

## ***SPECIAL INSTRUCTION***

This is to certified that this enquiry is being issued to “**M/s Krohne Marshall Pvt. Ltd.**” for supply of “Vortex Type Flow Meter”. No other vendor’s participation will be considered for the requirement of **Sagardighi (WBPDCI)** project. Hence, it is requested to please do not participate in this tender enquiry except aforesaid manufacturer / their authorized dealer etc.

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For and on behalf of BHEL

**Mandatory Pre-Qualification requirements for Vortex flow meter W96415002910(dual sensor) & W96415002902(single sensor) as per TG60665**

**Description:** - The vortex flow meter is used to measure volume flow of De-mineralized water at outlet of stator winding in Turbo generators. The vortex flow meters shall be suitable for mounting in horizontal/vertical direction of flow with flanged connections.

**Mandatory Pre-Qualification requirements**

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

Sl No.	Parameter	Value
(i)	Application fluid	DM Water
(ii)	Flow rate	$\geq 50 \text{ m}^3/\text{hr.}$
(iii)	Working Pressure	1.5 bar (minimum)
(iv)	Measuring accuracy	$\pm 0.75\%$ or better
(v)	Electrical output	4-20 mA, 2 wire output
(vi)	No. of sensor	Single/ Dual

- 2.0 In support of above, vendor shall furnish technical details in below mentioned format for at least five (5) nos. of vortex flow meter for the P.O executed in past 5 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
	<ul style="list-style-type: none"> <li>- Application fluid</li> <li>- Working pressure</li> <li>-Working Temperature</li> <li>- Flow rate</li> <li>- Material of body/flanges/inside parts</li> <li>-Measuring accuracy</li> <li>-No. of sensors for flow measurement.</li> </ul>	DM Water		

- 3.0 Vendor to furnish the test certificate of Vortex flow meter for any one of the P.O submitted against clause 2.
- 4.0 Acceptance certificate from one of the vendor's end user of vortex flow meter to be provided for any one of the P.O submitted as per clause 2.0. Acceptance certificate should contain information like item details and its application.

## **NON-DISCLOSURE AGREEMENT**

All Drawing and Technical Documents relating to the product or it's manufacture submitted by one party to the other, prior or subsequent to the formation of contract, shall remain property of the submitting party. Drawing, technical documents or other technical information received by one party, shall not without the consent of the other party, be used for any other purpose than that, for which they were provided. Such technical information shall not without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to a third party. Patterns supplied by BHEL will remain BHEL's property which shall be returned by the bidder on demand to BHEL. Bidder shall in no way share or use such intellectual property of BHEL to promote his own business with others. BHEL reserves the right to claim damages from the bidder, or take appropriate penal action as deemed fit against the bidder.

**Signature with stamp**

### **Quality Requirement will be as follows: -**

TESTING AND CERTIFICATION IS REQUIRED AS PER ORDERING DRAWING / DOCUMENTS/ SPECIFICATION.

### **Item details are as follows –**

- 1. MATERIAL CODE- W96415002910**  
VORTEX TYPE FLOWMETER NB100  
WITH DUAL SENSOR  
SPEC: TG60665 REV: 08  
**QTY- 01 Nos.**
  
- 2. MATERIAL CODE- W96415002902**  
VORTEX FLOWMETER NB100  
WITH SINGLE SENSOR  
SPEC: TG60665 REV: 08  
SIZE: NB100  
**QTY- 01 Nos.**