

## PQR/EME/TG174/01

Pre-Qualification requirements for Water meter as per spec. TG60297

**Description:** - Water meter is used to measure cumulative quantity of demineralized water. It is a turbine type water meter being used in primary water system of turbo generator. The water meters shall be suitable for mounting in horizontal direction of flow with flanged connections.

**Pre-Qualification requirements**

- 1.0 The vendor should be a regular manufacturer/authorized dealer of Water Meter with following requirements. In case of authorized dealer valid authorization letter from principle manufacturer to be submitted.

S. No.	Parameter	Value
(i)	Application fluid	Water
(ii)	Flow rate	0.2 m <sup>3</sup> /hr. (minimum)
(iii)	Working Pressure	≥5 bar
(iv)	Measuring accuracy	±2 % or better
(v)	Type	Cumulative
(vi)	Working principle	Turbine type

- 2.0 In support of above, vendor shall furnish technical details in below mentioned format for at least ten (10) nos. of water meter for the P.O. executed in past 10 years (from date of enquiry) along with P.O. copies meeting requirements as per point no. 1 above.

S. No.	Brief technical details	Application	Name address & of customer	Date of supply
	- Application fluid - Working pressure -Working Temperature - Measuring range - Material of body/flanges/inside parts -Measuring accuracy -Working principle	Water		

- 3.0 Vendor to furnish the test certificate (hydraulic and accuracy) for water meter against any one of the P.O. submitted against clause 2.
- 4.0 Acceptance certificate from one of the end user of water meter to be provided for any one of the P.O. submitted as per clause 2 (original certificate or through e-mail directly from the customer). Acceptance certificate should contain information like item details and its application or correlation with P.O.

**Note:** 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.

MANUFACTURER'S NAME AND ADDRESS			QUALITY PLAN					TO BE FILLED BY BHEL		TO BE FILLED BY BHEL				
BHEL	VENDOR'S NAME	ITEM			QP NO.									
					REV									
		DRG. NO.	AS PER PO											
		SPEC.	AS PER PO											
		REV				Page 1 of 1								
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS		CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS		AGENCY			REMARKS
											M	B	N	
1	2	3		4	5	6	7	8	9	D	10			11


MANUFACTURER/SUBCONTRACTOR		LEGEND:	FOR CUSTOMER USE	APPROVED BY
		! RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION.		
		M: MANUFACTURER / SUBCONTRACTOR    B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER		