

Minutes of the 13th meeting held with the officers of the various departments of the State of Himachal Pradesh on 02.08.2019 at 11.00 am at 4th Floor, 5th Tower, Forest Complex, Sector-68, Mohali by members of the Executing Committee constituted in OA No. 138 of 2016 and 139 of 2016 in the matter of Stench Grips Mansa's Ghaggar River (Suo-Moto case) Vs. Jogender Kumar & Ors.

The list of participant is enclosed as Aneuxre-1.

Dr. Babu Ram, Member, Executing Committee welcomed Shri J.Chandra Babu, Additional Director, CPCB and Member, Executing Committee and Dr. V.K.Hatwal, Joint Director, MOEFCC and Member, Executive Committee and other officials of various departments of State Government of Himachal Pradesh present in the meeting. Thereafter, the agenda of the meeting was taken up for discussions.

Senior Environmental Engineer, HPPCB apprised Executing Committee as detailed under:

1. Inspection of the industries

• **Sukhna at Parwanoo**

Inspection of 7 Water polluting industries in the catchment area of Sukhna choe has been carried out in the month of June, 2019, and 2 out of 7 industries inspected were found violating the norms, against which action u/s 33-A of the Water (Prevention and Control of Pollution) Act, 1974 has been recommended.

• **River Markanda at Kala Amb**

49 water polluting industries located in the catchment area of River Markanda leading to River Ghaggar have been visited in the month of June, 2019 and all the industries were found to comply with the norms.

2. Meetings of the District Level Special Task Force

HPPCB officials informed that 7 meetings of the District Level Special Task Force have been held under the chairmanship of Deputy Commissioner, Solan and minutes of the meetings were sent to the State Level Special Task Force. Similarly, 8 meetings of District Level Special Task Force have been conducted under the chairmanship of Deputy Commissioner, Sirmour.

3. Installation of Real Time Water Quality Monitoring Station (RTWQMS)

It was informed that the funds for installation of Real **Time Water Quality Monitoring Station (RTWQMS)** have been released by HPPCB to Irrigation and Public Health (I & PH) Department, Himachal Pradesh State and the said department invited tenders for procurement and installation of RTWQMS. The Executive Engineer, I & PH, Solan informed that the RTWQMS shall be installed on River Kaushalya by 15.08.2019 and for installation of Radar, the tender shall be opened by 07.08.2019.

For installation of RTWQMS on River Markanda, the funds have been released by HPPCB to Irrigation and Public Health (I & PH) Department, Himachal Pradesh State and the said department has invited tenders for procurement and installation of the same.

4. Installation of STPs for treatment of sewage generated from Parwanoo town

It was apprised that proposal for 2 STPs of capacity 1 MLD each including laying of sewerage system in Parwanoo town, costing of Rs. 49.82 Crore has been prepared and these STPs shall be commissioned by 31.01.2022. Additionally, one bio-digester in STP on pilot basis in Sector-5, Parawanoo shall start functioning by 15.08.2019 for which civil work has been completed.

5. Installation of 5 MLD CETP for treatment of sewage of Kala Amb area and industrial effluent of the industries

It was informed that DRP for setting up of CETP costing Rs. 20 Crore has been prepared by M/s Environ Technologies Ankleshwar. Land for CETP has been acquired by Deptt. of Industries and shall be transferred in the name of SPV for setting up of the CETP. For getting Environment Clearance form MoEF&CC, the application shall be filed by SPV namely M/s Kala Amb Infrastructure Company. The CETP is likely to be commissioned by 31.01.2022. For treatment of sewage of small villages Trilokpur & Kheri area falling on the bank of River Markanda, there is a proposal to install 1 MLD STP, which is likely to be completed by 31.01.2022.

6. Average quality of water of River Ghaggar

It was apprised that since River Ghaggar is not directly passing through the State of Himachal Pradesh and only Sukhna Nallah and River Markanda are falling into River Ghaggar, therefore, HPPCB is only monitoring the water quality of Sukhna Nallah and River Markanda, the results of which are mentioned as under:

- **Sukhna at Parwanoo**

Analysis results indicate that the average value of BOD, COD and DO in Sukhna Nalla has analyzed during the month Jan, 2019 to July, 2019 were observed as 33.2 mg/l, 170.7 mg/l and 4.6 mg/l, respectively. The values of F.Coli and T.Coli were observed as 381 MPN/100 ml and 639 MPN/100 ml, respectively.

- **River Markanda at Kala Amb**

Analysis results indicate that the value of BOD and DO in River Markanda as analyzed in the month of May, 2019 were observed as 0.9 mg/l and 7.47 mg/l, respectively. The values of F.Coli and T.Coli were observed as 49 MPN/100 ml and 170 MPN/100 ml, respectively. In the month of June, 2019, it was informed that the source was found dry.

7. Status of irrigation schemes to be implemented to utilize the treated sewage.

It was informed that presently there is no irrigation scheme either operational or proposed in Parwanoo and Kala Amb area due to topography of the area. However, efforts can be made to utilize the treated sewage for irrigation, wherever possible.

8. Status of installation of STPs for villages having discharge \geq 300 KLD.

It was informed that no village having discharge more than 300 KLD fall on Sukhna Nallah and River Markanda, as such, there is no proposal to install STP for the villages.

9. Ground water sampling

Ground water sampling of the points on the catchment area of Sukhna Nallah and River Markanda has been carried out and no contamination has been observed on the points located on Sukhna Nallah. The ground water sampling of the points located on River Markanda indicate low contamination of water w.r.t. parameters BOD, COD and TSS. No heavy metal like Copper, Nickle, Lead and Cadmium were detected in these samples.

10. Status of Health Camps organized

• **It was apprised as under:**

- ✓ 7 Health camps have been organized in the villages located along Sukhna Nallah.
- ✓ 6 Multi Specialty Health Camps have been organized in Kala Amb area by the Deptt. of Health & Family Welfare, wherein, more than 1000 persons were examined.
- ✓ Similarly in the month of June, 2019, health camp was organized at Himalayan Group of Institutions, Kala Amb, wherein, 150 patients were examined.

11. Other activities carried out by District Level Special Task Force

• **Sukhna Nallah at Parwanoo**

- ✓ 4 challans have been issued for solid waste burning and plastic littering.
- ✓ Solid waste site cleared at Parwanoo.
- ✓ All Kabaris inventorized.
- ✓ Wire mesh installed along Solid Waste littering hot spots.
- ✓ 3 plantation drives were made.

12. River Markanda at Kala Amb

- Cleanliness drive organized in Kala Amb area in June 2019 in which about 400 participated and collected about 15 MT solid wastes from various streams of Kala Amb area. Solid waste was disposed off at waste management site of M.C., Nahan.
- 2 units were challaned for Rs. 6000/- in June, 2019 under Non-Biodegradable Garbage Act, 2005.
- Site for setting up of solid waste management facility has been identified.

13. Uploading of action taken report of District Level Special Task Force / State Level Special Task Force

It was informed that monthly as well as 3 monthly action taken report of District Level Special Task Force and State Level Special Task Force have been uploaded on the website of HPPCB.

After detailed deliberations, following recommendations were made by the members of Executing Committee:-

1. 2 STPs each of capacity 1 MLD for treatment of sewage of Parwanoo area shall be installed and commissioned by 31.03.2021. Cost also need to be reviewed as it appears on higher side.
2. One CETP of capacity 5 MLD for treatment of sewage and industrial effluent of Kala Amb area shall be installed & commissioned by 31.03.2021.
3. One STP of capacity 1 MLD for the villages Trilokpur and Kheri falling on River Markanda catchment shall be installed and commissioned by 31.03.2021.
4. All the STPs should have a provision of disinfection for ensuring control of faecal coliform as well as sludge digesters for converting sludge into manure. Sludge (STPs and Septic Tanks) Management Plan shall be included in STPs proposal.
5. Necessary measures be taken by Urban Development as well as Irrigation & PH Department to ensure that the generated sewage in the catchment of river Kaushalya, River Markanda is intercepted and diverted to the existing STPs/ proposed STPs so that natural drains are restored and no sewage drain outfalls exists in future.
6. Proposed STPs, STPs under construction and the existing STPs shall be installed/upgraded to achieve the standards as directed by the Hon'ble NGT in OA No.1069 of 2018 in the matter of Nitin Shankar Deshpande Vs. Union of India & others.
7. All the treated sewage shall be utilized for flushing (in residential apartments, office, malls/commercial complexes), gardening, construction activity, irrigation purposes etc., and proposals shall be finalized in this regard by the State of Himachal Pradesh.
8. Dedicated drainage/sewerage network for carrying industrial effluent from industrial area of Kala Amb to the proposed CETP shall be laid or constructed and commissioned by 31.03.2021.
9. RTWQMS shall be installed on River Kaushalya by 15.8.2019 and data transfer also be connected to HPPCB server and thereafter to CPCB server.
10. RTWQMS shall be installed on River Markanda by 15.08.2019 and data transfer also be connected to HPPCB server and thereafter to CPCB server.
11. Commissioning of Bio-digester as a part of STP on pilot basis shall start functioning by 15.8.2019 and confirmed by 25.08.2019 to the Committee.
12. HPPCB and District Level Special Task Force shall visit industries located in the catchment area of River Markanda and Sukhna Nallah on monthly basis and reports be

forwarded to HPPCB for initiating legal action under the provisions of the Water Act, 1974 and in compliance to Hon'ble NGT Orders.

13. Cleanliness drive shall be continued in Kala Amb area and Parwanoo area as regular feature.
14. Challans may be issued to the violators for violating the provisions of the Non-Biodegradable Garbage Act, 2005.
15. The ground water quality of the point sources located on River Markanda and Sukhna Nallah may be analyzed on quarterly basis and wherever the ground water quality is found unfit for drinking purpose, such water sources be capped and a display board mentioning that the 'water is not fit for drinking purpose' may be placed.
16. Regular Health camps shall be organized in the localities / villages in the catchment area of River Markanda and Sukhna Nallah. Health Department shall also submit the health status reports in the catchment of River Markanda and Sukhna Nallah, within two months.
17. Integrated solid waste management facility at Parwanoo shall be developed in a scientific manner in accordance with the SWM Rules, 2016 as amended and also as per guidelines of CPCB by 31.03.2021. Necessary fencing or wire mesh system shall be installed along Sukhna Nallah and Markanda River at Solid Waste littering hot spot.
18. Member Secretary, HPSPSCB shall take up the matter of E-Flow Regulation with Government of HP for River kaushalya and River Markanda as well as watershed management in the catchment of river Kaushalya and River Markanda and responsibility be fixed on the above matter and for apprising the Executing Committee in the next meeting on the initiatives taken on the afore-said matter.
19. Only roof top rainwater harvesting by the industries shall be encouraged.
20. Details of Industrial Units which have not taken permission from IPH (State Ground Water authority) for extraction of Ground Water & using the Surface Water supply shall be provided to the Executing Committee within a week by the HPPCB and IPH (State Ground Water authority).

Attendance of the officers of Himachal Pradesh State who attended the meeting on 2.8.2019 in OA No. 138-139 of 2016 in the matter of Ghaggar River

A) Member of the Executive Committee

- 1) Justice Pritam Pal, Former Judge, Punjab & Haryana High Court, Now as Chairman of the Committee
- 2) Sh. J. Chandra Babu, Additional Director, CPCB
- 3) Dr. Vimal K. Hatwal, Joint Director, MOEFCC, Chandigarh
- 4) Dr. Babu Ram, Former Member Secretary, Punjab Pollution Control Board, Now as Member of Executive Committee

B) Officers of Himachal Pradesh

- 1) Sh. Aditya Negi, MS, HPSPCB
- 2) Er. S. K. Shandil, Environmental Engineer, HPSPCB, Shimla
- 3) Sh. A.K Sharda, Environmental Engineer, HPSPCB
- 4) Dr. R. K. Daroch, Chief Medical Officer, Solan (Department of Health and Family Welfare)
- 5) Dr. K. K. Prashar, Chief Medical Officer, Sirmour (Department of Health and Family Welfare)
- 6) Dr. Gagan Deep Raj Hans, District Program Officer, CMO Solan (Department of Health and Family Welfare)
- 7) Sh. Sudhir Sharma, Executive officer, Municipal Council, Parwanoo
- 8) Sh. Ashutosh, Sanitary Inspector, M.C, Parwanoo
- 9) Dr. Rajender Verma, Agriculture Additional Director, Agriculture
- 10) Sh. Tarun Gupta, Senior Environment officer, Department of Environment, Science & Technology, Shimla
- 11) Sh. Gian S. Negi, Joint Secretary (Rural Development)
- 12) Sh. Joginder Chauhan, SE, IPH circle Nahan
- 13) Sh. Sanjay Kaul, SE, IPH, Solan
- 14) Sh. Ram Kumar Gautam, Director, Department of Urban Development
- 15) Dr. Sharwan Kumar, SEE, HPSPCB, Parwanoo