

FORM M-19**PHED Rajasthan****ANNEXURE - A****Eligibility Criteria (Mandatory):****For Manufacturers of Variable Frequency Drives (VFD)**

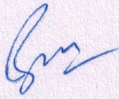
Name of Vendor	
Registered Address	
Factory Address	
E-mail:	

Sr. No.	Particulars	Page No.	Remarks
1	Registration Certificate of Firm (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	Registration of 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 available with vendor		
6	Valid ISO 27001:2013 certification (Information Security Management System) available with vendor		
7	GST Registration Certificate		
8	Income Tax Permanent No.		
9	In-House testing facilities available for Routine tests for VFD as per IEC 61800. In House test reports for Functional operation test , Insulation Resistance test and Power up & Basic Load test etc. be submitted		
10	Type test reports shall be submitted from any NABL accredited or equivalent international accredited labs for compliance to IEC 61800 series such as IEC 61800-5-1 and IEC 61800-3. Manufacturer may submit CE certification with DoC (declaration of conformity) or UL/cUL 508C		
11	All control and power PCBs of VFD shall have conformal coating, to protect against humidity, dust, and corrosive atmosphere as per IEC 60721-3-3 with Silicon / Polyurethane or higher quality material. Self declaration shall be submitted		

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12	Experience for design, manufacturing and testing of VFD (Min. 5 years)		
13	Turn over {Average Turn Over of the firm of best three Financial Years (FY) out of previous five years shall be considered} (Min. Rs. 25 Crores)		
14	Satisfactory performance certificates from End User for supplies made and project executed 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. be submitted (atleast 5 Nos.)		
15	Service support and after sales service network in India- details should be submitted including remote support facility		
16	Ingress Protection certificate shall be submitted - IP20 for VFD		

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



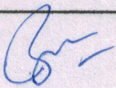
FORM M-19**ANNEXURE- B-1****PHED Rajasthan****For Manufacturers of Variable Frequency Drives (VFD)****VENDOR EVALUATION (Marking on the basis of document submitted)**

Name of Vendor			
Registered Address			
Factory Address			
E-mail:			
Sr. No	Particulars	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	Certifications		
1.2.1	ISO 14001:2004 Certificate. Environment Management System		
1.2.2	ISO 18001:2004 Certificate (OHSAS) / ISO 45001, Occupational Health & safety management System		
1.2.3	Vendor should be CE marked / UL listed or equivalent international certification should available with vendor		
1.2.4	Certificate of complainece of IEC 62443-4-1:2018 : (secure development life-cycle (SDL) requirements related to cybersecurity for products intended for use in the industrial automation and control systems environment), available with vendor		
1.2.5	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		
1.3	Manufacturing Unit Located in India		
1.4	Production staff like engineers, supervisors, skilled workers, other workers		
1.5	Machinery and Equipments available with vendor for the production of VFD		
1.6	Machinery and Equipment for material handling		
1.7	Automation and Process control in manufacturing and testing		
2	Quality control & Quality assurance plan		



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2.1	Qc manual / written procedures and 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 of manufacturing		
3.1	5 to 10 years		
3.2	10 to 20 years		
3.3	More than 20 years		
4	Turn over INR {Average Turn Over of the firm of best three Financial Years (FY) out of previous five years shall be considered}		
4.1	More than 25 Crores and upto 50 Crores		
4.2	More than 50 Crores and upto 100 Crores		
4.3	More than 100 Crores and upto 150 Crores		
4.4	More than 150 Crores		
5	After sales service		
5.1	Service support and after sales services in Rajasthan, including component /spare parts availability and on-site training, if required		
5.2	Customer complaints resolution promptness		
5.2.1	Affidavit to be submitted on non- judicial stamp paper worth Rs. 100/-		
5.3	Feedback from officers of PHED Rajasthan for review of approved vendors and from officers of any govt. / local bodies of other state / PSUs etc for new vendor submissions.		



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PART "B"			
1	Testing facility/ Test certificates		
1.1	If In-House testing facilities are NABL Accredited		
1.2	Test Certificate of Conformal Coating on Power & control PCBs will be submitted		
1.3	Finished Product		
1.3.1	In-House reports for tests conducted on finished product to ensure functionality, Insulation test, Protection test, Control test, Communication test and Panel testing etc. - Factory Acceptance		
1.4	Available gauges, measuring devices, testing equipment, meters, inspection aids, instrument of standard makes with calibration report from:		
1.4.1	NABL accredited laboratory for manufacturing Unit/s situated in India		
1.4.2	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 / PSU's/ Government Bodies/ Local self Bodies/ Public Ltd. Co. etc..		
2.1.1	Min. Upto 5 Nos.		
2.1.2	More than 5 Nos.		
2.2	Pre-despatch TPI reports / Joint Inspection reports against POs, 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	min. 5 Nos.		
2.2.2	More than 5 Nos.		
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	min. Upto 3Nos.		
2.3.2	More than 3 Nos.		
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		

FORM M-19**ANNEXURE- C****PHED Rajasthan****For Manufacturers of Variable Frequency Drives (VFD)****VENDOR EVALUATION (Marking on the basis of Shop Survey and document submitted)**

Name of Vendor

Registered Address

Factory Address

E-mail:

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**Certifications****1.2.1**

ISO 14001:2004 Certificate. Environment Management System

1.2.2

ISO 18001:2004 Certificate (OHSAS) / ISO 45001, Occupational Health & safety management System

1.2.3

Vendor should be CE marked / UL listed or equivalent international certification should available with vendor

1.2.4

Certificate of complainece of IEC 62443-4-1:2018 : (secure development life-cycle (SDL) requirements related to cybersecurity for products intended for use in the industrial automation and control systems environment), available with vendor

1.2.5

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

1.3

Manufacturing Unit Located in India

1.4

Production staff like engineers, supervisors, skilled workers, other workers

1.5

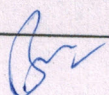
Machinery and Equipments available with vendor for the production of VFD

1.6

Machinery and Equipment for material handling

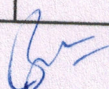
1.7

Automation and Process control in manufacturing and testing



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2	Quality control & Quality assurance plan		
2.1	Qc manual / written procedures and 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 of manufacturing		
3.1	5 to 10 years		
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4	Turn over INR {Average Turn Over of the firm of best three Financial Years (FY) out of previous five years shall be considered}		
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4.4	More than 150 Crores		
5	After sales service		
5.1	Service support and after sales services in Rajasthan, including component /spare parts availability and on-site training, if required		
5.2	Customer complaints resolution promptness		
5.2.1	Affidavit to be submitted on non- judicial stamp paper worth Rs. 100/-		
5.3	Feedback from officers of PHED Rajasthan for review of approved vendors and from officers of any govt. / local bodies of other state / PSUs etc for new vendor submissions.		



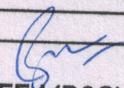
FORM M-19**PART "B"**

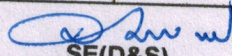
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1.2	Test Certificate of Conformal Coating on Power & control PCBs will be submitted		
1.3	Finished Product		
1.3.1	In-House reports for tests conducted on finished product to ensure functionality, Insulation test, Protection test, Control test, Communication test and Panel testing etc. - Factory Acceptance reports		
1.4	Available gauges, measuring devices, testing equipment, meters, inspection aids, instrument of standard makes with calibration report from:		
1.4.1	NABL accredited laboratory for manufacturing Unit/s situated in India		
1.4.2	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 / PSU's/ Government Bodies/ Local self Bodies/ Public Ltd. Co. etc..		
2.1.1	Min. Upto 5 Nos.		
2.1.2	More than 5 Nos.		
2.2	Pre-despatch TPI reports / Joint Inspection reports against POs, 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	min. 5 Nos.		
2.2.2	More than 5 Nos.		
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.		
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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		

Govt

FORM M-19**"PART- C"**

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	Proper Storage area for raw material		
1.5	Defined Storage area for finished product		
1.6	Production Planning/ Application		
1.7	Raw Material Procurement (systematic)		
1.8	Varification of certifications		
1.9	Varification of Testing facilities		
1.10	In- Process checks and Extent of supervision		
1.11	Traceability		
1.12	Packing, marking, dispatching facilities		
1.13	Test/s witnessed		
2	Social Responsibility & Legal Compliance.		
2.1	Significant work done related to social responsibility within last three years		
2.2	No Child Labour seen		


EE-1 (D&S)
PHED, JAIPUR


SE(D&S)
PHED, JAIPUR