



Bharat Heavy Electricals Limited

(A Government of India Undertaking)

Power Sector – Eastern Region

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TCN – 04, Dated: 21-04-2008

SUB: TENDER CHANGE NOTICE (TCN) - 04 OF OFFER FOR ERECTION TESTING, COMMISSIONING AND HANDING OVER OF LP PIPING SYSTEM (LARGE & SMALL DIAMETER) INCLUDING SUPPLY & APPLICATION OF PAINTING AND WRAPPING/COATING MATERIAL FOR UNIT # 3, (1X250MW), BUDGE-BUDGE EXTENSION TPS, WEST BENGAL.

TENDER DOCUMENT NO. PSER:SCT:BDG-M864:08

WITH REFERENCE TO ABOVE FOLLOWING CHANGES MAY PLEASE BE NOTED AND COMPLIED WHILE SUBMITTING THE OFFER FOR THE SUBJECT JOB.

REPLY/ CLARIFICATION AGAINST THE QUERIES RAISED BY THE BIDDERS ARE NOW GIVEN IN ANNEXURE – I & ANNEXURE-2 TO TCN-04(ENCLOSED).

BIDDERS TO NOTE THAT THIS **TCN-04** WILL FORM PART OF THE TENDER DOCUMENT AND ARE REQUESTED TO COMPLY.

ALL OTHER TERMS AND CONDITIONS OF SUBJECT TENDER / TENDER DOCUMENTS REMAIN UNCHANGED.

DGM/ SCT

Annexure I

Project : Erection, testing and commissioning and handing over of LP Piping System (Large & Small diameter) including supply & application of painting and wrapping /coating material for Unit #3, (1x250 MW), Budge-Budge Extension TPS, West Bengal.

Tender No. PSER:SCT:BDG-M864:08

S.No.	Ref. clause of Tender Document	Existing Provision	Bidder's Query	BHEL's Clarification
1	Vol.III A (Rev.01) BOQ cum Schedule of Rates & Vol.III B (Rev.01) BOQ cum Schedule of Rates - CIVIL WORKS	Sl. No. 1 to 22 are appearing for various description, however at the end of same Total Amount (for Civil BOQ) has been asked for Sl. No. 1 to 24.	Is it a typographical mistake or Sl. No. 23 & 24 are missed out?	SL NOS. 23 & 24 DOES NOT EXIST.
2	Vol.III A (Rev.01) BOQ cum Schedule of Rates & Vol.III B (Rev.01) BOQ cum Schedule of Rates - CIVIL WORKS	Under ST. NO. 102, rates for excavation are to be furnished at various depths and for all kind of soil including rock.	Please furnish separate quantity for excavation in soil and rock. Also provide soil investigation report for our review.	ROCK NEED NOT TO BE CONSIDERED.
3	TCN-01, dated 03-04-2008, Annexure-I, Sl. No. 3	Concrete bedding below pipes shall be provided by bidder.	We understand the same shall be paid for in accordance to Unit Rates furnished in Schedule of Rates – Civil works, Vol III A.	YES
4	TCN-01, dated 03-04-2008, Annexure-I, Sl. No. 9	Internal Painting	It is mentioned that Internal Cleaning is not in Bidder's scope. However in Schedule of Rates (SOR) for Mechanical works at Sl. No. 1 & 2 provided with TCN-03, it mentioned to carry out internal cleaning and painting for CW and	ONLY FOR THE FIELD JOINTING AREA.

			other LP pipe work. Please confirm there is no internal painting involved under bidder's scope and modify the SOR accordingly.	
5	Clause 1.17, Volume II Technical Specification and SCC, page 19 of 46.	Field Final Painting (External surface)	<p>We note reference has been made to follow Quality Plan no. 6815:QPC:01, Rev 01 for touch up of CW pipe work and Quality Plan no. 6837:QPC:03, Rev 01 for LP piping other than CW piping for external painting. None of the plans are available in the tender documents. Instead Quality Plan no. 6914:QPC:04, Rev 01 is available and the same does not indicate any painting requirement of external surface of Overground Pipes diameter > 1000 mm.</p> <p>Please clarify the scope of work with regard to painting and provide specifications for same.</p>	IN ADDITION TO PAINTING SCH. ATTACHED ANNEX-2 HEREWITH.

15.00.00 PAINTING

15.04.00 Painting Systems

The requirements for the dry film thickness (DFT) of paint and the materials to be used shall be as stated below, unless otherwise specified elsewhere in this specification.

a) Surfaces Subject To Weathering

All surfaces shall have a minimum of four coats of paint made up as follows :

Primer coat	:	35 micron DFT
Tie coat	:	35 micron DFT
Finishing coat (2 nos)	:	35 micron DFT per coat

The total minimum DFT shall be 140 micron.

b) Surfaces Inside Buildings

All surfaces shall have a minimum of three coats of paint made up as follows:

Primer coat	:	35 micron DFT
Tie coat	:	35 micron DFT
Finishing coat (2 nos)	:	25 micron DFT per coat

The total minimum DFT shall be 120 micron.

The type and colour of primer & finish coat shall be selected by the Bidder after approval by the Owner.

16.00.00 COLOUR CO-ORDINATION & FINISH

16.01.00 Exterior surfaces throughout the plant shall be finished in colours and textures which will blend harmoniously together and with the surrounding landscape.

16.02.00 Interior surfaces throughout the plant shall be finished in colours and textures which will blend harmoniously together and which will be conducive to; the comfort, well-being and high productivity of the operators. Operating plant and services provided shall be colour coded for ease of identification.

16.03.00 All finishes shall be durable and as far as possible maintenance free. Finishes shall be easily cleaned.

16.04.00 Final colours and finishes shall be to the Approval of the Engineer.

All colour coding shall be in consonance with the existing plant, Colour code shall be decided during detail engineering.