

FRAMEWORK AGREEMENT FOR FGD FPS PROJECTS
Un-Priced Price Bid Format

R01- 30.10.2021

Item: NAB SHEET
PR No: 1900141153

SI No	PR No	Material Code	Material Description	UOM	PR Qty (Sq.mtr)	Technical Specification	Price Weightage Factor	Bidder Confirmation (Quoted)
1	1900141153	PY9752146015	NAB SHEET (NRR) BS 7531 GR.X	Sq. mtrs	1061	PY52146	1.00000	
Total							1.00000	

NOTES:

- 1) Vendor to Quote Lumpsum Price for the Total Package.
- 2) Line Item Rates of the individual items shall be derived by multiplying the "Price Weightage Factor" with the Lumpsum Price quoted.
- 3) Unit Rates of the Individual items thus arrived, shall be binding on the bidder, for the total period of Framework Agreement.
- 4) Observations / Objections, if any, of the Bidder, to the "Price Weightage Factor" shall be brought to the notice of BHEL, during Pre-Bid Stage.
- 5) No Observations / Objections shall be entertained after the Techno-Commercial Bid is opened.
- 6) Bidder to indicate "Quoted" in the column "Bidder's Confirmation" as a confirmation of their bid to the respective item.
- 7) The Bid Evaluation is on Overall L1 Basis. Each and Every item of the Package shall be quoted by the bidder.
- 8) Partial offers will not be considered for evaluation and the same are liable for rejection.
- 9) The details of the Projects for which Framework Agreement is proposed are given elsewhere in the NIT. The distribution of the line items across the projects is attached as **Annexure-A**.
- 10) The permissible ordering limits specified in NIT are strictly applicable on the Total Framework Value. The same are not applicable at the Individual Project level.
- 11) The Total Lump price quoted shall be INCLUSIVE of Freight, Packing & Forwarding and Testing Charges.
- 12) The Total Lump price quoted shall be EXCLUSIVE of GST, Third party inspection (TPI) & Insurance Charges.

Note No. #1

Attachment:PR DOCS - MAIN -1900141153 - FRAME WORK - GASKET.pdf

DISTRIBUTION OF FRAMEWORK ITEMS ACROSS PROJECTS
ITEM: GASKET
PR NO 1900141153

Annexure-A to Price Bid Format

Sl NO	ITEM	Material No	Material Desc	UOM	PMD No	UNIT	KOTHAGUDEM	BHADRADRI	NORTH KARANPURA	BARH-1	BARH-2	MAUDA	BBRCL NABINAGAR	NPGCL NABINAGAR	RAMAGUNDAM	KORBA	NSPCL BILLAI	TUTICORIN	UDANGUDI	SAGARDIGHI	ENMORE	BHUSAWAL	YADADRI	PATRATU	PANKI	CONTINGENCY
1.00	GASK	PV9752146015	NAB SHEET (NRR) BS 7531 GR.X	MT	PE.MP.041		35	37	40	41	35	35	40	40	40	40	35	35	300	100	78	100	200	45	40	200

NOTES:
1. The quantities indicated are total quantity with additional 50 % qty variation considered
2. The above list of Quantity , project/customer is tentative only. Final details of quantity, Project/ Customer shall be informed at the time of PO

Note No. #1

Attachment: **PR DOCS - MAIN - 1900141153 - FRAME WORK - GASKET.pdf**
BULK PROCUREMENT OF GENERIC PIPING ITEMS
Pre-Qualification Criteria (Technical)

Package Name : NAB SHEET
PR No : 1900141153

Manufacturers of **NAB SHEET** qualified as per the Pre-qualification criteria laid down below, are allowed to bid. Documentary evidence shall be provided by such bidders to establish their claim. **However, offer consideration is subjected to approval from end Customer.**

The bid evaluation shall be on Overall L1 basis. The Bidder shall meet the Pre-Qualification Criteria (listed below.

Non-compliance to any of the criteria listed below will lead to disqualification of bidder for the subject item of the tender.

Qualification Criteria of the Bidder:

1. The bidder should be an established manufacturer of **Nab sheet** and should have successfully completed Manufacture, Supply of **Nab sheet** .
2. The Bidder should have successfully completed supply of **Nab sheet** for similar specification of total minimum quantity of **1061 Sq. Mtrs** through a single Purchase Order or multiple Purchase Orders in the last 5 years ending on original due date of this tender, with at least one order executed after 01.01.2019.
3. Detailed BOQ of the items supplied, satisfying the criteria laid down above, shall be provided in the format enclosed as Annexure-1, with details like Project & Customer, Description & Quantity of Items supplied, PO details etc. as a minimum for assessing pre-qualification. **PO Copies, Inspection Reports and Dispatch documents shall be enclosed for the references provided.**
4. The bidder should not have been under suspension for business or blacklisted by any of the BHEL units.

Note No. #1


Attachment:PR DOCS – MAIN –1900141153 – FRAME WORK – GASKET.pdf




Annexure-1 PQC Criteria**Supply References for the Last 5 Years (dispatch date) from the Original due date of this tender**

Enquiry Item No & Description: (To be filled by Bidder)


Sl No	Project Name along with name of Customer	Description Item(s) supplied	Purchase Order No & Date (Copy to be enclosed)	Delivery Date as per Order	Value of Order	Inspection Reports / Dispatch Documents (Copy to be enclosed)	Remarks



Note No. #1

Form No:	 PE&SD	Attachment: BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION		BHARAT HEAVY ELECTRICALS LIMITED PY 52 146	
		TECHNICAL SPECIFICATION		Rev. No. 00	
		NON METALLIC GASKETS SHEET FOR PIPE FLANGE CONNECTIONS		Page 1 of 2	

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.	<p>1.0 GENERAL</p> <p>1.1 This standard specifies requirements related to Designation, Material, Sizes, Dimensions and other information required for ordering purposes of Non Metallic Gaskets for Flat Face Flanged connections.</p> <p>1.2 The Gaskets sheet shall conform to the requirements of latest version of ASME Standard B16.21 (Non Metallic Gaskets for Pipe Flanges) and comply with the following additional requirements.</p> <p>2.0 MATERIAL:</p> <p>The material shall consist of fibres and inorganic fillers bonded with a suitable elastomer or blend of elastomers, and shall be manufactured in the form of sheets. The fibres shall be uniformly dispersed throughout the jointing.</p> <p>Material shall be BS7531 grade X or Equivalent.</p> <p>3.0 DIMENSIONS, TOLERANCES AND OTHER REQUIREMENTS:</p> <p>3.1 Dimensions: The material shall be supplied to the dimensions specified on the order. Recommended size: 1500X1500 mm (unless otherwise specified).</p> <p>3.2 Thickness: Thickness of Sheet shall be 2.0mm</p> <p>3.3 Tolerances: As per BS7531</p> <p>4.0 SIZE AND FACE:</p> <p>Gasket Sheet Size (in mm) shall be as per BHEL Enquiry/ Order.</p> <p>5.0 DESIGNATION:</p> <p>Non Metallic Gasket Sheet as per BS7531 Grade X for Flat Face Flange connections. Shall be designated as “ NAB Sheet BS 7531 Grade X”.</p> <p>6.0 TEST CERTIFICATES:</p> <p>Three copies of test certificates consisting of mechanical properties and chemical composition of the metals shall be furnished.</p> <p>7.0 MARKING AND PACKING:</p> <p>7.1 The gasket centering ring shall be stamped with the following details:</p> <ol style="list-style-type: none"> BHEL Standard No. PY 52 146 Standard Marking as per clause 3.4 of ASME B16.21 Manufacturer's Name or Trade Mark. Gasket identification number specified by BHEL in the order. <p>7.2 The gasket sheet shall be enclosed in a moisture resistant wrapping and packed in such a manner as to prevent damage in transit or during storage.</p> <p style="text-align: center;">+++</p>				
	Refer Doc	LAYOUTS & PIPING ENGINEERING PROJECT ENGINEERING & SYSTEMS DIVISION	PREPARED  CH MANOJ	CHECKED  SRIKANTH G	APPROVED  SB RAO

Note No. #1

Form No:	 PE&SD	Attachment: BHARAT HEAVY ELECTRICALS LIMITED - MSW (PTFE FILLER) GASKETS FOR CLASS 150 B16.5 FLANGED CONNECTIONS		PROJECT ENGINEERING & SYSTEMS DIVISION	MSW (PTFE FILLER) GASKETS
		TECHNICAL SPECIFICATION		Rev. No. 00	Page 2 of 2
		FOR CLASS 150 B16.5 FLANGED CONNECTIONS			

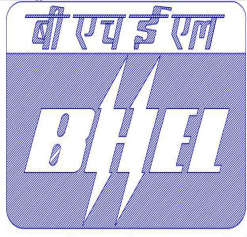
RECORD OF REVISIONS:				
Rev	Date	Revision Detail	Revised by	Approved by
00	14.12.2015	FIRST ISSUE	 SRIKANTH G	 SB RAO

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.

Note No. #1

Attachment: PR DOCS – MAIN – 1900141153 – FRAME WORK – GASKET.pdf

 PROJECT ENGINEERING & SYSTEM DIVISION		STANDARD MANUFACTURING QUALITY PLAN						QP. NO.: PESD/QA/ GASKET/01/18-19						
		PRODUCT: GASKET						BHEL SPEC: AS PER P.O		REV NO: 00	DATE: 22-02-2019			
										PAGE 1 OF 2				
SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	*	AGENCY				REMARKS
									D	P	W	V		
1.0	RAW MATERIALS & BOUGHT OUT ITEMS													
	Raw Material	Material Identification	Major	TC Review	100%	Approved BHEL Spec./Drawing/ datasheet	Approved BHEL Spec./Drawing/ datasheet	MTC	√	2	1	1		
2.0	FINAL INSPECTION & TESTING													
		Visual ,Dimension, Marking	Major	Visual	100%				IR	√	2	1	1	10% shall be witnessed by "1"
		Chemical & Mechanical properties	Major	TC Review	One per lot/batch				MTC	√	2	1	1	
		Compressibility, Recovery	Major	Testing	Random				TC	√	2	1	-	
		Residual Stress, Gas permeability & Resistance to fluid test	Major	Testing	Random				TC	√	2	2	1	Applicable for NAB gasket
		BOM check	Major	Visual	100%				IR	√	2	1	-	
4.0	PRESERVATION & PACKING													
	Gasket	Packing, Marking	Major	Visual	100%	Approved BHEL Spec./Drawing/ datasheet	Approved BHEL Spec./Drawing/ datasheet	IR	√	2	2	1		

LEGEND: P: PERFORM, W: WITNESS, V: TEST CERTIFICATE REVIEW. INDICATE 1 FOR BHEL / BHEL NOMINATED INSPECTION AGENCY & 2 FOR VENDOR/SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.

PREPARED BY

BHEL QA SIGNATURE & STAMP



APPROVED BY

BHEL QA SIGNATURE & STAMP

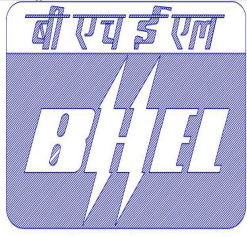


APPROVED BY

CUSTOMER'S SIGNATURE & STAMP
(IF APPLICABLE)

Note No. #1

Attachment: PR DOCS – MAIN – 1900141153 – FRAME WORK – GASKET.pdf



 PROJECT ENGINEERING & SYSTEM DIVISION		STANDARD MANUFACTURING QUALITY PLAN				QP. NO.: PESD/QA/ GASKET/01/18-19							
						REV NO: 00		DATE: 22-02-2019					
		PRODUCT: GASKET				BHEL SPEC: AS PER P.O				PAGE 2 OF 2			
SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	*	AGENCY			REMARKS
									D	P	W	V	

Notes:-

1. This MQP should be read along with specification, approved drawings & approved datasheet. (Latest revisions to be considered as per PO).
2. Drawing/datasheet shall prevail over quality plan for contradiction if any.
3. Any project/customer specific requirements, which shall be notified, have to be fulfilled by the vendor at the time of execution of order.
4. Seaworthy packing shall be **witnessed** BHEL/BHEL nominated inspection agency for overseas project.
5. End Customer/Consultant inspection if any shall be intimated during quality plan approval.
6. **NACE requirement:** For items coming under **NACE category**, all tests, reports, MTC and certificates shall be submitted as per **NACE MR0103** requirements.

Abbreviations:-

MTC -	Material Test certificate	WPS -	Welding Procedure Specification
IBR -	Indian Boiler Regulations	PQR -	Procedure Qualification Record
DFT -	Dry Film Thickness	WPQ -	Welder Performance Qualification
TC -	Test Certificate	NDE -	Non Destructive Examination
IS -	Indian Standards	UTS -	Ultimate Tensile Strength
Appd.		YS -	Yield Strength
Dwg. -	Approved Drawing	EL. -	Elongation
PMI -	Positive Material Identification	OD -	Outer Diameter
G.I -	Galvanized Iron	ID -	Internal Diameter

LEGEND: P: PERFORM, W: WITNESS, V: TEST CERTIFICATE REVIEW. INDICATE 1 FOR BHEL / BHEL NOMINATED INSPECTION AGENCY & 2 FOR VENDOR/SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D'; TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.	PREPARED  BHEL QA SIGNATURE & STAMP	APPROVED BY  BHEL QA SIGNATURE & STAMP	APPROVED BY CUSTOMER'S SIGNATURE & STAMP (IF APPLICABLE)
---	--	---	--