



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN – 01

Ref: PSER:SCT:FKK-S1766:TCN-01

Date: 12-09-2016

Sub	Tender change notice (TCN) 01	
Job	Material handling; dismantling of existing C&I system and erection, Testing, Commissioning & PG test of new C&I system at U#5 and common system area for U#4 & U#5 at 2x500MW NTPC Farakka, West Bengal.	
Ref	1.0	Tender no PSER:SCT: FKK-S1766:16.
	2.0	BHEL's NIT, vide reference no PSER:SCT:FKK-S1766:5182 , Dated 25-08-2016
	3.0	All other pertinent issues till date.

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

- 1.0 Revised Price Schedule, VOLUME-III-R-01 attached superseding PRICE SCHEDULE VOLUME-III-R-00 issued earlier along with NIT. Bidder shall quote as per this revised Volume-III, Rev-01 only. Bidders are also requested to submit a declaration in techno-commercial offer that they have submitted their price bid as per REVISED price schedule format (VOLUME-III- PRICE SCHEDULE, REV-01).
(For uploading Revised/Latest price schedule format in E-procurement Portal, contact Mjunction.)
- 2.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 3.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

Sr. ENGR (SCT)

Encl

1.0 As above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

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**VOLUME-III
PRICE SCHEDULE, REV-01**

Material handling; dismantling of existing C&I system and erection, Testing, Commissioning & PG test of new C&I system at U#5 and common system area for U#4 & U#5 at 2x500MW NTPC Farakka, West Bengal.

TENDER NO : PSER:SCT:FKK-S1766:16

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-1A, IB, 1C, 1D, 1E , 1F, II and other tender sections (as applicable as per NIT) and shall have precedence over any contrary statement mentioned any where in this document. The tenderer shall sign & stamp all the pages of the tender document as a token of their acceptance. Submission of unfilled formats with sign & stamp shall be construed as acceptance of the contents of the same.
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 guidance/ tender purposes giving some idea of the work involved. The work is to be executed as per terms & conditions of the tender and actual 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 service 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. The rates of unit rate/optional items shall remain valid till execution of the order, if the job/work is awarded to the bidder.
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.

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PREAMBLE

12	The tenderer 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 before submission of his bid/offer.No claim whatsoever due to lack of knowledge of site conditions shall be entertained after award of the work.
13	No splitting of the job is envisaged unless the same is specifically indicated in the TCC/Vol-1F. 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/alterd 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.The same modality shall be applicable for other item rate sevice contracts where item with same decription is repeated in different schedules.
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 CPWD/PWD/DSR schedule as prescribed in the tender/BOQ cum Rate Schedule. PVC/escalation is not payable for these Non-scheduled items.
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. No idling charge whatsoever (either for labour or any other resources) is payable by BHEL for any reason whatsoever.
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 shall be considered for evaluation unless stated otherwise.
22	In case of BOP packages, if Bidder does not quote/indicate the price for freight chagses 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.

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Material handling; dismantling of existing C&I system and erection, Testing, Commissioning & PG test of new C&I system at U#5 and common system area for U#4 & U#5 at 2x500MW NTPC Farakka, West Bengal.

TENDER NO : PSER:SCT:FKK-S1766:16

MAIN PRICE

Sl.No.	Description	All Inclusive Total Price excluding KRISHI KALYAN CESS (Rs)
1.0	PRICE FOR MATERIAL HANDLING (SCH-I), DISMANTLING OF OLD C&I SYSTEM (SCH-II) AND TRANSPORTATION FROM STORE TO SITE, ERECTION, TESTING, CALIBRATION AND COMMISSIONING OF GIVEN ITEMS (SCH-III) FOR UPGRADATION OF DDCMIS AT UNIT #5 AND COMMON AREA FOR U#4 AND U#5, FARAKKA STPS.	

NOTES

01	Price Quoted shall be inclusive of all taxes & duties as per TCC
02	Bidder to note that total total price indicated above at sl. no. 1.0 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions of the tender.
03	Bidder to furnish break-up of total price (1.0) in corresponding following schedules . In case, price indicated above does not match with item wise break-up given at respective scedule , the highest price so calculated shall be considered for evaluation but in case of order, the same shall be placed at the lowest price in line with GCC.
04	<u>All inclusive Total Price excluding KRISHI KALYAN CESS at sl no 5.00 MAIN PRICE BREAK-UP of Price Schedule, VOL-III shall match with all inclusive total price excluding KRISHI KALYAN CESS at sl no 1.0 of MAIN PRICE above.</u>

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MAIN PRICE BREAK-UP

Sl. No.	Item Ref. no.	Description	Qty	Unit	Rate per Unit (Rs.)	Amount (Rs)
1.0		SCH-I: MATERIAL HANDLING				
1.01	PSER.01.01	Receipt, weighment, unloading, inspection, placement in Store/Designated place, reshifting, materials record keeping and reconciliation of material sent by Manufacturing units for Unit #5 and common system area of U#4 & U#5	100	MT		
2.0		SCH-II: DISMANTLING OF OLD C&I SYSTEM				
2.01	PSER.02.01	Dismantling of existing C&I and associated system including metallic and non-metallic hardwares as required for installation of the new instruments, cable, trays, panels etc as directed by BHEL, transportation of the same on weighment basis to the designated places as directed by NTPC Farakka / BHEL.	300	MT		
3.0		SCH-III: TRANSPORTATION FROM STORE TO SITE, ERECTION, TESTING, CALIBRATION AND COMMISSIONING OF FOLLOWING ITEMS				
		A: CONTROL ROOM PANELS				
3.01	PSER.03.01.01	Suite of single panel [dimension (approx) : 750 mm x 750 mm x 2415 mm, weight (approx): 550 Kgs]	15	No.		
3.02	PSER.03.01.02	Suite of two panels [dimension (approx) : 1500 mm x 750 mm x 2415 mm, weight (approx): 1100 Kgs]	25	No.		
3.03	PSER.03.01.03	Suite of three panels [dimension (approx) : 2250 mm x 750 mm x 2415 mm, weight (approx):1650 Kgs]	16	No.		
3.04	PSER.03.01.04	Suite of four panels [dimension (approx) : 3000 mm x 750 mm x 2415 mm, weight (approx):2200 Kgs]	4	No.		
3.05	PSER.03.01.05	Suite of five panels [dimension (approx) : 3750 mm x 750 mm x 2415 mm, weight (approx):2750 Kgs]	2	No.		
		B: Control Room Equipments(HMI accessories and furnitures)				
3.06	PSER.03.02.01	Network panel-NWPD01	1	Set		

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MAIN PRICE BREAK-UP

Sl. No.	Item Ref. no.	Description	Qty	Unit	Rate per Unit (Rs.)	Amount (Rs)
3.07	PSER.03.02.02	Network panel-NWPD02	1	Set		
3.08	PSER.03.02.03	Power Distribution Panel -PDNL01	1	Set		
3.09	PSER.03.02.04	MAX Operator Workstation	5	Nos		
3.10	PSER.03.02.05	MAX Operator Workstation (For UID)	1	No		
3.11	PSER.03.02.06	Max Operator Workstation for LVS with External Speakers	5	Nos		
3.12	PSER.03.02.07	Max Links Workstation (OPC Server)	1	No		
3.13	PSER.03.02.08	Programmer cum documentation station	3	Nos		
3.14	PSER.03.02.09	Information Workstations	2	Nos		
3.15	PSER.03.02.10	Line Impact Dot Matrix Printer Heavy Duty	1	No		
3.16	PSER.03.02.11	Colour Laserjet Printer - A3 Size	1	No		
3.17	PSER.03.02.12	KVM Matrix Switch (for Programmer Room server, workstation Multiplexing)	2	Nos		
3.18	PSER.03.02.13	KVM Switch (For Operator Keyboard Multiplexing)	5	Nos		
3.19	PSER.03.02.14	PC Stations with A4 Color Laser Printer	2	Nos		
3.20	PSER.03.02.15	MAX Operator Workstation (For Unit-5 Bottom Ash Handling System)	1	No		
3.21	PSER.03.02.16	Network Enclosure for For Unit-5 Bottom Ash Control Room - NWEN04 U5 BA	1	Set		
3.22	PSER.03.02.17	Programmer cum documentation station	1	No		
3.23	PSER.03.02.18	Information Workstations	2	Nos		
3.24	PSER.03.02.19	MAX Operator Workstation (For CSSAEP System)	1	No		
3.25	PSER.03.02.20	MAX Operator Workstation (For CW Pump House)	2	Nos		
3.26	PSER.03.02.21	Network Enclosure(For CW Pump House) - NWEN09-SA CW	1	Set		
3.27	PSER.03.02.22	Colour Laserjet Printer - A4 Size (For CWPH Area)	1	No.		
3.28	PSER.03.02.23	MAX Operator Workstation (For Air Compressor Area)	1	No		
3.29	PSER.03.02.24	Colour Laserjet Printer - A4 Size (For Air Compressor Area)	1	No		
3.30	PSER.03.02.25	MAX Operator Workstation (For CPU Regeneration Area)	1	No		
3.31	PSER.03.02.26	LVS (5 screens of 67") with Accessories including master control unit	1	Lot		
3.32	PSER.03.02.27	Workstation Furniture & PC Rack	1	Lot		

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MAIN PRICE BREAK-UP

Sl. No.	Item Ref. no.	Description	Qty	Unit	Rate per Unit (Rs.)	Amount (Rs)
3.33	PSER.03.02.28	Computer Furniture (Table ,Chair)	1	Lot		
3.34	PSER.03.02.29	Furniture for PADO computer Hardware	1	Lot		
3.35	PSER.03.02.30	Computer hardware , Accessories for PADO	1	Lot		
3.36	PSER.03.02.31	Unit Control Desk (Including C&I and Electrical Drawout consoles)	1	Lot		
3.37	PSER.03.02.32	Open Type Desk, 2m length for UIDs	1	SET		
3.38	PSER.03.02.33	Open Type Desk, 2m length for CWP	1	SET		
3.39	PSER.03.02.34	Open Type Desk, 2m length for Air Compressor Area	1	SET		
3.40	PSER.03.02.35	Mini UPS	25	Nos		
3.41	PSER.03.02.36	HART Management System (contains 4 numbers of cubicals)	1	Set		
3.42	PSER.03.02.37	UTP Cable	12000	Mtr		
		C: ELECTRICAL SYSTEMS				
3.43	PSER.03.03.01	24 V DC Power System (B-type configuration) for Common loads of CWP AREA (Comprising of 2x100% Charger + 2x100% DCDB + one BHMS)	1	Set		
3.44	PSER.03.03.02	NiCad BATTERIES FOR 24V DC POWER SUPPLY SYSTEM (B-type configuration) for Common loads of CWP AREA (consists of 2x100% banks)	1	Set		
3.45	PSER.03.03.03	24 V DC Power System (B-type configuration) for Common loads of COMPRESSOR + CPU (Comprising of 2x100% Charger + 2x100% DCDB+ one BHMS)	1	Set		
3.46	PSER.03.03.04	NiCad BATTERIES FOR 24V DC POWER SUPPLY SYSTEM (B-type configuration) for Common loads of COMPRESSOR + CPU (consists of 2x100% banks, one Discharge Resist bank)	1	Set		
3.47	PSER.03.03.05	24 V DC Power System (B-type configuration) for UNIT SG and TG DDCMIS (Inclusive of 2x100% Charger + 2x100% DCDB and one BHMS)	1	Set		
3.48	PSER.03.03.06	NiCad BATTERIES FOR 24V DC POWER SUPPLY SYSTEM (B-type configuration) FOR SG and TG DDCMIS (consists of 2x100% banks , one Discharge Resistor bank)	1	Set		

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MAIN PRICE BREAK-UP

Sl. No.	Item Ref. no.	Description	Qty	Unit	Rate per Unit (Rs.)	Amount (Rs)
3.49	PSER.03.03.07	24 V DC Power System (B-type configuration) for UNIT BOP DDCMIS (Inclusive of 2x100% Charger + 2x100% DCDB and one BHMS)	1	Set		
3.50	PSER.03.03.08	NiCad BATTERIES FOR 24V DC POWER SUPPLY SYSTEM (B-type configuration) FOR Unit BOP DDCMIS (consists of 2x100% banks)	1	Set		
3.51	PSER.03.03.09	UPS System (7.5 kVA) for CW CR of type-B configuration (comprises of 1x100% Inverters, 1x100% Chargers, 1x100% SCVS, 2x100% ACDB, 1x100% Manual ByPass Switch)	1	Set		
3.52	PSER.03.03.10	UPS Battery of type B configuration for CW CR with 1x100% Manual Discharge resistor bank	1	Set		
3.53	PSER.03.03.11	UPS (110 kVA) of A-type configuration (comprises of 2x100% Inverters, 2x100% Chargers, 1x100% SCVS, 2x100% ACDB, 1x100% Manual ByPass Switch, one BHMS For 1X100% Ni-Cd Battery.)	1	Set		
3.54	PSER.03.03.12	NiCad Batteries for UPS of A-type configuration	1	Set		
3.55	PSER.03.03.13	TRANSDUCERS Erection with all accessories & wiring.	250	Nos		
3.56	PSER.03.03.14	24V DC pick up relay Erection with all accessories & wiring.	600	Nos		
		D: FIELD INSTRUMENTS AND EQUIPMENTS				
3.57	PSER.03.04.01	TEMPERATURE ELEMENTS (RTD 's)	15	Nos		
3.58	PSER.03.04.02	DIN RAIL MOUNTED TEMP. TRANSMITTERS	1170	Nos		
3.59	PSER.03.04.03	DUAL I/P TEMP. TRANSMITTERS	200	Nos		
3.60	PSER.03.04.04	PRESSURE TRANSMITTERS	200	Nos		
3.61	PSER.03.04.05	DIFFERENTIAL PRESSURE TRANSMITTERS	50	Nos		
3.62	PSER.03.04.06	RADAR TYPE LEVEL TRANSMITTERS	13	Nos		
3.63	PSER.03.04.07	Slave Clock	10	Nos		
3.64	PSER.03.04.08	AIR FILTER REGULATOR	50	Nos		
3.65	PSER.03.04.09	Electrical Actuator for ID / FD / PA Fans	6	Nos		

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MAIN PRICE BREAK-UP

Sl. No.	Item Ref. no.	Description	Qty	Unit	Rate per Unit (Rs.)	Amount (Rs)
3.66	PSER.03.04.10	FURNACE FLAME CAMERA SYSTEM (2 CAMERAS) alongwith accessories- cables of different sizes appx. 1500 mtr. +20% (12C x 0.5sqmm, 12C x 1.5sqmm, 24C x 1.5sqmm, 2P x 0.5sqmm, 3C x 2.5sqmm, coaxial cable-RG59)	1	Set		
3.67	PSER.03.04.11	E&C of Scanners (96 nos.) alongwith accessories- 2 numbers of cubicles, JB's, Interface module	1	Lot		
3.68	PSER.03.04.12	12C x 0.5 Sq.mm Cable (Flame scanners cable)	12000	Mtrs.		
3.69	PSER.03.04.13	HT O2 Analysers	2	Set		
3.70	PSER.03.04.14	Vibration Monitoring System- IMPORTED alongwith panel, sensors, etc	1	Set		
3.71	PSER.03.04.15	Vibration Monitoring System- INDIGENOUS alongwith all Cables, JB, mounting brackets, etc	1	Set		
3.72	PSER.03.04.16	TSI(TSS IMPORTED PORTION) alongwith panel, sensors, etc	1	Set		
3.73	PSER.03.04.17	TSI(TSS INDIGENOUS PORTION) alongwith accessories like Cables, JB etc	1	Set		
		E: SWAS ANALYSERS (including all piping and all SS tube)				
3.74	PSER.03.05.01	SWAS Sample Handling system (consisting of Primary Rack / Wet Panel / Dry Panel / Chiller Unit)	1	No		
3.75	PSER.03.05.02	PH Analyser / Meter	4	Nos		
3.76	PSER.03.05.03	Conductivity Meter(Single Channel)	10	Nos		
3.77	PSER.03.05.04	Sodium Analyser (Three Channels)	1	No		
3.78	PSER.03.05.05	Silica Analyser (Three Channels)	1	No		
3.79	PSER.03.05.06	Phosphate Analyser (Three Channels)	1	No		
3.80	PSER.03.05.07	DO Analyser (Single Channel)	2	Nos		
3.81	PSER.03.05.08	Chloride Analyser (Single Channel)	1	No		
3.82	PSER.03.05.09	Primary water dissolved O2 Analyser	1	No		
3.83	PSER.03.05.10	Hot well conductivity	2	Nos		

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MAIN PRICE BREAK-UP

Sl. No.	Item Ref. no.	Description	Qty	Unit	Rate per Unit (Rs.)	Amount (Rs)
		F.1: INSTRUMENT & POWER CABLES LAYING & TERMINATION Vendor has to arrange double compression Cable glands as required, Lugs, Cable dressing materials and ferrule printed on generic tube for cable dressing and termination. Cable Tags at 5m interval to be provided compulsorily.				
3.84	PSER.03.06.01	INSTRUMENTATION CABLES-'F' TYPE 4 PAIR	115000	Mtr		
3.85	PSER.03.06.02	INSTRUMENTATION CABLES-'F' TYPE 8 PAIR	65000	Mtr		
3.86	PSER.03.06.03	INSTRUMENTATION CABLES-'F' TYPE 12 PAIR	15000	Mtr		
3.87	PSER.03.06.04	INSTRUMENTATION CABLES-'F' TYPE 16 PAIR	11000	Mtr		
3.88	PSER.03.06.05	INSTRUMENTATION CABLES-'F' TYPE 24 PAIR	15000	Mtr		
3.89	PSER.03.06.06	INSTRUMENTATION CABLES-'G' TYPE 4 PAIR	120000	Mtr		
3.90	PSER.03.06.07	INSTRUMENTATION CABLES-'G' TYPE 8 PAIR	54000	Mtr		
3.91	PSER.03.06.08	INSTRUMENTATION CABLES-'G' TYPE 12 PAIR	65000	Mtr		
3.92	PSER.03.06.09	INSTRUMENTATION CABLES-'G' TYPE 24 PAIR	30000	Mtr		
3.93	PSER.03.06.10	2Cx10 Sqmm, Al, Unarmoured	5000	Mtr		
3.94	PSER.03.06.11	3Cx16 Sqmm, Al, Unarmoured	1250	Mtr		
3.95	PSER.03.06.12	3Cx35 Sqmm, Al, Unarmoured	10000	Mtr		
3.96	PSER.03.06.13	1Cx35 Sqmm, Al, Unarmoured	8000	Mtr		
3.97	PSER.03.06.14	1Cx120 Sqmm, Al, Unarmoured	10000	Mtr		
3.98	PSER.03.06.15	2Cx70 Sqmm, Al, Unarmoured	12000	Mtr		
3.99	PSER.03.06.16	1Cx630 Sqmm, Al, Unarmoured	1200	Mtr		
3.100	PSER.03.06.17	2Cx2.5 Sqmm, Copper, Unarmoured	1500	Mtr		
3.101	PSER.03.06.18	2Cx1.5 Sqmm, Copper, Unarmoured	8500	Mtr		
3.102	PSER.03.06.19	3Cx1.5 Sqmm, Copper, Unarmoured	18000	Mtr		
3.103	PSER.03.06.20	4Cx1.5 Sqmm, Copper, Unarmoured	10000	Mtr		
3.104	PSER.03.06.21	7Cx2.5 Sqmm, Copper, Unarmoured	8000	Mtr		
3.105	PSER.03.06.22	5Cx2.5 Sqmm, Copper, Unarmoured	16000	Mtr		

VOLUME-III
PRICE SCHEDULE, REV-01

Material handling; dismantling of existing C&I system and erection, Testing, Commissioning & PG test of new C&I system at U#5 and common system area for U#4 & U#5 at 2x500MW NTPC Farakka, West Bengal.

TENDER NO : PSER:SCT:FKK-S1766:16

MAIN PRICE BREAK-UP

Sl. No.	Item Ref. no.	Description	Qty	Unit	Rate per Unit (Rs.)	Amount (Rs)
3.106	PSER.03.06.23	10Cx1.5 Sqmm, Copper, Unarmoured	13000	Mtr		
3.107	PSER.03.06.24	16Cx1.5 Sqmm, Copper, Unarmoured	13000	Mtr		
		F.2: OPTICAL FIBER CABLE (cable laying to be done as per specification mentioned in TCC sl. No.3.D.04)				
3.108.1	PSER.03.06.25.01	4-Core OFC laying on separate cable trays employing GI conduits	12000	Mtr		
3.108.2	PSER.03.06.25.02	4-Core OFC laying through trench appx. 1.6 meter depth in HDPE conduits covered with sand, brick and soil along the pipe line route.	950	Mtr		
3.108.3	PSER.03.06.25.03	4-Core OFC: While crossing roads, to be laid in HDPE pipe with sand filling at the bottom and sand, soil filling at top with cement concrete; or in HDPE pipe through hume pipe, if already available at the crossings.	50	Mtr		
3.109.1	PSER.03.06.26.01	12-Core OFC laying on separate cable trays employing GI conduits	6000	Mtr		
3.109.2	PSER.03.06.26.02	12-Core OFC laying through trench appx. 1.6 meter depth in HDPE conduits covered with sand, brick and soil along the pipe line route.	950	Mtr		
3.109.3	PSER.03.06.26.03	12-Core OFC: While crossing roads, to be laid in HDPE pipe with sand filling at the bottom and sand, soil filling at top with cement concrete; or in HDPE pipe through hume pipe, if already available at the crossings.	50	Mtr		
		G: Conduits and Impulse pipes (including elbow and reducer as per requirement)				
3.110	PSER.03.07.01	1", 25mm Rigid Conduits	300	Mtr		
3.111	PSER.03.07.02	2", 50mm Rigid Conduits	1000	Mtr		
3.112	PSER.03.07.03	3/4", 18mm Flexible Conduits	600	Mtr		
3.113	PSER.03.07.04	1", 25mm Flexible Conduits	500	Mtr		
3.114	PSER.03.07.05	IMPULSE PIPE ASTM A335 P91 GR C 1/2" NB SCH XXS	50	Mtr		
3.115	PSER.03.07.06	IMPULSE PIPE ASTM A335 P91 GR C 1/2" NB SCH 160	30	Mtr		
3.116	PSER.03.07.07	IMPULSE PIPE ASTM A106 GR C 1/2" NB SCH 160	100	Mtr		
3.117	PSER.03.07.08	IMPULSE PIPE ASTM A106 GR C 1/2" NB SCH 80	200	Mtr		
3.118	PSER.03.07.09	IMPULSE PIPE ASTM A106 GR C 1" NB SCH 80	20	Mtr		

VOLUME-III
PRICE SCHEDULE, REV-01

Material handling; dismantling of existing C&I system and erection, Testing, Commissioning & PG test of new C&I system at U#5 and common system area for U#4 & U#5 at 2x500MW NTPC Farakka, West Bengal.

TENDER NO : PSER:SCT:FKK-S1766:16

MAIN PRICE BREAK-UP

Sl. No.	Item Ref. no.	Description	Qty	Unit	Rate per Unit (Rs.)	Amount (Rs)
3.119	PSER.03.07.10	IMPULSE PIPE ASTM A106 GR C 3/4" NB SCH 80	300	Mtr		
3.120	PSER.03.07.11	IMPULSE PIPE ASTM A335 P22 3/4" NB 80 Sch	80	Mtr		
3.121	PSER.03.07.12	IMPULSE PIPEASTM A213 TP316H SIZE: 3/4" NB SCH 80	300	Mtr		
3.122	PSER.03.07.13	IMPULSE PIPE ASTM A213 TP316H SIZE:3/4" NB SCH 160	200	Mtr		
3.123	PSER.03.07.14	Material: ASTM A106 Gr.C/ ASTM A105Size: 88.90 OD X 12 mm Thick	10	Nos		
3.124	PSER.03.07.15	Material: ASTM A106 Gr.C/ ASTM A105Size: 88.90 OD X 7.6 mm Thick	6	Nos		
		H: Cable Trays (All cable trays are to be erected with earthing strips)				
3.125	PSER.03.08.01	CABLE SUBTRAYS- 2", 50mm (W)	1500	Mtr		
3.126	PSER.03.08.02	CABLE SUBTRAYS- 4", 100mm (W)	1000	Mtr		
3.127	PSER.03.08.03	CABLE SUBTRAYS- 6", 150mm (W)	1000	Mtr		
3.128	PSER.03.08.04	CABLE TRAYS- 300mm Perforated (W)	2000	Mtr		
3.129	PSER.03.08.05	CABLE TRAYS- 600mm Perforated(W)	2100	Mtr		
3.130	PSER.03.08.06	CABLE TRAYS LADDER- 150 mm (W)	1000	Mtr		
		I: JB's and Enclosures (all JB's should be properly locked after erection and termination)				
3.131	PSER.03.09.01	12 Way JB	60	Nos		
3.132	PSER.03.09.02	24 Way JB	40	Nos		
3.133	PSER.03.09.03	48 Way JB	20	Nos		
3.134	PSER.03.09.04	TT JB's	140	Nos		
3.135	PSER.03.09.05	LIE	12	No		
3.136	PSER.03.09.06	LIR	13	No		
3.137	PSER.03.09.07	TT Enclosure	55	Nos		
		J: Miscellaneous jobs				
3.138	PSER.03.10.01	Fabrication of deck/instrument stand/ instrument board, cable tray support, JB stand, fabrication of instrument panel board etc. along with painting of the support structures.	30	MT		
3.139	PSER.03.10.02	CIVIL WORK AGAINST DISMANTLING OF PANELS (Vendor has to dismantle the panels by uprooting the old panel frames from control room floor, depth 75 - 100 mm)	700	Running meter		

VOLUME-III
PRICE SCHEDULE, REV-01

Material handling; dismantling of existing C&I system and erection, Testing, Commissioning & PG test of new C&I system at U#5 and common system area for U#4 & U#5 at 2x500MW NTPC Farakka, West Bengal.

TENDER NO : PSER:SCT:FKK-S1766:16

MAIN PRICE BREAK-UP

Sl. No.	Item Ref. no.	Description	Qty	Unit	Rate per Unit (Rs.)	Amount (Rs)
3.140	PSER.03.10.03	Electronic Earth Pit(Including all earthing materials and accessories)	5	Nos		
3.141	PSER.03.10.04	Cleaning/painting of LIE/LIR and old impulse pipe inside LIE/LIR.	100	Nos		
4.0		Total Amount (without Service Tax)				
4.01		Service Tax with SWACHH BHARAT CESS '@14.50%				
5.0		All inclusive Total Price excluding KRISHI KALYAN CESS				
Note	1) KRISHI KALYAN CESS shall be paid extra as per taxes & duties caluse (cl. No.19, TCC)					
	2) The "Sub-Total (for Material Handling Part)" at sl. no. 1.01 shall not be more than 20% of the Total Price (SH-I + SH-II + SH-III) at sl. no. 4.00					

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	Material handling; dismantling of existing C&I system and erection, Testing, Commissioning & PG test of new C&I system at U#5 and common system area for U#4 & U#5 at 2x500MW NTPC Farakka, West Bengal.	
Ref	01	Tender no PSER:SCT: FKK-S1766:16.
	02	BHEL's NIT, vide reference no PSER:SCT:FKK-S1766:5182 , Dated 25-08-2016
	03	BHEL's TCN-01, vide reference no PSER:SCT:FKK-S1766:TCN-01, dated 12-09-2016.
	04	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 offer in accordance with tender instructions 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, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796