



Bharat Heavy Electricals Limited

(A Govt. Of India Undertaking)

Power Sector, Eastern Region

BHEL BHAWAN, PLOT NO. DJ-9/1, SECOTR II,

SALT LAKE CITY, KOLKATA, WEST BENGAL, INDIA

Phone : 033-23398221,033-23211690 FAX : 033-23211960

Sub	TENDER CHANGE NOTICE (TCN-01 DATED 27-05-2022)
Job	ERECTION, TESTING & COMMISSIONING OF LTRH PENDENT COILS BANK, LTRH HORIZONTAL COILS BANK, ECONOMISER HORIZONTAL COILS BANK, LIFTING OF ECONOMISER OUTLET HEADER, REPLACEMENT OF 8 NOS. SEPARATOR SAFETY VALVES, SHORTENING OF LENGTH OF FSH REAR COIL ASSY. REMOVAL OF 02 INNERMOST ELEMENTS (ELEMENT NO-23 & 24) FROM EACH PLATEN SUPER HEATER ASSEMBLY, HEADER END PLUGS/BLANKED ARE TO BE INSTALLED ,WELDED AT THE END OF HEADER NIPPLES OF PSH ALONG WITH CUP LOCK SCFFOLDING ARRANGEMENT AND ERECTION &DISMANTLING UPTO BOTTOM OF PSH, ASSISTANCE IN SHOT PEENING OF FSH COILS,ALONG WITH CONNECTED ACCESSORIES AND HYDRAULIC TEST OF THESE NEW COILS ALONG WITH OTHER RELATED CIRCUITS OF BOILER, AH SOOT BLOWER PIPING & SUPPORTS, EXTENDED BACK PASS BOTTOM SUPPORTS, ECONOMISER ANTI VIBRATION BAFFLES & CASTABLE REFRACTORY FOR EXTENDED BACK PASS PANEL AT UNIT#01 OF 3X660 MW NPGCL, NABINAGAR, AURANGABAD(BIHAR).
Ref	E-TENDER NO: PSER:PUR:NPGCL-S476:22 (ENQ:22:PP:0015:PUR:19) Date 23-05-2022.

With reference to above, following points/documents, relevant to tender, may please be noted and complied with while submitting the offer.

1. Clarification of bidder's query furnished below:

Sl. No.	Description / Tender clause	Bidder's query	BHEL's Clarification
1	--	Latest revision of EWS	Refer attached Annexure-A to this TCN-01.

2. 'No deviation certificate' is attached. Bidder to submit their offer along with stamped & signed copy of this TCN & 'No deviation certificate' as per attached format only.
3. All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

MANAGER(PURCHASE)

(Signature, date & seal of authorized representative of the contractor)



Name of Contractor/Subcontractor

PG(S) : 06,11,16,17,19
PG NAME : SH, RH,CIRC&ECO(PP)

FIELD WELDING SCHEDULE

FOR TENDER PURPOSE ONLY

DOC.NO: 9560-102-TR-QVM-Q-145
REV.NO. :02
WELDING CODE : IBR/ASME
PAGE NO. : 1/2

SL. NO.	DRG NO. FOR WELD LOCATION & IDENTIFICATION MARK	DESCRIPTION OF PARTS TO BE WELDED	MATERIAL SPEC.	DIMENSIONS		PROCESS OF WELDING	TYPE OF WELD	ELECTRODE FILLER SPEC.			WPS NO.	MIN. PRE-HEAT TEMP °C	HEAT TREATMENT TEMP. °C	NDT METHOD/QUANTUM	REF. SPEC. NO.	ACC NORM REF	RE-MARKS
				SIZE	THICK			TIG QTY	ARC QTY	QTY							
01	0-00-027-44972	ECO OUT HDR E-09 + ECO ASSY E-06U NEW	SA210GR.C + SA210GRC	Ø44.5 + Ø44.5	8.0	TIG ARC	8 ∇	ER70S-A1 12018	E-7018-1 19488		1003/04	20	-	100% PAUT/RT (H)	*	*	
02	0-00-027-44972	ECO ASSY E-06U NEW HGR + HANGER TUBE S-19	SA213 T12 + SA213 T12	Ø57.2 + Ø57.2	12.7	TIG ARC	12.7 ∇	ER80S-B2 6672	E-8018-B2 9792	5712	1009/03	150	-	100% PAUT/RT (H)	*	*	
03	0-00-027-44972	LTRH ASSY R-04U NEW (ACCESS COILS) + LTRH ASSY R-04U (ACCESS COILS)	SA213 T23 + SA213 T23	Ø63.5 + Ø63.5	4.0	TIG	4 ∇	2CRWV TIG 4096			1052/06	200	730 760	20 % RT & 80 % PAUT	*	*	100 % HC Δ 260 HV (MAX)
04	0-00-027-44972	LTRH LOOSE TUBES R-07 NEW	SA213 T91 + SA213 T91	Ø63.5 + Ø63.5	4.57	TIG	4.6 ∇	ER90S-B9 11312	E-9015-B91 6464		1036/08	220	730 760	20 % RT & 80 % PAUT	*	*	100 % HC Δ 180 HB (MIN) 300 HB (MAX)
05	0-00-027-44972	LTRH UPPER R-04U NEW HGR + LTRH UPPER R-04U HGR	SA213 T12 + SA213 T12	Ø63.5 + Ø63.5	12.7	TIG ARC	12.7 ∇	ER80S-B2 8078.4	E-8018-B2 11424	5712	1009/03	150	-	100% PAUT/RT (H)	*	*	
06	0-00-027-44972	LTRH PENDANT R-07 NEW + LTRH PENDANT R-07 NEW	SA213 T91 + SA213 T91	Ø63.5 + Ø63.5	5.0	TIG ARC	5 ∇	ER90S-B9 33209	E-9015-B91 21816		1036/08	220	730 760	20 % RT & 80 % PAUT	*	*	100 % HC Δ 180 HB (MIN) 300 HB (MAX)
07	0-00-027-44972	BP ROOF PANEL S-21 LOOSE TUBES	SA213 T12 + SA213 T12	Ø44.5 + Ø44.5	8.0	TIG ARC	8 ∇	ER80S-B2 2960	E-8018-B2 4800		1009/03	150	-	100% PAUT/RT (H)	*	*	
08	0-00-027-44972	BP SIDE PANEL S-12U	SA213 T12 + SA213 T12	Ø57.2 + Ø57.2	9.4	TIG ARC	9.4 ∇	ER80S-B2 1900	E-8018-B2 1000		1009/03	150	-	100% PAUT/RT (H)	*	*	
09	0-00-027-44972	ECO. OUTLET HDR SUPPORT TUBES S-19	SA213 T12 + SA213 T12	Ø57.2 + Ø57.2	12.7	TIG ARC	12.7 ∇	ER80S-B2 664	E-8018-B2 960	560	1009/03	150	-	100% PAUT/RT (H)	*	*	
10	0-00-027-44972	ECO. OUTLET LINK EF-01 ECO. OUTLET LINK EF-01 SPOOL PIPE	SA106GRC + SA106GRC	Ø508 + Ø508	71.5	TIG ARC	63 ∇	ER70S-A1 270	E-7018-1 76	1056 126	1004/04	150	610 ± 15	100 % RT	*	*	
11	0-00-027-44972	BP REAR PANEL S-20U/1 BP REAR PANEL S-20U/1	SA213 T12 + SA213 T12	Ø44.5 + Ø44.5	8.0	TIG ARC	8 ∇	ER80S-B2 6038	E-8018-B2 9792		1009/03	150	-	100% PAUT/RT (H)	*	*	
12	0-00-027-44972	LTRH ASSY R-04U NEW + LTRH ASSY R-04U	SA213 T91 + SA213 T91	Ø63.5 + Ø63.5	4.0	TIG	4 ∇	ER90S-B9 47616			1036/08	220	730 760	20 % RT & 80 % PAUT	*	*	100 % HC Δ 180 HB (MIN) 300 HB (MAX)

PREPARED	CHECKED (DESIGN)	CHECKED (W.T.C)	APPROVED	DATE	DRAWING NO:	REV.NO.
SHYJU T	R.SAI KUMAR	L.PRAVEEN KUMAR	N.NIRMAL RAJ	01.10.2021	4ANJOY-ADHARQ 3817	02

CAUTION: THE INFM ON THIS DOCUMENT IS THE PROPERTY OF BHEL. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL.

* REFER NDE MANUAL No.PS:CMX: 002 REV.No.01/12-98

(H) - BHEL IS PROPOSING THE EXTRA COST OF CONDUCTING PAUT/RT OVER AND ABOVE 20% PAUT/RT TO BE BORNE BY NTPC AS PER THE DISCUSSION.

ANNEXURE - IV

FORMAT FOR NO DEVIATION CERTIFICATE

(To be submitted in the bidder's letter head)

To,
Bharat Heavy Electricals Limited,
POWER SECTOR – EASTERN REGION
2nd FLOOR, Block-DJ, Plot- 9/1, SECTOR II
SALT LAKE CITY, KOLKATA – 700 091
FAX – 033-2321-1960

Job: ERECTION, TESTING & COMMISSIONING OF LTRH PENDENT COILS BANK, LTRH HORIZONTAL COILS BANK, ECONOMISER HORIZONTAL COILS BANK, LIFTING OF ECONOMISER OUTLET HEADER, REPLACEMENT OF 8 NOS. SEPARATOR SAFETY VALVES, SHORTENING OF LENGTH OF FSH REAR COIL ASSY. REMOVAL OF 02 INNERMOST ELEMENTS (ELEMENT NO-23 & 24) FROM EACH PLATEN SUPER HEATER ASSEMBLY, HEADER END PLUGS/BLANKED ARE TO BE INSTALLED ,WELDED AT THE END OF HEADER NIPPLES OF PSH ALONG WITH CUP LOCK SCFFOLDING ARRANGEMENT AND ERECTION &DISMANTLING UPTO BOTTOM OF PSH, ASSISTANCE IN SHOT PEENING OF FSH COILS,ALONG WITH CONNECTED ACCESSORIES AND HYDRAULIC TEST OF THESE NEW COILS ALONG WITH OTHER RELATED CIRCUITS OF BOILER, AH SOOT BLOWER PIPING & SUPPORTS, EXTENDED BACK PASS BOTTOM SUPPORTS, ECONOMISER ANTI VIBRATION BAFFLES & CASTABLE REFRACTORY FOR EXTENDED BACK PASS PANEL AT UNIT#01 OF 3X660 MW NPGCL, NABINAGAR, AURANGABAD(BIHAR).

E-Tender No.: PSER:PUR:NPGCL-S476:22 (ENQ:22:PP:0015:PUR:19) Date 23-05-2022 and TCN-01 Date 27-05-2022.

Dear Sir/Madam,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/modified the tender documents as appeared in the websites and in case of observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT *and confirm our acceptance to reverse auctioning process* and we hereby convey our unqualified acceptance to all terms and conditions as stipulated in the tender and NIT.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted offer strictly in accordance with tender instructions.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized
representative of the contractor)