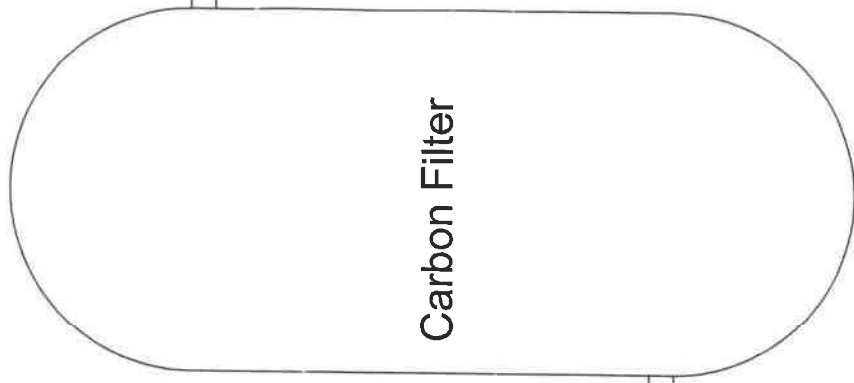


Scope Of work

- 1) Reinstallation of the existing UV system: The current unit is installed at the top level of the existing carbon filter. It should be removed and reinstalled at an accessible level for installation the new UV system. Rate should be inclusive of all fittings, pipe, cutting charges, two coat painting etc as required as per the direction of EIC.
 - 2) Installation of the new UV system: The new UV system shall be installed at an accessible height. Individual operation of UV system has to be ensured. four butterfly valves with gears and wheels must be installed to isolate each unit. Rate should be inclusive of all fittings, pipe, cutting charges, two coat painting etc. as required as per the direction of EIC
 - 3) Installation of the static mixer: Install the new static mixer after the chlorine dosing point at the carbon filter outlet. Rate should be inclusive of all fittings, pipe, cutting charges, two coat painting etc. as required as per the direction of EIC
 - 4) Installation of the chlorine dosing and control unit: Fix the dosing point at the outlet of the carbon filter and provide the sample point 4 meters from the dosing point, after the static mixer. The dosing tank, pump, analyzers, and control unit must be installed in a location with free access in the plant room. Rate should be inclusive of all fittings, pipe, cutting charges, two coat painting etc. as required as per the direction of EIC. .
 - 5) Pipe and electrical works: Necessary modifications to the piping must be done to complete the work to the engineer's satisfaction. The contractor has to supply supply any required pipes and fittings to complete the work. Cabling for the chlorination system and UV system must be done by the contractor. The power supply up to the dosing unit and UV panel will be provided by IISER.
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Chlorine Control System

Static Mixer

Sampling Unit

UV - 2

UV - 1

□ - New units

