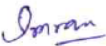
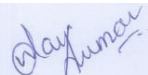


	Form No:	 PE&SD	BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION		PEMC-07395	
			JOB SPECIFICATION		Rev. No. 00	
			PRE-FABRICATED RUBBER LINED PIPING PACKAGE		Page 1 of 3	
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company.		JOB SPECIFICATION FOR RUBBER LINED PIPING PACKAGE TCL-MITHAPUR, GUJARAT				
Refer Doc		LAYOUTS & PIPING ENGINEERING PROJECT ENGINEERING & SYSTEMS DIVISION	PREPARED	CHECKED	APPROVED	DATE
			 IMRAN	 G UDAY	 SRIKANTH G	15.03.19

Form No:

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BHEL

PE&SD

BHARAT HEAVY ELECTRICALS LIMITED

PROJECT ENGINEERING & SYSTEMS DIVISION

JOB SPECIFICATION

PRE-FABRICATED RUBBER LINED PIPING PACKAGE

PEMC-07395

Rev. No. 00

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1.0

GENERAL

1.1

This job specification document specifies the requirements of Pre-fabricated Rubber lined Piping package applicable for TCL- Mithapur, Gujarat.

1.2

Bidder shall read this document in conjunction with ‘Technical Specification for Pre-fabricated Rubber lined piping package’ (Doc.No.PY52268, Rev00), for the technical requirements, scope of supply & services, design criteria, requirements of quality, inspection & testing, documentation etc. Bidder shall also refer to all the enclosures listed at the end of this specification.

1.3

Bidder shall comply with all the requirements specified in the documents referred above.

2.0

LEGEND / GLOSSARY OF TERMS

Purchaser

: BHEL

Owner

: BHEL’s Customer

Bidder

: Eligible vendors from whom offers are received against the Enquiry

Vendor

: Successful Bidder of the Package on whom Order is placed

3.0

SCOPE OF SUPPLY / SERVICES

3.1

Pre-fabricated Rubber lined piping spools / fittings shall be supplied for the piping systems listed in Annexure-A of this Job specification as a part of the Pre-fabricated Rubber lined piping package of the project. Bidders to refer Annexure-A for the Bill of Material (along with the unit weights of the Pipes and Pipe Fittings) applicable for this package.

3.2

The detailed scope of supply and services shall be as specified in “Technical Specification for Pre-fabricated Rubber lined piping package” (Doc.No. PY52268, Rev.00).

4.0

PROJECT SPECIFIC DATA AND REQUIREMENTS

4.1

Properties of Rubber

Rubber lining of shore D hardness 75° +/- 5 as per IS 4682 to be considered for this project. All pipes with flanges and all flanged fittings except elbows/bends of the sizes NB100 and above are to be lined with **5 mm** thick rubber.For elbows/bends, at the curvature, **8 mm** thick rubber lining to be provided and shall be smooth finished to **5 mm** at the straight ends and the elbow flanges.

4.2

Individual pipes / pipe fittings required for the pre-fabricated piping package shall be procured from Customer Approved Vendor list attached as Annexure-E. **No deviation is allowed from the list.**

4.3

The percentage limitation of the variation in weight of the package (on individual line items), from the Tender stage to post order, shall be +/- 20%, i.e., the weight of the piping pre-fabrication package furnished post order may vary up to +/- 20% from the information furnished during tender stage. Bidder shall make a note of the same while submitting the bid.

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5.0 CHECK LIST FORMAT

A check list format is attached with this job specification. Bidder shall submit, along with the technical offer, duly filled-in checklist as per this format only. **No other format is acceptable.** Offers submitted without the duly filled in checklist is liable for rejection.

6.0 LIST OF ENCLOSURES / ANNEXURES

Sl No	Doc Number	Description
1	PY52268, R00	Technical Specification for Rubber Lined Piping Package
2	Annexure-A	Piping Bill of Material along with Unit Weights
3	Annexure-B	Details of Welding, Inspection & Testing
4	Annexure-C	Typical Rubber Lined Piping components Drawing- PY-DH-1-0000-0000-02-S00-R00
5	Annexure-D	Surface Preparation & Painting Schedule
6	Annexure-E	List of Approved Sub-Vendors
7	Annexure-F	Price Bid Format
8	Annexure-G	Checklist Format
9	Annexure-H	Format for Deviation Schedule
10	Annexure-I	Format for Pre-bid Queries
11	Annexure-J	Format for Manufacturing Quality Assurance Plan

7.0 IMPORTANT INSTRUCTIONS TO BIDDER

Bidder shall mandatorily submit the following documents along-with Technical offer, failing which bidder's offer is liable for rejection.

- 7.1 Unpriced Price-bid Format
- 7.2 Filled-in Checklist.
- 7.3 Deviation Schedule ("NIL" to be mentioned, if no deviations)
- 7.4 Stamped & Signed copies of Technical Specification for Pre-fabricated Piping Package (PY52268-R00) and Job Specification for Pre-fabricated Piping Package (PEMC-07395).
- 7.5 Stamped & Signed copies of Piping Bill of Material, Welding Specification and List of Approved Sub-vendors.
- 7.6 Pre-bid queries, if any (within 4 days of receipt of enquiry from purchaser, failing which it is presumed that bidder does not have any pre-bid queries)
- 7.7 In case of ambiguity of any technical requirement among the above referred documents, a clarification/ query shall be raised by the bidder and get clarified from Purchaser during pre-bid stage itself.

8.0 RECORD OF REVISIONS

Rev No	Date	Revision Detail	Revised by	Approved by
00	15.03.2019	FIRST ISSUE	 IMRAN	 SRIKANTH G

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