

## PQR for

- 1) Conductivity transmitter W96415206940, 2) Conductivity probe W96415203339 and 3) Flow Thru chamber W96415203347

**A- PQR common for Conductivity transmitter W96415206940 & Conductivity probe W96415203339**

1. Bidder shall be manufacturer or authorized supplier of Conductivity Transmitter and Probe. Letter of authorization or suitable document shall be submitted in support for the same.
2. Bidder to confirm that offered Conductivity transmitter and probe is Approved by NTPC/ EIL/ NPCIL (at least one) or by BHEL sister unit for similar application. Bidder to provide supporting document for the same.
3. Bidder must have supplied 20 or more Conductivity transmitters+ probe in last 5 years from date of enquiry. Out of these at least 2 orders must be of 4 or more Units each. PO copies to be provided in support of the same.

**B- PQR applicable for Conductivity transmitter code W96415206940 only**  
(Refer Note 1 below also)

- Suitable for measuring conductivity of DM water.
- HART Smart Two wire,  $\mu$ P based programmable.
- Covers measuring range 0-5  $\mu$ Siemens/cm, Output signal 4-20mA
- Protection class IP65 or better
- Permissible load burden shall be 400  $\Omega$  or better.

Bidder to submit data sheet/ document in support of above features.

**C- PQR applicable for Conductivity Probe code W96415203339 only**  
(Refer Note 1 below also)

- Sensor shall be continuous flow thru type with Cell constant of probe 0.05 or better.
- Material of electrodes shall be stainless steel.
- Temperature compensation thermometer Pt100 or Pt1000 shall also be fitted inside the sensor.

Bidder to submit data sheet/ document in support of above features.

**D- PQR applicable for Flow- Thru-chamber Chamber code W96415203347**

- Item shall be suitable for mounting Probe. Item automatically qualifies, on PQR qualification of Conductivity Probe/ Transmitter

**Notes: -**

- (1) Conductivity transmitter and Probe work in pair. Hence both Conductivity transmitter and Probe shall qualify their respective PQR independently, for purchase of either item. Failure to qualify PQR by either transmitter or Probe shall automatically disqualify the other.
- (2) The conductivity transmitter shall be used in Power Plant for DM water (used as cooling medium in Generator) conductivity measurement.
- (3) Bidder to provide reference list of customers of Conductivity Transmitter for our information.
- (4) Bidder to confirm specific compliance wherever asked. BHEL reserves the right to verify information submitted by Bidder. In case the information is found false/ incorrect/ incomplete, the offer shall be rejected.

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