

Subject: **CPCB - Criteria for calculating Water Quality Index (WQI)**
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Sir/Madam

The criteria for calculating Water Quality Index (WQI) is illustrated below -

- a) WQI is a single defining criteria as satisfactory or unsatisfactory.
- b) The proposed WQI will consider four water quality parameters (Dissolved Oxygen, Biological Oxygen Demand, Faecal Coliform & Total Coliform counts) for which Water Quality Criteria is prescribed.
- c) Based on the measured ambient concentrations and corresponding criteria, water quality will be defined as satisfactory or unsatisfactory.
- d) The criteria for each parameter is as follows -
 - i) Dissolved oxygen - < 4.0 mg/l
 - ii) Biological Oxygen Demand - > 3.0 mg/l
 - iii) Faecal Coliform - > 2500 MPN/ 100 ml
 - iv) Total Coliform - > 5000 MPN/ 100 ml
- e) Even one single parameter from these four parameters exceeding the criteria values will considered as unsatisfactory.

Regards,

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