BHEL :: BAP :: RANIPET

PURCHASE DEPARTMENT

ANNEXURE-A

SCOPE: SUPPLY OF COLD ROLLED COILS IN SIZES/SPEC/QTY AS DETAILED BELOW:

Enq	SIZ	ES	MATERIAL	APPLICABLE	INDIVIDUAL COIL				
SNO	THICKNESS (mm)	WIDTH (mm)	SPECIFICATION	BHEL TDC	WT(MT)	UNIT	QUANTITY (MT)	Delivery Period	
1	0.80	300					120.0	Within 60 Days	
2	0.80	400			02-05		40.0	from PO	
3	0.63	495					30.0	11011170	
4	0.80	800					410.0	Lot1-205.0MT Within 60 Days from PO & Lot2- 205.0MT Within 90 Days from PO.	
5	0.80	850	IS 513 Gr. CR3 or IT'S EQUIVALENT	TDC RTA 408 REV03 and Amdt A1	05-09	MT	500.0	Lot1-250.0MT Within 60 Days from PO & Lot2- 250.0MT Within 90 Days from PO.	
6	0.63	850				IVII	420.0	Lot1-210.0MT Within 60 Days from PO & Lot2- 210.0MT Within 90 Days from PO.	
7	1.214	300			02-05		210.0	Within 60 Days	
8	1.214	900					80.0	Within 60 Days from PO	
9	0.63	950					30.0	ITOIN PO	
10	1.214	1000	CORTEN A/ASTM A 606 TYPE 4			05-09		750.0	Lot1-375.0MT Within 60 Days from PO & Lot2- 375.0MT Within 90 Days from PO.
			•	•		Total	2590.0		

Note:

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

Coils to be supplied in Slit/Trimmed edge condition only.

Financial PQR to be complied:

1)Turnover to be minimum 30% of the tender estimates (Audited last three years summary duly certified by CA).

Positive - New Worth (Audited last three years summary duly certified by CA)

1) BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender.

- 2) Prices are to be quoted on Per MT basis only.
- 3) All necessary document required to meet the Pre Qualification Criteria to be submitted along with technical bid without fail.
- 4) Quantity Tolerance: Applicable +/-2% on Enq Slno 05 & 10 and +/-5% on all other items. Supplies beyond this tolerance will be rejected and returned back to the supplier.
- 5) In case of offer with equivalent material grade, then copy of the entire specification of that equivalent grade shall be submitted along with the techno-commercial bid without fail.
- 6) Offer for partial quantity against an individual item is not acceptable and such offers will not be considered for further process for that item.
- 7) Annexure A is to be duly signed, scanned and uploaded during submission of offer. Pointwise specific confirmation to BHEL TDC & SDDR to be given in the Techno-Commercial Bid without fail; otherwise offer may not be considered.
- 8) Bids will be opened on the tender due date and in case of any request for due date extension, the same may not be considered. Hence please ensure submission of bid on or before the due date specified in the tender.
- 9) In case Integrity Pact is applicable, then two original signed copies (duly filled in, signed & stamped) of Integrity Pact to be sent directly to The Sr. Deputy General Manager, Purchase Department (Steel), BHEL, BAP, Ranipet 632406 by superscribing the tender & NIT No on the envelope without fail and ensure that the same is reaching us on before the tender due date.
- 10) For indigenous suppliers, first inspection will be carried out by BHEL only and subsequent inspections will be by BHEL/BHEL approved Third Party Inspection Agencies (Inspection charges shall be borne by BHEL).

Incase of any clarification, kindly email to ssm@bhel.in / gowthaman@bhel.in / neelkantghode@bhel.in & contact @ 04172 284339 / 284694 / between 0900 hrs to 1730 hrs.

All corrigenda, addenda, amendments, time extensions, clarifications etc., to the tender will be hosted on BHEL website (www.bhel.com) and EPS(https://eprocurebhel.co.in/nicgep/app). Bidders should regularly visit mentioned website to keep themselves updated.

Registration process for items required by BHEL is always open at https://supplier.bhel.in. Prospective suppliers (including MSEs & Owned by SCs/STs) may visit this site and apply for registration in the respective unit.

Senior Deputy General Manager/Purchase

2)

Annexure C- OT Enquiry 3410310E

C:	Annexure C-O1 Enquiry 3410310E							
SL.	CLAUSE	CLAUSE DETAIL / BHEL'S REQUIREMENT	SUPPLIER'S CONFIRM ATION	Deviations, if any				
1	PRICE	Firm till completion of order.						
2	DELIVERY TERM S	For Indigenous suppliers: F.O.R. DESTINATION (Destination: BHEL						
		Stores, Ranipet)For Foreign suppliers: CFR Chennai Sea Port Basis						
		only and insurance in BHEL's scope.						
3	PACKING CHARGE	To be included in Basic.						
4	FORWARIDING CHARGE	To be included in Basic.						
5	FREIGHT CHARGES	Please mention in terms of 'PER UNIT' or include it with Basic.						
6	INSURANCE	Please mention in terms of 'PER UNIT' or include it with Basic.						
7	OTHER CHARGES	Please mention, if any.						
8	GST %	To be indicated by supplier.						
9	HSN CODE	To be indicated by supplier.						
10	GSTN NO. OF ORG.	To be indicated by supplier. To be indicated by supplier.						
11	BHEL'S PAYM ENT TERMS	(i) Indigenous Vendors:100% Direct payment through EFT within						
''	DILLOFA IN ENT TENNS							
		120 days from receipt and acceptance of materials at our stores.						
	ı	For MSE vendors within 45 days from SRV.(ii)Foreign Vendors:						
		100% Direct payment through EFT within 120 days from receipt						
	ı	and acceptance of materials at our stores.Incase LC is insisted, it						
		shall be 100% Irrevocable Unconfirmed Letter of Credit with 120						
	ı	days usance period with all charges within India to BHEL account						
	ı	and outside India to Supplier's account.						
12	DELIVERY PERIOD	As per Annexure A						
13	L.D. CLAUSE	The applicable LD shall be at the rate of 0.5% per week to						
	ı	maximum of 10% for the undelivered portion and for the deliveries						
		made beyond the agreed Delivery Period. Delivery being the						
	ı	essence of BHEL's contract requirements, in the event that a						
	ı	Supplier does not accept the above LD condition, the offer would						
	ı	be loaded to the extent of the shortfall with respect to upper limit						
		specified above. Date of material receipt at our stores (Day Book						
	ı	date) will be considered as the "Delivery date as mentioned in						
	ı	purchase order for indigenous vendors and OBL date shall be						
		reckoned delivery date for import vendors.						
14	OFFER VALIDITY	Minimum 90 days from the date of Technical Bid opening and 30						
		Days from Reverse Auction						
15	INSPECTION BEFORE DISPATCH	Inspection before dispatch at supplier's works						
16	TEST CERTIFICATE	To be submitted. With Chemical and Mechanical properties and						
		dimensions as per Standards and our Technical Delivery Conditions						
17	RISK PURCHASE CLAUSE	Your confirmation to our standard risk purchase clause that						
		alternatively the Purchaser at his option will be entitled to						
		terminate the contract and to purchase elsewhere at the risk and						
		cost of the seller either the whole of the goods or any part which						
		the supplier has failed to deliver or dispatch within the time						
		stipulated as aforesaid or if the same were not available, the best						
		and the nearest available substitute therefor. The supplier shall be						
		liable for any loss which the purchaser may sustain by reason of						
		such risk purchases.						
		Sasti itali parandoo.		l				

Annexure C- OT Enquiry 3410310E

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SL.	CLAUSE	CLAUSE DETAIL / BHEL'S REQUIREM ENT	SUPPLIER'S CONFIRM ATION	Deviations, if any
18	BHEL STANDARD GUARANTEE CLAUSE	Your confirmation to our standard Guarantee clause that the		
		materials are to be guaranteed for satisfactory performance for a		
		period of twelve months from the date of commissioning / putting		
		into use (or) eighteen months from the dispatch whichever is		
		earlier and if any defect is noticed during the above period, the		
		same shall be rectified/replaced free of cost on Ranipet/		
		Destination basis within a reasonable time. To this effect a		
		Guarantee certificate should be sent along with the dispatch		
		documents in the event an order.		
19	M SM E / NON M SM E STATUS	Please mention whether your company falls under the category "		
		MSME or non MSME. If MSME - Micro, small or medium		
		enterprise, copy of certificate attested by certified chartered		
		accountant shall be submitted along with the offer. [IM PORTANT		
		NOTE: - M SE suppliers can avail intended benefits only if they		
		submit along with the offer, attested copies of either EM II		
		certificate having deemed validity (Five years from the date of issue		
		of acknowledgement of EM II) or valid NSIC certificate or EM II		
		certificate along with attested copy of a chartered accountant		
		certificate applicable for the relavant financial year (latest audited).		
		Date to be reckoned for determining the deemed documents will		
		lead to consideration of their bid at par with other bidders. No		
		benefits shall be applicable for this enquiry if any deficiency in the		
		above required documents are not submitted before price bid		
		opening. Documents should be nottarised of attested by a gazatted		
		officer.]		
20	PLACE OF M ANUFACTURING	Please mention your complete address of the place of		
20	FLACE OF MANOFACTORING			
		manufacturing.		
21	ACCEPTANCE FOR REVERSE AUCTION (BHEL shall be resorting to Reverse	Price bid opening through Reverse Auction only		
	Auction (RA) (Guidelines as available on www.bhel.com) for this tender)			
22	CONTRACT EXECUTION BANK GUARANTEE (CEBG): THE SUPPLIER SHALL	To be confirmed by supplier		
	SUBM IT A BG FOR 2% OF THE CONTRACT VALUE VALID FOR THE AGREED			
	DELIVERY PERIOD + 3 M ONTHS. ATTACHED CEBG FORM AT IS TO BE			
	SIGNED AND SUBMITTED AS A TOKEN OF ACCEPTANCE. PLEASE NOTE NO			
	DEVIATION IS ALLOWED.			
23	SUPPLIER REGISTRATION FORM - ONLINE SUBMISSION IS TO TO BE DONE	To be submitted by supplier		
	AND SOFT COPY OF THE SAME TO BE UPLOADED ALONG WITH TECHNICAL			
	BID BY NEW VENDORS.			
24	FOREIGN OFFERS: COUNTRY OF ORIGIN, MILLS LETTER OF AUTHORITY &	Only Indigenous Sources will be eligible to bid.		
] -	AGENCY AGREEM ENT	,g		
				<u> </u>

Annexure C- OT Enquiry 3410310E

SL.	CLAUSE	CLAUSE DETAIL / BHEL'S REQUIREMENT	SUPPLIER'S CONFIRM ATION	Deviations, if any
25	WHENEVER THERE IS AN INDIAN AGENT TO REPRESENT A SUPPLIER, IT IS	To be confirmed by supplier		
	M ANDATORY TO GIVE THE DETAILS OF SERVICES TO BE RENDERED BY			
	INDIAN AGENT AND / OR THE DETAILS OF AGREEM ENT BETWEEN			
	SUPPLIER AND AGENT. SUPPLIER TO INDICATE THE AGENCY COMMISSION			
	PAYABLE. INDIAN AGENCY COMMISSION WILL BE PAID ONLY IN INDIAN			
	RUPEES, CALCULATED AT THE RATE OF EXCHANGE PREVAILING ON THE			
	DATE OF PRICE BID OPENING. THIS IS PAYABLE ON SATISFACTORY			
	COMPLETION OF THE CONTRACT. AGENCY AGREEMENT COPY SHALL BE			
	SUBMITTED WITHOUT FAIL.NOTE: IN ORDER TO MAINTAIN SANCTITY OF			
	THE TENDER SYSTEM, IT IS MANDATORY THAT ONE AGENT CANNOT			
	REPRESENT TWO SUPPLIERS OR QUOTE ON THEIR BEHALF IN A			
	PARTICULAR TENDER ENQUIRY. IF ANY AGENT REPRESENTS MORE THAN			
	ONE SUPPLIERS ALL SUCH OFFERS WILL BE REJECTED.			
26	TECHNICAL DELIVERY CONDITION (TDC)	As per TDC Attached. Clause wise / Point wise confirmation to be		
		Submitted.		
27	CONTACT PERSON NAME, CONTACT NO. & E-MAIL ID.	Please mention		
28	ALTERNATE CONTACT PERSON NAME, CONTACT NO. & E-MAIL ID.	Please mention		
29	QUANTITY TOLERANCE:	As per Annexure A		
30	INVOICING	Actual Net Weight basis only		
31	ANY OTHER DEVIATIONS	Please mention		
32	CURRENCY QUOTED	Please mention		
33	BIS registration certificate as per Ministry of Steel Order, DT:16.02.2018.	To be confirmed by supplier		
	1	1	1	



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TECHNICAL DELIVERY CONDITIONS FOR CORROSION RESISTANT COILS / SHEETS / PLATES

PREPARED BY

DEPARTMENT	NAME & DESIGNATION S/Shri	SIGNATURE		
QA	Renjith K Manager, QA	25/04/2021		

REVIEWED BY

DEPARTMENT	NAME & DESIGNATION S/Shri	SIGNATURE		
ENGG (APH)	K. Thanikachalam SDGM/ APH	1/2/27/4/2021		
MATERIAL PLANNING	P. Annamalai SM/ MPLG	P. A t. 27/4/21		
QC (Proc)	R. Kesavan DGM / QC- Proc	Jan 27/4/2021		
QA	R. Aruchachalam DGM/ QA & QC-OLI	R. 1 27/4/2021		

APPROVED AND ISSUED BY

DEPARTMENT	NAME & DESIGNATION S/Shri	SIGNATURE
QC-Shop, QA & BE	K. Saketharaman AGM/ QC-Shop, QA & BE	27/4/2021



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1.0 SCOPE

1.1 This TDC specifies the requirements of corrosion resistant coils, sheets of CORTEN A / ASTM A 606 Type 4 and equivalent material specification & plates of CORTEN A / ASTM A242 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.

2.0 CHEMICAL & MECHANICAL PROPERTIES

2.1 Chemical (melt wise)

Specification	C	Mn	Si	P	S	Cu	Cr	Ni	V
CORTEN A /	0.12	0.20-	0.25-	0.07-	0.05	0.25-	0.50-	0.65	
ASTM A242 &	Max	0.50	0.75	0.15	Max	0.55	1.25	Max	
EQUIVALENT									
CORTEN B /	0.19	0.80-	0.30-	0.04	0.05	0.25-	0.40-	0.40	0.02-
ASTM A588 GR A	Max	1.25	0.65	Max	Max	0.40	0.65	Max	0.10
& EQUIVALENT		9.7522 13		O anio			2602 103		
ASTM A606	0.12	0.20-	0.25-	0.07-	0.04	0.25-	0.50-	0.65	
TYPE 4	Max	0.50	0.75	0.15	Max	0.55	1.25	Max	11 346

2.2 Mechanical Properties

Specification	Yield point (MPa) (Min)	Tensile Strength (MPa) (Min)	% of Elongation (Min) 5.65 √So
CORTEN A / ASTM A242 & EQUIVALENT	345	485	22
CORTEN B / ASTM A588 GR A & EQUIVALENT	≤ 16 thick 355 > 16 thick 345	490-630	20
ASTM A606 TYPE 4	345	485	22

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

Issued	BV C	uality	V Assul	rance
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3.0 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 0.07 mm 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.
- 3.4 The ID of the coil shall be 500 mm \pm 20 mm, 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 or Ra value in the range of 0.4 to 1.0 micron with an oil coat to protect from rusting.

4.0 SUPPLY CONDITION (PLATE AND SHEETS)

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

5.0 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 once of the outer cross strapping.



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6.0 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.

7.0 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. Vendors Name
 - b. Purchase Order Number
 - c. Coil Number / Sheet Number / Plate Number
 - 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.

8.0 TEST CERTIFICATE

- 8.1 The TC shall be in English and containing the following details
 - i. Purchase Order Number
 - ii. Specification and Grade
 - iii. Coil Number
 - iv. Nominal thickness and width
 - v. Chemical composition melt wise.
 - vi. Mechanical properties melt wise / HT batch wise
 - vii. Gross and net weight



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RECORD OF REVISIONS

Rev No	Date	Revision details
00	20.05.1996	TDC RTA 004/00 is revised and re-numbered as RTA 404 Rev. 00
01	18.07.1996	 Clause 2.3 table and sketch modified Clause 6.2, Clause 7.9, Clause 9.1 modified Clause 9.5 deleted.
02	27.11.1996	1. Clause 8.0 deleted 2. Clause 9.0 re-numbered as 8.0
03	28.09.1998	1. Clause 2.2 minimum yield strength changed to 310 MPa in line with Corten coil specification.
04	22.06.1998	Scope of sheets taken out of the purview of the TDC. Please see TDC:RTA:425/001 dated 22.06.98 for corten sheets.
05	10.05.2002	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	07.02.2003	Clause 2.1 Chemistry details revised and Clause 3.2 modified. Clause 2.2 gauge length specified for % of elongation. Clause 3.4 revised based on supplier feedback. Clause 7.1 modified for better clarity.
07	26.11.2011	Clause 1.1, 2.1 and 2.2: ASTM A242 and ASTM A588 Gr. A included.
08	09.01.2020	ASTM A606 added based on engineering feedback (Email dated 16.12.2019 and supplier confirmation through purchase email dated 08.01.2020)
09	07.10.2020	Clause No. 2.1 (minimum Chromium Value 0.35 change for Corten A and ASTM A606 Type 4), Clause 3.5 (Ra values added) revised based on Engineering feedback.
10	27.04.2021	Mechanical properties of Corten-A / ASTM A242 & Equivalent changed based on MOM dated 24.04.2021 (Meeting with Engineering, M&S, Purchase, Material Planning, Marketing, QA and QC-Procurement)



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TECHNICAL DELIVERY CONDITIONS FOR COLD ROLLED CARBON SHEET COILS

PREPARED BY

DEPARTMENT	NAME & DESIGNATION S/Shri	SIGNATURE
QA	Renjith K Manager, QA	27/04/2021

REVIEWED BY

DEPARTMENT	NAME & DESIGNATION S/Shri	SIGNATURE
ENGG (APH)	K. Thanikachalam SDGM/ APH	27/04/2021
MATERIAL PLANNING	P. Annamalai SM/ MPLG	P. A + 27/4/2021
QC (Proc)	R. Kesavan DGM / QC- Proc	May 14/2021
QA	R. Aruchachalam DGM/ QA & QC-OLI	R. W

APPROVED AND ISSUED BY

DEPARTMENT	NAME & DESIGNATION S/Shri	SIGNATURE
QC-Shop, QA & BE	K. Saketharaman AGM/ QC-Shop, QA & BE	22/4/2021



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1.0 SCOPE

1.1 This TDC specifies the requirements for cold rolled sheets of deep drawing quality to specification IS 513 GR-CR3 / JIS G 3141 SPCD-SD.

2.0 CHEMICAL & MECHANICAL PROPERTIES

2.1 IS 513

- 1. Chemistry
- 2. Hardness —shall be as per specification
- 3. Bend Test
- 4. Erich son cupping value shall be as per Figure 1 of IS 513.

JIS G3141

- 1. Chemistry shall be as per Table 1 under informative reference of JIS G 3141
- 2. Hardness shall be 57 HRB MAX
- 3. Bendability shall be as per table 6 of JIS G 3141
- 4. Erich son cupping test shall be conducted and the value shall be as per Figure 1 of IS 513.

3.0 SUPPLY CONDITION

- 3.1 The coils shall be free from slit edges, visual 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 0.07 mm to plus 0.00 mm

- 3.3 The camber, out of flatness, bend shall be permitted only to the extent specified in the applicable standard.
- 3.4 The ID of the coil shall be 500 mm \pm 20 mm, OD of the coil shall be 1500 mm (max) and coil weight 5 to 10 MT.

3.5 Surface condition

3.5.1 Cold rolled with matt finish with an oil coat to protect rusting and when ordered as per the Japanese standard, it shall be SPCD-SD that is, skin rolled-dull finished by roll whose surface is made rough mechanically or chemically.

4.0 PACKING

4.1 Before packing, the coils shall be given a sufficient coat of rust preventive fluid on the outer part to prevent rusting.



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- 4.2 Three binding strips through eye of the coil at equal spacing shall tightly be secured.
- 4.3 Polythene sheet (thickness more than 20 microns) shall be wrapped over the coil. Subsequently coil shall be wrapped with Hessian cloth.
- 4.4 ID rings shall be provided at both the sides of the coil to protect the coil edges.
- 4.5 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.
- 4.6 Three cross strapping shall be tightly secured through the ID of the coil at equal spacing.
- 4.7 Two more strapping along the periphery shall be provided ensuring tight strapping. The outer label containing details as in 5.1 shall be pasted on the packed OD of the coil.
- 4.8 A metal label containing the detail as in 5.1 shall be secured at once of the outer cross strapping.

5.0 IDENTIFICATION

- 5.1 The following details shall be ensured in outer label pasted on the ID of the coil.
 - a. Vendors Name
 - b. Purchase Order Number
 - c. Coil Number
 - d. Specification & Grade
 - e. Net Weight
- 5.2 Two more labels containing all the details as in 5.1, shall be pasted, one on the eye and another on the outer surface of the packed coil.

6.0 TEST CERTIFICATE

- 6.1 The TC shall be in English and containing the following details
 - i. Purchase Order Number
 - ii. Specification and Grade
 - iii. Coil Number
 - iv. Nominal thickness and width
 - v. Chemical composition melt wise.
 - vi. Bend test result
 - vii. Max. camber
 - viii. Gross and net weight
 - ix. Hardness and Erichson cupping values
- 6.2 BHEL reserves the right to carry out tests and reject the item wherever non-conforming to the requirement of Purchase Order and Technical Delivery Condition.

Issued By Quality Assurance



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RECORD OF REVISIONS

Rev No	Date	Revision details
00 26.02.1996	TDC RTA 008 REV 04 revised and renumbered as TDC RTA 408/REV/00.	
01	29.11.2002	Clause 4.0 and Clause 4.1 revised to change tolerance on thickness plus 0.00 to plus 0.015 mm.
02	10.05.2002	TDC totally reviewed and revised.
03	IS 513 GR.DD terminology based on obsolete standard is revised a 513 GR-CR3 based on latest revision. MOM dated 24.04.2 (Meeting with Engineering, M&S, Purchase, Material Plant Marketing, QA and QC- Procurement) recommends the above.	

QUALITY ASSURANCE

QWI NO: TDC:RTA:408 Rev.02 Dtd.10.05.2002

Amendment to Quality Work Instruction (QWI)

Amendment No: A1

Date: 09.05.2017

Title: TDC FOR Cold rolled carbon sheets coils.8

	Details of Amendment	
Clause No	Amended As	Basis for Amendment
Refer Clause no 3.4	OD of the Coil shall be 1300mm max and Coil wt. 5 to 9 MT max.	Shop feedback. Reference Email Dated:06.05.2017

Prepared By (QA)	Reviewed & Approved By
ston Ilm	PIA
1.20.13	7 918/17

TECHNICAL CONFIRMATION / DEVIATION REPORT

SI.No	Description	BHEL's requirement	Supplier's comments
01	Sizes	Item wise size quoted in line with our requirement to be confirmed. Any deviation item wise to be mentioned.	
02	Specification	Quoted specification in line with our requirement to be confirmed. In case of offer with equivalent material grade, then copy of the entire specification of that equivalent grade shall be sent along with the technocommercial bid without fail.	
03	TDC	Clause wise confirmation in line with our TDC to be confirmed. In case of any deviation, clause wise to be mentioned in the below SDDR.	
04	Specification deviation disposition report (SDDR)	Below SDDR to be filled & submit without fail. (Even if no deviation is taken, NIL report to be submitted).	

SPECIFICATION DEVIATION DISPOSITION REPORT			
Specn	Item		
	& Date		
	r Name		
TE	DC		
No	Clause	Details Of Deviation With Reason	Disposition By BHEL
Signature Of Vendor			Reviewed By
if a	" AGREED DEVIATION " APPROVED BY if any to be incorporated in the PO in the event of order.		APPROVED BY

DATE: SIGNATURE WITH SEAL

Receipt No: 428611/2021/BAP-9751_DAMP

Annexure - 01 MPLG PQR

Pre-Qualification Requirement

10

Participate in Tender for Plates, Sheets & Structural Items' Procurement (To be submitted along with Offer for Technical BID Evaluation)

Following are the Pre-Qualification Requirement

SI No.	Criteria	Document proofs to be submitted	Bidder Compliance (Yes/No/Comment)
01	Bidder should be original manufacturers or OEM authorized distributor /agent/trader.	Certificate of being original manufacturer. A valid OEM authorization letter in case of Distributor /Agent/ Trader. Note- Exempted for *PMD Vendor	
02	Suppliers shall indicate their experience for the tendered specifications.	Copy of PO and Invoice with corelated test certificates to be submitted. Documents should not be older than 2years from tender opening date. Note- Exempted for *PMD Vendor	
03	Suppliers shall not have been banned / black listed / by BHEL Ranipet or any other unit/region/sector of BHEL.	Self-declaration to be submitted	
04	Quality Management System (QMS) or Quality Assurance Manual or Written down procedure		
05	BIS Certification for the products which are brought under compulsory certification by the Central Government as per the provision of BIS Act, 2016	a valid BIS certificate Note- Exempted for product not brought under compulsory certification as per the provision of BIS Act, 2016	
06	Confirmation to the Specification / TDC/ Drawing / Dimension / Size /Packing requirements	Signed copy of Specification/ TDC/Drawing shall be submitted as a proof of conformity	
07	Compliance to all provision of Technical Bid Documents.	Signed copy of "Certificate of Compliance" for No Technical Deviation- Annexure-02 MPLG SDDR	

^{*}PMD Vendor- Vendor registered with BHEL Ranipet for tendered product with specification.

- BHEL reserves the right to verify information / confirmation furnished by asking additional documents Proofs etc.
- BHEL reserves the right to visit supplier's works to audit and inspect to ensure the capability for technical evaluation.
- Compliance to all the above Pre-qualification requirements is mandatory. In absence of PQR compliance vendor's offer are liable for rejection.

Declaration:

We understand that all the proofs/documents submitted by our firm for all the above points are subject to verification and in case BHEL finds any discrepancy in any of the documents submitted by us like fake/false/forged documents, Certificates or information, action may be taken against our firm as per extant guidelines of BHEL.

Bidder's Seal & Signature

Receipt No: 428611/2021/BAP-9751_DAMP

Annexure - 02 MPLG SDDR

CERTIFICATE FOR COMPLIANCE TO

ALL PROVISIONS OF TECHNICAL BID DOCUMENTS

(Certificate of "NIL" Technical Deviation)
{To be submitted along with Offer for Technical BID Evaluation}

To,

Material Planning/MM BHARAT HEAVY ELECTRICALS LIMITED BOILER AUXILARIES PLANT RANIPET, PIN-632 406 TAMILNADU-INDIA

Dear Sir,

1.	With reference to our Bid submitted against the tender, we hereby confirm that we comply with all terms, conditions and specifications of the Technical Bidding Documents read in conjunction with Amendment(s) / Clarification(s) / Addenda/Errata (if any) issued by the BHEL Ranipet prior to opening of Techno-Commercial Bids and the same has been taken into consideration while making our Technical Bid and we declare that we have not taken any deviation in this regard except mentioned in the box given below. Technical Deviation (if any)-Write "NIL" in case of No Technical Deviation.			

- 2. We understand that in case the Products /Specifications/ additional conditions/ deviations/ variations/exception offered do not meet the Technical requirements, then our bid shall be rejected as Technically non-responsive.
- 3. We also confirm that in regards to technical requirement we have not written any additional conditions/ deviations/ variations/exception, implicit or explicit, anywhere else in the techno-commercial bid.
- 4. For technical deviation not acceptable to BHEL Ranipet, we also confirm that in case we refuse/not responding to withdraw additional conditions/ deviations/ variations/ exception regarding any technical requirement, within the stipulated time, our bid shall be rejected as Technically non-responsive.

Bidder's Seal & Signature