

FORM M-1

Eligibility Criteria (Mandatory):

Applicable for Valves other than Flow control valve (FCV – Plunger/ diaphragm type) and Pressure Reducing Valves (PRV- Diaphragm type)

Sr. No	TITLE	Page No	Remarks
1	For Firms Registered in India :- Company registration certificate and Memorandum & Article of Association issued by Registrar of Company / Partnership deed / Sole proprietorship deed issued by competent authority		
2	For Firms Registered Outside India :- Company registration certificate and Memorandum & Article of Association issued by competent authority		
3	For Manufacturing unit situated in India :- Registration Certificates of manufacturing unit, 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	For Manufacturing unit outside India :- Registration Certificates of manufacturing unit, 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 available for Routine tests for the product as per BIS code OR as per relevant standard followed for manufacturing such as AWWA or BS-EN or any other standard. (sample routine test reports of assorted size should be enclosed)		
9	Product Confirmatory Certificate issued by SGS/ DGV etc. for the product manufactured as per standards other than BIS (i.e. AWWA, BS-EN, DIN, IEC etc). Date of issue of this certificate should not be prior to 2 years on the date of submission of application.		
10	Portable water complaine certificate for EPDM		
11	Portable water complaine certificate for Paint/ Powder coating		
12	Experience for manufacturing of Valves (Min. 10 years)		
13	Turn over in last FY (Min. 10 Crores)		
14	Satisfactory performance certificates of supplies made in last five(5 yrs.) years, on different projects, to government department/ semi-govt. Deptt. (atleast 5 Nos.)		
15	Service support and after sales services network in India		

Please note: If applicant does not fulfill any of the mandatory criteria (applicable), then the applicant shall not be considered for further evaluation .

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Annexure "B"

Applicable for Various type of Valves other than Flow control valve (FCV – Plunger/ diaphragm type) and Pressure Reducing Valves (PRV- Diaphragm type)

VENDOR EVALUATION (Marking on the basis of document submitted)

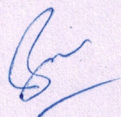
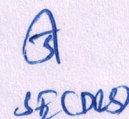
VENDOR'S NAME			
ADDRESS			
PRODUCT NAMES			
Sr. No	TITLE	Page No	Remarks
	PART " A "		
1	General Manufacturing requirements:		
1.1	Registration of Firm		
1.1.1	Firm registered in India		
1.1.2	Firm registered out side India		
1.2	Licences		
1.2.1	BIS licence of the product available with vendor (if applicable for the product)		
1.2.2	In case BIS is not available for the product and product is manufactured as per other standard (i.e. AWWA, BS-EN, DIN, IEC etc)		
1.2.3	In case BIS is available for the product and even than product is manufactured as per other standard (i.e. AWWA, BS-EN, DIN, IEC etc)		
1.2.4	ISO 14001:2004 Certificate. Environment Management System		
1.2.5	ISO 18001:2004 Certificate (OHSAS) / ISO 45001		
1.2.6	Import & Export License		
1.3	Manufacturing Unit Located within Rajasthan		
1.4	R&D Facilities:		

Sr. No	TITLE	Page No	Remarks
1.4.1	Designing facility available		
1.4.2	In-house Type Test facilities, testing equipments available as per relevant standard		
1.5	Powder Coating Facility		
1.5.1	In-House		
1.5.2	Out- sourced		
1.6	Production staff like engineers, supervisors, skilled workers, other workers		
1.7	Plant and Machinery for the production of listed items		
1.8	Machinery and Equipment for material handling		
1.9	Automation and Process control		
2	Quality control & Quality assurance plan		
2.1	Qc manual, written procedures, quality assurance plan		
2.2	Quality control staff like engineers, supervisors, skilled workers		
2.3	National Level quality Award, research & development award or outstanding entrepreneurship award from government		
3	Experience in manufacturing of Valves		
3.1	10 to 20 years		
3.2	More than 20 years		
4	Turn over INR		
4.1	10 to 20 Crores		
4.2	21 to 50 Crores		
4.3	More than 50 Crores		
5	After sales service		
5.1	Service support and State level network for after sales services in Rajasthan		
5.2	Customer complaints resolution promptness (Affidavit to be submitted on non- judicial stamp paper worth Rs. 100/-)		

Sr. No	TITLE	Page No	Remarks
	<u>PART "B"</u>		
1	Testing facility/ Test certificates		
1.1	Raw material		
1.1.1	ISO 9001:2015 of Foundary with which Tie-Up for casting		
1.1.2	Raw material Test certificates submitted (report from NABL accredited lab submitted)		
1.1.3	Test reports of HEAT (batch just before casting) submitted		
1.2	Finished Product		
1.2.1	Finished product test reports submitted as per applicable BIS code OR as per relevant standard followed for manufacturing such as AWWA or BS-EN		
1.2.1.1	In-House Type Test reports submitted as per enclosed Annexure "A"		
1.2.1.3	If In-House Type test facility not available, Type test Reports from FCRI or any NABL accredited laboratory submitted as per enclosed Annexure "A"		
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		
1.3.2	Equivalent to NABL accredited laboratory for manufacturing Unit/s situated outside India		
2	Supply Details		
2.1	Supply orders of the product in last three(3 yrs.) years, to Centre government / State government , submitted		
2.1.1	Min. 5 Nos.		
2.1.2	More than 5 Nos.		
2.2	Supply orders of the product in last three(3 yrs.) years, to PSU's/ Government Bodies/ Local self Bodies/ Public Ltd. Co. etc. submitted		
2.2.1	Min. 5 Nos.		
2.2.2	More than 5 Nos.		

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Sr. No	TITLE	Page No	Remarks
2.3	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..		
2.3.1	min. 5 Nos.		
2.3.2	More than 5 Nos.		
2.4	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.		
2.4.1	min. 5 Nos.		
2.4.2	More than 5 Nos.		

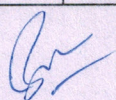
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Annexure "C"

Applicable for Valves other than Flow control valve (FCV – Plunger/ diaphragm type) and Pressure Reducing Valves (PRV- Diaphragm type)

VENDOR EVALUATION (Marking on the basis of Shop Survey)

ADDRESS			
PRODUCT NAMES			
DATE of VISIT			
Sr. No	TITLE	Page No	Remarks
	<u>PART " A "</u>		
1	General Manufacturing requirements:		
1.1	Registration of Firm		
1.1.1	Firm registered in India		
1.1.2	Firm registered out side India		
1.2	Licences		
1.2.1	BIS licence of the product available with vendor (if applicable for the product)		
1.2.2	In case BIS is not available for the product and product is manufactured as per other standard (i.e. AWWA, BS-EN, DIN, IEC etc)		
1.2.3	In case BIS is available for the product and even than product is manufactured as per other standard (i.e. AWWA, BS-EN, DIN, IEC etc)		
1.2.4	ISO 14001:2004 Certificate. Environment Management System		
1.2.5	ISO 18001:2004 Certificate (OHSAS) / ISO 45001		
1.2.6	Import & Export License		
1.3	Manufacturing Unit Located within Rajasthan		
1.4	R&D Facilities:		
1.4.1	Designing facility available		



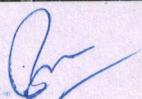

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1.4.2	In-house Type Test facilities, testing equipments available as per relevant standard		
1.5	Powder Coating Facility		
1.5.1	In-House		
1.5.2	Out- sourced		
1.6	Production staff like engineers, supervisors, skilled workers, other workers		
1.7	Plant and Machinery for the production of listed items		
1.8	Machinery and Equipment for material handling		
1.9	Automation and Process control		
2	Quality control & Quality assurance plan		
2.1	Qc manual, written procedures, quality assurance plan		
2.2	Quality control staff like engineers, supervisors, skilled workers		
2.3	National Level quality Award, research & development award or outstanding entrepreneurship award from government		
3	Experience in manufacturing of Valves		
3.1	10 to 20 years		
3.2	More than 20 years		
4	Turn over Rs.		
4.1	10 to 20 Crores		
4.2	21 to 50 Crores		
4.3	More than 50 Crores		
5	After sales service		
5.1	Service support and State level network for after sales services in Rajasthan		
5.2	Customer complaints resolution promptness (Affidavit to be submitted on non- judicial stamp paper worth Rs. 100/-)		
	<u>PART "B"</u>		
1	Testing facility		
1.1	Raw material		
1.1.1	ISO 9001:2015 of Foundry with which Tie-Up for casting		

1.1.2	Raw material Test certificates submitted (report from NABL accredited lab submitted)		
1.1.3	Test reports of HEAT (batch just before casting) submitted		
1.2	Finished Product		
1.2.1	Finished product test reports submitted as per applicable BIS code OR as per relevant standard followed for manufacturing such as AWWA or BS-EN		
1.2.1.2	In-House Type Test reports submitted as per enclosed Annexure "A"		
1.2.1.3	If In-House Type test facility not available, Type test Reports from FCRI or any NABL accredited laboratory submitted as per enclosed Annexure "A"		
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		
1.3.2	Equivalent to NABL accredited laboratory for manufacturing Unit/s situated outside India		
2	Supply Details		
2.1	Supply orders of the product in last three(3 yrs.) years, to Centre government / State government , submitted		
2.1.1	Min. 5 Nos.		
2.1.2	More than 5 Nos.		
2.2	Supply orders of the product in last three(3 yrs.) years, to PSU's/ Government Bodies/ Local self Bodies/ Public Ltd. Co. etc. submitted		
2.2.1	Min. 5 Nos.		
2.2.2	More than 5 Nos.		
2.3	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..		
2.3.1	min. 5 Nos.		
2.3.2	More than 5 Nos.		

31
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2.4	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.		
2.4.1	min. 5 Nos.		
2.4.2	More than 5 Nos.		
	<u>"PART- C"</u>		
1	Specific Observations during Shop Survey:		
1.1	Open space within factory premises with respect to manufacturing items		
1.2	Build-up space within factory premises with respect to manufacturing items		
1.3	Shop layout and defined areas/ sheds for separate production activities with respect to Manufacturing items		
1.4	Storage area/ shed for raw material		
1.5	Storage area/ shed for finished product		
1.6	Production Planning/ Application		
1.7	Raw Material/ Component Procurement (systematic)		
1.8	Packing, marking, dispatching facilities		
1.9	Traceability		
1.10	In- Process checks		
1.11	Extent of supervision		
2	Social Responsibility & Legal Compliance.		
2.1	Significant work done related to social responsibility within last three years		
2.2	No Child Labour seen		



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5/2/2015

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Annexure "A"

Tests to be performed on various types of Valves other than Flow control valve (FCV – Plunger/ diaphragm type) and Pressure Reducing Valves (PRV- Diaphragm type)

TESTS

S.N	Type of Valve	Routine Test		Type Test		Remarks
		Test	Relavent Standard/ Code	Test	Relavent Standard/ Code	
1	Sluice/Gate Valve (Metal seated) (Material - CI or alternatively DI)	1. Functional test	Each Valve ensure the free & proper functioning of parts in the intended manner			Type Test Reports of following size(s) are to be submitted from: (i) FCRI or any NABL accredited lab (ii) In-House Type Test report if manufacturer is having In-House facility for Type tests as per relavent Standard/ Code
		2. Hydrostatic Test - a. Body test b. Seat test	Each valve per IS: 14846:2000 10.1.1 & Annexure B			
		3. Test for Stem - Flaw Detection Liquid penetrant test	As per IS: 14846:2000 Clause 10.2.1.1 and in accordance with IS 3658. Sampling should be as per Annex C and for valves of size 700mm to 1200 mm, every stem shall be subjected to test			
2	Sluice/Gate Valve / Isolating Valve Resilient Seated (Material - DI)	1. Functional test	Each valve per Clause 5.1.2 of AWWA-C515-09 or as per EN- 1074-1	1. Hydrostatic Test - a. Body test b. Seat test	As per Clause 5.1.1.1 of AWWA-C515-09 or as per EN- 1074-1:2000 and EN- 1074-2 clause 5.2 & 5.2.2	Seeking approval for sizes as below: Upto 300mm - 1 No. valve of any size upto 300mm Upto 600mm - 1 No. valve of size 400-600mm Upto 1200mm- 1 No. valve of size 800-1200mm

TESTS					
S.N	Type of Valve	Routine Test		Type Test	
		Test	Relavent Standard/ Code	Test	Relavent Standard/ Code
					Type Test Reports of following size(s) are to be submitted from: (i) FCRI or any NABL accredited lab (ii) In-House Type Test report if manufacturer is having In-House facility for Type tests as per relavent Standard/ Code
		2. Hydrostatic Test - a. Body test b. Seat test	Each valve As per Clause 5.1.2.2 & 5.1.2.3 AWWA C515-09 or as per EN-1074-1:2000 & EN-1074-2:2000	2. Torque test	As per Cl. 5.1.1.2 of AWWA C515-09 or as per EN-1074-1:2000
				3. Endurance test (Life cycle test)	As per BS EN 1074-2-clause 5.5 Applicable for DN 50-500
				Manually operated valve	250 cycles
				Actuator operated valve	2500 cycles
3	Butterfly Valve (Material - CI alternatively DI)	1. Functional test or	Each valve per IS: 13095: 1991 Clause 17.1 or AWWA C 504-06 clause 5.1.1	1. Hydrostatic Test - a. Body test b. Seat test	As per AWWA C 504-06 Clause 5.1.4.2
		2. Hydrostatic Test - a. Body test b. Seat test c. Disc strength test	Each valve per IS: 13095: 1991 Clause 17.2, 17.3 & 17.4 or as per AWWA C 504-06 clause 5.1.2.1 & 5.1.3	Endurance test (Life cycle test)	As per AWWA C 504-06 Clause 5.1.4.3
			For CI Metal Seated valves tests should be as per IS:13095:1991		75-500 mm- 10000 Cycles
					600-1050 mm- 5000 Cycles 1200-1800 mm- 1000 Cycles
					Seeking approval for sizes as below: upto 300mm - 1 No. valve of any size upto 300mm Upto 600mm - 1 No. valve of size 400-600mm Upto 1200mm - 1 No. valve of size 800-1200mm Upto 2000mm - 1 No. valve of size 1500- 1800mm

TESTS

S.N	Type of Valve	Routine Test		Type Test		Remarks
		Test	Relavent Standard/ Code	Test	Relavent Standard/ Code	
4	Swing Check Valve (NRV) (Material- CI or Alternatively DI)	1. Functional test	Each Valve To ensure the free & proper functioning of parts in the intended manner	Endurance test (Life cycle test)	EN-1074-3 clause 5.5 & Annexure A 2500 cycles	Type Test Reports of following size(s) are to be submitted from: (i) FCRI or any NABL accredited lab (ii) In-House Type Test report if manufacturer is having In-House facility for Type tests as per relavent Standard/ Code Seeking approval for sizes as below: upto 300mm - 1 No. valve of any size upto 300mm Upto 600mm - 1 No. valve of size 400-600mm;
		2. Hydrostatic Test - a. Body test b. Seat test	Each valve As per IS 5312 (part-I): 2004 clause 8.2 & 8.3 or As per AWWA C508-93 clause 5.2.1 & 5.2.2 or EN-1074-3 & EN- 1074- 1, EN-12266			
5	Dual Plate Check Valve (Material- CI or Alternatively DI)	1. Functional test	Each Valve As per API 594:1997 & 598 To ensure the free & proper functioning of parts in the intended manner			
		2. Pressure Test -	Each valve per API 594:1997 & 598 :2004 clause 6.2			
6	Kinetic Air valve Resilient Seated (Material- CI or Alternatively DI)	1. Functional test	Each Valve per IS 14845:2000 clause 12.4.1	Endurance test (Life cycle test)	EN-1074-4 clause 5.5.1 250 cycles	1 No. valve of any size
		2. Hydrostatic Test - a. Body test b. Seat test	Each Valve per IS 14845:2000 clause 12.4.4 and 12.4.2 & 12.4.3 or As per AWWA C 512-99 clause 5.1.1 & 5.1.3 or As per EN-1074-4 clause 5.2.1 & 5.2.2 & EN- 1074-1 clause 5.1.1 EN-12266			

TESTS					
S.N	Type of Valve	Routine Test		Type Test	
		Test	Relavent Standard/ Code	Test	Relavent Standard/ Code
					Type Test Reports of following size(s) are to be submitted from: (i) FCRI or any NABL accredited lab (ii) In-House Type Test report if manufacturer is having In-House facility for Type tests as per relavent Standard/ Code
7	Tamper Proof single chamber tripple action Air valve (Material- DI)	1. Functional test 2. Hydrostatic Test - a. Body test b. Seat test	Each Valve per AWWA 512-99 As Each Valve per AWWA C 512-99 clause 5.1.1 & 5.1.3 or As per EN-1074-4 clause 5.2.1 & 5.2.2 & EN- 1074-1 clause 5.1.1 EN-12266	Endurance test (Life cycle test)	EN-1074-4 clause 5.5.1 250 cycles
					1 No. valve of any size