



# भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

## BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

### TCN - 05

Ref: PSER:SCT:KLN-T1976:TCN-05

Date: 25-07-2019

Sub	Tender Change Notice (TCN)- 05.	
Job	Erection, testing, commissioning, handing over, etc of steam turbine & aux, generator & aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh.	
Ref	1.0	Tender no PSER:SCT:KLN-T1976:19.
	2.0	BHEL's NIT, vide reference no PSER:SCT:KLN-T1976:7445 Date: 18-07-2019.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:KLN-T1976:TCN-01 Date: 20-07-2019
	4.0	BHEL's TCN-02, vide reference no PSER:SCT:KLN-T1976:TCN-02 Date: 23-07-2019
	5.0	BHEL's TCN-03, vide reference no PSER:SCT:KLN-T1976:TCN-03 Date: 24-07-2019
	6.0	BHEL's TCN-04, vide reference no PSER:SCT:KLN-T1976:TCN-04 Date: 24-07-2019
	7.0	Other References, if any.

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

1. Revised VOLUME-III-PRICE SCHEDULE, R-03 attached superseding VOLUME-III-PRICE SCHEDULE, R-02, issued earlier along with TCN-04.
2. The clarifications to bidder's queries are attached at Annexure-A.
3. Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
4. All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

Dy MGR (SCT)

Encl: As Above.

पावर सेक्टर पूर्वी क्षेत्र ( मुख्यालय )

POWER SECTOR EASTERN REGION, DJ-9/1, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

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**VOLUME-III  
PRICE SCHEDULE, REV-03**

**Erection, testing, commissioning, handing over, etc of steam turbine & aux, generator & aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh**

**TENDER NO. PSER:SCT:KLN-T1976:19**

SL	PREAMBLE
1	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully before filling in rates for various items. Clauses under this preamble shall be read in conjunction with Volume-IB, ID, IE , Volume – IF and other tender sections as applicable and shall have precedence over any contrary statement mentioned any where in this document.
2	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions. Drawings enclosed with the tender are only preliminary and for tender purposes and giving some idea of the work involved. The work is to be executed as per drawings & documents, which shall be furnished during execution.
3	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
4	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment, strengthening of roads/culverts/bridges etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, taxes(except service tax), transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the complete tender document and this schedule.
5	The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or be deleted altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains, within fifteen percent ( $\pm 15\%$ ) of the awarded price as per LOI .
6	Prior written approval of BHEL shall be sought by the contractor in case quantity variation of any item crosses +50% (plus fifty percent) limit during execution and approval to be obtained before execution of further quantity for this item.
7	In case Sealed /Paper Price Bids are opened for finalisation of the tender, for any Item Rate/BOQ based contract, possibility of variation of quantity/ addition/deletion of items can not be ruled out. Under such circumstances, after execution of work, if it is observed that standing as L-1 is changed based on actual quantity executed, the bidder shall give suitable rebate to maintain your standing as L-1. Since this aspect can be assessed at the end of execution, necessary adjustment will be effected at the end of execution in final bill. This condition shall not be applicable where the tender is finalised through Reverse Auction.
8	BHEL reserve the right to rationalize the rates, quoted by L-1 bidder against unit rate items and/ or other optional items with respect to item-wise lowest rates (amongst the participating bidders), before placement of order.
9	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing , clearing of old structures and leveling etc. including fixing of grid pillars, benchmarks etc. required for commencement of site activities. No separate payment will be made towards the same. However, if separate rate for such item is available in the rate schedule, the same shall be considered.
10	Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English language.
11	All works item wise shall be measured upon completion and paid for at the rates quoted and accepted as per BHEL approved payment schedule/billing break-up.

**VOLUME-III  
PRICE SCHEDULE, REV-03**

**Erection, testing, commissioning, handing over, etc of steam turbine & aux, generator & aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh**

**TENDER NO. PSER:SCT:KLN-T1976:19**

<b>SL</b>	<b>PREAMBLE</b>
12	The tender shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
13	No splitting of the job is envisaged. Decision of BHEL in this regard shall be final and binding to the bidders.
14	Bidders are not allowed to alter the Price Schedule format including item description, quantity etc. and the offer is liable for rejection if the bidders submit their prices in Price Schedules modified by them. BHEL reserves the right to reject the offers of bidders who submit offers in Price Formats which are modified/ altered by them. Also putting any comments instead of rates/price in the designated column of the rate schedule shall make the offer liable for rejection.
15	Bidders to note that for Civil & Structural packages, against a particular item against a ST No. appearing in more than one schedule of the BOQ, same rate must be quoted in all schedules for that particular items with same descriptions. If by error, different rates are quoted in different schedules for same ST No. (i.e. item with same description), then the higher of the rates shall be considered for evaluation but awarding shall be done with the lower rate, if the bidder becomes L-1."
16	For Lumpsum Service Contract : The items/components indicated in the tender is indicative and may vary to any extent. No compensation shall be payable in case of any variation in the items/components listed in the bill of quantities if the executed weight remains within the variation limit. However, in case of deletion of any item or addition of new items over and above the items listed or variation of existing quantity beyond variation limit specified, adjustment (i.e. Payment or recovery as the case may be ) shall be done on pro-rata basis based on the Rate per MT worked out from the quoted lump-sum Price and the total weight of components listed /indicated in price schedule plus 15% weight variation limit.
17	Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.
18	In case of tender for Civil and/or Structural works, if the Non-schedule items are not quoted by the bidder, it will be treated at par with rate of corresponding item of CPI/CPWD/PWD/ Bangladesh schedules schedule as prescribed in the tender/BOQ cum Rate Schedule.
19	No interest, whatsoever, shall be payable by BHEL on the security deposit, any bank guarantee submitted or any amount due to successful bidder/contractor.
20	Size and weights of various items are mentioned in the attached BOQ cum rate/price schedule for reference purpose only & these shall not be taken into consideration for quoting/calculating amount in the rate schedule. These shall be utilised as per relevant sections of tender. Bidders shall quote for each item in the rate column, taking unit as mentioned in the quantity column. Rates shall be filled in both figures and words. Amount shall be calculated based upon these rates multiplied by the mentioned quantity for the respective items.
21	Bidder's Grand Total price will be considered for evaluation unless stated otherwise.
22	In case of BOP packages, if Bidder does not quote/indicate the price for freight charges against indicated rate schedule, the same shall be considered as 2% of basic price and adjusted with the total quoted price against each item keeping the total quoted price unaltered.

<b>VOLUME-III PRICE SCHEDULE, REV-03</b>		
<b>Erection, testing, commissioning, handing over, etc of steam turbine &amp; aux, generator &amp; aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh</b>		
<b>TENDER NO. PSER:SCT:KLN-T1976:19</b>		
<b>RATE SCH I: TOTAL PRICE</b>		
<b>SL NO</b>	<b>DESCRIPTION OF WORK</b>	<b>TOTAL PRICE (USD)</b>
1.0	TOTAL PRICE FOR ERECTION, TESTING AND COMMISSIONING OF TG & AUX PKG, INCLUDING FIRE PROTECTION SYSTEM AND LP PIPING FOR BOTH UNITS AT 2X660MW MAITREE STPP, RAMPAL, BANGLADESH	
<b>NOTE</b>		
1.0	Bidder to note that total price at sl no 1.0 above shall be considered for evaluation & awarding. As such total price at sl no 1.0 should be complete in all respect for the full scope defined and considering all terms and conditions.	
2.0	Bidder to note that percentage break-up of above total price is frozen and indicated in SCH-II and subsequent schedules.	
3.0	Bidder shall note that while the allocated price of SCH-II correspond to their respective prices, rates of various components will be worked out by apportioning the amounts wrt respective indicated weight/quantities. As such, any uncalled figure / amount noted at any other place / schedule of Volume-III will not be reckoned, and will stand null & void.	
4.0	Based on mode of finalisation of contract, either through Reverse Auction or price bid opening, followed by negotiation, if any, while absolute price may change, percentage allocation as per the price schedule shall remain unchanged.	
5.0	Based on the item wise percentage allocations, the amount for the individual items of the Bill of Quantity shall be arrived at. The rates of individual items shall be derived from the amount against each items and its quantity after rounding off upto 3 decimal places. However, RA bill payment shall be done after rounding off the gross amount to two decimal points. Any adjustment, if required, due to such methodology, will be effected / adjusted in final bill.	
6.0	Any item as per scope of work, if not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.	
7.0	Price format shall not be changed by bidder in any case, since it may lead to cancellation of bidder's offer.	

VOLUME-III PRICE SCHEDULE, REV-03				
Erection, testing, commissioning, handing over, etc of steam turbine & aux, generator & aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh				
TENDER NO. PSER:SCT:KLN-T1976:19				
SCH-II: TOTAL PRICE BREAK-UP				
SL. NO.	DESCRIPTION OF WORK	QTY	UOM	WEIGHTAGE
<b>1.0</b>	<b>TG &amp; AUX PKG - Unit #1</b>			
1.1	Total Lumpsum price for providing manpower, supervision, T&P, etc for unloading of <b>generator stator, generator rotor, HP turbine, IP rotor and LP rotor, LPC inner-outer upper half, LPC inner casing assembly (LH), exciter, turbine integral piping (TIP);</b> verification; transporting to place as directed by engineer; preservation; identification & arranging issue & taking delivery of materials from BHEL store/ storage yard, etc; transportation of these to pre-assembly yard/ place of erection; temporary storage; preservation as required prior to erection after receipt; watch & ward; erection; chemical cleaning of piping, etc; testing; commissioning; trial operation; PG test (assistance), commissioning manpower support after commercial run; handing over (including finish painting), etc, of steam turbine & aux, generator & aux, condenser, auxiliaries, pump, heaters, LP dosing system, colts; tanks; integral piping; TG piping; etc. of <b>Unit#1 and common systems</b> in line with specification/ drawings/ documents/ test procedures approved by BHEL/ owner, for the total scope defined in technical specification and terms & conditions of tender, taking into account all clarifications, confirmations, agreements till date.	1	LOT	<b>0.3339426</b>
<b>1.2</b>	<b>SHIFTING &amp; UNLOADING</b>			
	Total price for loading onto trailer (at site), shifting and unloading (in/near Unloading Bay of Power House) of Generator Stator.	1	No.	<b>0.00542166</b>
<b>2.0</b>	<b>TG &amp; AUX PKG - Unit #2</b>			
	Total Lumpsum price for providing manpower, supervision, T&P, etc for unloading of generator stator, generator rotor, HP turbine, IP rotor and LP rotor, LPC inner-outer upper half, LPC inner casing assembly (LH), exciter, turbine integral piping (TIP); verification; transporting to place as directed by engineer; preservation; identification & arranging issue & taking delivery of materials from BHEL store/ storage yard, etc; transportation of these to pre-assembly yard/ place of erection; temporary storage; preservation as required prior to erection after receipt; watch & ward; erection; chemical cleaning of piping, etc; testing; commissioning; trial operation; PG test (assistance), commissioning manpower support after commercial run; handing over (including finish painting), etc, of steam turbine & aux, generator & aux, condenser, auxiliaries, pump, heaters, LP dosing system, colts; tanks; integral piping; TG piping; etc. of <b>Unit#2</b> in line with specification/ drawings/ documents/ test procedures approved by BHEL/ owner, for the total scope defined in technical specification and terms & conditions of tender, taking into account all clarifications, confirmations, agreements till date.	1	LOT	<b>0.32228603</b>

<b>VOLUME-III PRICE SCHEDULE, REV-03</b>				
<b>Erection, testing, commissioning, handing over, etc of steam turbine &amp; aux, generator &amp; aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh</b>				
<b>TENDER NO. PSER:SCT:KLN-T1976:19</b>				
<b>SCH-II: TOTAL PRICE BREAK-UP</b>				
<b>SL. NO.</b>	<b>DESCRIPTION OF WORK</b>	<b>QTY</b>	<b>UOM</b>	<b>WEIGHTAGE</b>
<b>3.0</b>	<b>FIRE PROTECTION SYSTEM</b> Total price for providing manpower, supervision, T&P, etc for taking delivery of materials from BHEL store/ storage yard, etc; transportation of these to pre-assembly yard/ place of erection; temporary storage; preservation as required prior to erection after receipt; watch & ward; erection, painiting (as required, including supply of complete paint); testing; commissioning; trial operation; PG test (assistance), commissioning manpower support after commercial run; handing over, etc, in line with specification/ drawings/ documents/ test procedures approved by BHEL/ owner, for the total scope defined in technical specification and terms & conditions of tender, taking into account all clarifications, confirmations, agreements till date, of Fire Protection system (excluding piping).	380.0	MT	<b>0.0327784</b>
<b>4.0</b>	<b>LP PIPE</b> Total price for Erection, testing, commissioning of LP PIPING consisting of Plant Water piping, Fire Protection system piping, and various balance piping systems such as instrument air, service air, drinking water, service water systems, DMCW, ACW, etc. of unit # 1 & 2.	1	LOT	<b>0.30557131</b>
<b>TOTAL</b>				<b>1.00000000</b>
<b>Note:</b>				
a	The erection work shall include necessary welding, fititngs, clamps, fixtures, etc. including finishing work as may be requiried for completion of the work.			
b	15% of the package wise price at Sl. No. 1.1, 2.0, & 3.0 shall be considered against supply of consumables required for completion of the job and 85% shall be considered as E&C cost. In view of the same and above price break-up, on the basis of allocated weightage, separate orders shall be issued for supply and service: (a) On Lumpsum basis for sl. no. 1.0 & 2.0 and (b) Item BOQ basis for sl. no. 3.0. Refer Sch-III for LP pipe order break-up.			
c	The above BOQ is to be read in conjunction with technical specs and annexures provided with the tender.			
d	Sl. no. 1.2 may not be operated also and in that case this payment shall not be made.However, if required this may be operated for Unit-1 or Unit-2 or both.			

VOLUME-III PRICE SCHEDULE, REV-03			
Erection, testing, commissioning, handing over, etc of steam turbine & aux, generator & aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh			
TENDER NO. PSER:SCT:KLN-T1976:19			
SCH-III- LP PIPE PACKAGE			
SL NO	DESCRIPTION	QTY	WEIGHTAGE
<b>PRICE BREAK-UP OF SL. NO. 4.0 OF SCH-II</b>			
1.0	Handling from storage, erection, welding, non-destructive testing, inspection, internal cleaning & painting (incl supply as per scope), final painting, testing & commissioning of River/Canal water piping / DMCW piping / Plant Water piping, etc. <b>Carbon Steel piping (all sizes above 800mm OD and upto 1422mm OD)</b> and associated material (covering fittings and valves etc) as per tender. Payment shall be released as per following. (i) Erection - 35%; (ii) Alignment - 5%; (iii) Welding - 29.5%; (iv) NDT - 10%; (v) Hydraulic test - 5%; (vi) Painting completion - 15% and (vii) As-built drawing submission - 0.5%.	50 MT	0.00333398
2.0	Handling from storage, erection, welding, non-destructive testing, inspection, internal cleaning & painting (incl supply as per scope), final painting, testing & commissioning of ACW piping / DMCW piping / Seal Air/ Plant Water piping / DM Water / Service and Portable water piping <b>Carbon Steel piping (all sizes above 169mm OD and upto 800mm OD)</b> and associated material (covering fittings and valves etc) as per tender. Payment shall be released as per following. (i) Erection - 35%; (ii) Alignment - 5%; (iii) Welding - 29.5%; (iv) NDT - 10%; (v) Hydraulic test - 5%; (vi) Painting completion - 15% and (vii) As-built drawing submission - 0.5%.	484 MT	0.0323056
3.0	Handling from storage, erection, welding, non-destructive testing, inspection, internal cleaning & painting (incl supply as per scope), final painting, testing & commissioning of Fuel Oil Piping/ DMCW piping / Seal Air/ Plant Water piping / Service and Portable water piping / Condensate Transfer System / DM make-up water system - <b>Carbon Steel piping (all sizes below and up to OD 169mm )</b> and associated material (covering fittings and valves etc) as per tender. Payment shall be released as per following. (i) Erection - 35%; (ii) Alignment - 5%; (iii) Welding - 29.5%; (iv) NDT - 10%; (v) Hydraulic test - 5%; (vi) Painting completion - 15% and (vii) As-built drawing submission - 0.5%.	532 MT	0.03548155
4.0	Handling from storage, erection, welding, non-destructive testing, inspection, internal cleaning & painting (incl supply as per scope), final painting, testing & commissioning of <b>Duplex SS (stainless steel) LP piping system (Raw water, CW System, ACW system, Desalinated water, etc.) - for dia up to 450 NB)</b> and associated material (including fitting and valves etc) as per tender. Payment shall be released as per following. (i) Erection - 35%; (ii) Alignment - 5%; (iii) Welding - 29.5%; (iv) NDT - 10%; (v) Hydraulic test - 5%; (vi) Painting completion - 15% and (vii) As-built drawing submission - 0.5%.	109 MT	0.00869369
5.0	Handling from storage, erection, welding, non-destructive testing, inspection, internal cleaning & painting (incl supply as per scope), final painting, testing & commissioning of <b>Stainless Steel- LP piping system (DM water, Service water, Inst Air system, CW System, ACW system, Desalinated water, etc.) - for dia up to 450 NB)</b> and associated material (including fitting and valves etc) as per tender. Payment shall be released as per following. (i) Erection - 35%; (ii) Alignment - 5%; (iii) Welding - 39.5%; (iv) NDT - 10%; (v) Hydraulic test/ leakage test - 10%; and (vi) As-built drawing submission - 0.5%.	56 MT	0.00444246

<b>VOLUME-III PRICE SCHEDULE, REV-03</b>			
<b>Erection, testing, commissioning, handing over, etc of steam turbine &amp; aux, generator &amp; aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh</b>			
<b>TENDER NO. PSER:SCT:KLN-T1976:19</b>			
<b>SCH-III- LP PIPE PACKAGE</b>			
<b>SL NO</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>WEIGHTAGE</b>
6.0	Handling from storage, erection, welding/ jointing, non-destructive testing, inspection, internal cleaning & painting (incl supply as per scope), final painting, testing & commissioning of <b>instrument air and service air system piping (up to 200 NB galvanised &amp; threaded)</b> and associated material (including fitting and valves etc) as per tender. Payment shall be released as per following. (i) Erection - 35%; (ii) Alignment - 5%; (iii) Jointing - 39.5%; (iv) NDT - 10%; (v) Pnuematic test - 10%; and (vi) As-built drawing submission - 0.5%.	118	MT 0.00786553
7.0	Handling from storage, erection, welding/ jointing, non-destructive testing, inspection, internal cleaning & painting (incl supply as per scope), final painting, testing & commissioning of <b>PU coated CS piping of various system (900 NB to 3300 NB )</b> and associated material (including fitting and valves etc) as per tender. Payment shall be released as per following. (i) Erection - 35%; (ii) Alignment - 5%; (iii) Jointing - 30%; (iv) NDT - 10%; (v) PU coating (including PU coating material supply for joints) as per rmt at joints - 9.5%; (vi) Pnuematic test - 10%; and (vii) As-built drawing submission - 0.5%.	100	MT 0.00666796
8.0	Handling from storage, erection, welding/ jointing, non-destructive testing, inspection, internal cleaning & painting (incl supply as per scope), final painting, testing & commissioning of <b>Rubber Lined CS piping of Intake water, PT Water, Blowdown system, ACW, etc. (300 NB to 800NB )</b> and associated material (including fitting and valves etc) as per tender. Payment shall be released as per following. (i) Erection - 35%; (ii) Alignment - 5%; (iii) Jointing - 39.5%; (iv) NDT - 10%; (v) Pnuematic test - 10%; and (vi) As-built drawing submission - 0.5%.	576	MT 0.03840745
9.0	Handling from storage, fabrication, erection, welding, inspection, fixing/ embedding, painting etc of <b>hangers, supports &amp; structures, misc supporting material etc.</b> all complete. Payment shall be released as per following. (i) Erection - 55%; (ii) Welding - 35%; (iii) Painting completion - 9.5% and (iv) As-built drawing submission - 0.5%.	200	MT 0.01333592
10.0	Handling from storage, erection, welding, inspection, fixing/ embedding, painting etc of <b>RE joints, expansion bellows, annubars &amp; flow elements</b> all complete. Payment shall be released as per following. (i) Erection - 60%; (ii) Welding - 35%; (iii) Painting completion - 3% and (iv) As-built drawing submission - 2%.	30	MT 0.00200039
11.0	Fabrication of <b>mitre bends, tees</b> of sizes NB 250 and above for various carbon steel LP piping systemetc from straight pipes. Straight pipes will be supplied by BHEL free. Payment shall be released as per following. (i) Fabrication - 95%; (ii) Erection - 5%.	100	MT 0.00666796

<b>VOLUME-III PRICE SCHEDULE, REV-03</b>			
<b>Erection, testing, commissioning, handing over, etc of steam turbine &amp; aux, generator &amp; aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh</b>			
<b>TENDER NO. PSER:SCT:KLN-T1976:19</b>			
<b>SCH-III- LP PIPE PACKAGE</b>			
<b>SL NO</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>WEIGHTAGE</b>
12.0	Handling from storage, erection, welding, non-destructive testing, inspection, internal cleaning & painting (including complete supply), final painting, testing & commissioning of Piping System for below mentioned sizes of Pipes of ' <b>Fire Protection system</b> ' and associated material (covering fittings and valves etc) as per tender:  Payment shall be released as per following: (i) Erection - 40%; (ii) Alignment - 10%; (iii) Welding - 19.5%; (iv) NDT - 10%; (v) Hydraulic test - 5%; (vi) Painting completion - 15% and (vii) As-built drawing submission - 0.5%.		
12.1	Pipe sizes upto 80 NB	621	MT 0.04142137
12.2	Pipe sizes beyond 80 NB	1,389	MT 0.09259893
13.0	Wrapping of burried pipe covering supply and application of <b>wrapping &amp; coating material (2 layers, each 2 mm thick)</b> of burried pipe as per tender specification, drawing/document and as per BHEL instruction. (Qty indicated is surface area of buried pipe in sq mtr). Payment shall be released as per following. (i) Supply - 80% and (ii) Application - 20%.	6250	SQM 0.01195018
14.0	Wrapping of burried pipe of Fire Fighting and Fire protection system with the application of <b>wrapping &amp; coating material</b> as per tender specification, drawing/document and as per BHEL instruction. (Qty indicated is surface area of buried pipe in sq mtr). (Wrapping coating materials shall be supplied by BHEL at free of cost)	625	SQM 0.00039834
<b>TOTAL</b>			<b>0.30557131</b>
<b>NOTE</b>			
a	Cathodic protection, wherever applicable, as per drawing shall be carried out by BHEL. The successful bidder shall co-ordinate for the smooth application of same with BHEL/ BHEL's Agency.		
b	15% of the price, except Sl. No. 13.0, shall be considered against supply of consumables required for completion of the job and 85% shall be considered as E&C cost. For Sl. No. 13.0, 80% shall be supply cost and 20% shall be E&C cost. In view of the same and above price break-up, on the basis of allocated weightage, separate orders shall be issued for supply and service.		

Sl. No.	Reference clause of tender document	Existing provision	Bidder's query	BHEL's clarification
1	2.0-SCT-KLN-T1976-TCN-01-VOL-III-PRICE SCH-R1 (SCH-II: TOTAL PRICE BREAK-UP Page No.05 of 08)	<p><b>Sl.No.b)</b>            20% of the package wise price at Sl. No. 1.1, 2.0, &amp; 3.0 shall be considered against supply of consumables required for completion of the job and 80% shall be considered as E&amp;C cost. In view of the same and above price break-up, on the basis of allocated weightage, separate orders shall be issued for supply and service:            (a) On Lump sum basis for sl. no. 1.0 &amp; 2.0 and            (b) Item BOQ basis for sl. no. 3.0.</p>	It is considered that 20 % of the package wise price of Sl. No. 1.1, 2.0, & 3.0 will be placed a separate Work order in INR and Payment also will be released in INR along with the applicable GST as Extra as per the Clause no 12.1.2 of TCC- Please confirm	Shall be as per Tender.

**FORMAT FOR NO DEVIATION CERTIFICATE**  
**(To be submitted in the bidder's letter head)**

BHARAT HEAVY ELECTRICALS LIMITED,  
Power Sector - Eastern Region,  
Plot no 9/1, DJ Block, Sector – II, Salt Lake City,  
Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	Erection, testing, commissioning, handing over, etc of steam turbine & aux, generator & aux, pumps, auxiliaries, etc. including Fire Protection System and LP Piping for both units at 2x660 MW Maitree STPP, Rampal, Bangladesh.	
Ref	1.0	Tender no PSER:SCT:KLN-T1976:19.
	2.0	BHEL's NIT, vide reference no PSER:SCT:KLN-T1976:7445 Date: 18-07-2019.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:KLN-T1976:TCN-01 Date: 20-07-2019
	4.0	BHEL's TCN-02, vide reference no PSER:SCT:KLN-T1976:TCN-02 Date: 23-07-2019
	5.0	BHEL's TCN-03, vide reference no PSER:SCT:KLN-T1976:TCN-03 Date: 24-07-2019
	6.0	BHEL's TCN-04, vide reference no PSER:SCT:KLN-T1976:TCN-04 Date: 24-07-2019
	7.0	BHEL's TCN-05, vide reference no PSER:SCT:KLN-T1976:TCN-05 Date: 25-07-2019
	8.0	All other pertinent issues till date.

Dear Sirs,

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 website/ issued by you and in case of such 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. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

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/uploaded offer/documents in accordance with tender instructions with acceptance of the terms & conditions of the tender by us and as per aforesaid references.

Thanking you,

Yours faithfully,

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

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION DJ-9/1, SECTOR-II, SALLAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 033-2339 8000/ 2339 8236