

**Minutes of the 15<sup>th</sup> meeting held under the chairmanship of Justice Pritam Pal, former Judge, Punjab & Haryana High Court and now as Chairman of the Executive Committee constituted by the Hon'ble NGT in the matter of OA No.138 & 139 of 2016- "Stench Grips Mansa's Sacred Ghaggar River (Suo-Moto case) on 31.10.2019 (Thursday) at 2.30 PM at Forest Complex, Sector 68, Mohali.**

The list of the participants is as per **Annexure-1**.

At the outset, Chairman of the Executive Committee introduced Ms. Urvashi Gulati, IAS, Former Chief Secretary, Haryana, who has been inducted by Hon'ble NGT as member of the Executive Committee. Senior Environment Engineer, Himachal Pradesh State Pollution Control Board welcomed the committee members and thereafter, agenda of the meeting was taken up for discussion.

Senior Environment Engineer, Himachal Pradesh State Pollution Control Board apprised the action taken by the various stake holder departments of State of Himachal Pradesh w.r.t control of pollution in Sukhna Nallah in Parwanoo area and Jattan Wala Nallah leading to River Markanda in Kala Amb area and presented the status as under:

**1. Action taken report on the decisions taken/directions given in the 14<sup>th</sup> meeting of the Executive Committee held on 26.8.2019.**

**a) 2 STPs each of capacity 1 MLD for treatment of sewage of Parwanoo area shall be installed and commissioned by 31.03.2021.**

- Funds amounting to Rs. 5 crore have been tied up.
- Land available
- Tender shall be floated by 31.12.2019
- STPs shall be commissioned by 31.3.2021

**b) 1 CETP cum STP of capacity 5 MLD shall be installed and commissioned to treat sewage / industrial effluent of Kala Amb area by 31.03.2021.**

- Environment Clearance (EC) applied by SPV as per EIA notification dated 14.9.2006
- CETP shall be commissioned within 2 years after the grant of EC by MOEF&CC

**c) HPPCB shall inspect the water polluting industries falling in catchment area of Sukhna Nallah on monthly basis. Surprise inspection of the industries may also be carried out. Action against the defaulting units may be taken.**

- 56 industries inspected during Sep-Oct, 2019
- Show case notices have been issued to non complying industries

**d) HPPCB shall inspect the water polluting industries falling in catchment area of River Markanda and Jattan Wala Nallah on monthly basis. Surprise inspection of the industries may also be carried out. Action against the defaulting units may be taken.**

- 28 industries have been inspected.
- Groundwater sampling of 7 industries was conducted.
- 1 industry was found violating the norms.



- Electric disconnection order has been issued and Environment compensation amounting to Rs. 2.5 lakh imposed.
- e) The State of Himachal Pradesh shall prepare irrigation schemes for utilization of treated sewage of Parwanoo area and Kala Amb area by 31.12.2019 and funds for the same shall be arranged.**
- No irrigation scheme operational or proposed because of topography of the area.
- f) Ground water samples from different locations along Sukhna Nallah, Markanda River and Jattan Wala Nallah may be collected as per the frequency already decided in the earlier meetings and data may be analyzed w.r.t. water quality of the ground water of the area.**
- No groundwater contamination has been observed in the area as per the analysis results of the laboratory.
  - Groundwater sampling of various points in the catchment area of Sukhna Nallah and Markanda River has been carried out on 17.10.2019 and 22.10.2019 and the analysis results are awaited.
- g) Deptt. of Health & Family Welfare shall regularly conduct Health Check up Camps in the towns / villages located in the catchment area of Sukhna Nallah, River Markanda and Jattan Wala Nallah.**
- Total 10 health camps have been organized.
  - In the 10<sup>th</sup> camp organized on 15.10.2019 at village Khairi, Trilokpur road, kala Amb and 223 patients were examined but no water borne diseases has been detected.
- h) District Level Special Task Force (DLSTF) of the concerned districts shall visit the industries and other water polluting sources on monthly basis and action may be recommended to HPPCB against the violating industries / culprits.**
- No inspection has been carried out by DLSTF.
  - MS HPPCB has inspected Parwanoo area twice on 6.9.2019 and 2.10.2019.

**With respect to other points as mentioned in the agenda, Senior Environmental Engineer, HPPCB submitted the status as under:**

**1. Status of installation of 2 STPs each of capacity 1 MLD for Parwanoo town**

- Rs. 5 crore has been allocated in the budget by the State Govt. for installation of STPs.
- STPs shall be completed by 31.3.2021.

**2. Status of installation of 1 CETP cum STP of capacity 5 MLD in Kala Amb area**

- EC applied as per EIA notification dated 14.9.2006.
- CETP shall be installed within 2 years from the date of grant of EC by MOEF&CC.



**3. Details of the industries inspected which are located in the catchment area of Sukhna Nallah, River Markanda and Jattan Wala Nallah and action taken against the violating industries.**

**Catchment area of Jattan Wala Nallah and River Markanda**

- 28 industries falling in the catchment area of River Markanda and Jattan Wala Nallah were inspected.
- 15 effluent samples from the industries were collected.
- 7 groundwater samples were collected.
- 1 industry found violating the norms, has been issued orders for disconnection of electric connection along with environment compensation amounting to Rs. 2.5 Lakh has been imposed.

**Catchment area of Sukhna Nallah**

- 56 industries were inspected.
- Show case notices have been issued to non complying industries.

**4. Status of installation of STPs for the villages in the catchment area of Sukhna Nallah, River Markanda and Jattan Wala Nallah.**

- 2 STPs each of capacity 1 MLD has been proposed for Parwanoo town including entire area under the jurisdiction of MC Parwanoo and some parts of adjoining Panchayat areas.
- 1 CETP cum STP of capacity 5 MLD has been proposed for Kala Amb area.
- For treatment of sewage of villages Trilokpur, Johran and Kheri Panchayat area, separate STP of capacity 2.5 MLD has been proposed.

**5. Status of ground water sampling carried out in the catchment area of Sukhna Nallah, River Markanda and Jattan Wala Nallah**

- No groundwater contamination has been observed in catchment area of Sukhna Nallah, River Markanda and Jattan Wala Nallah.
- Groundwater sampling has been conducted on 17.10.2019 and 22.10.2019 and the analysis results are awaited.

**6. Status of Health Camps organized during the month September and October, 2019.**

- 10 health camps have been organized in the habitation areas falling in the catchment area of Sukhna Nallah and no water borne disease was detected.
- Health camps are being organized by department of Health and Family welfare on monthly basis in Kala Amb area.
- 10 health camps have been organized so far.
- In the health camps organized in the month of Sep, 2019, in village Johron, kala Amb, 173 patients were examined and in month of Oct, 2019, 223 patients have been examined.
- No water borne disease was detected

**7. Action taken report of the District Level Special Task Force (DLSTF).**

- 9 meetings of DLSTF of district Sirmaur have been conducted.
- The minutes of the meeting are uploaded on the website of HPPCB and CPCB.
- 12 meetings of DLSTF of district Solan have been conducted.



- The minutes of the meeting are uploaded on the website of HPPCB and CPCB.

**8. Water quality of Sukhna Nallah at Parwanoo, River Markanda and Jattan Wala Nallah at Kala Amb.**

**Water quality of Sukhna Nallah at Parwanoo**

- Water quality of Sukhna Nallah as monitored during July, 2019 to Sep, 2019 indicates that all the parameters are within the norms.
- Water quality of Samptel Nallah, a contributory drain of Sukhna Nallah, has been monitored from April, 2019 to Sep, 2019 and the analysis results indicate that in the month of April, 2019 and may, 2019, the values of BOD (1650 and 1500 mg/l) and F.Coli (1600 and 32000 MPN/100ml) were observed which are much higher than the permissible limits and the values are exorbitantly high. This needs clarification and re-analyses.
- Water quality of Sector-4 Nallah, before confluence with Sukhna Nallah has been monitored from April, 2019 to Sep, 2019 and analysis results indicate that in the month of April, 2019 and may, 2019, the values of BOD (85 and 100 mg/l) and F.Coli (1600 and 16000 MPN/100ml) were observed which are much higher than the permissible limits and the values are exorbitantly high. This needs clarification and reanalysis.
- The water quality of Kaushalya River, as monitored during Jan, 2019 to Aug, 2019, indicates the value of all the parameters are within the norms.

**Water quality of River Markanda and Jattan Wala Nallah at Kala Amb**

- HPPCB is regularly monitoring the water quality of River Markanda and Jattan Wala Nallah.
- Analysis results indicate that the level of BOD and F.Coli in the Jattan Wala Nallah has been observed to be 35 mg/l and 22000 MPN/100ml, respectively, which are much higher than the permissible limits.

**After detailed deliberation, the Chairman of the Executive Committee directed as under:**

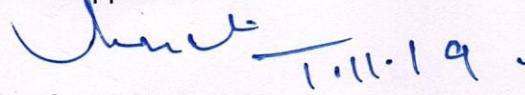
1. For installation of 2 STPs each of capacity 1 MLD for treatment of sewage of Parwanoo area, the concerned department shall float tender by 31.12.2019 and STPs shall be installed and commissioned by 31.03.2021.
2. For installation of 1 CETP cum STP of capacity 5 MLD, immediate steps may be taken to get Environmental clearance from MOEFF&CC by SPV and the officers of HPPCB shall facilitate to get EC at the earliest.  
CETP cum STP shall be commissioned by 31.3.2021.
3. STP of capacity 2.5 MLD for treatment of sewage of villages Trilokpur, Johran and Kheri shall be installed by 31.3.2021
4. HPPCB shall inspect the water polluting industries falling in catchment area of Sukhna Nallah, Jattan Wala Nallah, River Markanda on monthly basis. Surprise inspection of the industries should also be carried out and action against the defaulting units may be taken under the provisions of the Water Act, 1974.



5. The State of Himachal Pradesh shall prepare Action Plan for utilization of treated sewage of the town Parwanoo and Kala Amb area for irrigation by 31.12.2019 and funds for the same shall be arranged.
6. HPPCB shall continue to analyse groundwater samples from different locations along the catchment area of Sukhna Nallah, Markanda River and Jattan Wala Nallah as per the frequency already decided in the earlier meetings and data may be analyzed w.r.t. water quality of the ground water of the area.
7. Deptt. of Health & Family Welfare shall regularly conduct Health Check up Camps in the towns / villages located in the catchment area of Sukhna Nallah, River Markanda and Jattan Wala Nallah.
8. District Level Special Task Force of the concerned districts should visit the industries and other water polluting sources on monthly basis and action may be recommended to HPPCB against the violating industries / culprits under intimation to Executive Committee.
9. HPPCB shall identify the pollution sources contributing high value of BOD (85 and 100 mg/l) and F.Coli (1600 and 16000 MPN/100ml) in Sector-4 Nallah before confluence with Sukhna Nallah within 7 days as observed during the monitoring carried out from April, 2019 to Sep, 2019 and take immediate steps to get install water pollution control measures from the responsible agencies.
10. HPPCB shall identify the pollution sources contributing high value of BOD (1500 and 1650 mg/l) and F.Coli (1600 and 32000 MPN/100ml) in Samptel Nallah, a contributory drain of Sukhna Nallah within 7 days as observed during the monitoring carried out from April, 2019 to Sep, 2019 and take immediate steps to get install water pollution control measures from the responsible agencies.
11. HPPCB shall continue to monitor the water quality of Sukhna Nallah, River Markanda and Jattan Wala Nallah and River Kaushalya at different locations as already earmarked and data may be analyzed w.r.t. improvement in the water quality of Sukhna Nallah, River Markanda and Jattan Wala Nallah.

  
**(Dr. Babu Ram)**  
Member,  
Executive Committee

Minutes approved.

  
**( Justice Pritam Pal )**  
Former Judge, Punjab and Haryana High Court,  
(Chairman of the Executive Committee)