

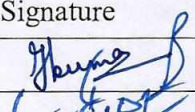
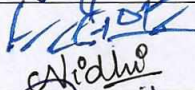
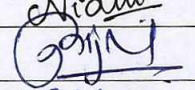
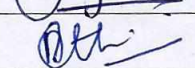
 An ISO 9001:2015 Company	TECHNICAL PRE-QUALIFICATION REQUIREMENTS (PQR) FOR VENDORS	PQR/ISE/46052/EOI/2020/64
	INSULATION SYSTEMS ENGINEERING	Rev. No.: 00
	PRE-QUALIFICATION REQUIREMENTS (PQR) FOR IDENTIFICATION OF VENDORS FOR GLASS BACKED RESIN POOR EPOXY BONDED MICA PAPER TAPE/WRAPPER (WITH DECA ZINC ACCELERATOR) TO BHEL SPECIFICATION IN.SK. 46052 THROUGH EOI	Rev. Dt.: 05/10/2020
		Sht. 1 of 3 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 poor, epoxy resin bonded, glass backed mica paper based tape/ wrapper (with DECA ZINC Accelerator) to BHEL spec. IN.SK. 46052. This material is used as main insulation in stator coils/ rotor bars of electrical machines with Class-F VPI insulation. This PQR is being issued for identification/ location of additional vendors for this material.

Pointwise compliance, required supporting documents and free sample 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. Traders/ dealers/ agents are not acceptable & their offer will be rejected.	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 IN.SK.46052	Yes/No	Clause by clause acceptance or signed & stamped copy of specification IN.SK.46052 to be submitted.

Distribution:	Date of Rev. 00: 05/10/2020	Name	Signature
CIM MDX QFD AME ISE	Prepared by	Gautam Kumar	
	Checked by	Bishwanath Oraon/ Nidhi Gupta	
	Approved by	Anirudha Tijare	
	Issued by	Abha Otti	

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Cl. 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. Photographs of manufacturing facility to be submitted.
4.	Testing facilities required to conduct all the tests as per spec. IN.SK. 46052 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	1.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 2. Photographs of testing facility to be submitted.
5.	The firm should have minimum supply capacity of 5 lakh meters of this tape per month (tape width 25 mm)	Yes/No	Confirmation to be provided
6.	Vendor to disclose the type/ grade/ source of mica paper, glass cloth, resin and accelerator used for manufacturing this tape (Only specified accelerator as per specification In. Sk. 46052 is to be used)	Yes/No	Details of type/ grade/ source of mica paper, glass cloth, resin and accelerator to be provided
7	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

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Cl. No	Description	Vendor to comment	
		Complied	Relevant supporting documents to be submitted
8	In case of technical qualification in the above points, vendor to supply a free sample as per spec. In.Sk. 46052 (at least 2 rolls of 50 m each) for testing and initial evaluation. Based on testing results, BHEL may further ask for approx. 20 rolls of 50 m each of this tape (free of cost) for shop trials and detailed technical & lab evaluation.	Yes/No	Confirmation to be provided

Non-Qualifying information to be submitted by the vendor

9	Year of Establishment	-	Certificate to be submitted
10	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.
11	Is the company ISO 9001 certified?	Yes/No	If yes, valid ISO 9001 certificate to be submitted

New Vendors will have to get themselves registered in BHEL as per BHEL's standard vendor assessment & registration procedure (Refer link https://supplier.bhel.in/new_reg1.jsp)

Note:

- Vendors qualifying in the above requirements and successful sample evaluation will be considered for placement of development/ trial orders for small quantities. After successful completion/ execution of trial orders, the vendor will be considered for addition in BHEL's list of approved vendors for supplying this material.
- This PQR is applicable for compliance by manufacturers. In case of authorized distributor, compliance of OEM to be given.
- 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 the vendor is liable to be blacklisted.

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