BHEL :: BAP :: RANIPET PURCHASE DEPARTMENT NOTICE INVITING TENDER

ANNEXURE-A TO OPEN TENDER

SCOPE: Supply of Cladded Plates (CS Plate - 7 mm + C276 2 mm) as per Size, Scope, Specification and Quantities as listed below.

ENQ SNO	SIZE	SUPPLY CONDITION	MATERIAL SPECIFICATION	Applicable BHEL TDC	Qty Tolearnce	Qty in MT	DELIVERY PERIOD
01	C276 CLADDED PLATE: CS 7 mm + C276 Sheet 2mm (W2200 mm) - (No of plates shall be ensured - 324 Nos)		CS Plate - 7 mm ASTM A36/IS2062 Gr A + 2 mm C276 Sheet)	BHEL: TDC: RTS: 005 Rev 02 & SQP: FGS:755 Dt 23.03.21	-0 / + 5 %		Within 150 Days from PO
		Total				310.0	

Only Indigenous Sources will be eligible to bid and Item wise evaluation will be applicable.

Financial PQR - To be submitted by Supplier

- 1. Turnover to be as per value mentioned in GeM Tender
- 2. The Bidder has to quote the final Price on per MT basis inclusive of Packing, Forwarding, taxes (GST 18 %), duties, freight, insurance and all other applicable charges.
- 3. Quantity Tolerance as mentioned above for individual item quantity. Supplies beyond this tolerance will be rejected and returned to the supplier.
- 4. Delivery Terms: F.O.R. DESTINATION (Destination: BHEL Stores, Ranipet). Packing, Forwarding, Freight, Insurance charges and all applicable taxes to be included in quoted price.
- 5. Signed & sealed copy of Annexure-A and other documents required to meet technical & Financial PQR should be submitted along with the offer.
- 6. Dispatch clearance to be obtained from BHEL before dispatching the material.



Pre-Qualification Criteria

Enq. No. & Date:

Bidder's Name:

The following are the Pre-Qualification Criteria for participating in the Tender. Necessary supporting documents shall be submitted for meeting each of the below Pre-Qualification Criteria for evaluation of the offers.

Sl. No.	Pre- Qualification Criteria	Documentary Evidence to be submitted by Bidder along with offer	Bidders' Remarks/ Comment/ Confirmation
01	Confirmation to tender specification and as per TDC:RTS:005.Rev.02 dtd 13.03.2021 and SQP:FGS:755 dtd 23.03.2021.	Signed & sealed copy of TDC and SQP.	
02	Bidder should be a Manufacturer. (Authorization Letter from Manufacturer/Mill in case of Traders/Dealers/Agents)	Registration certificate / Certificate of Incorporation / Authorizations letter.	
03	Past Experience / Performance Certificates from their Customer for same Specification materials.	(i) PO copy (ii) Invoice/ SRV/ BL (iii) Test / Inspection report of same PO.	
04	Bidders shall not have been black-listed / kept on hold / given Business holiday for a specified period by any PSUs or Government Departments/any other units of BHEL.	Self-declaration to be submitted by bidder.	

BHEL reserves the right to consider / Not-consider the offers based on the evaluation of documents submitted for the above Pre-Qualification Criteria. BHEL also reserves the right to have On-Site assessment of the facilities at supplier's works during the bid evaluation.

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 extant guideline of BHEL.

Ranipet

TECHNICAL DELIVERY CONDITION FOR **80492002022 51FAAISS** N 10276 CLADDED CARBON STEEL PLATES TO SPECIFICATION **ASTM A265**

DOC No:	TDC: RTS: 005
Effective Date:	13/03/2021
Rev:	02
Page:	1 of 4

1.0	Scope				
1.1	This TDC specifies the addition	onal requirements for the delivery of UNS N10276 as per			
	ASTM B575 cladded on one sid	e of carbon steel plates Class 1 conforming to ASTM A265-			
	12 and to the latest edition.				
1.2	The size and Quantity shall be as specified in the Enquiry/ Purchase order				
2.0	Chemical composition and process				
2.1	UNS N10276 as per ASTM B57				
2.2	Carbon steel as per ASTM A36				
2.3		ding metal to base plate shall be Explosion bonding or Hot			
	rolling or combination of both to achieve the required quality as per ASTM A265-12. In the cladded plate, joint is not permitted for width up to 1.2 metre in both base plate and				
2.4	1	* *			
	_	of cladded plate is greater than 1.2 metre, there shall not be			
		ts in cladding metal sheet before cladding and no joint in			
		Radiographic testing of all such joints shall be done by			
		Div.1, UW-51. Weld seam location and orientation shall be			
	provided by manufacturer before	e cladding.			
3.0	Dimensional tolerances				
3.1	The plates shall be supplied to the	ne dimensions specified in the enquiry/PO. Enquiry/PO shall			
	state the following				
		1) Length and width of plate.			
	2) Base metal thickness	2) Base metal thickness			
	3) Clad metal thickness				
	The following dimension	nal tolerances shall apply			
	-				
	a) Thickness	As per Enquiry/ PO			
	b) Cladded plate	Composite thickness should not be less than the specified			
	Thickness	thickness.			
		(+) 2 mm (or) (+) 10% of composite thickness (whichever			
		is greater), (-) 0 mm			
	c) Clad Metal thickness	Thickness should not be less than the specified			
		thickness. Over tolerance on clad metal thickness shall be			
		as per clad metal specification. Thickness of clad metal in			
		C276 cladded plate shall be measured as per ASTM E 376			
		or any other equivalent ASTM/ASME/ISO/EN/DIN			
		standard. For the purpose of measurement, the C 276			
		cladded plate shall be divided into 4 equidistant grid lines			
		(perpendicular to longitudinal axis) and 3 equidistant grid			
		lines (parallel to longitudinal axis). Thickness of clad			
		metal in C 276 cladded plate shall be measured at the			
		intersection points of above referred grid lines.			
		intersection points of doo've referred grid lines.			
	d) Base metal thickness	Tolerance on thickness shall be as per Base plate			
		specification and should fulfil sl no. (b) specified above			
		-F			
	e) Length	(+)10 mm, (-) 0 mm			
	f) Width	(+)10 mm, (-) 0 mm			
	g) Flatness	5mm/m and 8mm/2m (max) [throughout the surface]			
	h) Edges	Edges shall be smooth trimmed edge. Burrs shall be			
	, 2050	removed. Edges should be uniform and free from any			
		defects or undulations.			
		delects of undulations.			
	•	•			

Ranipet

TECHNICAL DELIVERY CONDITION FOR **80492002022 51FAASS**S N 10276 CLADDED CARBON STEEL PLATES TO SPECIFICATION **ASTM A265**

DOC No:	TDC: RTS: 005
Effective Date:	13/03/2021
Rev:	02
Page:	2 of 4

4.0	Heat Treatment		
4.1	The plates shall be supplied in he	eat- treated condition.	
4.2	Cladded plates shall be stress re	elieved by Heat treatment (as per supplier's procedure) and	
	heat treatment chart / report shall	l be submitted.	
5.0	Mechanical Test		
5.1	Test samples shall be selected and prepared as per ASTM A265. Number of tests and re-		
	tests shall be carried out as per A	ASTM A265.	
	a) Tensile test	The tensile test to be conducted as per Clause 7.1 of	
		ASTM A265 with acceptance norms specified therein.	
	b) Ductility	Two bend tests for ductility of cladded plate shall be done, one with the cladding metal in compression and other with the cladding metal in tension. Specimen	
		preparation and procedure for ductility bend test shall be as per ASTM E290 with bend angle and diameter as per Bend test. The convex surface of specimen shall	
		withstand bending without cracking. Any cracks within one thickness of the edge of the specimen are not considered a bend test failure. Cracks occurring in the	
		considered a bend test failure. Cracks occurring in the corners of the bent portion shall not be considered significant.	
	c) Bond Strength:		
	c.1) Shear strength test	The shear strength test shall be carried out as per clause 7.2.1 of ASTM A265. The shear strength of the cladded	
	c.2) Bend test	plate shall not be less than 140 MPa. Three bend tests shall be made with the cladding metal in	
	c.2) Bella test	compression to determine the quality of the bond. These bend tests shall be made in the manner of the tension tests indicated in Fig.2 of ASTM A265 and shall be bent through an angle of 180° to the bend diameters provided in either ASTM A6/A6M or specification ASTM A20/A20M. At least two of the three tests shall show not more than 50% separation on both edges of the bent portion.	
	d) Ultrasonic test	The cladded plate shall be examined ultrasonically as per ASTM A578/A578 M, with Quality level Class 1 (ASTM A265).	
	e) Corrosion Test	Corrosion test of clad metal (UNS N10276 sheet) as per ASTM G48 Method A (No. of test samples shall be as per Enquiry / P.O based on project / customer specific requirements)	
6.0	Freedom from defects		
6.1	The material shall be clean, smooth	oth, sound and free from injurious defects.	
6.2	Any repair work on the cladded j	plate is not allowed as such.	
7.0	Inspection at Supplier's works		
7.1	being performed, to all parts of representative all reasonable fac	the manufacturer's works. The supplier shall offer BHEL's illities without any financial implication to satisfy the latter	
0.0		ed in accordance with this specification.	
8.0	Packing and Marking		
8.1	ensure acceptance by common	by size and prepared for shipment in such a manner as to carrier transportation and to afford protection from the by sea. Packing shall be of sea worthy packing.	



TECHNICAL DELIVERY CONDITION FOR 874920/2022 51FAASS N 10276 CLADDED CARBON STEEL PLATES TO SPECIFICATION **ASTM A265**

DOC No:	TDC: RTS: 005
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Na	шреі		Page:	3 of 4
	Each pac	kage shall be suitably marked with the following	ng details. A met	al label shall be
		attached to each package and shall bear the follow	•	ar racer smarr ce
	-	276 cladded Carbon steel plates	C	
		HEL Purchase Order Number		
	3. C	onsignment and Identification No.		
	4. S	ize, number and Weight		
	5. S	upplier's Name		
8.2		ation details like Purchase Order Number, Plate		
		tal heat Number, Cladding metal heat number, N		tion, Size of the
0.0		pplier Name etc. shall be stencilled on all the plate		
8.3		lle / crate shall be rigid enough to withstand the pa		
8.4		has to provide corner angle (suitable metal strips)	on all sides to a	void damages to
0.5	the edges	during transit and handling	1	
8.5		Image of packing for reference	e only	
8.6	Painting	- Non-cladded portion of Carbon steel base plate	shall be coated	with one coat of
	_	e Zinc silicate primer, DFT- 20µ	22 23	
9.0	Despatch			
9.1	It is the r	esponsibility of the supplier to ensure that no dam	age occurs during	g transit.
10.0	Inspection	on and Certification		
10.1		shall be complied as per the specification for ea		_
		g all elements of cl.3.0 to cl. 5.0 shall be furnish		_
		will be issued after verification of reports an	d is mandatory	before effecting
10.2		to BHEL stores.	1	11
10.2		ertificates shall be furnished with the following details HEL reference	legibly in English	language only
	1. D	a) BHEL PO Number		
		b) C276 cladded carbon steel plates		
	2. S	upplier's reference:		
		a) Supplier's name		
		b) Test certificate number		
		c) Quantity and Weight		
		d) Identification marks		

e) Process of manufacture

TECHNICAL DELIVERY CONDITION FOR PLATES TO SPECIFICATION ASTM A265

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	3. Test results:
	a) Material test certificates of base plate and cladding metal sheet
	b) RT report (if applicable)
	c) Heat treatment Batch no and details
	d) Clad metal thickness in cladded plate
	e) Mechanical properties
	f) Bond strength
restrail.	g) Ultrasonic test report
	h) Dimensional report
	i) Corrosion test report
11.0	End use
11.1	These are intended for lining of absorber in FGD system.
12.0	Rejection and replacement
12.1	In the event of any cladded plate proving defective in the course of rolling (forming),
	machining, testing, assembly or erection, such plates shall be rejected notwithstanding, any
	previous certification of satisfactory testing and/or inspection.
12.2	The supplier shall undertake to replace the rejected plates at his own cost and the rejected
	plates shall be sent back to the supplier after fulfilling the commercial terms and conditions.

RECORD OF REVISIONS

REV. NO	Clause revised	Details of revision	Date
00		Original issue	26.02.2019
01	1.1, 2.1, 2.2& 3.1	Revised Issue - Based on Engineering comments	20.05.2019
02	1.1, 2.2, 2.4, 3.1(b), 3.1(e), 3.1(f), 3.1(g), 3.1(h), 4.2, 5.1(c), 5.1(d), 5.1(e). 8.2, 8.3, 8.4, 8.5, 8.6, 10.1, 10.2	Revised Issue - Based on recommendation of Engineering, Quality, Purchase and Material Planning.	13.03.2021

ved by	Signature	Approved by
me and Desgn.		
muda Ballav Padhi GM / EDC- AQCS	refagh 15/3	2
Annamalai Manager / MPL	P. A 1	24.
Kesavan GM/ QC- Proc	13 B 202	1 15/3/21
Rajadurai 3M / QC- Shops		1000000
Arunachalam GM / QA & QC-OLI	R. NA 13/3/2021	K. Sakethraman AGM / Quality
3		M/QA & QC-OLI (2) 2)2021

MANUFACTURER'S

M/s BHEL (BAP) **RANIPET - 632406** & BHEL APPROVED

VENDORS

STANDARD QUALITY PLAN

PRODUCT: UNS N10276 CLADDED CARBON STEEL PLATES TO ASTM A265

DATE: 23.03.2021

DOC NO: SQP:FGS:755

PAGE: 1 OF 3

SUB-SYSTEM: FGD Package

SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK (6)	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY M C N	REMARKS
1	2	3	4	5	M C/N	7	8	9 D*	** 10	11

1.0	RAW MATERIALS										
1.1	CS Plates (Without Joint)	Chemical & Mechanical properties, Dimensions, Soundness	Major	Review	100%	Material Specification & BHEL TDC, PO, Approved Drawings	MTC	1	Р	V	
1.2	C276 Coil (ASTM B575 UNS N10276)	Chemical & Mechanical properties, Dimensions	Major	Review	100%	Material Specification (ASTM B575 UNS N10276) & BHEL TDC, PO, Approved Drawings	MTC	1	Р	V	Properties Re-
2.0	INPROCESS CON	TROLS				AND SUPPLEMENTAL STREET			i Alexandre		
2.1	Welding Qualification	Welding Procedure Qualification	Major	Review	100%	AWS D1.1 / ASME Sec IX / ISO / EN Std	WPS & PQR	1	Р	V	
2.2	Personnel Qualification	Welder Qualification	Major	Review	100%	AWS D1.1 / ASME Sec IX / ISO / EN Std	WPQ	1	Р	V	
2.3	De-Coiling of C276 coils	Visual & Dimensional, Flatness, Transfer of Marking	Minor	Visual, Measure	100%	Supplier Internal Procedure	-	-	Р	750 -	
2.4	Butt joint on C276 Plates, if applicable#	Weld Soundness	Major	RT	100%	ASME Sec VIII Div 1 UW-51	RT Report	1	Р	V	#Only one joint allowed per plate.
2.5	Cladding By Explosion Bonding / Hot Rolling / Combination of both	Joining of Corrosion Resistance Alloy (C276) with Base Metal	Major	Visual	100%	Supplier Internal Procedure	IR ·	1	Р	v	
2.6	Cladded Plate	Heat Treatment	Critical	Review	100%	Supplier Internal Procedure, BHEL TDC and ASTM A265	HT Chart	1	Р	V	

two	23/03/201	R. 1231312021
PREPARED BY	REVIEWED BY	APPROVED BY
ABDUL GHANI SR. ENGR /QA	RENJITH K MANAGER / QA	R. ARUNACHALAM DGM / QC-OLI & QA (MECH)
THE RESERVE OF THE PERSON OF T	BHEL (BAP), RANIPET	- 632 406

LEGEND: * **RECORDS** IDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.

** M: MANUFACTURER, C: BHEL / BHEL AIA, N: CUSTOMER; P: PERFORM, W: WITNESS, V: VERIFICATION; WPS: WELDING PROCEDURE SPECIFICATION; PQR: PROCEDURE QUALIFICATION RECORD; WPQ: WELDER PERFORMANCE QUALIFICATION, MTC-MILL/MANUFACTURER'S TEST CERTIFICATE; IR-INSPECTION REPORT

104574519022 HIFFEL

2/BAP-9751 FANS

STANDARD QUALITY PLAN

PRODUCT: UNS N10276 CLADDED CARBON STEEL PLATES TO ASTM A265

DOC NO: SQP:FGS:755

DATE: 23.03.2021 PAGE: 2 OF 3

M/s BHEL (BAP)
RANIPET - 632406
& BHEL APPROVED
VENDORS

SUB-SYSTEM: FGD Package

SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	THE RESERVE OF THE PROPERTY OF THE PERSON NAMED AND	NTUM ECK (6)	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY M C N	REMARKS
1	2	3	4	5	M	C/N	7	8	9 D*	** 10	11

FINAL INSPECTI	ON											
ecusive series	Bonding Quality	Critical	UT	100	20%	ASTM A578/A578 M	ASTM A265, Class 1	UT Report	1	Р	w	
ryadam; r			Shear Test	One /	Heat*	ACTM AGE DU	EL DO 9 TDC					* per heat means
Control of the contro	Bonding Quality#	Critical	Bend Test	Three / Heat*				IR	ľ	P	W	with respect to base material CS
	Chemical Test On Clad Plate	Major	Chemical	One /	Heat			IR	1	Р	W	
Cladded Plate	Mechanical	Critical	Tensile Test	Two / Heat*				IR	1	Р	w	
Guatifization Fersonital	Ductility	Critical	Bend Test@	end Test@ Two / Heat*				IR	1	Р	w	
tist, where the same and	Buotinty	@ One	Bend Test with	Cladd	ing Met	al in Compression	and other bend te	st with Clad	ding	Meta	al in Te	ension.
	Corrosion Test of clad metal	Critical	Corrosion Test			ASTM G48 Meth	od A	IR	1	Р	V	
Chie Coll(Mail)	Dimensions including Thickness, Flatness	Major	Measure	100	10%	BHEL TDC ^{\$} & P)	IR	1	Р	w	\$ Refer TDC for tolerances
PAINTING, MARI	KING & PACKING											
Painting on CS plate	Painting DFT	Major	Visual & Measure	100%)	BHEL TDC		IR	1	Р	V	
Marking	BHEL PO, Size, etc.	Major	Visual	100 %	10%	BHEL TDC & PC)	IR	1	Р	V	
	PAINTING, MARI Painting on CS plate	Bonding Quality# Chemical Test On Clad Plate Mechanical Ductility Corrosion Test of clad metal Dimensions including Thickness, Flatness PAINTING, MARKING & PACKING Painting on CS plate Bonding Quality# Chemical Test On Clad Plate Mechanical Ductility Painting Description of Clad Plate Painting Description of Clad Plate	Bonding Quality Critical Bonding Quality# Critical Chemical Test On Clad Plate Mechanical Critical Ductility Corrosion Test of clad metal Dimensions including Thickness, Flatness Major PAINTING, MARKING & PACKING Painting on CS plate Major	Bonding Quality Bonding Quality# Critical Chemical Test On Clad Plate Mechanical Critical Critical Critical Chemical Test On Clad Plate Mechanical Critical Critical Critical Critical Bend Test Critical Critical Bend Test Critical Critical Critical Corrosion Test of clad metal Dimensions including Thickness, Flatness PAINTING, MARKING & PACKING Painting on CS plate Painting DFT Major Visual & Measure	Bonding Quality Bonding Quality# Critical Critical Bend Test Chemical Test On Clad Plate Chemical Test On Clad Plate Mechanical Critical Corrosion Test of clad metal Dimensions including Thickness, Flatness PAINTING, MARKING & PACKING Painting on CS plate PAINTING CRITICAL Critical Corrosion Test of clad Major Measure Major Major Visual & Measure 100 Major Majo	Bonding Quality Critical Bonding Quality# Critical Bonding Quality# Critical Critical Bend Test Chemical Test On Clad Plate Mechanical Critical Corrosion Test of clad metal Dimensions including Thickness, Flatness Critical Critical Corrosion Corrosion Test As per P.O Major Measure PAINTING, MARKING & PACKING Painting on CS plate CRITICAL Major Major Visual & Measure Measure Major Measure Dimensions on CS Painting DFT Major M	Bonding Quality Critical Shear Test One / Heat* Bonding Quality# Critical Critical Critical Bend Test Three / Heat* Chemical Test On Clad Plate Major Chemical Critical Corrosion Corrosion Test of clad metal Dimensions including Thickness, Flatness Critical Corrosion Test As per P.O ASTM G48 Meth ASTM G48 Meth ASTM E290, BH Approved Drawir ASTM E290, BH APPROVED DRAWING ASTM G48 Meth ASTM A265, BH Approved Drawir Astronal Approved Drawir Astronal Approved Drawir Ast	Bonding Quality Critical Bonding Quality# Critical Bonding Quality# Critical Bonding Quality# Critical Critical Bonding Quality# Critical Bonding Quality# Critical Bonding Quality# Critical Bond Test Chemical Two / Heat* ASTM A265, BHEL PO & TDC, Approved Drawing. ASTM A2	Bonding Quality Critical Bonding Quality# Critical Critical Bonding Quality# Critical Critical Bonding Quality# Critical Shear Test Chemical Test Bend Test Three / Heat* Chemical Test On Clad Plate Critical Corrosion Test of clad metal Dimensions including Thickness, Flatness Painting on CS Painting DFT Major Majo	Bonding Quality Bonding Quality# Critical UT	Bonding Quality Critical Bonding Quality# Critical Critical Critical Bend Test Chemical Test On Clad Plate Mechanical Critical Critical Critical Critical Ductility Critical Corrosion Test of clad metal Dimensions including Test Major Corrosion Carlosion Test of Clad Dimensions including Test Major Painting on CS Painting on CS Painting On CS Painting On CS Painting OFF Major Critical Cr	Bonding Quality Critical UT

PREPARED BY

REVIEWED BY

ABDUL GHANI
SR. ENGR /QA

BHEL (BAP), RANIPET - 632 406

LEGEND: * **RECORDS** IDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.

** M: MANUFACTURER, C: BHEL / BHEL AIA, N: CUSTOMER; P: PERFORM, W: WITNESS, V: VERIFICATION; WPS: WELDING PROCEDURE SPECIFICATION; PQR: PROCEDURE QUALIFICATION RECORD; WPQ: WELDER PERFORMANCE QUALIFICATION, MTC- MILL /MANUFACTURER'S TEST CERTIFICATE; IR-INSPECTION REPORT



MANUFACTURER'S

NEME & PRESENS MIS BHEL (BAP) RANIPET - 632406 & BHEL APPROVED VENDORS

STANDARD QUALITY PLAN

PRODUCT: UNS N10276 CLADDED CARBON STEEL PLATES TO ASTM A265

DOC NO: SQP:FGS:755 DATE: 23.03.2021

PAGE: 3 OF 3

SUB-SYSTEM: FGD Package

SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	100 100 100 100 100 100 100 100 100 100	NTUM HECK (6)	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMA RECO		M	AGENCY C N	REMARKS
1	. 2	3	4	5	М	C/N	7	8	9	D*		** 10	11
4.3	Packing	Protection from damage, scratches, deformation during storage, transportation & handling	Major	Visual	100%	6	BHEL TDC & PO		IR	1	Р	V	

Note:

- 1. Chemical & Mechanical Testing shall be done at manufacturer in house facility / NABL approved lab in case of indigenous sources.
- 2. This QP shall be read along with relevant Purchase Order, BHEL Specification & Drawings and the requirements to be complied.
- 3. Inspection / Inspection waiver / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of P.O.
- 4. BHEL / BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the P.O.
- 5. Inspection stage / type of check / quantum of check may change in case of project / customer specific requirements (if applicable)

RECORD OF REVISIONS

Rev No	Date	Clauses revised		Description of Revision
00	23.03.2021	- -	Fresh Issue	

	23/03/204	R. A. 25/3/21
PREPARED BY	REVIEWED BY	APPROVED BY
ABDUL GHANI	RENJITH K	R. ARUNACHALAM
SR. ENGR /QA	MANAGER / QA	DGM / QC-OLI & QA (MECH)
	BHEL (BAP), RANIPET	- 632 406

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Declaration of Local Content by Local supplier

Subject: Public Procurement (Preference to Make In India)

References:

Preference to Make in India including counter offering will be as per the Public Procurement (Preference to Make in India), Order 2017 available in the following links https://dipp.gov.in/public-procurements

http://dipp.nic.in/sites/default/files/publicProcurement MakeinIndia 15June2017.pdf
http://dipp.nic.in/sites/default/files/Revised-PPP-MII-Order-2017 28052018.pdf
https://dipp.gov.in/sites/default/files/PPP-MII%20Order%20dt%2029th%20May%2019 0.pdf
https://dipp.gov.in/sites/default/files/PPP%20MII%20Order%20dated%204th%20June%202020.pdf

https://dipp.gov.in/sites/default/files/PPP%20MII%20Order%20dated%204th%20June%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
(or)
Non Local supplier (If not belonging to Class-I & Class-II)
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:

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT AND THE EXPIRY DATE OF BG MUST BE AFTER 3 MONTHS FROM THE DATE OF COMPLETION OF SUPPLIES)

CONTRACT EXECUTION BANK GUARANTEE

In accordance of M/s. Bharat Heavy Electricals Limited (A Government of India
undertaking, a company incorporated under the Companies Act 1956 having its Registered
Office at "BHEL House", SIRI Fort, New Delhi 110 049) through its Boiler Auxiliaries Plant
located at Ranipet - 632 406, (hereinafter called 'the Company') having entered into a
contract with M/s
hereinafter called 'the said contractor' which term includes 'suppliers'
for the purpose of this Bond and under the terms and conditions of the Contract
Nobetween BHEL, Ranipet and as per the
Contract, the Contractor / Supplier is to furnish a Contract Execution Bank Guarantee for
Rsin words
for
the due performance of the contract and for the fulfillment of all the terms and conditions of
the contract.

Sign and seal of issuing bank Please affix Non Judicial Stamp here, as per Stamp Act

Bank Guarantee No	.Date	Banker Name
Bank Guarantee Value Rs		
1. We		
(Bank's name, Br	anch, Place – a	ddress to be mentioned [herein after
		of
		(Contractor(s)] do hereby
undertake to pay the company a	n amount not	exceeding Rsin words
- nainat and land an		
against any loss or	_	
or suffered by the company by reason	-	
terms and conditions contained in the	said agreement.	
2. We		
2. ***		
bank with full address), do hereby un		
this guarantee without any demur, me		
amount claimed is due by way of lo	ss or damage o	caused to or would be caused to or
suffered by the Company by reason o	f breach by the	said Contractor(s) of any of the terms
and conditions contained in the said	d Agreement or	by the reason of the Contractor(s)
'failure to perform' the said agreeme	ent. Any such d	lemand made on the Bank shall be
conclusive as regards the amount d	ue and payable	by the Bank under this guarantee.
However, our liability under this guara	antee shall be re	estricted to an amount not exceeding
Rsin wo	ords	

Sign and seal of issuing bank

Bank Guarantee No	Date	Banker Name	
Bank Guarantee Value Rs			

- 3. We undertake to pay conditionally to the Company any money so demanded notwithstanding any dispute(s) raised by the Contractor in any suit, or proceedings pending before any Court or Tribunal or Arbitration or before any other authority relating thereto our liability under this present being absolute and unequivocal. The payment under this guarantee would not wait till the disputes have been decided by any Court or Tribunal or in the arbitration proceedings or by any other authority. The payment so made by us under this Bond shall be a valid discharge of liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

Bank Guarantee No	Date	Banker Name	
Bank Guarantee Value Rs			

- 7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
- 8. The guarantee herein contained shall not be determined or affected by the liquidation or winding up or insolvency of or change in the constitution of the Contractor, but shall in all respects and for all purpose be binding and operative until all payments of all moneys due or that may hereafter become due to the said company or settled irrespective of any liability or obligation of the Contractor under the said Contract.
- 9. It shall not be necessary for the company to proceed against the Contractor before proceeding against the guarantor-bank and the guarantee herein contained shall be enforceable against them notwithstanding any security, which the company may have obtained from the Contractor shall, at the time when proceedings are taken against the Guarantor hereunder be outstanding or unrealized.
- 10. Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts at Ranipet, Tamilnadu Jurisdiction.

11. The Bank declares that it has powers to issue this Guarantee under the Bank's
Memorandum and Articles of Association and the undersigned has full powers to do so on
its behalf under the power granted to him by the proper authorities of the Bank.
12. We(name of
Bank) lastly undertake not to revoke this guarantee during its currency except with the
previous consent of the company in writing.
In witness whereof we
(name of Bank) have hereunto setout Bank Seal the
day ofmonth 20
Sign and seal of issuing bank.

Annexure-1

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
<u>Preamble</u>
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)/ Cotractor (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 IEM's 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 IEM's 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 IEM's 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. IEM's will tender their advice on the complaints within 30 days.
- 8.8 The CM D, 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.
- 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.

RITESH Discelik_o-BIMARI FERVY ELECTRICALS LIMITED. O-BIDLER RIXILARIES FAUX. RAMPET, postal*Code-ed-32406, set*1AME MACU. Postal*Code-ed-32	
For & On behalf of the Principal	For & On behalf of the Bidder/ Contracto
(Office Seal)	(Office Seal)
Place	
Date	
Witness:	Witness:
(Name & Address)	(Name & Address)

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

Subject: Public Procurement (Insertion of Rule 144 xi in the General Financial Rules 2017)

References:

https://doe.gov.in/sites/default/files/OM%20dated%2023.07.2020.pdf

https://doe.gov.in/sites/default/files/Clarification%20to%20order%20public%20Procurement%20N 0%201%20dated%2023%20July%202020.pdf

https://doe.gov.in/sites/default/files/Exclusion%20from%20restrictions%20under%20Rule%20144% 20xi%20of%20the%20General%20Financial%20Rules%202017.pdf

Fron	n.
M/s	
Add	ress:
	e are bidder from (country). We does not belong to any of the below category tioned.
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.

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

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	_