

1039601/2022/HEP-TAM21302

Ref No. – TME/PQR/437

Date – 02/09/2022

Technical Pre-Qualification Requirement (PQR) for procurement of Polybutadiene varnish along with diluent & inhibitor (if any) from "local suppliers".

Sl. No.	Description	"Local supplier" to comment	
		Complied / Not complied	Relevant supporting document to be submitted
1.	Local Supplier should supply Polybutadiene varnish as per specification TM22603 suitable for VPI/ dipping application of Electrical Machines.	Yes/No	<ul style="list-style-type: none"> Clause by clause comments of specification TM22603. Technical data sheet of offered material. MSDS, storage & handling instruction of offered material.
	If inhibitor and diluent (or any other additive) is required, to maintain viscosity and gel time of varnish, same shall be offered along with varnish. Recommended quantity of inhibitor/ diluent w.r.t. quantity of Polybutadiene varnish to be informed.	Yes/No	<ul style="list-style-type: none"> Technical data sheet of offered inhibitor and diluent (or any other additive) if any. MSDS, storage & handling instruction of offered inhibitor and diluent (or any other additive) if any. Recommended quantity of inhibitor and diluent (or any other additive) if any.
2.	Material identification through Infra Red spectrograph as per specification requirement.	Yes/No	<ul style="list-style-type: none"> IR Spectrograph of varnish.
3.	Manufacturing and supply experience in preceding 3 years of same/similar* item to traction machine manufacturer or Indian Railways.	Yes/No	<ul style="list-style-type: none"> Detail of Plant & Machinery. Un-price PO copies & corresponding proof of supply (Delivery Challan/invoice etc.) Reference of customer to whom varnish has been supplied and its performance report.
4.	Availability of Testing facilities required to conduct varnish property test as per specification. List of outsourced testing facility (if used) to be submitted. Testing lab/ firms should necessarily be accredited by NABL or equivalent international agency.	Yes/No	<ul style="list-style-type: none"> List of in-house testing facilities to be submitted. Outsourced facility used (if any) to be submitted.
5.	Details of raw material used to manufacture above varnish to be submitted.	Yes/No	<ul style="list-style-type: none"> Name of raw material source.
6.	"Local supplier" to confirm that offered varnish is compatible with silicon rubber glass tape (copy of specification TM00285 enclosed).	Yes/No	-
7.	"Local supplier" to furnish annual/monthly manufacturing/supply capacity of the above resin.	Yes/No	-
8.	Manufacturing facility assessment may be carried out by BHEL at supplier works. Vendor to confirm for the same.	Yes/No	-
9.	First lot shall be approved by BHEL before start of bulk/regular supply in case of PO placement.	Yes/No	-

Notes:

- "Local supplier" is defined in BHEL tender enquiry.
- In absence of compliance above PQR, supplier offer is liable to be rejected.
- Class 180 or above Polybutadiene Varnish is considered as same/ similar item.
- Information submitted by "local supplier" shall be correct in all respect. In case any deviation/false information is revealed later on, BHEL is free to initiate appropriate punitive proceeding as per prevalent processes and guidelines of company.

Prepared By <i>Prasad</i> Prasad Telang Dy. Manager/ TME	Checked By <i>Shishupal</i> Shishupal Manager/ TME	Approved By <i>Vikas Rawtiya</i> Vikas Rawtiya DGM/ TME
---	---	--