

Form-M-16  
Eligibility Criteria (Mandatory)

Annexure - A

For Electromagnetic, Ultrasonic and Mechanical (Woltman type Bulk) Flowmeter	
Vendor's Name	
Address	
1	<b>For Firms Registered in India :-</b> Company registration certificate and Memorandum & Article of Association issued by Registrar of Company / Partnership deed / Sole proprietorship deed issued by competent authority
2	<b>For Firms Registered Outside India :-</b> Company registration certificate and Memorandum & Article of Association issued by competent authority
3	<b>For Manufacturing unit situated in India :-</b> Registration Certificates of <b>manufacturing unit</b> , issued by DIC / ministry of commerce & Industries, govt. of India or any other competent authority clearly mentioning type of unit, such as Micro/ Small/ Medium / Large scale industrial unit OR Udyog Aadhar OR Factory License issued by competent authority
4	<b>For Manufacturing unit outside India :-</b> Registration Certificates of <b>manufacturing unit</b> , issued by competent authority clearly mentioning type of unit OR Factory License issued by competent authority
5	ISO 9001:2015 Certificate. Quality Management System
6	GST Registration Certificate
7	Income Tax Permanent No.
8	In-House testing facilities and calibration facility ( by volumetric method OR by gravimetric method ) available as per relevant standard followed for manufacturing and testing. (sample routine test reports / calibration reports should be enclosed)
9	Calibration reports from FCRI or any equivalent NABL accredited laboratory shall be submitted as detailed below: (i) When In-House calibration lab is not "NABL accredited" (ii) When In-House calibration lab is "NABL accredited" but upto certain size and firm applied for higher sizes (beyond the scope of NABL Accreditation) . In such case, firm have to submit calibration reports from FCRI or any equivalent NABL accredited laboratory for highest size as requested for approval
10	Portable water compliance certificate for Lining material of Flow Tube (for Electromagnetic flow meter and Clamp-on type Ultrasonic flow meter)

Signature valid

Digitally signed by Devendra Kumar Mittal  
Designation : Superintending Engineer  
Date: 2023.04.24 13:44:22 IST  
Reason: Approved

RajKaj Ref No. : 3662391



## Form M-16

11	Portable water compliance certificate for following material, in contact with flowing water: i) Electrodes (in Electromagnetic & Insertion type Ultrasonic flow meter) ii) Impeller or Paddle wheel ( in Mechanical flow meter)
12	Portable water compliance certificate for paint / coating material
13	Product Confirmatory Certificate issued by any third party inspecting agency such as SGS/ RITES/ DGV etc.for the product manufactured as per IS: 2373, IS: 779 or any other relevant standard or as per manufacturer's own standard but tested and calibrated as per IS: 2373, IS: 779, ISO/IEC:4064 and ISO:17025:2017 respectively.
14	Experience for manufacturing of Flow meters ( min. <b>3 years</b> )
15	Turn over: (i) For MSME firms of Rajasthan State - Turn Over of any single Financial Year (FY) in last 3 years: <b>Min. 3.0 Crores</b> (ii) For all firms, other than MSME firm of Rajasthan- Average Turn Over of the firm of best three Financial Years (FY) out of previous five years: <b>Min. 5.0 Crores</b>
16	Satisfactory performance certificates of supplies made in last five(5 yrs.) years, on different projects, to Centre government / State government / PSU's/ Government Bodies/ Local self Bodies/ Public Ltd. Co. etc.(atleast 3 Nos.)
17	Service support and after sales services network in India, including on-site calibration facility.
18	Degree of protection for Sensor (electrodes for EMF, Insertion type UFM etc.) shall be IP-68 (test reports should be submitted)
<b>Please note: If applicant does not fulfil any of the mandatory criteria (applicable), then the applicant shall not be considered for further evaluation.</b>	

Signature valid

Digitally signed by Devedra Kumar Mittal  
Designation : Superintending Engineer  
Date: 2023.04.24 16:44:22 IST  
Reason: Approved

RajKaj Ref No. : 3662391



# Form-M-16

## PHED Rajasthan

### Annexure "B"

### For Electromagnetic, Ultrasonic and Mechanical (Woltman type) Bulk Flowmeter

VENDOR EVALUATION (Marking on the basis of document submitted)						
Vendor's Name:						
Address:						
email:						
Sr. No	TITLE	Marks Allotted		Marks Obtained	Page No	Remarks
		Individual	Maximum			
<b>PART " A "</b>						
1	<b>General Manufacturing requirements:</b>					
1.1	<b>Registration of Firm</b>					
1.1.1	Firm registered in India	2	2			
1.1.2	Firm registered out side India	1				
1.2	<b>Licences</b>					
1.2.1	ISO 14001:2004 Certificate. Environment Management System	2	2			
1.2.2	ISO 18001:2004 Certificate (OHSAS) / ISO 45001, Occupational Health & safety management System	2	2			
1.2.3	Import & Export License issued by Ministry of Commerce & Industry- Government of India for Indian manufacturers and for outside India (foreign) manufacturers, licence issued by their competent authority allowing trade with or export to, India	2	2			
1.3	Manufacturing Unit Located within Rajasthan	3	3			
1.4	Reasurch and Designing (R & D) facility available	3	3			

**Signature valid**

Digitally signed by Devendra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 16:44:22 IST  
 Reason: Approved

RajKaj Ref No. : 3662391



1.5	In-House coating/painting facilities available	2	2			
1.6	Sufficient production staff like engineers, supervisors, skilled workers, other workers	2	2			
1.7	Plant and Machinery for the production of applied item(s)	2	2			
1.8	Machinery and Equipment for material handling	2	2			
1.9	Automation and Process control					
1.9.1	Use of CNC, VTM etc. or any other automated function	2	3			
1.9.2	Automation in calibration, if any	1				
			25			
2	<b>Quality control &amp; Quality assurance plan</b>					
2.1	Qc manual, written procedures, quality assurance plan	2	6			
2.2	Quality control staff like engineers, supervisors, skilled workers	2				
2.3	Certification from Quality Council of India or National Level quality Award or outstanding entrepreneurship award from government, if any	2				
			6			
3	<b>Experience in manufacturing of Electromagnetic/ Ultrasonic/ Mechanical (Woltman type) Bulk Flowmeter</b>					
3.1	More than 3 years and upto 6 years	2	5			
3.2	More than 6 years and upto 12 years	3				
3.3	More than 12 years	5				
			5			

Signature valid

Digitally signed by Devedra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 13:44:22 IST  
 Reason: Approved



4	<b>Financial Turn over- INR:</b>					
4.1	<b>For MSME firms of Rajasthan State - Turn Over of any single Financial Year (FY) in last 3 years:</b>					
4.1.1	More than 3 Crores and upto 6 Crores	2	5			
4.1.2	More than 6 Crores and upto 12 Crores	3				
4.1.3	More than 12 Crores and upto 20 Crores	4				
4.1.4	More than 20 Crores	5				
4.2	<b>For all firm other than MSME firms of Rajasthan- Average Turn Over of the firm of best three Financial Years (FY) out of previous five years:</b>					
4.2.1	More than 5 Crores and upto 10 Crores	2	5			
4.2.2	More than 10 Crores and upto 20 Crores	3				
4.2.3	More than 20 Crores and upto 35 Crores	4				
4.2.4	More than 35 Crores	5				
			5			
5	<b>After sales service</b>					
5.1	Service support and State level network for after sales services in Rajasthan, including availability of on-site calibration facility	2	2			
5.2	<b>Customer complaints resolution promptness</b>		2			
5.2.1	Affidavit to be submitted on non- judicial stam paper worth Rs. 100/-	1				
5.2.2	Feedback from officers of PHED Rajasthan	1				
			4			
	<b>Total PART 'A'</b>		45			

Signature valid

Digitally signed by Devendra Kumar  
Mittal  
Designation : Superintending Engineer  
Date: 2023.04.24 15:44:22 IST  
Reason: Approved



PART "B"					
1	Testing facility/ Test certificates				
1.1	Raw material				
1.1.1	Test certificates of material of Flow Tube, Flanges, Housing, Coil, Electrodes, sonic probes, Body, Bush, Gaskets, O-Ring, turbine or paddle wheel, Turbine Shaft etc. as applicable	4	6		
1.1.2	Test certificates of Lining material e.g. Hardness test, spark test, bond test etc. (wherever applicable)	2			
1.2	Finished Product				
1.2.1	If In-House testing facilities(laboratory) NABL accredited and accreditation certificate submitted (valid as on date of approval)	5			
1.2.2	Test reports of assorted sizes including max. size of accreditation, submitted by the firm	3	10		
1.2.3	Hydro test and Megger test report for electrode assembly for EMF/ UFM OR Hydrostatic test report for Bulk Flowmeter to be submitted, as applicable.	2			
1.3	Available gauges, measuring devices, testing equipment, meters, inspection aids, instrument of standard makes with calibration report from:				
1.3.1	NABL accredited laboratory for manufacturing Unit/s situated in India	2	2		
1.3.2	Equivalent to NABL	2			

**Signature valid**

Digitally signed by Devedra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 13:44:22 IST  
 Reason: Approves



	accredited laboratory for manufacturing Unit/s situated outside India					
			18			
2	<b>Supply Details</b>					
2.1	Supply orders of the product in last three(3 yrs.) years, to Centre government / State government / PSU's/ Government Bodies/ Local self Bodies/ Public Ltd. Co. etc..					
2.1.1	upto 5 Nos.	4	6			
2.1.2	More than 5 Nos.	6				
2.2	Pre-despatch TPI reports / Joint Inspection reports of the Supply orders submitted, in last three(3 yrs.) years, to Centre government / State government / PSU's/ Government Bodies/ Local self Bodies/ Public Ltd. Co. etc..					
2.2.1	upto 5 Nos.	4	6			
2.2.2	More than 5 Nos.	6				
2.3	Excellent / Very good performance certificates, issued by an officer not below the rank of Executive Engineer/ CEO/ Director, of supplies made in last five(5 yrs.) years on different projects, to Centre government / State government / PSU's/ government Bodies/ Local self Bodies/ Public Ltd. Co. etc.					
2.3.1	upto 3 Nos.	3	6			
2.3.2	More than 3 Nos.	6				

**Signature valid**

Digitally signed by Devendra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 12:44:22 IST  
 Reason: Approved

RajKaj Ref No. : 3662391



2.4	If firm is an approved vendor in any of the Centre government deptt./ State government deptt. / PSU's/ government Bodies/ Local self Bodies/ Public Ltd. Co. etc.and approval letter/s submitted	1 to 4	4			
			22			
	<b>Total PART 'B'</b>		40			
	<b>Grand Total ( Part A'+ Part 'B')</b>		85			
	Total marks obtained			0		
	%ge marks obtained			%		
	Qualifying marks			75%		
	Qualified (Yes/NO)					

## Signature valid

Digitally signed by Devendra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 13:44:22 IST  
 Reason: Approved

RajKaj Ref No. : 3662391



**PHED Rajasthan**

Annexure "C"

**For Electromagnetic, Ultrasonic and Mechanical (Woltman type Bulk)  
Flowmeter**

VENDOR EVALUATION (Marking on the basis of Shop Survey)						
Vendor's Name:						
Address:						
Date of Visit:						
Sr. No	TITLE	Marks Alloted		Marks Obtained	Page No	Remarks
		Individual	Maximum			
<b>PART " A "</b>						
1	<b>General Manufacturing requirements:</b>					
1.1	<b>Registration of Firm</b>					
1.1.1	Firm registered in India	2	2			
1.1.2	Firm registered out side India	1				
1.2	<b>Licences</b>					
1.2.1	ISO 14001:2004 Certificate. Environment Management System	2	2			
1.2.2	ISO 18001:2004 Certificate (OHSAS) / ISO 45001, Occupational Health & safety management System	2	2			
1.2.3	Import & Export License issued by Ministry of Commerce & Industry- Government of India for Indian manufacturers and for outside India (foreign) manufacturers, licence issued by their competent authority allowing trade with or export to, India	2	2			
1.3	Manufacturing Unit Located	3				

**Signature valid**

Digitally signed by Devendra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 15:44:22 IST  
 Reason: Approved



	within Rajasthan					
1.4	Research and Designing (R & D) facility available	3	3			
1.5	In-House coating/painting facilities available	2	2			
1.6	Sufficient production staff like engineers, supervisors, skilled workers, other workers	2	2			
1.7	Plant and Machinery for the production of applied item(s)	2	2			
1.8	Machinery and Equipment for material handling	2	2			
1.9	Automation and Process control					
1.9.1	Use of CNC, VTM etc. or any other automated function	2	3			
1.9.2	Automation in calibration, if any	1				
			25			
2	<b>Quality control &amp; Quality assurance plan</b>					
2.1	Qc manual, written procedures, quality assurance plan	2	6			
2.2	Quality control staff like engineers, supervisors, skilled workers	2				
2.3	Certification from Quality Council of India or National Level quality Award or outstanding entrepreneurship award from government, if any	2				
			6			
3	<b>Experience in manufacturing of Electromagnetic/ Ultrasonic/ Mechanical (Woltman type Bulk) Flowmeter</b>					
3.1	More than 3 years and upto 6 years	2	5			
3.2	More than 6 years and upto 12 years	3				
3.3	More than 12 years	5				
			5			
4	<b>Financial Turn over- INR:</b>					
4.1	<b>For MSME firms of Rajasthan State - Turn Over of any</b>					

Signature valid

Digitally signed by Devendra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 16:44:22 IST  
 Reason: Approved



	<b>single Financial Year (FY) in last 3 years:</b>					
4.1.1	More than 3 Crores and upto 6 Crores	2	5			
4.1.2	More than 6 Crores and upto 12 Crores	3				
4.1.3	More than 12 Crores and upto 20 Crores	4				
4.1.4	More than 20 Crores	5				
4.2	<b>For all firm other than MSME firms of Rajasthan- Average Turn Over of the firm of best three Financial Years (FY) out of previous five years:</b>					
4.2.1	More than 5 Crores and upto 10 Crores	2	5			
4.2.2	More than 10 Crores and upto 20 Crores	3				
4.2.3	More than 20 Crores and upto 35 Crores	4				
4.2.4	More than 35 Crores	5				
			5			
5.1	Service support and State level network for after sales services in Rajasthan, including availability of on-site calibration facility	2	2			
5.2	<b>Customer complaints resolution promptness</b>		2			
5.2.1	Affidavit to be submitted on non-judicial stamp paper worth Rs. 100/-	1				
5.2.2	Feedback from officers of PHED Rajasthan	1				
			4			
	<b>Total PART 'A'</b>		<b>45</b>			
	<b>PART "B"</b>					
1	<b>Testing facility/ Test certificates</b>					
1.1	<b>Raw material</b>					
1.1.1	Test certificates of material of Flow Tube, Flanges, Housing, Coil, Electrodes, sonic probes, Body, Bush, Gaskets, O-Ring, turbine or paddle wheel, Turbine	4	6			

Signature valid

Digitally signed by Devendra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 15:44:22 IST  
 Reason: Approved



	Shaft etc. as applicable					
1.1.2	Test certificates of Lining material e.g. Hardness test, spark test, bond test etc. (wherever applicable)	2				
1.2	<b>Finished Product</b>					
1.2.1	If In-House testing facilities(laboratory) NABL accredited and accreditation certificate submitted (valid as on date of approval)	5	10			
1.2.2	Test reports of assorted sizes including max. size of accreditation, submitted by the firm	3				
1.2.3	Hydro test and Megger test report for electrode assembly for EMF/ UFM OR Hydrostatic test report for Bulk Flowmeter to be submitted, as applicable.	2				
1.3	Available gauges, measuring devices, testing equipment, meters, inspection aids, instrument of standard makes with calibration report from:					
1.3.1	NABL accredited laboratory for manufacturing Unit/s situated in India	2	2			
1.3.2	Equivalent to NABL accredited laboratory for manufacturing Unit/s situated outside India	2				
			18			
2	<b>Supply Details</b>					
2.1	Supply orders of the product in last three(3 yrs.) years, to Centre government / State government / PSU's/ Government Bodies/ Local self Bodies/ Public Ltd. Co. etc..					
2.1.1	upto 5 Nos.	4	6			
2.1.2	More than 5 Nos.	6				
2.2	Pre-despatch TPI reports / Joint Inspection reports of the Supply orders submitted, in last three(3 yrs.) years, to Centre government / State					

Signature valid

Digitally signed by Devendra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 16:44:22 IST  
 Reason: Approved



	government / PSU's/ Government Bodies/ Local self Bodies/ Public Ltd. Co. etc..					
2.2.1	upto 5 Nos.	4	6			
2.2.2	More than 5 Nos.	6				
2.3	Excellent / Very good performance certificates, issued by an officer not below the rank of Executive Engineer/ CEO/ Director, of supplies made in last five(5 yrs.) years on different projects, to Centre government / State government / PSU's/ government Bodies/ Local self Bodies/ Public Ltd. Co. etc.					
2.3.1	upto 3 Nos.	3	6			
2.3.2	More than 3 Nos.	6				
2.4	If firm is an approved vendor in any of the Centre government deptt./ State government deptt. / PSU's/ government Bodies/ Local self Bodies/ Public Ltd. Co. etc.and approval letter/s submitted	1 to 4	4			
			22			
	<b>Total PART 'B'</b>		<b>40</b>			
	<b>"PART- C"</b>					
1	<b>Specific Observations during Shop Survey:</b>					
1.1	Open space within factory premises with respect to manufacturing items	1	13			
1.2	Build-up space within factory premises with respect to manufacturing items	1				
1.3	Shop layout and defined areas/ sheds for separate production activities with respect to Manufacturing items	1				
1.4	Storage area/ shed for raw material	1				
1.5	Storage area/ shed for finished product	1				
1.6	Production Planning/ Application	1				

Signature valid

Digitally signed by Devedra Kumar  
Mittal  
Designation : Superintending Engineer  
Date: 2023.04.24 16:44:22 IST  
Reason: Approved



1.7	Raw Material/ Component Procurement (systematic)	1			
1.8	Quality checks on incoming castings & fabrications	1			
1.9	Calibration and Testing facilities available as per standard	1			
1.10	In- Process checks	1			
1.11	Extent of supervision	1			
1.12	Traceability	1			
1.13	Packing, marking, dispatching facilities	1			
			13		
2	<b>Social Responsibility &amp; Legal Compliance.</b>				
2.1	Significant work done related to social responsibility within last three years	1	2		
2.2	No Child Labour seen	1			
			2		
	<b>Total PART 'C'</b>		15		
	<b>Grand Total ( Part A'+ Part 'B'+ Part 'C')</b>		100		
	Total marks obtained			0	
	%ge marks obtained			%	
	Qualifying marks			75%	
	Qualified (Yes/NO)				

Signature valid

Digitally signed by Devendra Kumar Mittal  
 Designation : Superintending Engineer  
 Date: 2023.04.24 16:44:22 IST  
 Reason: Approved

RajKaj Ref No. : 3662391

