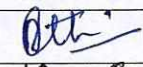

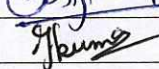

 BHOPAL	TECHNICAL PRE-QUALIFICATION REQUIREMENTS (PQR) FOR VENDORS FOR EOI	PQR/ISE/AA25101/EOI/2018/19
	INSULATION SYSTEMS ENGINEERING	Rev. No.: 01
	<b>PRE-QUALIFICATION REQUIREMENTS (PQR) FOR VENDORS FOR RESIN RICH EPOXY NOVOLAC RESIN BONDED GLASS FABRIC BACKED MICA PAPER TAPE TO BHEL SPECIFICATION AA-25101</b>	Rev. Dt.: 06/11/2020
		Sht. 1 of 4 shts.

BHEL is manufacturing various types of rotating electrical machines (motors & generators) for power plants / industries / traction applications etc. In these machines, various types of insulating materials are required for providing proper electrical isolation between live and earthed parts. These motors and generators have a very long expected working life.


This specification details the Pre-Qualification Requirements for vendors for supplying resin rich, epoxy novolac resin bonded, glass fabric backed, muscovite (preferably calcined) mica paper based tape to BHEL spec. AA 25101. This material is used as main slot insulation in stator bars/ coils of hydro generators with insulation Class-F. The annual procurement quantity of this material is to the tune of 30 lakh metres. This PQR is being issued for identification/ location of additional vendors for this material.

Pointwise compliance to be submitted by interested vendors as per details below.

Cl. No	Description	Vendor to comment	
		Complied	Relevant supporting documents to be submitted
1.	Offers of only original manufacturers or their authorized distributors are acceptable.	Yes/No	Certificate/ documentary evidence of being original manufacturer of this item  For authorized distributor : Valid letter of authorization from the principal
2	Complete compliance to technical specification AA25101	Yes/No	Clause by clause acceptance or signed & stamped copy of specification AA25101 to be submitted.  However, any minor deviations will also be acceptable if the material meets our application requirements. The technical decision to accept/ decline deviations rests with BHEL.  Deviations if any, to be clearly specified.

Distribution:	Date of Rev. 00: 04/05/2018	Name	Signature
CIM MDX QFD HGE ISE	Prepared by	Abha Otti	
	Checked by	Nidhi Gupta	
	Approved by	Anirudha Tijare	
	Issued by	Gautam Kumar	
BHEL, BHOPAL			



 BHOPAL	TECHNICAL PRE-QUALIFICATION REQUIREMENTS (PQR) FOR VENDORS FOR EOI		PQR/ISE/AA25101/EOI/2018/19
	INSULATION SYSTEMS ENGINEERING		Rev. No.: 01
	PRE-QUALIFICATION REQUIREMENTS (PQR) FOR VENDORS FOR RESIN RICH EPOXY NOVOLAC RESIN BONDED GLASS FABRIC BACKED MICA PAPER TAPE TO BHEL SPECIFICATION AA-25101		Rev. Dt.: 06/11/2020
			Sht. 2 of 4 shts.


  

Sl. No	Description	Vendor to comment	
		Complied	Relevant supporting documents to be submitted
3.	The firm must have adequate manufacturing facilities at their works/ in-house for manufacturing this material.	Yes/No	1. List of plant & machinery facilities available for manufacturing the said item, at manufacturer's works to be provided. 2. Pictures of manufacturing facility to be submitted. 3. Process flow chart indicating step by step process of manufacturing of final product from raw material.
4.	Testing facilities required to conduct all the tests as per spec. AA-25101 must be available with the firm. List of outsourced facilities, if any, to be submitted. Outsourced labs/ firms should be Govt/ NABL/ ISO/ IEC accredited	Yes/No	Details of testing facilities available with the firm required for testing of said item along with list of outsourced facilities (if used), to be provided
5.	The firm should have minimum manufacturing capacity of 2.5 lakh meters per month & monthly peak capacity of 4 lakh meters of tape width 25mm or equivalent.	Yes/No	Confirmation to be provided
6.	Vendor to disclose the type/ grade/ source of resin, hardener, catalyst, mica paper and glass fabric used for manufacturing this tape.	Yes/No	Details of type/ grade/ source of resin, hardener, catalyst, mica paper and glass fabric to be provided and to be kept same for all future supplies to BHEL. Changes in raw material if any to be duly informed and got approved from BHEL.

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 <b>BHOPAL</b>	TECHNICAL PRE-QUALIFICATION REQUIREMENTS (PQR) FOR VENDORS FOR EOI	PQR/ISE/AA25101/EOI/2018/19
	INSULATION SYSTEMS ENGINEERING	Rev. No.: 01
	<b>PRE-QUALIFICATION REQUIREMENTS (PQR) FOR VENDORS FOR RESIN RICH EPOXY NOVOLAC RESIN BONDED GLASS FABRIC BACKED MICA PAPER TAPE TO BHEL SPECIFICATION AA-25101</b>	Rev. Dt.: 06/11/2020 Sht. 3 of 4 shts.


Cl. No	Description	Vendor to comment	
		Complied	Relevant supporting documents to be submitted
7.	Vendor to furnish QAP that shall be followed during manufacturing of tape to AA25101	Yes/No	QAP duly filled & signed
8.	Manufacturing facilities assessment may be carried out by BHEL at supplier's works if required. Vendor to confirm the same	Yes/No	Confirmation to be provided
9.	In case of technical qualification in the above points 1 to 8, vendor to supply a free sample to spec. AA25101 (at least 2 rolls of 0.2 x 25mm x 50 m each) along with TC for testing. Based on testing results, BHEL may further ask for 40 rolls of 50 m each of this tape (free of cost) for lab evaluation, shop trials and detailed technical evaluation. Only after technical evaluation of the samples, technical suitability will be given.	Yes/No	Confirmation to be provided

**Non-Qualifying information to be submitted by the vendor**

10.	Year of Establishment	-	Certificate to be submitted
11.	Whether the vendor is registered with BHEL Bhopal or any other unit of BHEL?	Yes/No	If yes, the name of BHEL unit where registered along with vendor code and list of items for which registered to be provided.
12.	Is the company ISO-9001 certified ?	Yes/No	If yes, Submit Valid ISO-9001 certificate

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 BHOPAL	TECHNICAL PRE-QUALIFICATION REQUIREMENTS (PQR) FOR VENDORS FOR EOI	PQR/ISE/AA25101/EOI/2018/19
	INSULATION SYSTEMS ENGINEERING	Rev. No.: 01
	PRE-QUALIFICATION REQUIREMENTS (PQR) FOR PROCUREMENT OF RESIN RICH EPOXY NOVOLAC RESIN BONDED GLASS FABRIC BACKED MICA PAPER TAPE TO BHEL SPECIFICATION AA-25101 THROUGH EOI	Rev. Dt.: 06/11/2020
		Sht. 4 of 4 shts.
<p>New Vendors will have to get themselves registered in BHEL as per BHEL's standard vendor assessment &amp; registration procedure (Refer link <a href="https://supplier.bhel.in/new_reg1.jsp">https://supplier.bhel.in/new_reg1.jsp</a>)</p> <p>Note:</p> <ol style="list-style-type: none"><li>1. Vendors qualifying in the above requirements (Clause 1 to 9), will be considered for placement of development/ trial orders for small quantities. After successful completion/ execution of trial orders, the vendor may be considered for addition in BHEL's list of approved vendors for supplying this material.</li><li>2. This PQR is applicable for compliance by manufacturers. In case of authorized distributor, compliance of OEM to be given.</li><li>3. BHEL reserves the right to verify the information submitted by the vendor. In case the information submitted is found false or incorrect, the offer will be rejected and suitable action may be taken.</li></ol>		
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