

### ANNEXURE-I

| I.<br>No. | CHARACTERISTICS   | TOLERANCE LIMITS   |
|-----------|---|--|
| 1         | pH  | 6 to 9   |
| 2         | Biological Oxygen Demand, BOD <sub>5</sub> , 27°C, mg/l, Max        | 100  |
| 3         | Chemical Oxygen Demand (COD),mg/l, Max                              | 250  |
| 4         | Total Suspended Solids (TSS), mg/l, Max                             | 100  |
| 5         | Fixed Dissolved Solids (FDS),mg/l, Max                              | 2100   |
| 6         | Temperature, °C   | Shall not exceed more than 5°C above ambient water temperature |
| 7         | Oil & Grease, mg/l, Max   | 10   |
| 8         | Chlorides, mg/l, Max  | 1000   |
| 9         | Sulphates, as SO <sub>4</sub> , mg/l, Max                           | 1000   |
| 10        | Fluoride, mg/l, Max   | 2.0  |
| 11        | Sulphides, as S, mg/l, Max  | 2.0  |
| 12        | Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH), mg/l, Max | 1.0  |
| 13        | Total Residual Chlorine, mg/l, Max                                  | 1.0  |
| 14        | Zinc, mg/l, Max   | 15.0   |
| 15        | Iron, mg/l, Max   | 3.0  |
| 16        | Copper, mg/l, Max   | 3.0  |
| 17        | Trivalent Chromium, mg/l, Max                                       | 2.0  |
| 18        | Hexavalent Chromium, mg/l, Max                                      | 0.1  |
| 19        | Cyanide(as CN) mg/l, Max  | 0.2  |
| 20        | Lead(as Pb), mg/l, Max  | 0.1  |
| 21        | Nickel(as Ni), mg/l, Max  | 3.0  |
| 22        | Cadmium (as Cd), mg/l, Max  | 2.0  |

#### Additional Conditions:

1. All efforts should be made to remove colour and unpleasant odour as far as practicable. Parameters which are likely to be present in the effluent only need to be analyzed.
2. Treated trade effluent shall be reused partially within the premises & excess quantity shall be disposed on land for irrigation at Sri. Bhagyalakshmi Farms, Sy.No. 345/1, Kolar, Gururayanapura, Ramohalli Village, Doddaladamara Road, Bengaluru.
3. In case of discharge of treated effluent on land for irrigation, the impact on soil and groundwater quality shall be monitored twice a year (pre-and post-monsoon) by Common Effluent Treatment Plant (CETP) management.

  
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ANNEXURE-III

GENERAL DESIGN PARAMETERS FOR INLET EFFLUENT QUALITY

| Sl.No | Parameter              | Range       |
|-------|------------------------|-------------|
| 1     | pH                     | 2-12        |
| 2     | Acidity                | 20,000 mg/l |
| 3     | Alkalinity             | 20,000 mg/l |
| 4     | Hexavalent Chromium    | 2500 mg/l   |
| 5     | Cyanide                | 2000 mg/l   |
| 6     | Total Dissolved Solids | 50,000 mg/l |
| 7     | Fluoride               | 2000 mg/l   |
| 8     | Zinc                   | 200 mg/l    |
| 9     | Lead                   | 20 mg/l     |
| 10    | Copper                 | 40 mg/l     |
| 11    | Nickel                 | 150 mg/l    |
| 12    | Cadmium                | 10 mg/l     |

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