



BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
TRACTION MACHINES ENGINEERING DIVISION



Dated: 17/05/2019

Pre- Qualification Requirement (PQR)

Pre-Qualification requirement of "Cable Lead (Flexible connector)" as per drawing no. 24393041002 is as under:

Sl. No.	Description	Vendor to comment	
		Complied / Not complied	Supporting relevant document to be submitted
1.	Cable Lead (Flexible connector) should be as per drawing no. 24393041002, V00 and specifications as specified in the drawing.	Yes/No	Deviation (if any)
2.	Cable used for manufacturing cable lead must be procured from reputed cable manufacturers. Cable manufacturers name must be mentioned in the offer itself.	Yes/No	Name of Cable Manufacturer
3.	Cable manufacturers must have plant and machinery, required to manufacture Cable as per Spec. mentioned in drawing preferably in-house.	Yes/No	Details of M&P and testing facilities to be furnished in offer itself.
4.	All testing facilities have to be duly calibrated to either NABL or equivalent international accreditation agency. List of outsourced facilities (if used) to be submitted. Outsourced testing labs/firms should necessarily be NABL or equivalent international agency accredited.	Yes/No	Undertaking that testing facilities are calibrated to either NABL or equivalent international accreditation agency.
5.	Manufacturing / supply experience in preceding 3 years (from tender opening date) of same/similar item to reputed electrical machine manufacturers. Vendor to inform the quantity of same/similar component supplied in past.	Yes/No	Un-priced PO copies of same/similar item
6.	Manufacturing and Testing facilities assessment may be carried out by BHEL at supplier's works. Supplier to give it confirmation to agree for the same.	Yes/No	---
7.	Vendor to furnish QAP that shall be followed during manufacturing of cable and cable lead as per suggested format No. "QAP/001" enclosed.	Yes/No	QAP as per suggested format "Document no. QAP/001"
8.	Successful tenderer will have to get their first lot approved by BHEL before start of bulk/regular supply in case of PO placement.	Yes/No	-



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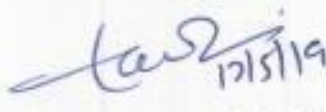
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9.	Supplier to furnish source of raw materials used for cable manufacturing.	Yes/No	Details of data sheet or corresponding raw material TC/IC shall be submitted before supply of each lot.
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Note:

1. (*):Fluoroelastomer insulated Cable Lead of size $\geq 50 \text{ mm}^2$ shall be considered as similar item.
2. In case of trader, authorization from manufacturer, stating that vendor is authorized to quote the above item to BHEL.
3. Compliance of above Technical PQR is mandatory. In absence of compliance of above vendor offer is liable to be rejected.

Prepared By:	Approved By:
 (Basant Tamrakar)	 (S. P. Singh)

QA Plan No.

Document no QAP/001 Rev00



“Name of the firm”

QUALITY ASSURANCE PLAN for “Name of item/Components/material”

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1.0 PROCESS FLOW CHART OF MANUFACTURING PROCESS:

⑦



“Name of the firm”

QUALITY ASSURANCE PLAN for “Name of item/Components/material”

2.0 INCOMING RAW MATERIALS/PARTS/SUB-ASSEMBLIES

Sl. No.	Incoming Materials / Parts / Sub-assemblies	Name of the sources	Sample Size & Frequency of Inspection	Parameters for Inspection	Mode of Inspection / Equipment used	Acceptance Limits / Criteria / Specified value	Rejection Details/ Reprocessed/scraped



“Name of the firm”

QUALITY ASSURANCE PLAN for “Name of item/Components/material”

4.0 FINAL INSPECTION OF THE PRODUCT

Sl. No.	Subject / Product / Process	Sample Size & Frequency of Inspection	Parameters for Inspection	Mode of Inspection / Equipment used	Acceptance Limits / Criteria / Specified value	Rejection Details/ Reprocessed /scraped	Traceability register no.

PREPARED BY	APPROVED BY
Name & Signature	Name & Signature