

PQR for ACCELEROMETER
Code W96415207660

Date: 18/09/2019

- (1) Bidder shall be manufacturer or authorized supplier of Accelerometer. Letter of authorization or suitable document shall be submitted for the same.
- (2) Accelerometer shall have charge sensitivity of 25-100 pc/g, low magnetic sensitivity of 1-4 ms⁻²/Tesla, 10-32 UNF connector, mounting resonant frequency >10 KHz and frequency range 10 Hz to 1 KHz. Bidder to give confirmation and submit supporting datasheet for the same.
- (3) Bidder to confirm that offered Accelerometer has been successfully operational in Turbo Generator (of 200MW+ rating) for at least 6 months, in at least two projects. Bidder to submit Purchase Order and supporting document for the same. The said POs shall not be more than 7 years old from the date of Enquiry
- (4) Bidder to confirm that offered accelerometer is Approved by NTPC/ EIL/ Siemens/ Alstom/ BARC/ BEL (at least one) or by BHEL sister unit for similar application

Notes:-

- (5) The accelerometer shall be mounted for measurement of Stator End Winding (overhang) vibration inside Turbogenerator.
- (6) It is informed that Accelerometer shall be mounted on neutral stator bar of Generator which has near zero voltage. Voltage on phase bars shall be around 27KV.
- (7) It is informed that Generator shall be filled with pressurized Hydrogen of 5 kg/cm².
- (8) Bidder to furnish reference list of important customers/ projects for our information. List must contain Project name, Customer name, M/c rating, Year of commissioning etc.
- (9) 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, the offer shall be rejected.

PQR for MICRODOT CONNECTOR
Code W96415207687

Date: 18/09/2019

- (1) The bidder shall be manufacturer or authorized supplier of Microdot connector. Letter of authorization or suitable document shall be submitted for the same.
- (2) The Microdot connector shall be used on Very Low Noise (VLN) Cable. (cable Diameter shall be 3.2mm approx). Bidder to give confirmation for the same.
- (3) Besides cable, the connector shall be suitable for joining to miniature 10-32 UNF connector. Bidder to give confirmation and submit supporting details for the same.
- (4) Bidder to confirm that offered Microdot connector has been supplied to reputed consultant/ projects e.g NTPC/ EIL/ Siemens/ Alstom/ BARC/ BEL etc (at least one) or by BHEL sister unit for similar application. Bidder to submit supporting document for the same. The document shall not be more than 5 years old from the date of enquiry.
- (5) In case, BHEL Haridwar has no prior experience of offered Microdot connector, Bidder shall provide 3 pairs of microdot connectors (on BHEL request) free of cost, Non-returnable for our shop technicians to check connection with VLN cable. Bidder shall also provide 'Mounting Instructions' and tool kit (if required) for facilitating connection. Bidder to give confirmation to this condition

User/ shop clearance will be essential for technical clearance.

Notes:-

- (6) It is informed that Microdot connector with VLN cable will be routed inside Generator where there is near zero voltage. Voltage on other parts (stator bars) shall be around 27KV.
- (7) It is informed that Generator shall be filled with pressurized Hydrogen of 5 kg/cm².
- (8) 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, the offer shall be rejected.