



BHARAT HEAVY ELECTRICALS LIMITED

BAP – Ranipet, 632406

MM – PURCHASE Department (FGD)

Pls attach Technical PQR



Bharat Heavy Electricals Ltd
Boiler Auxiliaries Plant
Ranipet-632 406

FLUE GAS DESULPHURISATION DEPT
TECHNICAL SPECIFICATION

SPECIFICATION NO. ABR:DUCT:NMEJ

REV NO:02

PAGE NO 01 OF 03

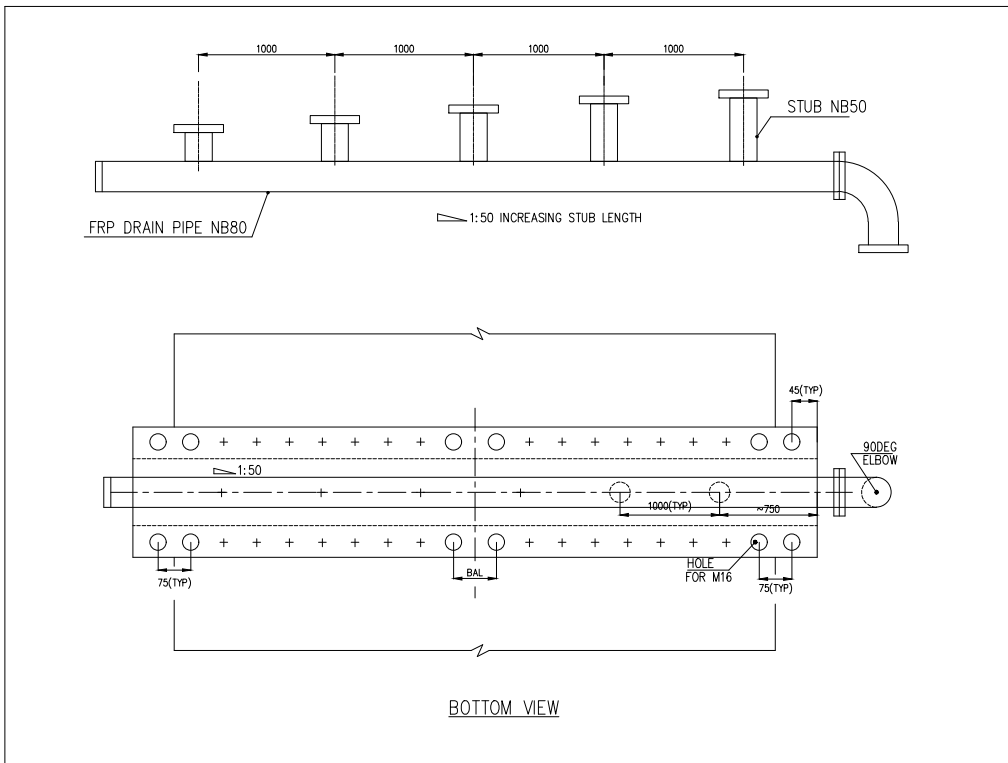
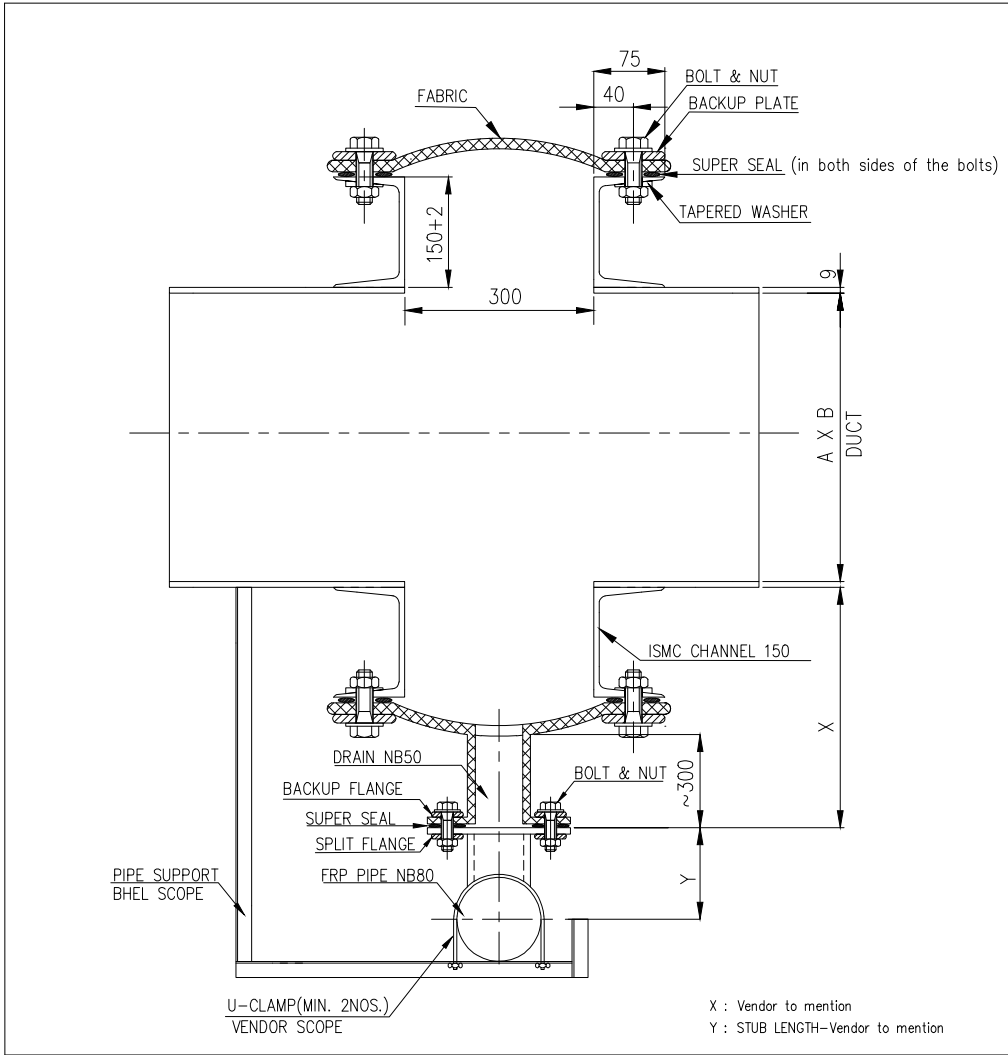
S.no	Item	Neck Flange type Non-Metallic Expansion Joints	Vendor Acceptance/ Comments
1	Scope of supply	(1) Fabric cloth, super seal gasket, back up plate & fasteners. (2)FRP pipe for horizontal ducts, super seal gasket, backup flange on the cloth side and split type backup flange on the FRP flange & fasteners with elbow and dummy flange. (3)Supervision of Installation of above two in the duct at site.	
2	Qualification Criteria	(i) Supplier should be a manufacturer of Non-Metallic Expansion Joints and relevant documents like ISO certificates/ MSME certificates/ Articles of Association/Factory registration certificate etc. shall be submitted by the vendor with offer. (ii) The vendor should have successfully supplied the expansion joints of similar design in thermal power plant/FGD outlet duct/similar application in a flue gas path. Unpriced PO copies shall be submitted by the vendor as proof of experience.	
3	Mounting type	Neck design as per enclosed sketch	
4	Location	Absorber to Chimney Duct (for carrying Flue Gas)	
5	Design Temperature	Refer enquiry/indent. Material of Fabric cloth & FRP drain pipe (as applicable) shall be suitable for the design temperature.	
6	Design/ working pressure	Design (-200, + 660)/ 200 mm water column	
7	Expansion	(i)Axial = ± 50 mm ;(ii)Lateral = ± 30 ; (iii)Angular = ± 2 deg	
8	Fabric	(a) PTFE coated glass fabric. (b) Minimum Tensile strength of fabric (in N/50mm) : 6000 (warp) & 6000 (weft).	
9	Backup – plate / Ring (GI)	a)On the back of Cloth- GI Backup Flat - Vendor scope. b)On the back of drain flange(cloth):- GI Back-up Flange - Vendor scope. c)On the Back of FRP Flange:- GI Split Flange – Vendor scope.	
10	Super seal (specification as per vendor's design)	a) In between cloth and duct flange. b) In between cloth and FRP pipe flange.	
11	FRP pipe (NB 80) details (Note: Applicable for Horz. Ducts only)	a) Length equal to width of duct (if supplied in two lengths/pieces- mounting flange, gasket and fasteners also to be provided for connection). One end with dummy flange other end with 90 deg elbow shall be provided. b) Stub length to be gradually increased to maintain 1:50 gradient for free flow of condensate. c) At the bottom of non-metallic expansion joints for every one meter drain hole shall be provided as per enclosed sketch.	

02	01-12-2021	Clause #18 updated	Arun Kumar	V.Kesavan
01	26-11-2021	Revised Generally	Arun Kumar	V.Kesavan
00	25-07-2021	Fresh Release	Arun Kumar	V.Kesavan
REV	DATE	DESCRIPTION	Prepared by	Checked & Approved by

Bidder's sign & seal

12	Fasteners Bolts, nuts & Washers (GI)	a)M16x60 – (i) for mounting cloth with Duct frame - vendor scope. (ii)for mounting Drain flange(cloth) with FRP stub flange – vendor scope. b)M16x80 - For mounting two pieces of FRP pipe (if applicable), and at the end for mounting dummy and elbow – vendor scope. c)M12 U-clamps with nuts & washers – for fastening FRP pipe with support (minimum 2nos for each FRP drain pipe)- vendor scope.	
13	Galvanizing	All galvanized items should have minimum 40 micron coating thickness	
14	Guarantee	Vendor shall guarantee 20,000 hours of operation from the date of commissioning	
15	Documents to be submitted	a) Vendor to submit duly filled, sealed & signed all pages of the specification with confirmation to each point. b) Relevant documents for manufacturer & Unpriced PO copies of previously supplied Non-Metallic Expansion Joints shall be submitted by the vendor as proof of experience. c) Vendor to furnish fabric cloth data sheet with physical and mechanical property along with the offer. d) Deviations (if any) shall be submitted at enquiry stage itself. e) Vendor to provided Quality plan with the offer.	
16	Drawing Approval	Detailed GA drawing of Non-metallic expansion joints including mounting holes arrangement & bill of materials shall be submitted by vendor after placement of PO. Drawing approval from BHEL Ranipet to be obtained for Non-Metallic Expansion Joints after award of contract before manufacturing.	
17	Inspection at vendor works	a) Inspection by BHEL or its authorized agency b) Material Test Certificates shall be submitted during inspection.	
18	Tools required at site	During installation of expansion joints at site, vendor has to arrange all special tools (returnable) for mounting fabric into the duct and FRP connection (like punching tool and Hot sealing tool etc.).	
19	Installation	a) For installation of Non Metallic Expansion Joints & its accessories, vendor has to quote supervision charges on per set basis of Non-Metallic Expansion Joint. Cloth cutting, hot sealing & hole punching in cloth (if anywhere special skill is required) shall be performed by vendor and shall be considered in supervision itself. b) TA/DA, boarding and lodging shall be borne by the bidder and shall be inclusive in the offer. c) Payment of supervision charges shall be made on the basis of set of Non Metallic Expansion Joints installed at site based on site certification. d) After the erection of duct at the respective site, fixing of Expansion Joint into the duct shall be in BHEL scope under the supervision of Vendor's expert.	
20	Packing	Items shall be wrapped in a polythene hessian and the package shall be kept in a wooden box. FRP pipe shall be packed in rigid crates in such a way that during transportation / stacking at site, no external load should contact/damage the pipes. Drawing approval for packing shall be taken from BHEL before dispatch.	
21	Outside the box	PO number , vendor name, item, Site address, Quantity inside the box to be mentioned.	
22	General	a)FRP drain pipe not applicable for Expansion Joints in Vertical Duct. b)FRP drain pipe along with elbow & dummy flange are applicable for joint in horizontal Duct only. c) Duct Flange details/drawings will be provided during detail engineering.	
23	Drawing	Drawing attached (refer next page). Vendor to seal & sign as compliance.	

Bidder's sign & seal





BHARAT HEAVY ELECTRICALS LIMITED

BAP – Ranipet, 632406

MM – PURCHASE Department (FGD)

Pls attach fabric data sheet

Quality Assurance (Mechanical)
CONTRACT QUALITY REQUIREMENT (CQR)

BHAD: FGD: NMEJ: 632

Dt. 12-12-2022

PROJECT	INDENT NO	PGMA	TECHNICAL SPECIFICATION
BHADRADARI (4X270 MW)	RFW21847	FW252	ABR:DUCT:NMEJ:R02, DT:01.12.2022

Item Name: NON-METALLIC EXPANSION JOINTS & ITS ACCESSORIES.

1. All the items shall be inspected at Manufacturer works as per TSGENCO/Customer Approved QP/ Approved Drawing/Approved datasheet and Technical Specification.
2. Physical Inspection shall be done by BHEL/BHEL AIA at Manufacturer works as per Customer approved QP.
3. Commercial shall be contacted for applicable source/ Vendor.
4. Arrange Vendor acceptance for BHEL SQP (QP NO. NMEJ: 739/01, DT: 13.02.2021) with their duly sign and seal.
5. In addition to QP NO. NMEJ: 739/01, DT: 13.02.2021, further inspection stage/Quantum of Check may vary if required by Customer/TSGENCO during their review and approval.
6. Packing of items shall be as per BHEL Engg Approved Packing Drawing/Technical Specifications.
7. BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO. The supplier shall inform BHEL in advance about the readiness of the goods for inspection and testing. Inspection / Inspection wavier / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO. Material Test Certificates shall be submitted to BHEL.
8. Annexure 'Q' shall be part of enquiry File and shall be filled by Supplier with their duly sign and seal.
9. **General Inspection 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 wavier / 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.

Note: Purchase is request to arrange vendor specific QP for onward submission to Customer/TSGENCO for their review and approval after award of PO from Successful Vendor.

This is for your information and further necessary action at your end please.

Sd\ - Rakesh Kr Madhu
Dy/Mgr-QA

Sd\ - K Renjith
Mgr/QA

Quality Assurance (Mechanical)
CONTRACT QUALITY REQUIREMENT (CQR)

KOTHA: FGD: NMEJ: 631

Dt. 12-12-2022

PROJECT	INDENT NO	PGMA	TECHNICAL SPECIFICATION
KOTHAGUDEM (1X660 MW)	RFW21848	FW252	ABR:DUCT:NMEJ:R02, DT:01.12.2022

Item Name : NON-METALLIC EXPANSION JOINTS & ITS ACCESSORIES.

1. All the items shall be inspected at Manufacturer works as per TSGENCO/Customer Approved QP/ Approved Drawing/Approved datasheet and Technical Specification.
2. Physical Inspection shall be done by BHEL/BHEL AIA at Manufacturer works as per Customer approved QP.
3. Commercial shall be contacted for applicable source/ Vendor.
4. Arrange Vendor acceptance for BHEL SQP (QP NO. NMEJ: 739/01, DT: 13.02.2021) with their duly sign and seal.
5. In addition to QP NO. NMEJ: 739/01, DT: 13.02.2021, further inspection stage/Quantum of Check may vary if required by Customer/TSGENCO during their review and approval.
6. Packing of items shall be as per BHEL Engg Approved Packing Drawing/Technical Specifications.
7. BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO. The supplier shall inform BHEL in advance about the readiness of the goods for inspection and testing. Inspection / Inspection wavier / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO. Material Test Certificates shall be submitted to BHEL.
8. Annexure 'Q' shall be part of enquiry File and shall be filled by Supplier with their duly sign and seal.
9. **General Inspection 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 wavier / 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.

Note: Purchase is request to arrange vendor specific QP for onward submission to Customer/TSGENCO for their review and approval after award of PO from Successful Vendor.

This is for your information and further necessary action at your end please.

Sd\ - Rakesh Kr Madhu
Dy/Mgr-QA

Sd\ - K Renjith
Mgr/QA

Quality Assurance (Mechanical)
CONTRACT QUALITY REQUIREMENT (CQR)

YADAD: FGD: NMEJ: 633

Dt. 12-12-2022

PROJECT	INDENT NO	PGMA	TECHNICAL SPECIFICATION
YADADARI (5X800 MW)	RFW21849 & RFW21855	FW253	ABR:DUCT:NMEJ:R02, DT:01.12.2022

Item Name: NON-METALLIC EXPANSION JOINTS & ITS ACCESSORIES.

1. All the items shall be inspected at Manufacturer works as per TSGENCO/Customer Approved QP/ Approved Drawing/Approved datasheet and Technical Specification.
2. Physical Inspection shall be done by BHEL/BHEL AIA at Manufacturer works as per Customer approved QP.
3. Commercial shall be contacted for applicable source/ Vendor.
4. Arrange Vendor acceptance for BHEL SQP (QP NO. NMEJ: 739/01, DT: 13.02.2021) with their duly sign and seal.
5. In addition to QP NO. NMEJ: 739/01, DT: 13.02.2021, further inspection stage/Quantum of Check may vary if required by Customer/TSGENCO during their review and approval.
6. Packing of items shall be as per BHEL Engg Approved Packing Drawing/Technical Specifications.
7. BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO. The supplier shall inform BHEL in advance about the readiness of the goods for inspection and testing. Inspection / Inspection wavier / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO. Material Test Certificates shall be submitted to BHEL.
8. Annexure 'Q' shall be part of enquiry File and shall be filled by Supplier with their duly sign and seal.
9. **General Inspection 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 wavier / 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.

Note: Purchase is request to arrange vendor specific QP for onward submission to Customer/TSGENCO for their review and approval after award of PO from Successful Vendor.

This is for your information and further necessary action at your end please.

Sd\ - Rakesh Kr Madhu
Dy/Mgr-QA

Sd\ - K Renjith
Mgr/QA


11964515634/BAP-QA_MECH

SL NO		COMPONENT & OPERATION		CHARACTERISTICS		CLASS OF CHECK		TYPE OF CHECK		QUANTUM OF CHECK		REFERENCE DOCUMENTS		ACCEPTANCE NORMS		FORMAT OF RECORD		Agency		REMARKS	
										6		7		8		9		10		11	
1		2		3		4		5		M C/N		7		8		9		D 10		11	

1.0 RAW MATERIAL																					
1.1	Clamping Bar	Chemical Composition & Mech. Properties, Galvanizing	Major	Review of MTC	Each Heat	Each Heat	Approved Drawing / Datasheet	MTC/ Lab. TC	√	V	V	V	All galvanized item shall be minimum 40 micron thickness.								
2.0 INPROCESS INSPECTION																					
2.1	Fabric Material:	Weight	Minor	Measure	One sample per Lot (Lot means item offered for inspection at a time)	Approved Drawing / Datasheet	Report	√	P	V	V	Individual Layers									
2.2		Thickness	Major	Measure		Approved Drawing / Datasheet	Report	√	P	V	V										
2.3	Fabric(Glass) PTFE Foil	Tensile test (wrap & weft)	Major	Mechanical Test		Approved Drawing / Datasheet	Report	√	P	V	V										
2.4	Silicon Coated glass Fabric	Pin Hole test	Major	Measure		Approved Drawing / Datasheet	Report	√	P	V	V	For PTFE Foil									
2.5	Texlam 1500	Air Permeability	Major	Measure		Approved Drawing / Datasheet	Report	√	P	V	V	For coated & laminated fabrics									
2.6		Joint efficiency test – Applicable in case of any joint	Major	Measure		NTPC Approved Drawing / Datasheet/Manufacturer Standard	Report	√	P	W	V										
3.0 FINAL INSPECTION																					
3.1	Temp withstandability test for composite fabric for surge temp.	Test	Major	Measure	One sample per Lot	NTPC Approved Drawing / Datasheet/Manufacturer Standard	Report	√	P	W	W	(Lot means item offered for inspection at a time)									
3.2	Flexibility test	Test	Major	Measure	One sample per Lot	NTPC Approved Drawing / Datasheet/Manufacturer Standard	Report	√	P	W	W										

Manufacturer Sign & Seal		Legends: M – Manufacturer / Subcontractor, C – Main Contractor / BHEL /BHEL Authorized Inspection Agency, N – Customer / NTPC, P - perform, TC – Test Certificate V - Verification of reports, COC – Certificate of conformance - Witness, TC - Test certificate "D" – Record, identified with tick (√) shall be essentially included by Supplier in QA documentation. NMEJ- Non-Metallic Expansion Joint.		Prepared by		Reviewed by		Approved by	
				Rakesh Kr Madhu (Dy.Mgr/QA)		K Renjith (Manager/QA)		R Arunachalam (DGM/QA)	

1196451/2022/BAP/QA_MECH

MANUFACTURER'S NAME & ADDRESS				STANDARD QUALITY PLAN				PROJECT: AS PER PO.						
 Ranipet CUSTOMER BHEL/ BHEL APPROVED SOURCE (AS PER PROJECT REQUIREMENT)				ITEM: NON-METALLIC (Fabric) EXPANSION JOINT for FGD Applications.				QP. NO.: NMEJ:739 Rev No. :01 Date: 13.02.2021 Page 2 of 2						
SL NO	COMPONENT & OPERATION	CHARACTERISTICS	CLASS OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENTS	ACCEPTANCE NORMS	FORMAT OF RECORD		Agency			REMARKS
					M	C/N			M	B	N			
1	2	3	4	5	M	C/N	7	8	9	D	10			11

3.3	Expansion Joints.	Dimension & Finish	Major	Visual & Dimensional	100%	100%	As per Approved Drawing / Specification/Datasheet	Report	√	P	W	W	
3.4	Packing,	Visual	Minor	Verification	100%	100%	As per P.O Drawing/Specification	COC	√	P	V	-	

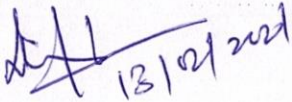
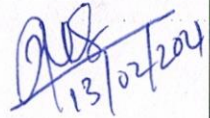
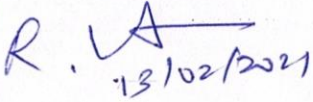
@@ In case of Project / Customer specific requirements, inspection stage / type of check / Quantum of check may change.

Notes:

1. Latest version of standards & Specification shall be applied.
2. All the critical Dimensions shall be checked for dimensional conformity.
3. Materials shall be procured in compliance to Functional Technical Specification.
4. Gauges and measuring instruments with valid calibration only shall be used.
5. Inspection / Inspection waiver / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO.
6. BHEL /BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO.
7. This QP is applicable for Mandatory spare also as applicable.
8. This QP shall be read along with relevant PO, Approved drawing/Specification/Approved datasheet as applicable.
9. Loose Items/Items minor in nature, which are not covered under this QP.Manufacture COC/TC Shall, be reviewed by Inspection agency.

Record of revision

Rev no	Date	Description
00	07.03.2020	Original Issue (First Submission)
01	13.02.2021	Based on Customer requirement

Manufacturer Sign & Seal	Legends: M – Manufacturer / Subcontractor, C – Main Contractor / BHEL /BHEL Authorized Inspection Agency, N – Customer / NTPC, P - perform, TC – Test Certificate V - Verification of reports, COC – Certificate of conformance - Witness, TC - Test certificate "D" – Record, identified with tick (√) shall be essentially included by Supplier in QA documentation. NMEJ- Non-Metallic Expansion Joint.	Prepared by	Reviewed by	Approved by	
					Rakesh Kr Madhu (Dy.Mgr/QA)

Annexure Q

Indent No:		Enquiry no:	
Sl.No	BHEL / Customer Requirements	## Specific confirmations by the manufacturer (Acceptable/Not acceptable)	
	Quality Plan Requirement: (If SQP is not given & Vendor QP applicable)		
	(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.		
	Important Notes shall be included in MQP : (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	Domestic / Inland Inspection 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	Inspection Agency for Foreign Bidders and also for Indian Bidder but importing from Foreign Sources: (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. List of TPIA 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		

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Sl.No	BHEL / Customer Requirements	## Specific confirmations by the manufacturer (Acceptable/Not acceptable)
4	Stage Inspection during manufacturing Process : 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.	
5	Inspection before despatch for domestic supplier : 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 .	
6	Inspection at Foreign Source/Supplier: (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.	
7	Painting 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.	
8	Specific conformation for document package in the event of an order (2 Hard copies & 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.	
9	Packing / Seaworthy Packing 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.	
10	Outsourcing of test facilities: 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 & Mechanical testing.	
11	Important Note: 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.	
12	## 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.	

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. 15th June-2017,
- 2.P-45021/2/2017-PP(BE-II) dated. 28th May-2018 ,
- 3.P-45021/2/2017-PP(BE-II) dated. 29th May-2019.
- 4.P-45021/2/2017-PP(BE-II) dated. 4th 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: _____

***(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

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

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_____



BHARAT HEAVY ELECTRICALS LIMITED

BAP – Ranipet, 632406

MM – PURCHASE Department (FGD)

Pls attach MSE or startup certificate, as applicable

BANK GUARANTEE FOR PERFORMANCE SECURITY

Bank Guarantee No:

Date:

To

Bharat Heavy Electricals Limited,
Boiler Auxiliaries Plant,
RANIPET -632 406,
Tamil Nadu,
INDIA

Dear Sirs,

In consideration of the **Bharat Heavy Electricals Limited** 1 (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at "BHEL House", SRI Fort, New Delhi- 110049 through its Unit at **Boiler Auxiliaries Plant located at Ranipet-632406, Tamil Nadu, INDIA** having awarded to 2 having its registered office at _____ herein after referred to as the 'Contractor/Supplier', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref No. / **PO No** _____ dated 3. Valued at Rs _____ 4 (Rupees (In words) _____) for _____ 5 (hereinafter called the 'Contract') and the Contractor having agreed to provide a Contract Performance Guarantee equivalent to 10% (Ten Percent) of the said value of the Contract to the Employer for the faithful performance of the Contract.

We _____ (hereinafter referred to as the Bank), having registered/Head Office at _____ and inter alia a branch at _____ being the Guarantor under this Guarantee, hereby, irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer a maximum amount Rs _____ (**Rupees** _____) without any demur, immediately on a demand from the Employer. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding **Rs. _____ (Rupees _____)**.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Contractor/Supplier in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the contractors/supplier shall have no claim against us for making such payment.

We the _____ bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

We _____ BANK further agree with the Employer that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Contractor/Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Contractor/Supplier and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor/Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Contractor/Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities.

This Guarantee shall remain in force up to _____ 6 with a validity period of ___ months & claim period of 3 months and shall be extended from time to time for such period as may be desired by Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Contractor/Supplier but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms thereof.

Unless a demand or claim under this guarantee is made on us in writing on or before the _____ 7 we shall be discharged from all liabilities under this guarantee thereafter.

We _____ BANK, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed Rs _____ (Rupees _____ Only) 8
- b) This Guarantee shall be valid up to _____ 9
- c) Unless the Bank is served a written claim or demand on or before _____ 10 all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.

We _____ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of
(Name of the Bank)

Dtd :

Place of Issue:

1. NAME AND ADDRESS OF EMPLOYER i.e., Bharat Heavy Electricals Limited.
2. NAME AND ADDRESS OF VENDOR/CONTRACTOR/SUPPLIER
3. DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE
4. BG AMOUNT IN FIGURES AND WORDS
5. PROJECT/SUPPLY DETAILS
6. VALIDITY DATE with a validity of 3 months claim period.
7. DATE OF EXPIRY OF CLAIM PERIOD
8. BG AMOUNT IN FIGURES AND WORDS
9. VALIDITY DATE
10. DATE OF EXPIRY OF CLAIM PERIOD

Ple note: The Validity period wrt our conditions applicable for the Supply / Erection & condition.



Bankers, Auditors & Share Transfer Agent

Bankers	
Axis Bank	
Bank of Baroda	
Canara Bank	
Central Bank of India	
CITI Bank N.A	
Deutsche Bank AG	
Export-Import Bank of India	
HDFC Bank Limited	
IDBI Bank	
Indian Bank	
Indian Overseas Bank	
Indusind Bank	
Kotak Mahindra Bank	
Punjab National Bank	
RBL Bank Ltd.	
Standard Chartered Bank	
State Bank of India	
The Federal Bank Limited	
Union Bank of India	

Registered Office

BHEL House, Siri Fort, New Delhi-110049 (India)

CIN: L74899DL1964GOI004281

Phone: 011-66337000, Fax: 011-66337428

www.bhel.com

shareholderquery@bhel.in

INTEGRITY PACT**Between**

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for _____

_____ (hereinafter referred to as "Contract"). The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint panel of Independent External Monitor(s) (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits himself to observe the following principles during participation in the tender process and during the contract execution.

- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process, terminate the contract, if already awarded, exclude from future business dealings and/ or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 4 - Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder (s) from the tender process before award / order acceptance according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal is entitled to terminate the Contract according to Section 3, or terminates the Contract in application of Section 3 above, the Bidder(s)/ Contractor (s) transgression through a violation of Section 2 above shall be construed breach of contract and the Principal shall be entitled to demand and recover from the Contractor an amount equal to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher, as damages, in addition to and without prejudice to its right to demand and recover compensation for any other loss or damages specified elsewhere in the contract.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 (three) years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason or action can be taken as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 6 - Equal treatment of all Bidder (s)/ Contractor (s) / Sub-contractor (s)

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor(s) and ensure that all Sub-contractors also sign the Integrity Pact.
- 6.3 The Principal will disqualify from the tender process all Bidders who do not sign this Integrity Pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 -Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact.
- 8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.
- 8.4 The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.

- 8.5 The advisory role of IEMs is envisaged as that of a friend, philosopher and guide. The advice of IEMs would not be legally binding and it is restricted to resolving issues raised by a Bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some Bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of Contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to the CMD, BHEL at the earliest. They may also send their report directly to the CVO, in case of suspicion of serious irregularities requiring legal/ administrative action. Only in case of very serious issue having a specific, verifiable Vigilance angle, the matter should be reported directly to the Commission. IEMs will tender their advice on the complaints within 30 days.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.
- 8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.
- 8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code / Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs. Issues like warranty/ guarantee etc. shall be outside the purview of IEMs.
- 8.12 However, the IEMs may suggest systemic improvements to the management of the Principal, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.
- 8.13 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

- 9.1 This Integrity Pact shall be operative from the date this Integrity Pact is signed by both the parties till the final completion of contract for successful Bidder, and for all other Bidders 6 months after the Contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.
- 9.2 If any claim is made/ lodged during currency of this Integrity Pact, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

- 10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.
- 10.2 Changes and supplements as well as termination notices need to be made in writing.
- 10.3 If the Bidder(s)/ Contractor(s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.
- 10.4 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders / contractors who have entered into this Integrity Pact with the Principal would be competent to participate in the bidding. In other words, entering into this Integrity Pact would be a preliminary qualification.
- 10.6 In the event of any dispute between the Principal and Bidder(s)/ Contractor(s) relating to the Contract, in case, both the parties are agreeable, they may try to settle dispute through Mediation before the panel of IEMs in a time bound manner. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as the terms & conditions of the Contract. The fees/expenses on dispute resolution through mediation shall be shared by both the parties. Further, the mediation proceedings shall be confidential in nature and the parties shall keep confidential all matters relating to the mediation proceedings including any settlement agreement arrived at between the parties as outcome of mediation. Any views expressed, suggestions, admissions or proposals etc. made by either party in the course of mediation shall not be relied upon or introduced as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the dispute that is the subject of mediation proceedings. Neither of the parties shall present IEMs as witness in any Alternative Dispute Resolution or judicial proceedings in respect of the dispute that was subject of mediation.

 For & On behalf of the Principal
 (Office Seal)

 For & On behalf of the Bidder/ Contractor
 (Office Seal)

Place _____
 Date _____

Witness: _____
 (Name & Address) _____

Witness: _____
 (Name & Address) _____
