

Quality of Water of Polluted River stretches in Punjab for the month of June, 2021

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 μ 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 | 11.6.2021 | 216 | ZO Lab, Jal | 7.5 | 7.8 | 1.2 | 260 | 410 | 93 | 0.014 | 0.21 | 0.36 | 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 ₄ Mg/l | TH mg/l | Ca mg/l | Mg mg/l | T.Alkn mg/l | P.Alkn mg/l | AmnN mg/l | NO ₃ -N mg/l | TKN mg/l | PO ₄ 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 | 11.6.2021 | 216 | ZO Lab, Jal | 16 | 10 | BDL | 163 | 136 | 17 | 14 | 121 | 30 | 11 | 104 | BDL | 0.7 | 1.3 | 1.7 | 0.09 | 0.16 | 5.4 | 2.9 |

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