utilizing available funds including under MGNREGA and involving the community at large at every level. Gram Panchayats can certainly play a significant role in the matter. Once adequate capacity enhancement of water bodies takes place, excess flood/rain water can be channelized by using appropriate water harvesting techniques. This action needs to be coordinated by the District Magistrates in coordination with the Department of Irrigation and Flood Control or other concerned Departments such as Department of Rural Development/Urban Development/Local Bodies/Forests/Revenue etc. The District Magistrate may as far as possible hold a meeting of all the stakeholders for the purpose as per the District Environment Plan or Watershed Plan within one month from today. The District Magistrates may also ensure that as far as possible at least one pond/water body must be restored in every village, apart from creation of any new pond/water body.
- 5) The Hon'ble National Green Tribunal in OA No 138 of 2016 and 139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar River and Yogendera Kumar has

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considered the 5th report of the Executing Committee on 15.5.2020 and passed the detailed order, the concluding Para No.15 of the said order is reproduced as under:

In view of the above, we direct that the directions already issued by this Tribunal in O.A. No. 673/2018, 606/2018, 148/2016, O.A.No. 325/2015 and 593/2017 and the recommendations of the Committee may be complied with. The Compliance Status may be verified by the Executing Committee and the next report may be furnished by 30.09.2020 by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF. Simultaneously copy of the report be furnished to the Chief Secretaries/ PCBs and PCCs of the States of Punjab, Haryana, Himachal Pradesh and UT Chandigarh who may give their response within two weeks thereafter.

The case has been listed for further consideration on 28.10.2020.

Thereafter the agenda of the meeting was taken up for discussion as under.

a) State of Punjab

1. Water quality of river Ghaggar

PPCB submitted that water quality of river Ghaggar is monitored at 14 locations and water quality has been found improved w.r.t DO, BOD and F.coli parameters at 12 locations. The Monitoring has also been carried out at the point sources and the results are awaited.

The Executing Committee informed that the monitoring carried out by HSPCB indicate that point sources (Jharmal Choe,,Basouli Choe, Patiala Nadi, Pachis Dara drain, DeraBassi drain, Moonak town outlet, Chambowali Choe and Sardulgarh town outlet), falling in Punjab area, contain high level of BOD ranging between 30- 56 mg/l. However, the value of F.Coli parameter has been found much higher (13000 MPN/100 ml– 56000 MPN/100ml).

After detailed discussion, the Chairman of the Executing Committee directed as under.

PPCB shall carry out monitoring of point sources falling into river Ghaggar within 15 days. The responsible agencies contributing high values of BOD may also be identified and these agencies be directed to take time bound action to bring down the values of organic parameters within the norms. The responsible agencies for contributing high levels of parameters at Jharmal Nadi and Sardulgarh may also be indentified and action may be taken as per the provisions of Water Act, 1974.

2. Status of laying of sewerage network in the towns and interception of sewage

It was submitted that more than 50% sewerage system has been laid in all the 30 towns except Bassi Pathana (42%), Bhadson (0%), Boha (0%), Lalru (23%) and Sanaur (0%).

The Chairman of the Executing Committee directed that sewerage system in all the towns shall be completed simultaneously along with the completion of STPs by 31.3.2021.

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3. Performance of Existing STPs

It was apprised that all the 21 existing STPs are monitored on monthly basis and during the performance carried out in the month of July, 2020, 4 STPs were found non compliant and PPCB has taken action these defaulting STPs.

After detailed discussion, it was directed that PPCB shall again collect the treated sewage samples of the 4 non compliant STPs along with sampling of all the remaining STPs in the Month of September, 2020 and in case these 04 STPs are again found non compliant, legal action under the provisions of Water Act, 1974 may be taken.

4. STP under construction

The Executing Committee was informed that 10 STPs of capacity 42.5 MLD are under construction but the percentage of work done is very low (0-27%) except Boha town where 52% of construction work has been completed.

The Chairman of the Executing Committee directed that all the 10 STPs shall be completed by 30.6.2021.

5. STPs under planning

PWSSB submitted that out of 12 STPs for 8 towns of capacity of 34 MLD, which are under planning, 05 STPs are at tendering stage, 06 are at DNIT stage and for 01 STP, DPR is under preparation. It was further submitted that these STPs are of small capacity and Nano bubble technology shall be installed under the guidance of IIT Ropar and the department is quite hopeful that with the installation of said technology, the prescribed standards for parameters shall be achieved.

After discussion on the issue, it was directed that PWSSB shall compete 12 STPs of capacity 34 MLD for 08 towns by 30.6.2021 and shall achieve the prescribed standards for the parameters.

6. Status of STPs where land issues are to resolved

There are 05 STPs for 5 towns of capacity 21.7 MLD, where land issues are yet to be resolved for which concerned Deputy Commissioners are in the process of acquiring the land.

The Chairman of the Executing Committee directed that land for these STPs shall be arranged within 02 months and STPs shall be completed by 30.6.2021.

7. Status of STPs required technological up gradation and capacity enhancement

03 STPs based on old technology (WSP) have been proposed to be upgraded for which presently no funds have been tied up. However, the department has proposed to upgrade these STPs by providing Nano Bubble technologies along with other infrastructure under the guidance of IIT, Ropar and the said upgradation shall be made by 31.03.2021.

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With regard to capacity enhancement of 46 MLD STP at Patiala to 61 MLD, presently 75% of enhancement work has been completed and the capacity is likely to be enhanced by 31.01.2021.

For 6 MLD STP for Patiala by MES Authority, work has been allotted, whereas for 1 MLD STP at Nabha, tender work has been started and shall be concluded by 30.09.2020.

After detailed discussion, the Chairman of the Executing Committee directed as under:

- 1) PWSSB shall upgrade 3 old technology based existing STPs (Bareta: 3 MLD, Bhikhi: 3 MLD and Sardulgarh: 4 MLD) by 31.03.2021 and shall ensure that these STPs should meet with the prescribed standards.**
- 2) PWSSB shall complete the enhancement work of STP Patiala of capacity 46 MLD to 61 MLD by 31.01.2021.**
- 3) PPCB shall issue necessary directions to MES authorities to complete 6 MLD STP for Patiala and 1 MLD STP for Nabha by 31.03.2021.**

8. Gap in treatment of sewage

It was submitted that waste water generation and capacity of STP installed for 30 towns have been assessed and it has been observed that there is gap of 66.47 MLD, which is to be treated by providing STPs in different towns.

The Chairman of the Executing Committee directed that treatment of sewage to cover the gap shall be completed by 30.06.2021 and PWSSB or any other Executing Agency shall ensure that after 31.03.2021 there shall be no gap in sewage to be treated.

9. Status of ETP, inspection, performance of ETPs and action against the violating industries

It was informed that 48 industries [15 industries of 17 category, 30 Red category and 3 Orange categories] exist in catchment area of river Ghaggar, out of which 15 industries were visited and all these industries were found complaint w.r.t achievement of the standards.

It was directed by the Chairman of the Executing Committee that PPCB shall continue to make surprise inspection of the industries located in the catchment area of river Ghaggar and action against the violating industries may be taken under the provisions of the Water Act, 1974.

10. Status of irrigation schemes to utilize the treated sewage of STPs

The officers of Department of Soil and Water Conservation informed that in order to utilize the treated sewage for irrigation, 10 irrigation schemes have been commissioned, whereas irrigation schemes for 24 towns have been prepared but the funds are yet to be tied up. In case of 4 towns, irrigation schemes are not feasible.

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To utilize the treated sewage of STP of capacity 7 MLD for Rajpura town, irrigation schemes is under progress and shall be completed by 31.12.2020.

For 4 towns [Mandi Gobindgarh: 25 MLD, Patiala: 10 MLD, Dhuri: 5 MLD, Sangrur: 11 MLD] funds have been tied up under RIDF-25 scheme.

After detailed discussion on the issue, it was directed as under:

- 1) Department of Soil and Water Conservation shall take up the matter with Department of Finance for arrangement of funds to lay irrigation network to utilize the treated sewage of 24 towns.**
- 2) Irrigation schemes to utilize 7 MLD treated sewage of Rajpura town shall be completed 31.12.2020.**
- 3) Department of Soil Conservation shall get release funds to lay irrigation network to utilize the treated sewage of STPs of Mandi Gobindgarh: 25 MLD, Patiala: 10 MLD, Dhuri: 5 MLD and Sangrur: 11 MLD.**
- 4) Department of Soil and Water Conservation shall ensure that irrigation schemes for 28 towns shall be completed by 31.03.2021.**

11. Status of installation of STPs for the villages

It was apprised that out of total 389 villages, 87 villages have been covered under phase-1 for treatment of sewage of the villages. However, out of these 87 villages, STPs have been completed in 24 villages and work is under progress in case of 14 villages.

After discussion on the issue, it was directed that treatment facilities to treat the sewage of 87 villages covered under phase-1 shall be completed by 31.12.2020. STP for villages covered under Phase-II and Phase III shall also be completed by 31.03.2021.

12 Ground water quality in the vicinity of river Ghaggar

PPCB submitted that Ground Water Quality of ground water sources located in the catchment area of river Ghaggar has been analyzed for 7 sources, out of which total alkalinity has been found higher than the permissible limits in 1 ground water sample and value of TDS higher than the permissible limits of 2000 mg/l in another ground water sample.

After detail discussion, the Chairman of the Executing Committee directed as under:

- 1) PPCB shall increase the number of locations for collection of ground water samples in proportion to the length of the river Ghaggar in Punjab area and these ground water samples may be collected as per the frequency directed by the Hon'ble NGT.**
- 2) PPCB shall seal the ground water sources of those points where parameters have been found higher than the permissible limits.**



13 Maintaining Environment Flow

It was informed that PPCB has taken up the matter with Department of Water Resources and inability has been shown to maintain environment flow in River Ghaggar being non perennial water body.

After discussion on the issue, it was decided that the Executing Committee shall hold separate meetings with Department of Water Resource, Soil and Water Conservation, PPCB and other concerned departments within 3 weeks for which meeting date shall be conveyed shortly.

14. Management of Septage and Faecal Sludge

The Committee was informed that the State Government has constituted a technical committee for providing various technological options for treatment of waste water of rural areas. The Committee has prepared draft policy covering guidelines for management of septage and fecal sludge.

After discussion on the issue it was directed that PPCB shall supply the copy of the draft guidelines/policy framed by the Technical Committee within 10 days so that Committee may also examine the said policy in view of generation of septage and faecal sludge generated in the rural areas and other unsewered areas.

15. In-Situ Bioremediation in the drains carrying untreated sewage and not connected to STPs

It was submitted as under:

- i. PWSSB has installed in-situ remediation technologies consisting of Facultative Pond followed by constructed wetland system along with plantation in Sirhind Choe to treat 0.5 MLD sewage of Nagar Panchayat Bhadson.
- ii. PPCB has installed in-situ remediation technologies in Bhulana Drain carrying waste water of 27 colonies near village Riwal. This technology consisting of 3 green bridges, Nano Bubble Aeration system, 2 Stage cascade aeration system and Phytoremediation. The analysis data of the in-situ remediation technology carried out by PPCB in the month of June and July indicated that there is reduction of BOD in the range of 12%-65%.
- iii. PPCB shall again carry out the analysis of effluent samples at the inlet and outlet of the in-situ remediation technology set up in Bhulana Drain in the month of September-2020 to assess its effectiveness.

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16. Installation of real time water quality monitoring stations (RTWQMS) in river Ghaggar

PPCB submitted that there is proposal to install 4 Real time Water Quality Monitoring Stations (RTWQMS) in river Ghaggar at the following locations.

- ✓ Bhankarpur near Derabassi

- ✓ Downstream Patiala nadi
- ✓ Downstream Sagarpara drain
- ✓ Sardulgarh

These RTWQMS shall be installed by 31.03.2020 and the Executing Committee noted the progress.

17. Water Shed Management

No work has been done on this activity as informed by the Department of Soil and Water Conservation.

The Executing Committee decided that issue regarding water shed management shall be discussed in the meeting to be held within next 3 weeks on issue of Environmental flow, wherein, where in the Departments namely Water Resources, Soil and water Conservation, PWSSB and PPCB shall be present.

18. Status of Prosecution launched by PPCB

It was informed that no prosecution proceedings have been launched in the month of May, June and July-2020.

The Chairman of the Executing Committee directed that PPCB shall prepare the details of all the cases pending before various Hon'ble Courts at District Level and Hon'ble Punjab and Haryana High Court. The latest status of each case may be prepared and be submitted to the Executing Committee within 15 days.

b) State of Haryana

1. Water quality of River Ghaggar at various locations

It was reported that the water quality of river Ghaggar is being monitored at 4 locations and average value ranges between 3.5 to 110 mg/l. The Executing Committee observed that the water quality data provided by HSPCB indicate that the value of BOD before entering into State of Haryana is 4 mg/l and after meeting with the pollution sources like river Markanda, Cheeka drain, Sagarpara drain, Kaithal drain, discharge of sewage of Ratia town and Ellenabad, Sirsa, the value of BOD has been ranging between 38 mg/l to 60 mg/l. As such, there is need to control these pollution sources so as to improve the water quality of river Ghaggar.

After detailed discussion on the issue, it was directed as under:

Haryana State Pollution Control Board shall identify the pollution sources entering into river Ghaggar which are contributing high value of BOD and data may be prepared and the concerned department be directed to give priority to control the pollution sources contributing high value of BOD and Fecal Coliform. A report in this regard be submitted to the Executing Committee within 21 days

2. Sources of pollution in river Ghaggar and details of the drain carrying sewage/industrial effluent in river Ghaggar

The data provided by Haryana State Pollution Control Board was analyzed by the Executing Committee in the meeting and it was observed that out of 255 points identified as pollution sources entering into main drains and ultimately into river Ghaggar, 153 points relate to Development and Panchayat Department, 78 points to Urban Local Bodies, 5 points to HSVP, 5 points to PHED and remaining 14 points to other department.

The Executing Committee further observed that there is possibility that these points might have covered under STP projects but still there is need to analyze the data w.r.t the points which have been connected to STPs and the points where no action has been taken to divert the points into sewerage system further leading to STPs.

After detailed discussion on the issue, it was directed that Haryana State Pollution Control Board shall analyze the data of 255 disposal points joining to main drains w.r.t following points:


- i. Details of the disposal points carrying treated sewage and quality of treated sewage.**
- ii. Details of disposal points carrying untreated sewage.**
- iii. Details of the points proposed to be connected to sewerage system and further to STPs.**

3. Status of laying of sewerage network in the town and interception of sewage.

It was informed that out of 27 towns located in the catchment area of river Ghaggar, sewerage network is fully completed in 21 towns and in the remaining 7 towns, 300 km sewerage line has been laid against the total length of sewer as 430 km. it has been claimed that the balanced work of sewerage network shall be completed by 31.12.2020.

The Chairman of the Executing Committee directed that complete sewerage network of 430.472 km should be completed in all the remaining 7 towns by 31.12.2020.

4. Diversion/tapping of sewage from 92 locations

 It was informed that 92 locations have been identified from which 183 MLD effluent is generated and in order to divert this effluent to nearby STPs, steps have been taken and accordingly 19.17 MLD effluent has been diverted from 12 locations, whereas, the diversion work of 56.3 MLD effluent from 10 locations is under progress. Further, there is need to divert the remaining 106.98 MLD effluent from 70 locations.

The Executing Committee observed that since 106.98 MLD effluent is still to be diverted from 70 locations, as such, there is gap in treatment of the sewage of 106.98 MLD and the matter needs to be taken up with the concerned departments by Haryana State Pollution Control Board.

After detailed discussion on the issue, it was directed as under:

Haryana State Pollution Control Board shall issue necessary directions to PHED,ULB,HSVP,D&P and HSIIDC or any other concerned department to divert sewage from remaining 70 locations carrying 106.98 MLD effluent and ensure that 106.98 MLD effluent should also be treated in the nearby STPs or installing separate STPs by 30.6.2021.

5. Status of sewage treatment plant install for treatment of the sewage of the towns located on river Ghaggar and their performance

The Executing Committee observed that out of total 59 STPs installed in the catchment area of river Ghaggar, the capacity of which is 514 MLD, 49 STPs belong to PHED, 9 to HSVP and 1 belongs to Garrison engineer, MES. The performance study of these STPs as submitted by Haryana State Pollution Control Board, indicate that all the STPs are meeting with BOD and TSS parameter except F.coli parameter.

The issue was discussed in detail and it was directed that all the concerned departments namely PHED, HSVP and Garrison Engineer, MES shall make adequate arrangement to provide appropriate technology to disinfect F.coliform and ensure that these STPs should also achieve the prescribed standard for F.coli parameter by 31.3.2021.

6. Status of sewage treatment plant which are under construction/ planning

It was submitted that out of total 19 STPs, which were under construction/planning, 6 STPs of capacity 74 MLD have been completed, whereas the construction work of remaining of 30 STPs of capacity 66.5 MLD has been completed with progress varying between 45% to 98% except STPs at 12MLD STP at 12 cross road Ambala, 12 MLD STP at Khuda Khrud Ambala and 7.5 MLD STP at Shapur Machhonda, where insignificant progress i.e 8%, 5% and 2%, respectively, has been achieved.

The Chairman of the Executing Committee directed that all the remaining 10 STPs of capacity 35 MLD should be completed by 31.3.2021. Special efforts should be made to accelerate the construction work of 31.5 MLD STPs at 12 cross road Ambala, Khuda Khrud Ambala and Shapur Machhonda so that these STPs should be complete by 30.6.2021.

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7. Status of sewage treatment plant which are under proposal

The Executing Committee was apprised that 10 STPs of capacity 51.5 MLD are under proposal, out of which 7 STPs of capacity 41.5 MLD belong to HSVP, 2 STPs of capacity 10 MLD belong to ULBs and 01 STP to PHED. The timelines for completion of these STPs have been mentioned between 31.12.2021 to 30.6.2025.

The Executing Committee observed that such a huge quantity of untreated discharge of 51.5 MLD should not be allowed to be discharged, as such, there is need to complete these STPs by 30.6.2021 and accordingly, the Executing

Committee directed that 10 STPs of capacity 51.5 MLD should be completed by 30.6.2021.

8. Status of sewage treatment plant which require technologically upgradation

The data presented before the Executing Committee depicted that there are 8 STPs of capacity 77.5 MLD, which require technologically upgradation and the progress w.r.t upgradation of these STPs has been achieved between 20% - 85%.

The data further indicate that 18 STPs of capacity 69.5 MLD have also been proposed for upgradation but these STPs are at DPR stage and thus there is need to accelerate the processes to get complete upgradation of these STPs by 30.6.2021.

02 STPs (Kalka: 4.5 MLD and Ambala City: 6 MLD) have also been proposed for upgradation but the land is not available for upgradation of these STPs.

Based on the above data, the Executing Committee directed as under:

- i) 8 STPs of capacity 77.5 MLD, where the upgradation work has been started, shall be installed and commissioned by 30.6.2021.**
- ii) 18 STPs of capacity 69.5 MLD, which are at DPR stage should also be accelerated to ensure that these STPs may also be completed by 30.6.2021.**
- iii) 2 STPs of capacity 10.5 MLD, where presently, no land is available for upgradation, alternate site may be identified within 2 months and upgradation work of 2 STPs should be completed by 30.6.2021 or otherwise, if the land is not available for these STPs, best suited technology may be used for upgradation of STPs at the existing locations so that these may be upgraded by 30.6.2021.**

9. Gap in treatment of sewage of the towns located on river Ghaggar

It was submitted as under;

The total sewage discharge of 27 towns located in the catchment area of river Ghaggar is 258 MLD, whereas, the present capacity of STPs in these 27 towns is 514 MLD. However, there is gap of 0.7 MLD in Ambala town only.

The Executing Committee informed that as per the data provided by HSPCB, the untreated sewage of 106.98 MLD through 70 locations is being discharged into river Ghaggar, as such the discharge of 106.98 MLD is also covered under gap in sewage to be treated.

After discussion on the issue, it was directed by the Chairman of the Executing Committee that Haryana State Pollution Control Board shall reanalyze the data w.r.t gap in treatment of sewage in the towns as well as 106.98 MLD sewage through 70 locations being discharged untreated into river Ghaggar within 15 days and necessary direction be issued to the executing agency (PHED/ULB/HSVP/D&B/other department) to connect the untreated discharge of

these 70 location with sewerage system leading to STPs or install new STPs of adequate capacity by 30.6.2021.

10. Status of installation effluent treatment plant by the industries, inspection by State pollution Control Board, performance of Effluent Treatment Plant, action against the violating industries and status of CETPs.

It was reported that all the 107 industries located in the catchment area of river Ghaggar have installed their individual ETPs to treat the industrial effluent of 4 MLD. Besides, 6.1 MLD capacity CETPs have also been provided. Based on the inspection and violation observed by Haryana State Pollution Control Board, 72 industries have been issued closure order, prosecution have been filled against 38 units and EC has been imposed on 13 units and amount of EC imposed and recovered from the violating industries was mentioned as Rs. 67.46 Lakh.

The Executing Committee directed as under:

- i) **Haryana State Pollution Control Board shall continue to make surprise inspection/raids on the industries and action under the provision of Water Act, 1974 may be taken on the violating industries.**
 - ii) **Haryana State Pollution Control Board shall submit the details of the industries along with their category, type and quantum of effluent discharged by the industries joining to 4 CETPs installed in the catchment area of river Ghaggar.**
- 11. Implementation of irrigation scheme to utilize treated sewage for irrigation and the irrigation scheme which are under construction/planning.**

The concerned departments of State of Haryana submitted as under:

- 15 irrigation projects to utilize the treated sewage of the towns costing Rs. 184.97 crore, which are part of Rs. 500 crore micro irrigation project under NABARD scheme, have been approved.
- 35 STPs located in 21 districts to irrigate CCA of 23,359 hectare of land to utilize 338.85 MLD of treated sewage have also been covered under the project of Rs. 500 crore.
- As per the latest directions from the State Government, the project is to be completed within 2 years.

After detailed discussion on the issue, the Chairman of the Executing Committee directed as under:

- i) **All the 15 irrigation project to utilize the treated sewage of STPs located in the catchment area of river Ghaggar should be completed by 31.3.2021.**
- ii) **Out of total 207 STPs located in the catchment area of river Ghaggar and Yamuna, for which action plan has been approved by Government of Haryana in the month of January, 2020 for Rs 1098.25 crore to utilize 1828 MLD sewage, priority may be given to the remaining 44 STPs (59-15) of Ghaggar catchment area to utilize their treated sewage for irrigation.**

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12. Non point sources and control of pollution of these sources

It was submitted that there are complaints of illegal discharge through tankers and as decided at the highest level of the Government, special drive through District Level teams has been started and these committees have been asked to seize the vehicles carrying discharge of untreated sewage through tankers to discharge the same at unknown places.

The Executing Committee directed that District level teams consisting of officers from revenue department, irrigation, PHED, industries and police shall make surprise checks/raids on the tankers carrying illegal discharge and legal action may be taken against the defaulting persons/agencies.

13. Status of installation of sewage treatment plants for the villages

It was reported that the department of Rural Development & Panchayats has identified 45 villages in the catchment area of river Ghaggar, out of which work for STPs has been sanctioned for 36 villages and work of STPs in 31 villages has been started.


After detailed discussion on the issue, it was directed by the Chairman of the Executing Committee that STPs in all the 45 villages falling in the catchment area of river Ghaggar should be completed by 31.3.2021. The Development & Panchayat Department shall also study 153 points which have been identified by the Department of Irrigation for discharge of their wastewater into river Ghaggar and in case discharge points carry untreated sewage, necessary plan for installation of treatment system for these points may be prepared and treatment facilities may be provided by 30.6.2021.

14. Ground water quality in the catchment area of river Ghaggar

The Executing Committee was apprised that Haryana State Pollution Control Board is monitoring the ground water quality of ground water sources located in the catchment area of river Ghaggar on quarterly basis at 72 locations. As per the latest report, the groundwater quality of 40 locations has not been found complying due to high values of TDS and calcium, whereas, the groundwater quality of 32 locations is meeting with the prescribed standards for drinking water. Accordingly, all these contaminated sites have been closed and display boards mentioning "water is not fit for drinking" have been erected.

After discussion on the issue, it was directed that Haryana State Pollution Control Board shall continue to monitor groundwater sources in the catchment area of river Ghaggar as per the frequency maintained by it and in case the contaminated sites are observed, the same shall be sealed by the Board and display board mentioning "water is not fit for drinking" may be erected at these sites.

15. Environmental flow

 It was brought out that river Ghaggar is a non-perennial river and maintaining E-flow by keeping 15-20 % of lowest possible discharge in lean season is not possible. However, monthly flow of all the major drains joining river Ghaggar is measured regularly on monthly basis.

After discussion on the issue, it was directed that the Department of Irrigation shall provide check dam/water retaining structures to retain excess flow during

rainy season and discharge the same in a regulated way during non-monsoon period to maintain eco system and aquatic life in the river.

16. Septage and faecal sludge management.

It was reported that 27 ULBs in Ghaggar river catchment area have notified their policy and septage and faecal sludge is disposed off at STPs through tanker system. As per the data supplied by the Department, septage/faecal sludge from 12 ULBs varying between 6-50 KI has been disposed off through tankers into STPs in the month of January-2020.

After detailed discussion on the issue, it was directed that Urban Local Bodies department, PHED, HSVP, D & P in consultation with Haryana State Pollution Control Board shall quantify the discharges of septage and faecal sludge to be disposed off at particular STPs keeping in view the capacity of STPs and quantity of sewage being treated at the STPs so that disposal of such sludge may not hamper the functioning of STPs.

17. In-situ bio remediation in the drains carrying untreated sewage and not connecting to STPs

It was informed that the officers of Haryana State Pollution Control Board, Urban Local Bodies, HSVP, PHED and Panchayat Department have visited the sites of phyto remediation system in Punjab on 11.8.2020. Accordingly, it has been decided to start such In-situ bio remediation technology in drains carrying untreated sewage and not connected to STPs in the catchment area of river Ghaggar in the State of Haryana within 2 months.

After detailed discussion on the issue, it was directed that executing agencies like ULB department HSVP, PHED and Panchayat Departments shall identified the drains carrying untreated sewage and not connected to STPs within 15 days and provide appropriate in-situ bio remediation technology in the drains by 31.10.2020.

18. Installation of Real Time Water Quality Monitoring Stations in river Ghaggar.

The Executing Committee was informed that Haryana State Pollution Control Board is in the process of fixing the specifications for Real Time Water Quality Monitoring Stations and these RTWQMS shall be installed by 31.12.2020.

It was directed that Haryana State Pollution Control Board shall take immediate action to install Real Time Water Quality Monitoring Stations by 31.12.2020 at appropriate locations.

19. Water Shed Management

It was informed that map has been prepared for Water Shed Management in catchment area of river Ghaggar by Department of Agriculture but it is to be implemented by the Department of Development & Panchayat.

After discussion on the issue, it was directed that the Department of Panchayat and Agriculture shall jointly take steps to provide Water Shed Management in the catchment area of river Ghaggar and action taken report by submitted to the Executing Committee.

20. Status of prosecution launched by the Haryana State Pollution Control Board against the violators under the provisions of Water Act, 1974.

It was reported that 41 prosecutions have been sanctioned so far, out of which 32 prosecutions have been launched in the Hon'ble Courts. However, none of the case has been decided so far.

The Chairman of the Executing Committee took a serious view and directed that a separate meeting with officers of Haryana State Pollution Control Board, ADA, Presiding Officers may be held within 3 weeks for which the suitable dates shall be conveyed later on. Haryana State Pollution Control Board shall coordinate the matter.

Meeting with officers of State of Himachal Pradesh and U.T. Chandigarh at 2.30 AM

c) State of Himachal Pradesh

Agenda wise points were discussed as under: -

1 and 2. Water quality of river Ghaggar at various locations and sources of pollution in river Ghaggar and details of the drains carrying sewage/industrial effluent into the river Ghaggar.

It was informed that water quality of Sukhna Nallah at Parwanoo, Kaushalya river, Sental Nallah and Sector 4 Nallah falling in catchment area of river Ghaggar were monitored in the month of March, 2020 to May, 2020 and June, 2020 to July, 2020. The data indicate that there is improvement in the water quality of Sukhna Nallah, Kaushalya river, Sental Nallah and Sector 4 Nallah w.r.t. BOD, DO and F.Coli parameters.

The river water quality in the catchment area of Kala Amb was also monitored wherein, monitoring of Markanda river upstream of Jattanwala Nallah, Jattanwala drain, river Markanda downstream Jattanwala drain, Sailani nallah and Roon Nallah was carried out in the month of March, 2020 and June, 2020. As per analysis results, there is slight improvement in BOD, DO and F.Coli parameters. However, Jattanwala drain was found effluent with high value of faecal coliform ranging between 6200-19360 MPN/100 ml which are quite higher than the permissible level.

After detailed discussion on the issue, it was directed that HPPCB shall issue necessary directions to the concerned agencies contributing high values of faecal coliform in Jattanwala drain so as to bring the parameters within the norms.

3 to 6. Status of laying of sewerage network, sewage treatment plants which are in operation & their performance, sewage treatment plants which are under construction and sewage treatment plants which are under proposal.

The Executing Committee was informed as under:

- i) There is proposal to install 2 sewage treatment plants of capacity 1 MLD and 1.5 MLD in Tarlokpuri area and Kala Amb Area, respectively, for

which the work has been awarded on 7.3.2020 and land has been handed over to the contractor. Sewerage network has been laid upto 2.5 Kms and 0.5 Kms, respectively, in these area.

- ii) 2 STPs each of capacity 1 MLD to treat sewage of Parwanoo area has been proposed. The tender work of both the STPs has been awarded on 19.3.2020. However, land for installation of sewage treatment plant is available for 1 STP, whereas, in case of 2nd STP, no land is available.
- iii) Presently, 2 small STPs each of capacity 70 KLD have been installed at Sector 5, Parwanoo and Khadeen, respectively, and these are working properly.
- iv) For installation of CETP of capacity 5 MLD, the tender was floated on 15.3.2020 but due to non-availability of bids, it has been re-invited in the month of June, 2020 and now technical bid has been opened and thereafter financial bids shall be opened and work shall be allotted accordingly.

After detailed discussion on the issue it was directed as under: -

- i) **STPs of capacity 1 MLD and 1.5 MLD to be installed in Tarlokpuri area and Kala Amb area should be completed by 31.3.2021.**
- ii) **2 STPs each of capacity 1 MLD to treat sewage of Parwanoo area should be completed by 31.3.2021.**
- iii) **CETP of capacity 5 MLD to be installed in Kala Amb area should be completed by 31.3.2021.**
- iv) **HPPCB shall monitor the performance of 2 small STPs each of capacity 70 KLD and submit its performance reports w.r.t. various parameters within 21 days.**

7. Status of STPs which require technology upgradation

It was informed that presently all the new STPs are under construction stage, which was noted by the Executing Committee.

8. Gap in treatment of the sewage of the towns located on river Ghaggar.

It was reported that presently 2 STPs of capacity 1 MLD and 1.5 MLD have been proposed to be installed in Tarlokpuri area and Kala Amb area. To treat the sewage of Parwanoo area, 2 STPs each of capacity 1 MLD have been proposed. These STPs are likely to be completed by 31.3.2021.

For treatment of industrial effluent and effluent from sources areas in Kala Amb area, CETP of capacity 5 MLD has been proposed. Thus, the total capacity of treatment of sewage to be provided shall be 4.5 MLD in addition to 5 MLD capacity CETP to handle the industrial and other sources. As such, the treatment of capacity is much more as compared to generation of sewage/effluent in these two catchment areas (Parwanoo and Kala Amb area) of river Ghaggar.

Therefore, presently, there is no gap in treatment of sewage.

The Chairman of the Executing Committee directed that HPPCB shall ensure that all the sources of generation of sewage and industrial effluent should be

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tackled by the proposed STPs and CETPs and there shall be no extra discharge which may lead into any nallah/river further leading to river Ghaggar.

9. Status of installation of Effluent Treatment Plant by the industries, inspection by State Pollution Control Board and action against the violating industries.

It was informed that in Sukhna catchment area, 5 industries were inspected, out of which 4 industries were found not meeting with the prescribed standards, as such show cause notices were issued to these industries. Out of these 4 industries, 3 industries have started using treated wastewater for irrigation in the lawns and garden. Necessary direction has been issued to remaining 1 industrial unit to improve include performance of its treatment system.

Similarly, in Markanda catchment area, 88 industries are there and all these industries have provided ETPs. These industries were inspected in the month of June, 2020 and show cause notices were issued to 2 industrial units.

It was directed that Himachal Pradesh State Pollution Control Board shall continue to make surprise inspection of the industries and action against the defaulting industries may be taken as per the provision of Water Act, 1974.

10. Installation of CETPs and their operations

There is proposal to install 1 CETP of capacity 5 MLD at Kala Amb area. The tender for installation of CETP were invited on 5.6.2020 and now technical bids have been opened and financial bid shall be opened shortly. CETP shall be completed by 30.6.2021.


It was directed that CETP of capacity 5 MLD at Kala Amb area shall be completed by 31.3.2021.

11. Implementation of irrigation scheme to utilize treated sewage for irrigation and irrigation scheme which are under construction/planning.

It was informed that the treated sewage to be generated after commissioning of proposed STPs shall be utilized for construction purposes, plantation, green belt toilet flushing etc.

It was directed that HPPCB shall issue necessary direction to the executing agency of STPs and CETPs to prepared detailed scheme for utilization of treated sewage of Parwanoo and Kala Amb area within 3 months and the said scheme may be implemented for utilization of treated sewage for various usages simultaneously along with commissioning of STPs.

12. Non point sources and control of pollution of these sources and In-situ bio remediation in the drains carrying untreated sewage and not connecting to STPs.

 It was informed that no non point sources has been observed in the nallahs/river. However, in order to improve the quality of nallah/river water, Phyto remediation technology has been setup in Semtal nallah and civil work of the same has been completed. Phyto remediation system to be installed in JattanWala Nallah at 2 identified sites has been proposed for which tenders are in the progress.

After detailed discussion on the issue, it was directed as under:

- i) **HPPCB and Rural Development & Panchayats shall jointly carry out the survey along the Nallah/river and check as to whether any illegal discharge of sewage/industrial effluent through tankers or any other mechanism is discharged into these nallahs/river. In case any violators are found, legal action under the provision of the Water Act, 1974 may be taken accordingly.**
- ii) **HPPCB shall get install Phyto remediation technology in Jattan Wala nallah at 2 location by 31.10.2020.**

13. Status of installation of sewage treatment plant for the villages

It was reported that all the villages falling in the catchment area of river Ghaggar in Parwanoo area and Kala Amb area have been covered in the Action Plan for sewage treatment and industrial waste treatment of proposed STPs and CETPs.

The Executing Committee noted the claim of the department and directed that HPPCB shall ensure that all the villages in the catchment of Sukhna Nallah at Parwanoo and Markanda at Kala Amb area shall have connectivity of the sewage to the proposed STPs.

14. Groundwater quality in catchment area of river Ghaggar

The analysis results of the groundwater samples collected from the groundwater sources in the catchment area of Sukhna nallah have been collected and all the parameters are within the norms.

The Chairman of the Executing Committee directed that HPPCB shall continue to monitor groundwater quality of groundwater sources falling in catchment area of Sukhna nallah and Markanda river as per the frequency maintained by it.

15. Environment Flow and Watershed Management

The Executing Committee was informed that the water of river Kaushalya is meeting with class-B standards. Besides, 27 and 30 check dams have been constructed in Sukhna nallah at Parwanoo and river Markanda at Kala Amb. Also, 03 low height dams and 03 rain harvesting structures shall be provided within next 03 months. 8450 plants have also been planted in the catchment area of Sukhna nallah and Markanda river.

The Executing Committee noted the progress.

16. Septage and Faecal sludge management

It was claimed that teams have been constituted to conduct surprise inspection to ensure that there is no illegal dispose of septage and faecal sludge from septage tanks. However, during inspection 1.7.2020 in the catchment area of Sukhna nallah, no disposal of any septage and faecal sludge in Sukhna nallah was observed. Similarly, during the inspection of 16.7.2020 along river Markanda, no disposal of any septage and faecal sludge was observed.

The Executing Committee noted the compliance and directed that the team constituted by HPPSB shall continue to make surprise inspection in the catchment area of Sukhna nallah and river Markanda from time to time and ensure that there is no disposal of septage and faecal sludge in the nallah/river.

17. Installation of Real Time Water Quality Monitoring Stations in river Ghaggar.

It was submitted that HPPCB has installed Real Time Water Quality Monitoring Stations in river Kaushalya and its analysis results indicate that the value of pH, DO and BOD monitored through RTWQMS as well and manual monitoring are almost matching except F.Coli parameter, where large variation was observed. In order to make some changes/modifications in the system, the matter has been taken up with the concerned agency.

The Executing Committee noted the progress.

18. Status of prosecution launched by the State Pollution Control Board against the violators under the provisions of the Water Act, 1974.

It was reported that no prosecution has been launched by HPPCB against any violator.

The Executing Committee noted the claim of the Department.

d) U.T., Chandigarh

1. Water quality of river Ghaggar

CPCB informed that the water quality of river Ghaggar was monitored in the month of April to July, 2020 and its analysis results indicate that the value of BOD was varying between 24-46 mg/l and faecal coliform between 2000-70000 MPN/100 ml. The value of TSS was observed between 485-3545 mg/l.

It was observed that water quality in river Ghaggar can be improved only after the upgradation of STPs of Chandigarh area in a time bound manner.

The Executing noted the observation.

2. Status of pollution in river Ghaggar and details of the drains carrying sewage/industrial effluent in river Ghaggar.

It was informed that in Chandigarh area, there are two main sources of discharges into river Ghaggar. These sources are Sukhna Choe and N-Choe and presently there is no sewage flow at all the outlets because these have been plugged except at one point i.e. village Daria which happened due to breaking of sewerage line and the same shall be repaired within 15 days.

The Executing Committee observed that the analysis results of effluent samples collected from Sukhna Choe and N-Choe indicated that the value of BOD varies between 117-202 mg/l and 38-210 mg/l, respectively, whereas, the value of F.Coli has been found much higher than the permissible value.

With regard to said observation of the Executing Committee, Municipal Corporation Chandigarh claimed that reasons for high value of BOD in Sukhna Choe is due to discharge of untreated sewage at Daria outlet due to breaking of sewer line, whereas, in case of excess value of BOD and F.coli in N-Choe, as observed by Executing Committee, these may be due to discharge from untreated sewage from Mohali area

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After detailed discussion on the issue, the Chairman of the Executing Committee directed as under: -

- i) CPCC shall make surprise inspection on all the outlets which have been plugged by Municipal Corporation Chandigarh and U.T. Administration falling into Sukhna Choe and N-Choe and ensure that no sewage is discharged from any outlet into Sukhna Choe and N-Choe.
- ii) Municipal Corporation Chandigarh shall repair the damaged sewer line within 15 days and there shall be no discharge from the outlet at village Daria into Sukhna Choe.
- iii) A joint committee consisting of Commissioner, Municipal Corporation Chandigarh, Commissioner Municipal Corporation SAS Nagar, Member Secretary, Punjab Pollution Control Board and Member Secretary CPCC shall conduct joint survey of the area to detect the agency responsible for discharge of untreated sewage into N-Choe and remedial measures to be taken for stoppage of sewage discharge into the Choe by the responsible departments.

3. Status of laying of sewerage network in the towns and interception of sewage

It was informed that in Chandigarh sewerage system has been laid in residential and other areas, as such, no extra sewerage network is to be laid.

The Executing Committee noted the version of the department.

4. Status of sewage treatment plants installed for treatment of sewage of the towns and their performance.

The analysis data of existing 6 STPs was submitted as under.

- STP Diggian is meeting with the prescribed standards w.r.t. BOD and TSS. However, F.Coli parameter is beyond the permissible limits.
- STP at 3 BRD is meeting with the prescribed standards w.r.t. BOD and TSS. However, F.Coli parameter is beyond the permissible limits
- STP at Raipur kalian and Raipur Khurd are not meeting with the prescribed standards w.r.t BOD and F.coli parameter.
- STP Maloya is meeting with the prescribed norms. However, the value of F.coli has not been detected in the effluent samples collected in the month of August, 2020

After detailed discussion on the issue, the Chairman of the Executing Committee directed that CPCC shall collect the effluent samples of all the

STPs from their outlets and inlets and these may be got analyzed from three reputed laboratories and analysis results be submitted to the Executing Committee within 15 days.

5 and 6. Status of STP under construction/planning

The Executing Committee was informed that work for installation of STP at Kishangarh was allotted but due to refusal by the qualifying agency, tenders have been re-invited and technical bid is under evaluation. However, 1 STP at Raipur Kalan of capacity 1.25 MGD has been commissioned and is under trial run.

After detailed discussion on the issue, the Executing Committee directed that the work for construction of STP at Kishangarh should be allotted within 2 months and sewage treatment plant should be completed by 30.6.2021.

7. STPs which require technologically upgradation

It was submitted that work order for upgradation of all the 5 existing sewage treatment plants (STP at Diggian: 30 MGD, STP at 3 BRD:11 MGD, STP at Raipur Kalan: 5 MGD, STP at Raipur Khurd: 1.25 MGD and STP at Dhanas: 1.6 MGD) shall be allotted by 24.8.2020 except Maloya STP of capacity 5 MGD, which is meeting with the prescribed norms.


The chairman of the Executing Committee directed that upgradation work of all the 5 existing STPs except Maloya STP should be completed by 31.3.2021.

8. Gap in treatment of sewage of the town located on river Ghaggar.

It was reported that total sewage generation in the town is 54 MGD, whereas treatment capacity of STPs is 55.1 MGD, as such, there is no gap of sewage to be treated.

The Executing Committee noted the compliance.

9. Status of ETP, inspection, performance of ETPs and action against the violating industries

 The Executing Committee was informed that all the water polluting industries in Chandigarh area have installed their individual ETPs. CPCC is regularly inspecting the performance of ETPs of the industries and action against the violating industries is taken as per the provisions of the Water Act, 1974

It was directed by the Chairman of the Executing Committee that CPCC shall continue to make surprise inspection/raids on the industries and action against the violating industries may be taken under the provisions of the Water Act, 1974.

10. Installation of CETPs and their operation.

CPCC informed that though the electroplating industries of Chandigarh area have installed their individual ETPs but in order to monitor these electroplating industries as single outlet, there is proposal to get join these electroplating industries to CETP for electroplating industries to be installed at Chanalon for which EC is awaited.

The Executing Committee noted the observation made by the Department.

11. Status of irrigation schemes to utilize the treated sewage of STPs

It was reported that in Chandigarh area, no irrigation scheme can be implemented, whereas, the treated sewage is being utilized in green belts, parks and horticulture uses. Further, after the upgradation of the STPs, the treated sewage may be utilized at Bus Depots and industrial clusters.

The Executing Committee noted the compliance and directed that the treated sewage of STPs may be utilized for garden, green belts, parks and other usage, wherever possible so that consumption of fresh water may be reduced.

12 . Non-point sources and control of pollution of these sources.

It was reported that presently no sewage is flowing into Choe as all the outlets have been plugged except 1 outlet at village Daria where sewerage pipeline has been broken due to which sewage is flowing into the Sukhna Choe.

The said sewerage network shall be repaired within 15 days and flow into Sukhna Choe through Daria outlet shall be stopped.

13. Groundwater quality in catchment area of river Ghaggar

The analysis results of groundwater samples submitted to the Executing Committee indicate that no contamination has been found in these groundwater sources w.r.t heavy metals.

It was directed by the Executing Committee that CPCC shall continue to monitor the groundwater quality of groundwater sources located in the catchment area of river Ghaggar as per the frequency maintained by CPCC.

14. Environment Flow

It was informed that Sukhna Choe and N-Choe, which are passing through Chandigarh area, are non perellian drains and carry only storm water, as such, it is not possible to maintain a environment flow in these choes.

The Executing Committee noted the observation of the department.

15. Septage and Faecal Sludge Management

It was reported that since Chandigarh is fully covered with sewerage network and no septic tanks are allowed in Chandigarh, as such, there is no generation of any septage and faecal sludge.

The Executing Committee noted the observation of the department.

16. In-situ bio remediation in the drains carrying untreated sewage and not connected to STP.

It was informed that different plants species have been planned to be planted in Sukhna Choe along with additional 2000 canna plants along Sukhna Choe and N-Choe by 31.8.2020.

However, it was further informed that U.T Chandigarh shall also follow technology for in-situ bio remediation provided in the drains in Punjab area and accordingly, the said technology shall be installed in Sukhna Choe and N-Choe by 31.10.2020.

It was directed by the Chairman of the Executing Committee that in-situ bio remediation technology in Sukhna Choe and N-Choe shall be provided by 31.10.2020.

17. Installation of Real Time Water Quality Monitoring Stations in river Ghaggar.

It was informed that estimate for installation of RTWQMS in Sukhna Choe and N-Choe is under process and will be finalized within 1 week.

After detail discussion, it was directed by the Chairman of the Executing Committee that RTWQMS in Sukhna Choe and N-Choe shall be installed by 31.8.2020.

18. Water Shed Management

It was reported as under:

- Chandigarh Forest department has undertaking various soil and moisture conservation measures to avert soil erosion.
- More than 100 check dams have been constructed in Sukhna Wild life Sanctuary.

The Executing Committee noted the compliance.

19. Status of prosecution launched by State pollution control Board against the violators under the provision of the Water Act, 1974.

CPCC has reported that 118 cases for violation of water/Air Act have been filed, which are pending in District Courts.

After discussion on the issue, it was directed that joint meeting of Haryana State Pollution Control Board and CPCC shall be held within next 3 weeks, wherein, the officers of Haryana State Pollution Control Board, CPCC, ADA and presiding officers shall remain present. Date of meeting shall be fixed shortly.

Sd/
Dr. Babu Ram

Sd/
Ms. Urvashi Gulati

sd/
Justice Pritam Pal, former Judge
Punjab & Haryana High Court
now as Chairman of Executing Committee

Note: The members of the Monitoring Committee have given their concurrence on the minutes of the meeting.


21/8/2020

Annexure - I

List of participants from Haryana State in VC held on 19.8.20 with Justice Pritam Pal, on river Ghaggar

Sr. NO.	Name
	Sh. Sudhir Rajpal, IAS, Principal Secretary, Development & Panchayats Deptt, Haryana, Chandigarh.
	Sh. S. Narayanan, IFS, Member Secretary, HSPCB, Panchkula
	Sh. Amit Aggarwal, IAS, Director, ULBD, Panchkula
	Dr. Hardeep Singh, IAS, Director, Rural Development Deptt, Haryana, Chandigarh.
	Sh. D. Bhasker, Chief Engineer, ULBD, Panchkula
	Sh. Shankar Jindal, Chief Engineer, Development & Panchayats Deptt., Haryana, Chandigarh.
	Sh. P. K. Garg, GM, IA, HSIIDC, Panchkula
	Sh. Niteesh Jain, Chief Engineer, Irrigation Deptt, Panchkula
	Sh. K. K. Verma, Chief Engineer, PHED, Panchkula
	Sh. Y M Mehra, Chief Engineer, HSVP, Panchkula
	Sh. J. P. Singh, SEE, HSPCB, Panchkula
	Sh. Surinder Nadnwani, SE, HSVP, Panchkula
	Sh. Anoop Kumar, SM, IA, HSIIDC, Panchkula
	Sh. Virender Malhotra, XEN, Irrigation Deptt, Panchkula
	Sh. Ranbir Singh XEN, ULBD, Panchkula

हिमाचल प्रदेश सरकार

18th meeting with State Level Officers regarding cleaning of River Ghaggar w.r.t. compliance of order dated 07.08.2018 in OA. No. 138 & 139 of 2016 in the matter of "Stench Grips Mansa's Sacred Ghaggar river" (Suo-Moto case) and Yogender Kumar under the Chairmanship of Justice Pritam pal, Former Judge, Punjab and Haryana High Court and now Chairman of the Executive Committee held on 19.08.2020 at 02:30 PM (through Video conferencing)

Please
enclose
in Task
Force file

19/08/2020

4(NCT)-I.

S. No	Name & Designation	Department	Mobile No./Whats-App no.	Signature
1.	Dr. Sharan Kumar	SSC	9418066408	
2.	Dr. Suresh A. Jha	DMIS	941807708	
3.	Chandran Kr. Singh	HPPCB, HQ	94180-18223	
4.	Joginder Singh	SE, Nahan	connected through online video- conferencing (virtual mode)	
5.	Mandeep Gupta.	EE, IPH Nahan.		
6.	Mukesh Nigra	SG, IPH Salan.		
7.	Mohan Lal.	A.D. RO		
8.	Rajesh Sharma.	CCF, forest		
9.	Gopal Gantam	DSM, Shimla.		
10.	Sumit Gupta.	SG, IPH Salan.		
11.				
12.				
13.				

Attendance of the meeting of the Executing Committee held on 19.8.2020

Sr. No.	Name, Designation & Department
1.	Justice Pritam Pal, Chairman, Executing Committee
2.	Ms. Urvashi Gulati, Expert member.
3.	Sh. Babu Ram, Member
4.	Sh. Debendra Dalai, Special Secretary Environment, Chandigarh Administration cum Member Secretary, CPCC
5.	Sh. K.K. Yadav, Commissioner, Municipal Corporation, Chandigarh
6.	Sh. Shailendra Singh, Chief Engineer, Municipal Corporation, Chandigarh
7.	Dr. Parmjit Singh, Deputy Medical Superintendent, GMSH-16, Chandigarh
8.	Sh. Rajesh Bansal, Superintending Engineer, Engineering Department, Chandigarh Administration.
9.	Sh. Varun Beniwal, Addl. Chief Inspector of Factories, Chandigarh
10.	Sh. Vijay Kumar Premi, Executive Engineer, Municipal Corporation, Chandigarh.
11.	Sh. Vivek Pandey, Scientist 'B', CPCC
12.	Ms. Swati Khanna, JSA, CPCC