

Mandatory Pre Qualification requirements for
H2 Gas Flow controller

- 1.0** H2 gas flow controller is used to measure & control the flow rate of H2 gas flowing through system.
- 2.0** The Vendor should be a regular manufacturer of such item and should have manufactured and supplied H2 gas flow controller with minimum following technical details –

Si no.	Product features	Details
1.	Measuring Principle	Thermal mass/Coriolis flow measurement
2.	Working pressure	8 kg/cm ²
3.	Medium	H2 Gas
4.	Measuring flow range	100-5000 l/h
5.	Material of wetted parts	SS316L
6.	Provision of Inbuilt Control valve	Required
7.	Protection of signal circuit	Explosion proof as per II 3 G/D Ex Na II T4
8.	Output signal	4 to 20 mA liner DC
9.	Protection Class	IP65

- 3.0** In support of above, vendor shall furnish their credential list, as per the following format for the past 10 years, with at least total supplied of 2 nos. over past 10 years from the date of issuance of enquiry.

S. No.	Detail of flow medium (i.e. type of gas)	Name & address of customer	Contact Details of the customer (email & phone number etc.)	Purchase order reference no.	Purchase order issue date	Material of wetted ports	Measuring flow range (M3/Hr)	Set Value of Flow rate of H2 Gas (M3/Hr)	Working pressure (kg/cm ²)
	H2 Gas Only								

- 4.0** In support of year of supply, vendor shall furnish copy of Purchase Order along in past (for the relevant PO's executed & indicated by vendor in table at point no. 3.0 above and qualifies the criteria at point 1.0, 2.0 & 3.0 above).
- 5.0** Vendor to furnish the Customer acceptance certificate or final accepted test report of H2 gas mass flow controller for one of the POs indicated in table at point 3.0. Acceptance certificate should contain information like item details and its application.
- 6.0** Vendor to submit each documents with marked-up Annexure no. clearly and also indicating "title" as mentioned in table at point 3.0 for co-relation of documents. In Case co-relation of documents is not mentioned by vendor & further non-receipt of details as per point no. 3.0, the vendor offer shall not be reviewed.
- 7.0** BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false / incorrect, the offer shall be rejected.
- 8.0** Vendors to confirm specific compliance of above requirement else offers will not be considered.

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