

## Quality of Water of Polluted River stretches in Punjab for the month of November, 2020

### Beas (along Mukerian) : Priority V

| S.N. | Point of Sample Collection                               | Code | Date of receipt in lab | Lab Sample No. | Sample Collected & Analyzed by | pH  | DO mg/l | BOD mg/l | Cond $\mu$ s/Cm | T. Coli MPN/100ml | F. Coli MPN/100ml | Free Amm. mg/l | SAR  | B mg/l | Quality of water as per DBU | Water Quality Index |
|------|----------------------------------------------------------|------|------------------------|----------------|--------------------------------|-----|---------|----------|-----------------|-------------------|-------------------|----------------|------|--------|-----------------------------|---------------------|
| 1    | River Beas 1 Km D/S effluent discharge point at Mukerian | 1294 | 10/11/20               | SW 307         | ZO Lab, Jal                    | 7.9 | 7.3     | 1.2      | 268             | 460               | 170               | 0.036          | 0.56 | 0.40   | B                           | S                   |

| S.N. | Point of Sample Collection                               | Code | Date of receipt in lab | Lab Sample No. | Sample Collected & Analyzed by | COD mg/l | Turb NTU | TSS mg/l | TDS mg/l | FDS mg/l | Cl mg/l | SO <sub>4</sub> Mg/l | TH mg/l | Ca mg/l | Mg mg/l | T.Alkn mg/l | P.Alkn mg/l | AmnN mg/l | NO <sub>3</sub> -N mg/l | TKN mg/l | PO <sub>4</sub> as P mg/l | F mg/l | Na mg/l | K mg/l |
|------|----------------------------------------------------------|------|------------------------|----------------|--------------------------------|----------|----------|----------|----------|----------|---------|----------------------|---------|---------|---------|-------------|-------------|-----------|-------------------------|----------|---------------------------|--------|---------|--------|
| 1    | River Beas 1 Km D/S effluent discharge point at Mukerian | 1294 | 10/11/20               | SW 307         | ZO Lab Jal.                    | 13       | 28       | 14       | 169      | 136      | 14      | 17                   | 102     | 29      | 7       | 113         | BDL         | 0.8       | 0.6                     | 1.3      | 0.09                      | 0.14   | 13      | 2.4    |

Note. 1. BDL means Below Method Detection Limit

2. DBU means Designated Best Use (Class-A,B,C,D & E)

3. Water Quality Index ( S means Satisfactory, U means Unsatisfactory)

4. U/s means Upstream , D/s means Downstream