	<b>Bharat Heavy Electricals Ltd</b> <b>Boiler Auxiliaries Plant</b> Ranipet-632 406	<b>FLUE GAS DESULPHURISATION DEPT.</b> <b>TECHNICAL SPECIFICATION</b>
	<b>TECHNICAL SPECIFICATION: REJ:MAITREE</b>	

00	10/10/2022	FRESH RELEASE	ANUPAM KUSHWAHA	JYOTISH KUMAR PATEL	V.KESAVAN
REV	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

Sl.no	Item	<b>750NB RUBBER EXPANSION JOINTS</b>	Vendor Acceptance/ Comments
1	Scope of supply	1) Supply of Rubber Expansion Joints for pipeline in the duty condition as specified in technical datasheet. 2) Vendor to provide both side swiveling metal flanges along with fastener (galvanized). Counter/Companion flange shall be in the BHEL scope. 3) Vendor to provide galvanised control rods (tie rod), bolts, nuts and washers.  Note: Control Plates (shall be welded type with flanges)	
2	Eligibility criteria	1) Vendor shall be a manufacturer of Rubber Expansion Joints. 2) Vendor shall submit the list of previously supplied Rubber Expansion Joints of similar/higher size, with customer names along with at least one unpriced PO copy as proof of experience 3) Previous inspection/ test report to be furnished for the similar/higher sizes along with offer.	
3	Document to be submitted	1) The Vendor shall furnish point wise reply and submit signed & sealed copy of this technical specification. 2) The Vendor shall submit the dimensional drawings, catalogue indicating M.O.C and weight along with the offer. 3) Vendor to provided Quality plan with the offer.	
3	Size	750NB	
4	Application	Gypsum slurry, Limestone slurry	
5	Type	<b>Filled Single Arch</b>	
6	Flange	Dimensions shall be as per ANSI B16.47 Class 150	
7	Connection Type	Minimum One side flange will be loose/ swivelling type.  <b>Note:</b> Flanges shall be in single piece of both ends. Split type of flanges are not acceptable.	

Bidder's seal &amp; signature

8	Galvanizing	Flange, Control Plates, Control Rods, Nuts & Washers all shall be galvanized-40μ thick.	
9	Inspection at vendor works	1) Inspection by BHEL or its authorized agency. 2) Material Test Certificates shall be submitted during inspection.	
12	Packing & forwarding	1) The material shall be properly packed in wooden box / Crate & provided cushioned in side packing to avoid material damage during transit & reach up to destination. 2) The package or shipping box / Crate shall be clearly marked or stencilled on at least two sides – Destination, PO number, Supplier name, Material code, model number, quantity inside the box, gross weight and net weight etc.	
12	Marking	1) Vendor to provide their name plate details on Rubber expansion joint, vendor convenient place. 2) Vendor to fix/Screw/rivet/nail a Metal name plate on flange surface. Preferably flange inner side or near control plate, where name plate can be visible after assembly. Avoid outer surface of flange.	
14	Outside the box	PO number, vendor name, item size, material code, model number, quantity inside the box, gross weight and net weight to be mentioned.	
15	Drawing	Typical drawing (Illustrative purpose only) of REJ is attached for reference.	
16	Destination	BHEL BAP Ranipet (SD Stores), Tamilnadu- 632406	

**TECHNICAL DATASHEET FOR RUBBER EXPANSION JOINTS:**

Location		Recirculation pump suction	
Flow media		Gypsum Slurry, Limestone slurry	
Purpose		Anti-Vibration/Displacement	
Pipe Size		NB750	
Arch type		Filled	
Face-To-Face Length (including rubber lining)		260 mm	
Service conditions	Operating Temp. (°C)		100
	Test Pressure (kgf/cm <sup>2</sup> )	Working pressure	10
		Hydro Test Pressure	15
	Installation Position		Horizontal/ Vertical/ Inclined
Shore Hardness		65±5 shore A	
Axial Movement (mm)	Compression		41
	Extension		25
Lateral Movement (mm)		19	
Flange Details As per ANSI B16.47 CLASS 150	O.D. (mm)		984
	PCD (mm)		914.4
	Hole Dia. (mm)		41
	No. Of Hole (nos.)		28
	Thickness (mm)		73.2
Tie Rod Length (mm)		400±5	
Tie Rod dia. (Ø)mm		Ø36	

\* Compression, extension & lateral movement are given for wide open arch.

Vendor to furnish maximum movement values for wide filled arch type REJ during tender stage.  
It should be less than 50% of the above values.

Bidder's seal & signature

**Material of Construction:**

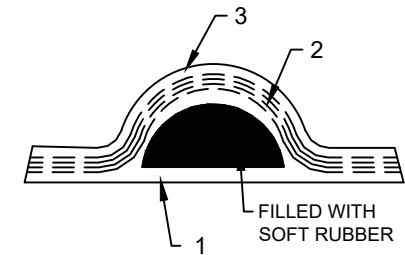
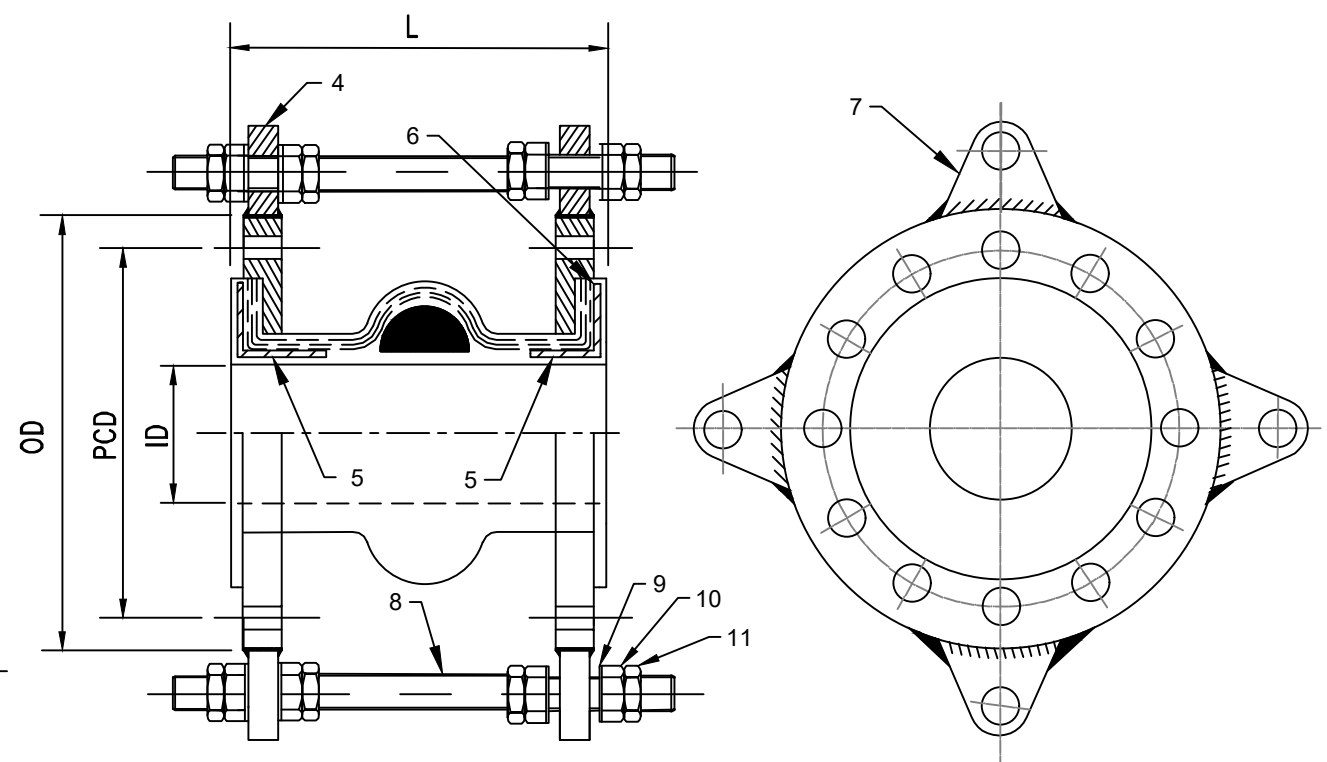
Fixed Flange	ASTM A36+ Chloroprene Rubber	
Loose Flange	ASTM A36	
Rubber Outer Cover	EPDM	
Reinforcing Fabric	Chemical fibre	
Reinforcing Cord	Chemical fibre	
Rubber Inner Tube	Chloroprene Rubber	
Control Ring/Plate (Control plates will be welded on the flanges. Bolted type is not acceptable)	ASTM A36	
Tie Rod/control bolt	A307 B +GAL 40 $\mu$	
Nut, Lock nut & Washer	A307 B +GAL 40 $\mu$	

**Remarks:** One Set of Rubber Expansion joint consists of following items explained in below table

Items	750NB	Vendor Acceptance /Comments
Rubber Bellow	1 no.	
Flange(1 fixed +1 slip on)	2 nos.	
Control plates	8 nos.	
Tie rod/Control bolts	4 nos.	
Nut	16 nos.	
Lock Nut	16 nos.	
Washer	16 nos.	

Note: For FGD application wide arch design only applicable.

Bidder's seal & signature




DETAIL OF CONSTRUCTION

TYPICAL DRAWING OF RUBBER EXPANSION JOINT WITH BOM


PART NO.	NAME OF PART	MATERIAL	QNTY
11	NUT	A307 B+GAL 50μ	4x4
10	LOCK NUT	A307 B+GAL 50μ	4x4
9	WASHER	A307 B+GAL 50μ	4X4
8	CONTROL BOLT	A307 B+GAL 50μ	4
7	CONTROL PLATE	ASTM A36	4X2
6	LOOSE FLANGE	ASTM A36	1
5	NIPPLE	ASTM A36	2
4	FLANGE	ASTM A36+CR	1
3	RUBBER OUTER COVER	EPDM	
2	REINFORCING FABRIC	CHEMICAL FIBER	
1	RUBBER INNER TUBE	CHLOROPRENE RUBBER	
BILL OF MATERIALS			

BHARAT HEAVY ELECTRICALS LIMITED, UNIT: BOILER AUXILIARIES PLANT, RANIPET:632 406.	DEPT CODE	NAME	SIGN	DATE
	DRN	ARUN KUMAR		10.11.19
	M	ASHISH KUSH.		10.11.19
	APPD	V.KESAVAN		10.11.19
TITLE: GA DRAWING OF RUBBER EXPANSION JOINT				
DRG .NO:			SCALE : NTS	REV NO
				00


1224397/2022/BAP/QA MECH

MANUFACTURER'S NAME & ADDRESS		STANDARD QUALITY PLAN							PROJECT: AS PER PO.					
 Ranipet BHEL/ BHEL APPROVED SOURCE		ITEM:		QP. NO.: EXPANSION JOINT :392					Agency REMAR KS					
		RUBBER EXPANSION JOINT		Rev No. :02 Date: 09.02.2022 Page 1 of 3										
SL NO	COMPONENT & OPERATION	CHARACTERISTICS	CLASS OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENTS	ACCEPTANCE NORMS	FORMAT OF RECORD		Agency		REMAR KS	
					M	B/C				D	M	B	C	
1	2	3	4	5	M	B/C	7	8	9	D	10		11	



1.0 RAW MATERIALS *														
1.1	Polymer Identification	Physical Properties	Major	Qualitative Analysis /Testing	1 Sample/ Lot /Melt / Heat	1 Sample/ Lot/Melt /Heat	BHEL Spec. / Approved Drawing	Presence of Butyl Rubber	Test Certificate.	√	P	V	-	(*As per Tech Spec/ Approved Drawing/ Data sheet)
1.2	Rubber (Physical Properties)	a) Tensile Strength	Major	Testing	1 Sample/ Lot /Melt / Heat	1 Sample/ Lot/Melt /Heat	Approved Drawing / Data sheet	Approved Drawing/ Data sheet	Test Report	√	P	V	-	
		b) Elongation at Break	Major	Testing	1 Sample/ Lot /Melt / Heat	1 Sample/ Lot /Melt / Heat	Approved Drawing / Data sheet	Approved Drawing / Data sheet	Test Report	√	P	V	-	
		c) Shore Hardness	Major	Test	1 Sample/Lot /Melt / Heat		ASTM D-2240	65±5° Sh.A ( As per Relevant Std)	Test Report	√	P	V	-	
1.3	EPDM Rubber	a) Tensile Strength	Major	Testing	1 Sample/ Lot /Melt / Heat	1 Sample/ Lot /Melt / Heat	ASTM D-412	Minimum 80Kg/cm2	Test Report	√	P	V	-	
		b) Elongation at Break	Major	Testing	1 Sample/ Lot /Melt / Heat	1 Sample/ Lot /Melt / Heat	ASTM D-412	Minimum 250%	Test Report	√	P	V	-	
		c) Shore Hardness	Major	Measurement	1 Sample/Lot /Melt / Heat		ASTM D-2240	65±5° Sh.A	Test Report	√	P	V	-	

Manufacturer Name	<b>Legends:</b> M – Manufacturer / Subcontractor, B - BHEL /BHEL Authorized Inspection Agency, C - Customer, P - perform, V - Verification of reports W - Witness, TC - Test certificate "D" – Record, identified with tick (√) shall be essentially included by Supplier in QA documentation.	Prepared by	Reviewed and Approved by
Sign & Stamp with Date			 Rakesh Kr Madhu (Dy Manager / QA)


1224397/2022/BAP/QA MECH

 Ranipet		MANUFACTURER'S NAME & ADDRESS BHEL/ BHEL APPROVED SOURCE		<b>STANDARD QUALITY PLAN</b>				PROJECT: AS PER PO.																	
		<b>ITEM:</b> RUBBER EXPANSION JOINT		<b>QP. NO.:</b> EXPANSION JOINT :392 <b>Rev No. :</b> 02 <b>Date:</b> 09.02.2022 <b>Page 2 of 3</b>		SL NO		COMPONENT & OPERATION		CHARACTERISTICS		CLASS OF CHECK		TYPE OF CHECK		QUANTUM OF CHECK		REFERENCE DOCUMENTS		ACCEPTANCE NORMS		FORMAT OF RECORD		Agency	
1		2		3		4		5		6		7		8		9		D		10		11			

1.4	Metal Flange & Stretcher Olate	Chem. & Mech. Test ( Tensile, Elongation, at Break and Yield strength)	Major	Testing	1 Sample for Entire Supply	ASTM A36	ASTM A36	Test Certificates	√	P	V	-	
1.5	Control Rods	DO	Major	Testing	1 Sample/Lot /Melt / Heat	ASTM A 307 Gr.-B	ASTM A307 Gr.-B	Test Certificates	√	P	V	-	
1.6	Nut & Lock Nut	Chem. & Mech. Properties ( Hardness & Proof Load)	Major	Profile Inspection (Reduced Scope)	1 Sample/Lot /Melt / Heat	ASTM A307B + GAL+50μ / BHEL Spec. / Drawing		Test Certificates	√	P	V	-	
1.7	Final Product	Rubber Bellows Visual & Dimensional Conformity	Major	Measurement	1 Sample/Lot /Melt / Heat	As per Approved Drawing	As per Approved Drawing	Report	√	P	V	-	
2.0	<b>FINAL INSPECTION</b>												
2.1	Hydrostatic Test	Hydro test	Major	Testing	1 Sample/Lot /Melt / Heat	As per Approved./ Drawing/Data sheet	No Leakage	Test Report	√	P	W	-	<b>Duration of Hydro test shall be 10 Minutes</b>
2.2	Deflection Check	Deflection Test	Major	Testing in Axial Compression by 10 mm.	1 Sample/Lot /Melt / Heat	Technical Specification/ As per Approved./ Drawing/Data sheet/ Relevant Standard	Technical Specification/ As per Approved./ Drawing/Data sheet/ Relevant Standard	Test Report	√	P	W	-	<b>Duration of all the Deflection Test shall be 2 minutes.</b>
				In Axial Elongation by 10 mm.				Test Report	√	P	W	-	
				Lateral Deflection by 10 mm				Test Report	√	P	W	-	
3.0	<b>PACKING &amp; PRESERVATION</b>												

Manufacturer Name		<b>Legends:</b> M – Manufacturer / Subcontractor, B - BHEL /BHEL Authorized Inspection Agency, C - Customer, P - perform, V - Verification of reports W - Witness, TC - Test certificate "D" – Record, identified with tick (√) shall be essentially included by Supplier in QA documentation.	Prepared by		Reviewed and Approved by	
Sign & Stamp with Date			 Rakesh Kr Madhu (Dy Manager / QA)		 K Renjith (Manager / QA)	

1224397/2022/BAP/QA MECH



 Ranipet		MANUFACTURER'S NAME & ADDRESS BHEL/ BHEL APPROVED SOURCE		<b>STANDARD QUALITY PLAN</b>					PROJECT: AS PER PO.					
		ITEM: RUBBER EXPANSION JOINT		QP. NO.: EXPANSION JOINT :392 Rev No. :02 Date: 09.02.2022 Page 3 of 3										
SL NO	COMPONENT & OPERATION	CHARACTERISTICS	CLASS OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENTS	ACCEPTANCE NORMS	FORMAT OF RECORD		Agency			REMARKS
					M	B/C			9	D	M	B	C	
1	2	3	4	5	M	B/C	7	8	9	D	10			11

3.1	Packing	Verification	Major	Verification of packing	100%	100%	Plant procedure and Packing	PO/Specification/ Drawing	Paint and packing Report	√	P	V	-	
-----	---------	--------------	-------	-------------------------	------	------	-----------------------------	---------------------------	--------------------------	---	---	---	---	--

Notes: a. Latest version of standards & Specification shall be applied.  
 b. Materials shall be procured in compliance to Functional Technical specification.  
 c. Gauges and measuring instruments with valid calibration only shall be used.  
 d. Inspection / Inspection waiver / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO.  
 e. BHEL /BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO.  
 f. In case of Vendor Drawing & Datasheet, it needs approval by BHEL Engineering.  
 g. This QP shall be read along with relevant PO, BHEL Specification / Approved Drawing/Datasheet.

### RECORD OF REVISION

REV NO	DATE	DESCRIPTION
00	04.02.2020	Original Issue – First submission
01	05.02.2020	Revised based on feedback from QC-proc.
02	09.02.2022	QP Class 1.1 updated.

Manufacturer Name	<b>Legends:</b> M – Manufacturer / Subcontractor, B - BHEL /BHEL Authorized Inspection Agency, C - Customer, P - perform, V - Verification of reports W - Witness, TC - Test certificate "D" – Record, identified with tick (√) shall be essentially included by Supplier in QA documentation.	Prepared by	Reviewed and Approved by
Sign & Stamp with Date		 Rakesh Kr Madhu (Dy Manager / QA)	 K Renjith (Manager / QA)

## Annexure Q

Indent No:		Enquiry no:	
Sl.No	BHEL / Customer Requirements	## Specific confirmations by the manufacturer (Acceptable/Not acceptable)	
	<b>Quality Plan Requirement: (If SQP is not given &amp; Vendor QP applicable)</b>		
	(i) MQP (Manufacturing Quality Plan) shall be submitted in attached format for BHEL/Customer review & approval. Our SQP/Typical MQP/ MQP Format is attached for guidance & use.		
	(ii) MQP shall invariably cover w.r.t Inward inspection including on Raw material Procurement, In process and Final inspection in elaborated way/details.		
	(iii) Bidder shall also to give specific confirmation that on need basis, their competent officials shall visit to BHEL / customer for finalization of Quality plan including test procedure/methodology during preaward / post award approval / detailed engineering in the event of an order.		
	(iv) No deviation on BHEL/Customer approved MQP/ SQP (In case BHEL SQP is provided) is acceptable.		
1	(v) Bidder shall agree to submit all cross referred documents other than codes/standards to BHEL/Customer/Consultant.		
	<b>Important Notes shall be included in MQP :</b> (a) Latest revision of Standard s & Specification shall apply. Only International Standards are applicable. (b) Materials shall be procured in compliance to Functional Technical Specification. (c) Inspection shall be in compliance with Approved Quality Control Procedure for the Product. (d) NDT shall be carried out by Qualified Personnel with compliance to Approved NDT Procedures and Acceptance Norms, as per ASME standard. (e) Gauges and measuring Instruments, with valid calibration only shall be used. (f) Cleaning and Painting of products shall be carried out as per Approved Painting Schedule. (g) Finished Products shall be packed to comply with Approved Packing Schedule. (h) Welding shall be carried out by Qualified Personnel with compliance to Approved NDT Procedures and Acceptance Norms, as per ASME standard.		
2	<b>Domestic / Inland Inspection</b> will be carried out by BHEL/BHEL appointed Third Party Inspection Agency (TPIA) / Customer/Customer Appointed Inspection Agency/Consultant. This is applicable for all Stage inspection and Final Inspection identified as "W" - Witness or "CHP" - Customer Hold Point as per customer approved Quality Plan/ Technical specification / Approved Drawing/ Approved Data sheet / Scheme / PID / PFD / SLD (Process Instrumentation Diagram / Process Flow Diagram / Single Line Diagram) etc. (as applicable).		
3	<b>Inspection Agency for Foreign Bidders and also for Indian Bidder but importing from Foreign Sources:</b> (1) Any one of the following Third Party Inspection Agency (TPIA) shall be appointed by the bidder and same shall be furnished by the bidder in techno commercial bid itself. (2) The details of TPIA with contact details like Name of the official, Phone no, Email id shall also to be submitted during pre/post award. However cost for such inspection agency shall be borne by the bidder only. Inspection charges for such inspection agency shall be indicated separately so that if BHEL/Customer is undertaking the inspection by on their own , then these charges are non claimable by the bidder. For NTPC Project ensure TPI Approved by NTPC. Refer our QC Procurement email in this regard. <b>List of TPIA</b> 1.M/s Bureau Veritas 2.M/s TUV-Nord 3.M/s TUV-SUD 4.M/s TUV Rheinland 5.M/s Lloyds Register 6.M/s SGS 7.M/s Germanischer Lloyds 8.M/s QUEST 9.M/s Certification Engineers International 10.M/s Intertek 11.M/s IR Class Systems and Solutions 12.M/s DNV 13. M/s Fichtner 14. M/s ABS Inspection Services		

Sl.No	BHEL / Customer Requirements	## Specific confirmations by the manufacturer (Acceptable/Not acceptable)
4	<p><b>Stage Inspection during manufacturing Process :</b> Stage Inspection during manufacturing shall be carried out as per approved quality plan and all necessary documents shall be provided for review, verification and clearance for further processing. This inspection call shall be given well in advance (at least 2 weeks before) to TPI/Bidder's own inspection agency to avoid delay in the manufacturing processes.</p>	
5	<p><b>Inspection before despatch for domestic supplier :</b> Inspection before despatch at supplier's works shall be carried out by BHEL appointed Inspection agency (as in Sl no. 2). Inspection shall be done as per approved Quality plan/ Technical specification/ Approved Drawing/ Approved Data sheet .</p>	
6	<p><b>Inspection at Foreign Source/Supplier:</b>                      (a) As in sl no: 3. shall be ensured without fail                      (b) No material / items shall be despatched without getting the written communication from BHEL / Customer inspection carried out by Bidder appointed Third Party Inspection Agency (As per Sl no.3) / Customer/Customer Appointed Inspection Agency/Consultant. This is applicable for all Stage inspection and Final Inspection identified as "W" - Witness or "CHP" - Customer Hold Point as per customer approved Quality Plan/ Technical specification / Approved Drawing/ Approved Data sheet / Scheme / PID / PFD / SLD (Process Instrumentation Diagram / Process Flow Diagram / Single Line Diagram) etc. (As applicable).                      Inspection before despatch for Foreign supplier : Inspection before despatch at supplier's works shall be carried out by bidder appointed inspection agencies having international presence at vendors and or vendor's sub vendor works. Inspection shall be done as per approved Quality plan/ Technical specification/ Approved Drawing/ Approved Data sheet by TPIA mentioned in Sl no: 03 at supplier's cost.</p>	
7	<p><b>Painting</b> shall be done strictly as per BHEL/Customer approved painting schedule / scheme only. Paint Thickness / Paint shade shall be ensured as per BHEL / Customer approved painting schedule / specification / data sheet etc. No deviation is acceptable unless otherwise accepted by BHEL/Customer in writing. Any conflict if any among BHEL / Customer approved painting schedule / Spec / data sheet etc. shall be brought to the notice of BHEL well in advance before proceeding including the BOI being procured for assy / skid like motors etc.</p>	
8	<p>Specific conformation for document package in the event of an order (2 Hard copies &amp; soft copy in PDF file) is to be given containing the following with proper linkages                      (i) Index Sheet                      (ii) MQP/RQP/Endorsement Sheet (As applicable)                      (iii) TCs identified by BHEL/ Customer for record for "CHP" / "W" and Verification portion ("V") as given in approved QP.                      (iv) Final inspection report + TC including Chemical + Mechanical + HT + NDT etc.                      (v) Third party Inspection report + TC                      (vi) Customer CHP/ MDCC                      (vii) Type test / Performance Test reports conducted                      (viii) Type test / Performance Test approval/ clearance obtained from BHEL/Customer                      (ix) BOM with As Build Drgs with actual make / rating used with BHEL/customer approved drawings.</p>	
9	<p><b>Packing / Seaworthy Packing</b> shall be as per BHEL Packing schedule / approved drg / sketch. This shall be ensured to take care transit / handling / transshipment in Road / Sea / Air. Photographs are to be submitted for BHEL review before despatching the material as per contract conditions.</p>	
10	<p><b>Outsourcing of test facilities:</b> Bidder shall ensure all the testing facilities in house. However If any of the test facilities are not available with successful bidder, then bidder shall ensure the same at NABL accredited third party lab / Govt / Govt Lab for major testing such as NDT, Electrical &amp; Mechanical testing.</p>	
11	<p><b>Important Note:</b> No deviation on the above requirement 01 to 10 is acceptable with respect to Quality Requirement and those offers not meeting these specific customer requirement is liable for rejection and hence the bidder shall submit all the required documentary evidences in the offer itself.</p>	
12	<p>## Necessarily to be filled up by the bidder at the time of offer itself otherwise the offer may not be considered w.r.t Quality Requirement being customer specific requirement.</p>	

VENDOR SIGN AND STAMP:

Vendor Name & Address:

\*(To be submitted In the company letter head by supplier)

## **Form - 1**

**Subject:** Public Procurement (Preference to Make In india)

**References:**

- 1.P-45021/2/2017-B.E-II dated. 15<sup>th</sup> June-2017,
- 2.P-45021/2/2017-PP(BE-II) dated. 28<sup>th</sup> May-2018 ,
- 3.P-45021/2/2017-PP(BE-II) dated. 29<sup>th</sup> May-2019.
- 4.P-45021/2/2017-PP(BE-II) dated. 4<sup>th</sup> June-2020

We hereby declare with reference to above subject and references that M/s -----(Tick whichever is applicable as below)

"Class-I local supplier" meeting the requirement of minimum local content equal to 50%(fifty percent) or more defined in the above government notification for the goods and services (or)

"Class-II local Supplier" meeting the requirement of local content 20% to less than 50%(fifty percent) defined in the above government notification for the goods and services

Please mention the details against the following:

Enquiry no:----- dated. -----

Type of Supplier (Class-I/Class-II) .....

Product:-----

Project:.....

Details of location at which local value addition will be made is as follows:

---

We also understand that the false declarations will be in breach of the code of Integrity under rule 175(1)(i)(h) of the General financial rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Authorized Signature M/s \_\_\_\_\_  
(Signature and seal)

Place:.....

Date:.....

From.

M/s \_\_\_\_\_

Address: \_\_\_\_\_

**Note:** For offer value INR 10 crores or more, shall be vetted/endorsed by statutory auditor or cost auditor, for the declared local content.

**\*(To be submitted In the company letter head by supplier)**

## **Form – 2**

I/we are bidder from \_\_\_\_\_ (Address with country). We do not belong to any of the below category mentioned.

1. Any of entity/office/workshop of your organisation/incorporation, established in a country sharing land border with India, If yes, provide the full address of all such locations.
2. Any of subsidiary of your organisation/incorporation, established in a country sharing land border with India, If yes, provide the full address of all such locations.
3. Any of entity/office/workshop of your organisation/incorporation, controlled in a country sharing land border with India, If yes, provide the full address of all such locations.
4. Any of entity whose beneficial owner is situated in a country sharing land border with India, If yes, provide the full name, address of all such locations.
5. Any Indian Agent available, If so, Provide details of address and contacts.
6. Any employee/directors who is/are citizen of country sharing land border with India, If yes, provide the full name, employee code and address of all such locations.
7. Any of consortium/joint venture of your organisation/incorporation, established in a country sharing land border with India, If yes, provide the full address of all such locations.

### Meaning of beneficial owner

- 1) In case of a company or limited liability partnership, beneficial owner is the natural person, who, whether acting alone or together, or through one or more judicial person, has a controlling ownership interest or who exercises control through other means.

### Explanation

- a) Controlling ownership interest means ownership of or entitlement to more than twenty-five percent of shares or capital or profits of the company.
- b) "control" shall include the right to appoint majority of the directors or to control the management rights or shareholder's agreement or voting agreement.
- 2) In case or a partnership firm the beneficial owner is the natural person (s) who whether acting alone or together or through one or more judicial person, has ownership of the entitlement to more than fifteen percent of capital or profits of the partnership.
- 3) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together or through one or more judicial person, has ownership of the entitlement to more than fifteen percent of the property or capital or [profits of such association or body of individual.
- 4) Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.
- 5) In case of a trust, the identification of beneficial owner (s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust and any other natural person exercising the ultimate effective control over the trust through a chain of control of ownership.
- 6) An agent is a person employed to do any act for another, or to represent another in dealing with third person. We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India, we hereby declare that we do not belongs to any such country and are eligible to be considered. In case, any of information is found to be false, even after bid acceptance, immediate termination may happen and action will be taken as per law.

*Format is being filled without altering any of the clause mentioned in the given format\*\**

Dated: \_\_\_\_\_

Authorised Sign and stamp \_\_\_\_\_