



Bharat Heavy Electricals Limited
Power Sector Southern Region
690, Anna Salai, Nandhanam, Chennai 600 035

NOTICE INVITING TENDER
NOTE: BIDDER MAY DOWNLOAD FROM WEB SITES
OR
PURCHASE TENDERS FROM THIS OFFICE ALSO

To

Dear Sir/Madam

Sub : NOTICE INVITING TENDER

Sealed offers in two part bid system are invited

for the subject job by the undersigned on the behalf of
BHARAT HEAVY ELECTRICALS LIMITED as per the tender document. Following points relevant to the tender may please be noted and complied with.

1.0 Salient Features of NIT

SNO	ISSUE	DESCRIPTION
1.0	TENDER NO	BHEL/PS/PUR/UDANGUDI/STEEL/Q2 FY 2020-21
	TENDER DATE	20-Jul-2020
2.0	BROAD SCOPE OF JOB	PROCUREMENT OF CORTEN B ASTM GR A STEEL MATERIALS FOR 2X660MW UDANGUDI PROJECT THROUGH LIMITED TENDER.

SNO	DESCRIPTION	PROJECT	LOT NO.	QUANTITY	UOM	DELIVERY DATE
1)	Plate 20 mm ASTM A 588 Gr. A/Killed (20 X 2000 X 10000) mm as per TDC :RTA :404	TANGEDCO UDANGUDI SUPERCRITICAL THERMAL POWER PROJECT STAGE-I (2X660 MW)	1	55	METRIC TON	01-aug-20
2)	Angle 100x100x10mm ASTM A 588 Gr. A/Killed as per TDC :RTA :404	TANGEDCO UDANGUDI SUPERCRITICAL THERMAL POWER PROJECT STAGE-I (2X660 MW)	1	85	METRIC TON	01-aug-20

3.0	DETAILS OF TENDER DOCUMENT		
a	Volume-IA	Technical Conditions of Contract (TCC) consisting of Scope of work, Technical Specification, Drawings, Procedures, Bill of Quantities, Terms of payment, etc	Applicable
b	Volume-IB	Special Conditions of Contract (SCC)	Applicable
c	Volume-IC	General Conditions of Contract (GCC)	Applicable
d	Volume-ID	Forms and Procedures	Applicable
e	Volume-II	Price Schedule (Absolute value).	Applicable

NIT Ref no: BHEL/PS/PUR/UDANGUDI/STEEL/Q2 FY 2020-21/10

4.0	ISSUE OF TENDER DOCUMENTS	1. Sale from BHEL PSSR office at : Start Date: 20-Jul-2020, Time:1530hrs Close Date: 30-Jul-2020,Time:1400hrs 2. From BHEL website (www.bhel.com) Tender documents will be available for downloading from website till due date of submission	Applicable
5.0	DUE DATE & TIME OF OFFER SUBMISSION	Date: 30/07/2020 Time: 1500 hrs Place: Chennai (Bidders are requested to visit websites to view corrigendum/ addenda/ amendments/ extension/ modification to PQ etc in the form of TCN before submitting offer).	Applicable
6.0	OPENING OF TENDER	Date: 30/07/2020 Time: 1530 hrs (Within 2 hours of the latest due date and time of offer submission). Notes: (1) In case the due date of opening of tender becomes a non-working day, then the due date & time of offer submission and opening of tenders get extended to the next working day. (2) Bidder may depute representative to witness the opening of tender	Applicable
7.0	EMD AMOUNT		Not Applicable
8.0	SECURITY DEPOSIT		Not Applicable
9.0	COST OF TENDER		Not Applicable
10.0	LAST DATE FOR SEEKING CLARIFICATION	Date: 30/07/2020 Along with soft version also, addressing to undersigned & to others as per contact address given below	Applicable
11.0	SCHEDULE OF PRE BID DISCUSSION (PBD)	(In case BHEL decides to conduct PBD, date, time & venue of PBD will be intimated suitably thru TCN)	Not Applicable
12.0	INTEGRITY PACT & DETAILS OF INDEPENDENT EXTERNAL MONITOR (IEM)		Not Applicable
13.0	LATEST UPDATES	Latest updates on the important dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Errata, Modifications, Revisions, etc to Tender Specifications will be hosted in BHEL webpage (www.bhel.com -->Tender Notifications ?View Corrigendums) and not in the newspapers. Bidders to keep themselves updated with all such information	
14.0	REMARKS	Corten B ASTM Gr A steel procurement for 2x660 MW Udangudi TPP	

27.0 It may please be noted that guidelines/rules in respect of Suspension of Business Dealings', 'Vendor evaluation format', 'Quality, Safety & HSE guidelines', etc may undergo change from time to time and the latest one shall be followed."

Thanking You.

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KUMAR NAIK

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Yours faithfully
For Bharat Heavy Electricals Limited
(PURCHASE)

Agency	Contact Details
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BHEL/PSSR/Chennai	Address	690, Anna Salai, Nandhanam, Chennai 600 035
	Phone No	044-28286872
	Fax No	044-28286874
	Email	enaveen@bhel.in

ENCLOSURES:	
01	NO DEVIATION CERTIFICATE
02	TECHNO-COMMERCIAL FORMAT
03	UN PRICED RATE SCHEDULE
04	GST DECLARATION FORMAT
05	TECHNICAL DELIVERY CONDITION

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BHEL PSSR CHENNAI
GST DECLARATION FORMAT

NIT Ref no: BHEL/PS/PUR/UDANGUDI/STEEL/Q2 FY 2020-21/10

Dt : 20.07.2020

VENDOR NAME

VENDOR ADDRESS

We declare that we will upload the Invoices in the GST portal and all tax liability as per GST rules & regulation will be discharged for the Invoices

SNo	PO No	PO Date	Supplier GST	BHEL Project Site GST	Invoice No	Invoice Date	Taxable Value (Rs.)	SGST (Rs.)	CGST (Rs.)	IGST (Rs.)	Invoice Value (Rs.)
GRAND TOTAL							0	0	0	0	0

1 We undertake to Remit GST at the rates as applicable

2 We undertake to indemnify BHEL for any Reversal/Denial/Delay of Input tax credit attributable to M/s.....(NAME OF THE VENDOR)
and the same may be recovered.

VENDOR SIGNATURE

SEAL

VENDOR LETTER HEAD

NO DEVIATION CERTIFICATE

I.....OF

M/s.HEREBY

CERTIFY THAT THERE IS NO DEVIATION FROM THE TENDER CONDITIONS EITHER TECHNICAL or
COMMERCIAL AND I AM AGREEING TO ALL THE TERMS AND CONDITIONS MENTIONED IN THE
TENDER SPECIFICATION.

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SIGNATURE OF THE TENDERER

OFFICE SEAL

 Ranipet	Technical Delivery Condition (TDC) for Cold rolled corrosion resistant coils / sheets/ Plates	Doc Ref:	TDC:RTA:404
		Rev.No.	07
		Date:	26 11 11
		Page No	1 of 4

1. SCOPE

- 1.1. This TDC specifies the requirements of ~~cold rolled coils, sheets of CORTEN A/ASTM A 242 and equivalent material specification & Plates of CORTEN B/ASTM A 588 GR A and equivalent material specification used in APH.~~ Steel shall be in fully killed condition.

2. Chemical & Mechanical properties:

2.1. Chemical (melt wise)

Specn	C	Mn	Si	P	S	Cu	Cr	Ni	V
CORTEN A/ ASTM A 242 & EQUIVALENT	0.12 Max	0.20- 0.50	0.25- 0.75	0.07- 0.15	0.05 Max	0.25- 0.55	0.35- 1.25	0.65 Max	--
CORTENB/ ASTM A 588 GR A & EQUIVALENT	0.19 Max	0.80- 1.25	0.30- 0.65	0.04 Max	0.05 Max	0.25- 0.40	0.40- 0.65	0.40 Max	0.02- 0.10

2.2. Mechanical Properties

Specification	Yield point (Mpa) (Min)	T S (MPA) (Min)	% of Elonga (Min) 5.65 √ So
CORTEN A/ ASTM A 242 & EQUIVALENT	310	445	20
CORTEN B/ ASTM A 588 GR A & EQUIVALENT	≤ 16 thick 355 >16 thick 345 }	490 - 630 }	20

- 2.3. ~~Bend test shall be conducted for coils as per JIS 3125 SPA - C.~~

3. Supply condition (Coils)

- 3.1. ~~The coils shall be free from slit edges, scales and rust etc.~~
3.2. ~~The tolerance thickness and width shall be as follows:
On width : Plus 0.00 to Minus 1.5 mm
On thickness : Plus 0.07mm to minus 0.00 mm~~
3.3. ~~The camber, out of flatness, bend shall be permitted only to the extent specified in the applicable standard.~~

Prepared by <i>J. Chithambaram</i>	Reviewed by	Signature	Approved by <i>[Signature]</i> (Head / QA)
	Engg (APH)	<i>[Signature]</i>	
	Purchase	<i>[Signature]</i>	
	MPL	<i>[Signature]</i>	
	QC (Proc)	<i>[Signature]</i>	
	QA	<i>[Signature]</i>	
Issued by Quality Assurance			

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 Ranipet	Technical Delivery Condition (TDC) for Cold rolled corrosion resistant coils / sheets / Plates	Doc Ref:	TDC:RTA:404
		Rev.No.	07
		Date:	26 11 11
		Page No	2 of 4

- ~~3.4. The ID of the coil shall be 500 mm $\pm$ 20mm, OD of the coil shall be 1500 mm(max). **Coil weight:** 2 to 5 MT for coil width of $\leq$ 503 mm and 5 to 10 MT for coil width > 503 mm.~~
- ~~3.5. Surface condition shall be cold rolled with matt finish with an oil coat to protect from rusting.~~

4. Supply conditions (Plates and sheets)

- 4.1. Tolerance for the plates is as per ASTM A6.
- ~~4.2. Tolerance for sheets on thickness is Plus 0.15 minus 0.00~~
- 4.3. The plates / ~~sheets~~ shall be free from scales and rust.
- 4.4. Plates thickness 12 mm and above shall be ultrasonically tested and accepted as per ASTM A 435.

5. Packing and preservation (for coils)

- ~~5.1. Before packing, the coils shall be given a sufficient coat of rust preventive fluid on the outer part to prevent rusting.~~
- ~~5.2. Three binding strips through eye of the coil at equal spacing shall tightly be secured.~~
- ~~5.3. Polythene sheet (thickness more than 20 microns) shall be wrapped over the coil.~~
- ~~5.4. Subsequently coil shall be wrapped with Hessian cloth.~~
- ~~5.5. ID rings shall be provided at both the sides of the coil to protect the coil edges.~~
- ~~5.6. Entire circumference of the coil shall be covered with GI sheet / painted sheet. Subsequently, both the faces shall be protected with metal sheets i.e. full coil is to be covered.~~
- ~~5.7. Three cross strapping shall be tightly secured through the ID of the coil at equal spacing.~~
- ~~5.8. Two more strapping along the periphery shall be provided ensuring tight strapping. The outer label containing details as in 7.1 shall be pasted on the packed OD of the coil.~~
- ~~5.9. A metal label containing the detail as in 7.1 shall be secured at one of the outer cross strapping.~~

6. Packing and Preservation (for sheets / plates)

- ~~6.1. The sheets shall be coated with a coat of rust Preventive Fluid on both sides and polythene sheets (thickness more than 20 Microns) shall be wrapped over the sheet bundle, subsequently sheets shall be wrapped with Hessian cloth and suitable metal belt.~~
- 6.2. The plates shall be suitably bundled for withstanding the handlings during loading & unloading.

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	Technical Delivery Condition (TDC) for Cold rolled corrosion resistant coils / sheets/ Plates	Doc Ref:	TDC:RTA:404
		Rev.No.	07
		Date:	26 11 11
		Page No	3 of 4

7. Identification

~~7.1. For coils the following details shall be stenciled with paint / pasted with sticker on the ID of the coil and for sheets on the bundle.~~

- | | |
|--|---------------------------|
| a. Vendor's Name | b. P.O. No. |
| c. Coil No. / Sheet No. / Plate No. | d. Specification & Grade. |
| e. Net Weight | |

For Plates, the details a,c,d, in clause 7.1. are to be hard stamped and bordered with paint and b & e are to be painted.

~~7.2. For coils two more labels containing all the details as in 7.1. shall be pasted, one on the eye and another on the outer surface of the packed coil.~~

8. Test certificate

8.1. The TC shall be in English and containing the following details.

- PO No.
- Specification and grade
- Coil no.
- Nominal thickness and width
- Chemical composition – melt wise.
- Mechanical properties – melt wise / HT batch wise
- Gross and net weight

8.2. BHEL reserves the right to carry out test and reject the items wherever non conformance to the contract is noticed.

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 Ranipet	Technical Delivery Condition (TDC) for Cold rolled corrosion resistant coils / sheets/ Plates	Doc Ref:	TDC:RTA:404
		Rev.No.	07
		Date:	26 11 11
		Page No	4 of 4

Rev No	Date	Changes made
00	20 05 96	TDC RTA 004 / 00 is revised and re-numbered as RTA 404 Rev.00
01	18 07 96	i. Cl.2.3 table and sketch modified ii. Cl. 6.2, Cl.7.9, Cl.9.1 modified iii. Cl.9.5 deleted.
02	27 11 96	i. Cl. 8.0 deleted ii. Cl. 9.0 re-numbered as 8.0
03	28 03 98	i. Cl. 2.2 min yield strength changed to 310 MPa in line with corten coil specification.
04	22 06 98	Scope of sheets taken out of the purview of the TDC. Please see TDC:RTA:425/001 dt 22 06 98 for corten sheets.
05	10 05 02	TDC totally reviewed and revised. Requirements of TDC RTA 405 (corrosion resistant plate) TDC RTA 425 (Corrosion resistance sheets) are merged to form this TDC:RTA:405,425 deleted.
06	07 02 03	Class 2.1 chemistry details revised. And cl.3.2 modified Clause 2.2 gauge length specified for % of elongation. Cl. 3.4 revised based on supplied feedback. Cl.7.1 modified for better clarity.
07	26 11 11	Cl. 1.1, 2.1 and 2.2 : ASTM A 242 and ASTM A 588 GR A included.

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TECHNO COMMERCIAL

SL.NO	Description	Mandatory Vendor Confirmation
1	SUPPLY OF STEEL ITEMS AS PER PRICE SCHEDULE	
2	The Rates Quoted should be firm till the completion of the Order. No revision in rate shall be entertained after opening of the tenders.	
3	NO DEVIATION CERTIFICATE (to be attached with Letter Head)	
4	Whether falling under MSME category (Valid Certificate to be Attached)	
5	Scanned Copy of Entire Tender Documents Signed & Stamped in each page by authorized representative of the bidder except price bid (same to be attached).	
6	Comply to BHEL Payment Terms as per Tender	
7	QAP QUALITY PLAN DOCUMENTS (the same to attached in attachment section)	
8	Packing & Forwarding in % (For each sites)	
9	Freight Charges in %	
10	Transit Insurance Charges in %	
Other Charges (Which Attracts GST If any) in %		
11	(a).	
11	(b).	
12	Sub Total (a+b)	
13	GST on Base Price +P&F +Freight +Transit Insurance + Supervision, Testing &Commissioning + other Charges. (ie,.CGST+SGST+IGST+UTGST)	
14	CESS ON GST (IF APPLICABLE)	
15	GST CREDIT PASSED ON TO BHEL	
16	GST Registration No & details (same to be attached)	

17	Person & Contact Details for getting correct information from vendor side	NAME: MOBILE NO.1: MOBILE NO.2: E-MAIL:
18	Submission of Previous PO copies	
19	Performance Certificates obtained from the Previous customers	
20	Manufacturers Test Certificate	
21	Detailed specification & Product Catalogue,	

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Authorized Signature & Office Seal

UN PRICED RATE SCHEDULE

SI.No	DESCRIPTION OF ITEM	Qty in MT (A)	RATE/ Unit (B)	Amount (Rs) C=(A*B)	GST (Rs) (D)	FOR DESTINATION PRICE E= (C+D)	NET OF GST PRICE F= (E-D)
01	Plate 20 mm ASTM A 588 Gr. A/Killed (20 X 2000 X 10000) mm as per TDC :RTA :404	55	QUOTED	QUOTED	QUOTED	QUOTED	QUOTED
02	Angle 100x100x10mm ASTM A 588 Gr. A/Killed as per TDC :RTA :404	85	QUOTED	QUOTED	QUOTED	QUOTED	QUOTED

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