



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 02

Ref: PSER:SCT: KLN-C1795:TCN-02

Date: 12-04-2017

Sub	Tender Change Notice (TCN) - 02.	
Job	Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.	
Ref	1.0	Tender no PSER:SCT:KLN-C1795:16.
	2.0	BHEL's NIT, vide reference no PSER:SCT: KLN-C1795:5589 Date: 24-03-2017.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:KLN-C1795:TCN-01 Date: 10-04-2017
	4.0	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 BOQ cum price schedule format VOL-III- PRICE SCHEDULE, REV-01 superseding VOL-III PRICE SCHEDULE, REV-00 issued earlier along with NIT.
Bidders are requested to submit their offer as per revised BOQ/Price Schedule (Rev-01) only and quote their price accordingly. Offer from bidders in superseded price schedule (Vol-III, Price schedule-REV-00) shall not be considered. Bidders are also requested to submit a declaration in techno-commercial offer that they have submitted their price bid in sealed envelope as per **REVISED price schedule** format (VOL-III- PRICE SCHEDULE, REV-01).
2. Revised 'No deviation certificate' is attached. Bidder to submit '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

Sr.Engineer (SCT)

Encl: As Above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

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<p style="text-align: center;">VOLUME-III PRICE SCHEDULE, REV-01</p>	
<p style="text-align: center;">JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.</p>	
<p style="text-align: center;">TENDER NO PSER:SCT:KLN-C1795:16</p>	
SL NO	PREAMBLE DESCRIPTION
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 various volumes of tender and other tender sections as applicable and shall have precedence over any contrary statement mentioned anywhere 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 plus minus 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.
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 BPWD 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 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.

VOLUME-III PRICE SCHEDULE, REV-01			
JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.			
TENDER NO PSER:SCT:KLN-C1795:16			
SCH-1 : TOTAL PRICE			
SL NO	DESCRIPTION	PRICE SCHEDULE REF	TOTAL QUOTED PRICE (IN USD)
1.0	Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.	SCH 2 - BREAK UP OF TOTAL PRICE	IN FIGURES:- IN WORDS:-
2.0	NON-SCHEDULE ITEM Quote % above or % below or at par for items not covered as above of this schedule. The rate shall be derived from Schedule of Rates 2014, PWD, Govt. of Bangladesh		
a)	Rate of complete item	_____ % above/ _____ % below /At par BPWD Rate Schedule 2014	
b)	Rate of supply of material at site only	_____ % above/ _____ % below /At par BPWD Rate Schedule 2014	
c)	Rate for execution complete excluding supply of materials.	_____ % above/ _____ % below /At par BPWD Rate Schedule 2014	
NOTE			
1.0	Bidder shall quote total price for total price of SCH-1- Part only at sl no 1 above. All other amounts/ rates of each item of works in respective schedules/ parts will be derived based on allocated percentages. As such, any uncalled figure/ amount noted at any other place/ schedule of Volume-III will not be reckoned & will stand null & void.		
2.0	Bidder to note that total price at sl no 1.0 above shall be considered for evaluation & awarding. As such grand total price should be complete in all respect for the full scope defined and considering all terms and conditions.		
3.0	Bidder to note that SCH-3 covers CIVIL PART of respective items, unless specified otherwise in the description of items.		
4.0	Bidder to note that SCH-4 covers ELECTRICAL PART of respective items, unless specified otherwise in the description of items.		
4.0	Bidder to note that SCH-5 covers INFORMATION TECHNOLOGY & COMMUNICATION PART of respective items, unless specified otherwise in the description of items.		
5.0	Bidder's quoted total price of SCH-3, SCH-4 & SCH-5 at Sl. no 1 above respectively shall be apportioned into amount of various items of works based on allocated percentages against respective item, in respective schedules/ parts. As such, bidder shall not indicate/ quote any amount/ rate in these schedules/ parts and any amount/ rate quoted against any item shall not be taken into cognizance/ account and offer may be liable for rejection.		
6.0	Based on the itemwise 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 item after rounding off.		
7.0	Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed at the unit rate arrived at as per Sl No.8 above.		
8.0	Unit rates of each item of works of respective schedules/ parts will be derived by dividing derived amount by corresponding quantities. In deriving the unit rates of each item in this manner, figures only upto 2 decimal places will be taken into account. Any adjustment, if required, due to such methodology, will be effected in final bill.		
9.0	Successful bidder shall draw a schedule of quantities of various items of work of SCH-3 and obtain BHEL's approval/ clearance in writing before procurement, supply, etc.		
10.0	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.		
11.0	Price format shall not be changed by bidder in any case and it may lead to cancellation of their offer.		
12.0	The quantity of items may vary during execution mainly due to actual requirement etc. The unit rates work out from the overall amount quoted & accepted by BHEL shall be considered and no separate unit rates shall be allowed. Unit rates shall be valid throughout the contract period.		
13.0	For payment of non schedule items, the rate shall be derived from Schedule of Rates 2014, PWD, Govt. of Bangladesh.		

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

JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.

TENDER NO PSER:SCT:KLN-C1795:16

SCH-2 : BREAK UP OF TOTAL PRICE OF SCH- 1

SL NO	DESCRIPTION	PRICE SCHEDULE REF	WEIGHTAGE OF SCH 3, SCH 4 & SCH 5 (Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
1.0	Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.		
a	CIVIL PART	SCH 3 - CIVIL	0.923177853
b	ELECTRICAL PART	SCH 4 - ELECTRICAL	0.070527151
c	INFORMATION TECHNOLOGY & COMMUNICATION	SCH 5-INFORMATION TECHNOLOGY	0.006294996
2.0	GRAND TOTAL(1a + 1b + 1c)		1.000000000

VOLUME-III PRICE SCHEDULE, REV-01				
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TENDER NO PSER:SCT:KLN-C1795:16				
SCH-03 (CIVIL WORK)				
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
100 EARTH WORK				
	Earth work In excavation, backfilling and disposal including necessary men/women, materials, equipment, loading, transportation, unloading, dewatering etc as per specification, drawing and as directed by engineer- in-charge for the following.			
A101	Earth work in excavation in all types of soil including ash which can be excavated by any means including setting out, levelling, dewatering (but excluding special type of dewatering viz. well point method), shoring & strutting (wherever required), dressing the sides & bottom, all lifts, ramming/compacting the excavated bottom, stacking, disposal of surplus excavated materials within a lead upto 500 m, spreading/levelling of disposed materials etc all complete for following depths below ground level.			
a	Depth from ground level but not exceeding 2 m	CUM	17020	0.006397587
b	Depth exceeding 2 m but not exceeding 4 m	CUM	17020	0.008700718
c	Depth exceeding 4 m but not exceeding 6 m	CUM	851	0.000566186
A107	Back filling upto any depth below ground level around foundations, plinths, trenches, drains etc to proper grade and level in layers not exceeding 250 mm compacted thickness using/with selected approved materials from compulsorily excavated soil available within a lead upto 500m and compacted as specified including re-excavation of stacked earth, watering, ramming/compaction by manual/mechanical means, dressing etc all complete for the following.			
e	Each layer compacted so as to achieve at least 85% relative density as per ASTM D-4253 & ASTM D-4254	CUM	25400	0.007351587
A108	Back filling upto any depth below ground level around foundations, plinths, trenches, drains etc to proper grade and level in layers not exceeding 250 mm thickness using/with selected materials directly from excavation and compacted as specified including watering, ramming/compaction by manual/mechanical means, dressing etc all complete for the following.			
e	Each layer compacted so as to achieve at least 85% relative density as per ASTM D-4253 & ASTM D-4254	CUM	7000	0.001368227
A109	Extra over ST No. A101 and A107 for carriage of excavated earth/selected materials for every 1 km or part thereof beyond an initial lead of 500m.	CUM	2096	0.012891362
200 CONCRETE WORKS				
	Providing and placing concrete work including cost of labour, materials and equipment for handling, transportation, batching, mixing, placing, vibrating and curing, (excluding cost of centering, shuttering and reinforcement) with mechanised equipments like batching plant, transit mixer, concrete pump etc. complete as per drawing, specifications and as per direction of engineer in charge for the following.			0.000000000
AA203	Concrete of grade C12/15 as per BS EN-206 and BS 8500 or equivalent international standard (with well graded picked jhama birck chips conforming to ASTM C33 including breaking chips and screening) as lean concrete, levelling course, mud mat under and around foundations/floors at any depth below finished floor level etc.	CUM	840	0.017836212
A205	Providing and laying Design Mix cement concrete conforming to BS EN-206 and BS 8500 or equivalent international standard for reinforced concrete works with coarse sand and graded hard stone aggregate of 20mm nominal size in foundations/substructure, grade slab, paving, drains, under floors etc at any level below finished floor level, any shape, position or thickness etc complete including use of plasticizer/ superplasticizer conforming to BS EN 934 (latest) or equivalent international standard to achieve required slump in concrete all complete as per specification & drawing for the following.			
a	Grade C20/25	CUM	1136	0.033626218
c	Grade C30/37	CUM	1760	0.053746166
A206	Providing and laying Design Mix cement concrete conforming to BS EN-206 and BS 8500 or equivalent international standard for reinforced concrete works with coarse sand and graded hard stone aggregate of 20mm nominal size in superstructure at any level above finished floor level, any shape, position or thickness etc complete including use of plasticizer/ superplasticizer conforming to BS EN 934 (latest) or equivalent international standard to achieve required slump in concrete all complete as per specification & drawing for the following.			
c	Grade C30/37	CUM	2900	0.088559024
A212	Screed concrete conforming to relevant BS code or equivalent international code with coarse sand and graded hard stone aggregate 12.5mm/6 mm nominal size on the roof at any level or thickness, drains etc complete as per following.			
a	1:2:4 (1 part cement, 2 part sand, 4 parts of aggregate by volume)	CUM	535	0.011359968
A213	Providing and laying Design Mix cement concrete as per BS 8500 and BS EN 206 or equivalent International code for reinforced concrete works using graded aggregate for Concrete in precast works like roof slabs/trench covers, fins, lintels, chajjas, beams, columns, wall panels, facias etc.at all levels in all kinds of work including formwork/moulds, curing, rendering the top exposed surface with cement sand mortar (1:3), handling, storing, transpoting, all leads, erection without damage, setting in position with cement sand mortar (1:3), filling the gaps between adjacent precast units with concrete or cement sand mortar (1:3) and including making of holes for bolts for fixing, welding etc.complete with graded aggregate and as per specification and drawing for following grades.			
b	C 40/50 grade	CUM	4	0.000127303
300 FORM WORKS				
	Providing, fixing and removing formwork at any elevations for all structures, as per specifications and including all labour, material, scaffoldings and centering complete including pockets etc. complete as per drawing, specifications, relevant laws of Bangladesh, relevant BS Standards or Equivalent International standards approved by BIFPCL/BHEL and as per direction of engineer in charge for the following.			
A301	Fairface form work with good quality water proof ply wood (Plywood lining for form shall be of timber, which is resin bonded and water repellant) of required thickness, shape and smooth surface below finished ground floor level for foundations, footings, base of columns, walls, columns, pilasters, beams, mass concrete, trenches etc including providing 25mmx25mm chamfer at all exterior corners.	SQM	12906	0.014303073

VOLUME-III PRICE SCHEDULE, REV-01				
JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.				
TENDER NO PSER:SCT:KLN-C1795:16				
SCH-03 (CIVIL WORK)				
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
A302	Fairface form work with good quality water proof ply wood (Plywood lining for form shall be of timber, which is resin bonded and water repellant) of required thickness, shape and smooth surface above finished ground floor level for columns, beams, suspended floors, roofs, lintels, cantilevers, staircases, landings, balconies, domes, arches, circular overhead tanks etc. for all heights including rubbing the concrete surface with carborundum stone to make smooth finish and providing 25mmx25mm chamfer at all exterior corners.	SQM	23500	0.033952113
A304	Providing, fixing and removing formwork in block-outs/pockets and openings (below 0.1 sqm plan area) at all elevations including cutting, formation of all shapes and all other operations required for making the required shape and size all complete as per specification, drawing and instruction of engineer in charge.			
a	Upto 150 mm depth	Each	150	0.000208617
	400 REINFORCEMENT			0.000000000
402	Providing, straightening, cutting, bending, placing in position at any level, binding in position of steel reinforcements of grade B500B confirming to BS 4449:2005+A:2009 including cost of binding wire, labour, scaffolding, transportation to & from stores etc complete all as per specifications, drawings and as directed by Engineer.	MT	739	0.182236353
407	Providing, straightening, cutting, bending, placing in position at any level, binding in position high yield strength steel reinforcements in brickwork/Autoclave Aerated Concrete blocks including cost of reinforcement and binding wire, labour, scaffolding etc. complete all as per specifications & drawings.	MT	8	0.001972789
	500 WATER PROOFING WORKS			
	Water proofing works including all labour, material, equipment, transportation, handling, curing, sampling, testing etc at any level as per specification, drawings and as directed by engineer - in - charge.			
501	Providing and laying underbedded grading plaster with cement mortar 1:4 (1 cement : 4 sand) and average thickness of 15 mm including preparation of surface, batching, mixing, leveling etc. all complete.	SQM	9553	0.012887536
A502	Providing and laying rigid insulation (extruded polystyrene blocks) having maximum heat transmission coefficient of 0.45 W/(sqm K) as per relevant BS Code or equivalent international code in suitable panels over roofs and providing of expansion joint at intervals and filling with sealant in both directions as per the recommendation of manufacturer. The block shall be strong enough to withstand without deformation the workload and standard loads expected on the roof. Cost shall include making of fillets, cleaning & preparation of surface, expansion joints including filling with sealants at suitable intervals etc all complete as per specification for following. All insulation used should be CFC & HCFC free.			
a	Average 75 mm thickness	SQM	9553	0.032644028
506	Providing and applying PU based water proofing treatment with one coat of polyurethane or any other equivalent material based primer with an application rate of minimum 6 sq.m per litre and two successive liquid coatings of high solids content urethane pre-polymers or equivalent material based finish coats as per relevant ASTM standards to form an elastomeric membrane with overall dry film thickness 1.5 mm subject to minimum 500 gm/sqm/coat application rate. Item includes surface preparation, polyscrim cloth /fabric for edges, joints & vulnerable points etc all complete as per specifications and directions of engineer in charge.	SQM	9553	0.025459077
507	Providing and laying wearing course consisting of 25mm thick plain cement concrete (1 part cement, 2 part sand, 4 parts of aggregate by volume) with graded aggregate of 12.5mm size cast in panels of maximum size 1.2mx1.2m and reinforced with 0.56 mm dia. galvanised chicken wire mesh and sealing of joints (in grooves of 6mm X 6mm) using polysulphide compound etc all complete.	SQM	2478	0.002775711
508	Providing and laying cement concrete chequered flooring tiles of 22 mm thickness and size 250x250 mm / 300x300 mm conforming to relevant BS or equivalent international code with 8 mm thick 1:4 cement mortar over the top most layer of roofing treatment in pathway and entire equipment area with fine joints including sealing of joints (polysulphide sealant) etc all complete. (Water proofing paid elsewhere)	SQM	7075	0.014546899
A509	Providing and applying two coats of bitumen of suitable grade as per relevant BS or equivalent international code @ 1.7kg/sqm with 1% antistripping compound in foundation, wall, column etc on concrete surfaces exposed to soil / ash including surface preparation etc. all complete.	SQM	12906	0.007179762
	600 JOINTS AND FILLERS			
	Joints & fillers including all labour, material, equipment, transportation, handling etc at any level as per specification, drawings and as directed by engineer - in - charge.			
601	Supplying & installation of bitumen impregnated fibre board confirming to relevant BS code or equivalent international code as joint filler at joints in concrete including nailing, coating of both faces with coal tar pitch/bitumin etc. all complete.			
c	25 mm wide joints	SQM	11	0.000063109
602	Providing and applying polysulphide based sealant conforming to relevant BS code or equivalent international code in expansion joints in concrete including cleaning of joints, raking out groove, application of primer, scaffolding etc. all complete (The sealant should have VOC content limited to 250 grams per litre) for following size grooves:			
c	25mmX25mm	RM	35	0.000052098
	700 MS EMBEDMENTS			
	Embedments including all labour, material, equipment, transportation, handling etc. at any level as per specification, drawings and as directed by engineer - in - charge.			
701	Supply, fabricating and fixing of mild steel embedments, inserts, pipe sleeves, angle pieces, rungs of various diameters, plates of dimensions as required etc. including welding, bolting, cutting, drilling, scaffolding, setting etc. all complete.	MT	2	0.000725290
	900 DOORS, WINDOWS, VENTILATORS, LOUVERS			
	Doors, windows, ventilators, louvers, roof ventilators, rolling shutters, partitions including all labour, material, equipments, transportation, handling, preparation of working drawings etc. at any level as per specification, drawings and as directed by engineer - in - charge.			

VOLUME-III PRICE SCHEDULE, REV-01				
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TENDER NO PSER:SCT:KLN-C1795:16				
SCH-03 (CIVIL WORK)				
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
901	Providing and fixing wooden frame conforming to relevant BS standard or Bangladesh National Building Code or equivalent International standard made of best quality seasoned CP teakwood free from large or loose knots, cracks or other defects including sand paper smoothening, hold fasts, beading, primer and finish painting / polishing etc. all complete with proper wood joinery, accurately set to required lines or levels and rigidly secured in place.	CUM	11	0.005351989
903A	Providing, fitting and fixing solid core flush door shutter as per relevant BS standard or Bangladesh National Building Code or equivalent International standard, 35mm thick pre-laminated homogenous particle board bonded with BWP type phenolformaldehyde synthetic resin, particle board core conforming to relevant BS standard or Bangladesh National Building Code or equivalent International standard, 35x12 mm thick teakwood beading all around including preparation of working drawings. godrej or equivalent make mortice lock with handles on both sides, approved anodised fittings like door stopper, 300mm long tower bolts, 16x300mm long aldrops, 125mm long handles on both sides etc. butt hinges, sliding bolt, knobs, (all fittings shall be anodised aluminium color dyed), screws etc. all complete as per drawing, specification and instruction of engineer in charge. with commercial faces and teak wood edges.	SQM	544	0.011667867
905	Providing and fixing single or double steel door shutters with 18 gauge M.S. sheets shutter presenting a flush surface on the outside and inside stiffened with semitubular edge and central stiffening rail which shall convey the lock including fixtures. Godrej or equivalent make mortice lock with handle on both sides, shop and final painting etc all complete as per specification.	SQM	57	0.001061162
A909	Providing and fixing anodised aluminium work of Jindal, Hindalco or other equivalent approved make for door frames, door, windows, ventilators, partitions, railing etc with extruded standard tubular and other sections including all fittings & fixtures and accessories of approved make conforming to relevant BS standard or equivalent international standard anodised and electro color dyed to required shade according to relevant BS standard or equivalent international standard (minimum anodic coating of grade AC15), fixed with rawl plugs, expansion fasteners, SS screws or with fixing clips, including necessary filling of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt for bi-metallic protection etc. including preparation of working drawings, aluminium cleat angle, aluminium snap-on-beading for glazing/panelling, stair case tread nosing, with all fittings and fixtures (like tower bolts, handles, door stopper with rubber shoes, 'L' drops, stays, floor springs, hydraulic door closures etc.), CP brass/stainless steel screws, providing and fixing hinges/pivots, and making provision for fixing of fitting wherever required including cost of PVC/neoprene gasket, all complete as per drawing, specification and instructions of engineer in charge (Glazing and panelling shall be paid separately). Weight of aluminium section only shall be measure.	Kg	7100	0.005505576
911	Providing and fixing of door closers as per relevant BS code or equivalent international code of approved make & quality all complete of following type :			
a	Over head hydraulic door closures	Each	96	0.000551380
A912	Providing and fixing pressed steel frames fabricated from 16 gauge M.S sheet mortised, reinforced drilled and tapped for hinges and locks bolts strikes, hold fasts adjustable floor anchors, floor tiles/weather bars, paintings etc all complete as per specifications.	Kg	750	0.000310106
914	Providing and fixing PVC Frame with PVC door Shutters (25 thk double skin) of sintex or equivalent make including all fitting & fixtures as per specification, drawing and instructions of engineer in charge.	SQM	111	0.001106087
915	Providing, fixing and fitting of glazing of first grade class in steel/aluminium/wooden frames, where ever required, cleaning after fixing including hardware, gaskets, clips, beadings etc. all complete.			
c	5.5 mm thick clear float glass	SQM	160	0.000445050
f	4 mm thick ground glass	SQM	69	0.000145761
hA	Two nos. 4 mm thick clear float glass hermetically sealed and separated by 16 mm thick air gap for thermal insulation (only single elevation area to be measured)	SQM	592	0.006107314
A915	Providing and fixing G.I. Mosquito Net of 1.5mm x 1.5mm x 27 Gauge of any size, any shape, any color in steel/Aluminium/wooden frames, where ever required, cleaning after fixing including hardware, gaskets, clips, beadings etc. all complete as directed by Engineer -in - Charge. (Frame cost is excluded and shall be paid separately in other item).	SQM	310	0.000339437
916	Supplying and fixing weather stripping of approved make and quality to doors as per instructions of engineer in charge and specification complete.	RM	144	0.000123411
917	Providing and fixing 12 mm thick BWP particle board , decorative veneer (prelaminated) on both sides, as panels in aluminium framed door shutter, fixed with necessary snap-on-beading etc. all complete (excluding aluminium works).	SQM	42	0.000281171
1000 BRICKWORK				
Brickwork masonry including all labour, material, equipment, transportation, handling, scaffolding etc. at all levels as per specification, drawings and as directed by engineer - in - charge.				
1001	Providing brick work in cement mortar 1:6 (1 part cement 6 parts coarse sand) in walls, chambers etc. in thickness varying from 230mm to 460mm at all depths, places and positions below plinth including raking out joints, curing, scaffolding etc. complete excluding plastering and painting.			
c	Using burnt clay bricks as per relevant BS code or equivalent international code with crushing strength of 75 Kg/cm2	CUM	3	0.000046363
1002	Providing brick work in cement mortar 1:6 (1 cement 6 coarse sand) in walls, chambers etc. in thickness 230mm at all heights, places and position above plinth including raking out joints, curing, scaffolding etc complete excluding plastering and painting.			
c	Using burnt clay bricks as per relevant BS code or equivalent international code with crushing strength of 75 Kg/cm2	CUM	970	0.015863213
1002A	Providing masonry work with Autoclaved Aerated Concrete (AAC) block [625 mm x 250 mm, thickness ranging from 100 mm to 300 mm, maximum thermal conductivity of 0.18 W/(mK) and conforming to Category I of BS EN 771-4:2011+A1:2015] in cement mortar 1:6 (1 part cement, 6 part sand of fineness 1.1) in walls, chambers etc. at all depths, places and positions above plinth including raking out joints, curing, scaffolding etc complete (excluding plastering and painting) complete as per relevant BS or equivalent international standards, drawings, specifications, manufacturer's recommendations.	CUM	1220	0.035172988

VOLUME-III PRICE SCHEDULE, REV-01				
JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.				
TENDER NO PSER:SCT:KLN-C1795:16				
SCH-03 (CIVIL WORK)				
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
1003	Providing brick work in cement mortar 1:4 (1 cement 4 coarse sand) in partition walls , chambers etc. in thickness 115mm at all heights, places and position above or below plinth/graded level including providing two nos. 6 mm diameter MS bars at every third layer, raking out joints, curing, scaffolding etc complete excluding plastering and painting as per specification.			
c	Using burnt clay bricks as per relevant BS code or equivalent international code with crushing strength of 75 Kg/cm2	SQM	1240	0.002950408
1009	Making openings in existing brick wall or partition wall including making good the broken edges/surface with cement mortar etc. complete.	CUM	13	0.000057816
	1100 DAMP PROOF COURSE			
	Damp proof course including all labour, material, equipment, transportation, handling, shuttering, centering, curing etc at any level as per specification, drawings and as directed by engineer - in - charge.			
1101A	Providing Damp Proof Course 40mm thick 1:1.5:3 concrete (10mm and down graded aggregate) with 2% of approved admixture of water proofing compound all complete. Two layers of hot bitumen coating conforming to BS 6398 or equivalent international code shall be applied one before & one after the DPC.	SQM	650	0.000930883
	1200 CEMENT MORTAR PLASTER			
	Cement mortar plaster including making grooves wherever required including all labour, material, scaffolding, curing etc at any level as per specification, drawings and as directed by engineer - in - charge.			
1201	Providing 18mm thick plaster in two layers outside the building/boundary wall in cement mortar 1:6 on walls, finished to a smooth finish including providing 3mmx3mm size grooves at junctions of two dissimilar materials all complete.	SQM	4785	0.004122920
1202	Providing 12mm thick plaster inside the building/boundary wall in cement mortar 1:6 on walls finished to a smooth finish as per specification all complete.	SQM	15338	0.008810210
1204	Providing 6mm thick plaster on ceiling in cement mortar 1:4 finished to a smooth all complete.	SQM	7935	0.004281742
1207	Forming groove of uniform size from 12X12 mm upto 20X15 mm in plastered surface as per approved pattern, using wooden battens nailed to the under layer, including removal of wooden battens, repair of the edges of plaster panel and finishing the groove etc. complete as per specification, drawing and the instructions of engineer in charge.	RM	750	0.000058741
1208	Providing drip course on plastered surface at all elevations for all type of work such as chajjas, parapet, projections etc. including scaffolding, finishing etc. complete with all labour, tools and plants as per specification, drawing and instructions of engineer in charge.	RM	1892	0.000499505
	1300 FINISHES TO CONCRETE / PLASTERED SURFACES			
	Finishes, painting to concrete, plastered surfaces including all labour, material, equipment, surface preparation, scaffolding etc. at any level as per specification, drawings and as directed by engineer - in - charge.			
1304B	Two or more coats of acrylic distemper of approved brand and manufacture to give an even shade including a priming coat with distemper primer complete.	SQM	23273	0.009924796
1312A	Providing and applying 2 mm thick polymer based water resistant putty (wall putty) on walls including preparation of surface, staging, etc. to achieve a smooth even surface all complete as per specification and as directed by Engineer.	SQM	23273	0.006245941
1315	Providing and applying two or more coats of Acrylic based weather coat paint of approved brand and manufacture and required shade over one coat of primer after necessary cleaning/ washing, preparing the surface using coir brush/ wire brush, sand paper, including filling of cracks with putty wherever required etc. all complete to give smooth, hard, durable & glossy finish over a coat of primer over prepared plaster surface as per manufacturers guidelines. The final finished coating shall be fungus resistant, UV resistant, water repellent and extremely durable with color fastness as per specification.	SQM	4785	0.002679285
	1400 FLOORING AND SKIRTING			
	Flooring and skirting at any level including base layer, labour, material, equipments, transportation, handling, curing, polishing etc. at any level as per specification, drawings and as directed by engineer - in - charge.			
1404	Providing and laying interlocking C25/30 Grade concrete blocks in paving with approved colour and pattern including jointing sand, bedding layer of sand (35 mm thick) as per specifications and recommendations of manufacturer.			
b	80 mm	SQM	1395	0.003428610
1416	Providing and laying vitrified ceramic tiles of polished variety of size 600x600 from reputed / approved manufacturer, complete including epoxy grout, underbed of cement mortar 1:3 with neat cement slurry etc. all complete for following			
a	600x600x10 mm thick tiles In flooring	SQM	5379	0.031803643
b	600x600x10mm thick tiles in skirting and dado upto specific height	SQM	642	0.003795861
1417	Providing and laying vitrified ceramic tiles of matt finish of size 600x600mm from reputed / approved manufacturer including epoxy grout, underbed of cement mortar 1:3 with neat cement slurry etc. all complete for following.			
c	300x300X7 mm thick tiles In flooring	SQM	608	0.002659542
1419	Providing and laying granite stone slab of 20mm thickness single piece for wash basin / sink slab /facia of black or approved colour with cutting,making corners,moulding and opening etc. all complete.	SQM	76	0.001033241
1427	Providing and fixing glazed ceramic tiles of approved color and design of size 200x300mm / 300x300mm / 300x400mm in dado of approved size , projecting 6mm uniformly from adjacent plaster or wall finish. The mix for underbed plaster shall consist of 1part cement and 3 parts sand by weight, fairly moist but firm, tiles shall be pressed over under bed by applying cement slurry including pigments, curing etc all complete for following thicknesses:			
b	7mm thick	SQM	2816	0.010048689
	1500 ROOFING / SIDE CLADDING			
	Roofing / side cladding work including all labour, material, equipment, transportation, handling, scaffolding, laps, hooks, washers, corner pieces etc. at any level as per specification, drawings and as directed by engineer - in - charge.			

VOLUME-III PRICE SCHEDULE, REV-01				
JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.				
TENDER NO PSER:SCT:KLN-C1795:16				
SCH-03 (CIVIL WORK)				
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
1503	Designing, providing and fixing External sheet of Permanent colour coated metal cladding with troughed high strength tensile steel sheets of 0.75 mm bare metal thickness with minimum trough depth of 23 mm and maximum pitching (c/c of valley) of 230 mm having minimum yield strength 350 MPa and hot dipped galvanized with a minimum zinc coating weight of 275 gsm total both sides including pre-treatment by "chemical conversion" of the zinc coating to a non-metallic surface with corrosion inhibiting and adhesion additives, nominal 8 micron thick anti-corrosive pigmented epoxy primer on both sides, nominal 70 micron thick TF epoxy barrier coat with special flexibilizer compounds applied on both sides and baked to a hard corrosion resistant finish, nominal 40 micron thick urethane exterior coating on outer face, fixing to supports / rails by concealed/non concealed fixing system (as approved by BHEL), corrosion resistant self tapping / self drilling type fasteners with suitable cap, flashing etc. all complete.	SQM	600	0.003114595
	1700 RAIN WATER DOWN TAKE PIPES			
	Rain water down take pipes including all labour, material, transportation, 2 coats of approved paint over one primary coat, fixtures, accessories etc at any level as per specification, drawings and as directed by engineer - in - charge.			
1705	Providing and fixing UPVC down take pipes of 110mm diameter- Class C as per BS 3505:1986 or equivalent international code all complete.	RM	584	0.001087730
	1800 MISCELLANEOUS WORKS			
	Miscellaneous works including all labour, material, equipment etc. at any level unless otherwise specified as per specification, drawings and as directed by engineer - in - charge.			
1801	Providing and Filling in trenches, plinths, area paving and other underground structures with graded stone aggregate of size range 63 mm to 45 mm in layers not exceeding 230 mm in thickness including breaking of stone boulders to required sizes, filling the interstices with selected sand and compacting to 85 % of original volume of stone stack for all lifts etc. all complete. Payment shall be made for the measurement of the volume of the compacted fill.	CUM	1599	0.007977641
1803	Anti termite chemical treatment of soil with Chlorpyrifos/Lindane E.C. 20% with 1% concentration conforming to relevant BS code or equivalent international code all complete. (Plinth area of building at ground floor only shall be measured for payment)	SQM	7054	0.004174764
1813	Providing Earthing pit as per drawing with charcoal & salt, GI pipes, GI earth electrodes, GI wire, GI strips, brick chamber with covers including associated earthwork etc. all complete.	EACH	4	0.000152820
1814	Construction of below ground earthing system test pits as per drawing/ sketches including brickwork, plaster, concreting, reinforcement, formwork, providing & fixing GI strips/pipes, GI wires, covers etc as per drawing & specification including associated earthwork.	EACH	4	0.000071103
1815	Providing and fixing GI rungs in concrete/brick walls having zinc coating of minimum 900 g/sqm etc. all complete.	Kg	236	0.000090322
1832	Providing & filling Bentonite Powder (Sodium base) mixed with water in electronic earthing pit as per drawing & direction below ground level including all materials, transportation, labour, incidental etc all complete as per specification.	CUM	12	0.000435863
	2100 WATER SUPPLY			
	Water supply work including men, material, equipment etc. at any level as per specification, drawings and as directed by engineer - in - charge.			
2101	Providing and fixing in position tested heavy duty type chromium plated (CP) brass long neck bib cocks including sockets, union, nuts etc all complete - Nominal size 1/2	EACH	130	0.000370398
2102	Providing and fixing in position heavy duty brass stop cock of approved quality including all specials etc all complete - Nominal size 1/2	EACH	140	0.000477243
2103	Providing and fixing in position heavy duty brass full way valve with wheel of approved quality including all specials etc all complete for following sizes:			
a	Nominal size 1	EACH	38	0.000068020
2104A	Providing and fixing uPVC pipes conforming to BS:3505 pipes shall be concealed, complete for internal works with sockets, unions, elbows, tees, nipples etc conforming to BS 4346 or equivalent and clamps including cutting and making good the walls etc all complete for following sizes:			
a	Nominal size 1/2	RM	550	0.000278927
b	Nominal size 3/4	RM	330	0.000220198
c	Nominal size 1	RM	220	0.000157075
2105A	Providing and fixing uPVC pipes conforming to BS:3505 for external work with sockets, unions, elbows, tees, nipples etc conforming to BS 4346 or equivalent including trenching & refilling etc all complete for following sizes:			
c	Nominal size 1	RM	1500	0.000931293
2106	Providing and fixing 700mmx500mmx6mm thk mirror from reputed mirror manufacturer. Mirror shall be mounted with glass adjustable revolving CP brackets with CP screws etc all complete.	EACH	110	0.000325157
2107	Providing and fixing 700mmx127mmx6mm thk clear glass with C.P Guard rails and mounted on C.P. brackets etc all complete.	EACH	110	0.000082590
2108	Providing and fixing 25 mm diameter stainless steel towel rails (600mm X 25mm) all complete.	EACH	110	0.000171370
2111	Providing and fixing stainless steel / C.P. liquid soap dispenser . Dispenser shall be round and easily revolving with removable threaded nozzle and mounted on C.P. brackets etc all complete.	EACH	110	0.000255114
2112	Providing and fixing glazed vitreous wall mounted paper holder with suitable cover cum cutter fitted with CP screws etc. sll complete.	EACH	110	0.000072441
2113	Providing and fixing chromium plated brass shower rose with 15 or 20 mm inlet all complete.	EACH	100	0.000335667
2114	Providing & fixing in position UV resistant glass-fibre reinforced polyethylene water tank conforming to relevant BS or equivalent international code including making all necessary inlet & outlet pipes, fixture, ball cocks, valves, visible outside water level gauge etc all complete as per specification for following capacities . Pipes shall be paid separately under ST No. 2105A.			
aA	500 litres capacity	EACH	4	0.000091468
a	1000 litres capacity	EACH	4	0.000155282
b	2000 litres capacity	EACH	30	0.002244627
2116	Providing and fixing approved one push button operated hot air hand dryer (with overheating protection) all complete	EACH	20	0.000307543
	2200 SANITARY WORKS			
	Sanitary work including all labour, material, equipment etc. at any level as per specification, drawings and as directed by engineer - in - charge.			

VOLUME-III PRICE SCHEDULE, REV-01				
JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.				
TENDER NO PSER:SCT:KLN-C1795:16				
SCH-03 (CIVIL WORK)				
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
2201	Supply and fixing glazed vitreous china Wash Basin (minimum size 580x450 mm) conforming to relevant BS code or equivalent international code of approved shape with R.S. or C.I. brackets painted white, nominal size 1/2 chromium plated brass hot & cold mixing faucets with nylon washers, chromium plated brass chain with rubber plug, nominal size 1 1/4 chromium plated brass bottle trap and waste of standard pattern, nominal size 1 1/4 dia chromium plated brass trap unions, plastic connection pipe with chromium plated nuts, fittings, cutting and making good the walls where required etc all complete.			
b	Colored	EACH	140	0.000995098
2203	Providing and fixing stainless steel kitchen sink of size 610x510x200mm conforming to relevant BS code or equivalent international code including all fittings etc. all complete.	EACH	38	0.000450898
2204	Providing and fixing colour glazed vitreous china European type water closet conforming to relevant BS code or equivalent international code with siphon, open front solid plastic seat and plastic cover, low level 12.5 litre PVC flushing cistern (same colour as WC) with valveless fittings, hand spray with angle valve and hand trigger, 100 cm long hose, toilet roll holders, necessary C.P connections etc all complete.			
a	Floor mounted	EACH	85	0.006872456
2205	Providing and fixing colour glazed vitreous asian squatting (minimum 500x400mm) water closet conforming to relevant BS code or equivalent international code with all fittings including foot rests, low level 12.5 litre PVC flushing cistern with valveless fittings, hand spray with angle valve and hand trigger, 100 cm long hose, toilet roll holders, necessary C.P connections etc all complete.	EACH	45	0.000257319
2207	Supply, laying and jointing UPVC pipes conforming to BS EN 13476 or equivalent international code including bends, branches and all other necessary fittings, M.S holder bats/clamps, cutting and making good the walls and floors, jointing, testing etc all complete for following.			
b	110mm dia pipes	RM	360	0.000600546
c	160mm dia pipes	RM	750	0.001662375
d	200mm dia pipes	RM	30	0.000126984
2211	Providing and fixing C.I Manhole heavy duty cover of size 600mmx450mm including frame from reputed manufacture etc. all complete.	EACH	30	0.000621791
2213	Providing and fixing square mouth S.W Gully trap grade 'A' complete with CI grating, brick masonry chamber and water tight CI cover with 300x300mm (inside). The weight of cover to be not less than 4.53 Kg and frame to be not less than 2.72 Kg etc all complete for following sizes:			
a	100x100mm P or S Type.	EACH	110	0.000805036
2214	Providing and fixing square mouth S.W Gully trap grade 'A' complete with CI grating, brick masonry chamber and water tight CI cover with 300x300mm (inside). The weight of cover to be not less than 4.53 Kg and frame to be not less than 2.72 Kg etc all complete for following sizes:			
2215	Providing and fixing C.I. floor traps with C.P jalli all complete.	EACH	330	0.000905510
2217	Providing and installing approved brand single tap water cooler of 80 L cooling capacity all complete.	EACH	4	0.000425699
2218	Providing and installing approved brand single tap water cooler of 150 L cooling capacity all complete.	EACH	4	0.000696608
2219	Providing and fixing white vitreous urinal partitions of size 675x325x85mm all complete.	EACH	20	0.000135996
2300 STRUCTURAL STEEL				
Structural steel works including all labour, material, equipments, transportation, handling etc. at any level as per specification, drawings and as directed by engineer - in - charge.				
2301	Supply, fabrication and erection of structural steel with mild steel rolled section / built up section / combination of both conforming to BS EN 10025-2, pipes/chequered plate, mild steel rounds, monorails, stays, safety chains, ladders, MS grating etc. in columns, beams, gantry girders, bunkers, silos, hoppers, roof trusses, portals, laced purlins, space frames, hangers, struts, monorails, galleries, stiffeners, wall beams, sheeting runners, brackets, stub columns, bracings, cleats, trestles, base plates, splice plates, chequered plate flooring, decking and seal plates, steel frame grid over false ceiling, walkway platforms, ladders, stairs, stringers, treads, landings, hand-rails etc including 1 coat of redoxide zinc-chromate primer (one coat at shop), connection design & preparation of fabrication drgs, collection of steel from stores, fabrication, straightening, cutting, bending, rolling, grinding, machining, drilling, welding, electrodes and other consumables, alignment, erection bolts & nuts (weight of erection bolts, nuts and welds not payable), assembly, edge preparation, preheating, post heating, testing of welders, inspection of welds, visual inspection, non destructive and special testing, rectification and correction of defective welding works, production test plate, inspection and testing, erection scheme, protection against damage in transit, stability of structures, installation of temporary structures, setting column bases, surface preparation by means of manual or mechanical power tools, touch-up painting, rectification, dismantling and removal of all temporary structures (weight of temporary structures not payable), return of surplus / waste steel materials to store etc all complete as per specification, relevant BS code or equivalent international code. Including appointment of a separate agency, approved by BHEL, for review and approval of fabrication drgs, in consultation with BHEL.	MT	35	0.012692574
2302	Extra over ST NO. 2301 for preparing, blast cleaning of steel structures to near white metal surface(Sa 2 1/2) and applying Zinc-epoxy primer in 1 coat of minimum 80 micron (DFT), instead of primer coat of red oxide zinc-chromate, including touch-up painting etc all complete as per specification.	MT	35	0.000496377

VOLUME-III PRICE SCHEDULE, REV-01				
JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.				
TENDER NO PSER:SCT:KLN-C1795:16				
SCH-03 (CIVIL WORK)				
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
2305A	Providing and applying two coats of epoxy high solid intermediate paint with minimum 80 micron total dry film thickness (DFT) of each coat (total 160 micron DFT of both the coats) and 1 coat of 2-comp polyurethane finish paint with minimum 50 micron total dry film thickness (DFT) of approved make and shade to achieve an even shade over steel sections already having primer coats and keeping overall DFT with primer not less than 290 microns including protection, cleaning, rectification of damaged primer, scaffolding etc. all complete as per specification.	MT	35	0.000431912
2320	Supply, fabrication and fixing of GI pipe hand railing (900 mm high) of 32 mm/40 mm dia (Medium Grade) including transportation, loading/unloading, painting etc. all complete..	MT	2	0.000601769
2500	PILING			
2502	Mobilisation of a precast driven piling rig including necessary hammer and accessories capable of installing 350mm/450mm square driven pre cast RCC piles in all type of soil strata to project site and demobilisation of the same after completion of piling works etc all complete as per specification and as directed by engineer-in-charge.	Each	6	0.003094209
2507	Designing, providing and installing driven pre cast reinforced cement concrete vertical pile as per BS EN 12794 2005 using cement concrete grade C40/50 conforming to BS EN 206:2013 with a minimum cement content of 400Kg per cum of concrete including all materials but excluding reinforcement steel (reinforcement steel to be paid separately as per ST NO 402) and including providing plasticizer wherever required, conducting quality tests on materials/concrete including concrete mix design, breaking pile head to cut off level and exposing pile reinforcement for embedment in pile cap etc all complete as per specification, drawing and as directed by the engineer-in-charge for the following.			
a)	350 mm square pile with 21 m length below cut off level (length to be measured from pile cut-off level to the bottom of pile for payment)	Each	697	0.115953625
2508	Extra over ST. No. 2507 for pile length more than the specified length of			
a)	21m for 350 mm x 350mm square driven pre cast RCC pile	Rm	140	0.000845937
2509	Rebate on ST.No.2507 for pile length less than the specified length of			
a)	21m for 350 mm x 350mm square driven pre cast RCC pile	Rm	240	-0.000217035
2511	Conducting routine load test for axial compression on single job pile as specified in accordance with ASTM-D1143 up to maximum load of 1.5 times the safe load including preparation of pile head for testing, necessary excavation, providing all arrangements of loading, unloading, test equipments/accessories, jacks, recording of results, labour, submission of test report etc but exclusing the cost of installation of job pile complete as per specification, drawing and as directed by the engineer-in-charge for the following.			
	For vertical compression test by maintained load method			
c)	350 mm x 350mm square driven pre cast RCC pile	Each	5	0.001525425
2512	Conducting routine load test for lateral load on single job pile as specified in accordance with ASTM-D3966 up to maximum load of 1.5 times the safe load including preparation of pile head for testing, necessary excavation, providing all arrangements of loading, unloading, test equipments/accessories, jacks, recording of results, labour, submission of test report etc but exclusing the cost of installation of job pile complete as per specification, drawing and as directed by the engineer-in-charge for the following.			
b	For lateral load test			
c)	350 mm x 350mm square driven pre cast RCC pile	Each	5	0.000599772
	TOTAL ALLOCATED WEIGHTAGE			0.923177853

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

JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.

TENDER NO PSER:SCT:KLN-C1795:16

SCH-04 (ELECTRICAL)

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	UNIT	QTY	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
1	Supply,fitting & fixing of LDB 100 kVA for 18 outgoing	Nos.	2	0.000911018
2	Supply,fitting & fixing of LDB H-12 (18 outgoing)	Nos.	1	0.000455509
3	Supply,fitting & fixing of 100 kVA Trf	Nos.	6	0.005868173
4	Supply,fitting & fixing of LP A-18 indoor	Nos.	18	0.002107411
5	Supply,fitting & fixing of SLP S-6	Nos.	4	0.000364911
6	Supply,fitting & fixing of 2x18/ 2X20 W T5 LED TL & Batten	Nos.	750	0.003794830
7	Supply,fitting & fixing of 15 Watt Surface mounted LED	Nos.	430	0.001816000
8	Supply,fitting & fixing of 36W Well glass LED	Nos.	18	0.000132222
9	Supply,fitting & fixing of Periphery 25 watt street light LED	Nos.	166	0.001226132
10	Supply,fitting & fixing of Receptacle RB- 6/16 A	Nos.	675	0.005397387
11	Supply,fitting & fixing of Swb-1 Decorative	Nos.	140	0.000322921
12	Supply,fitting & fixing of Swb-2 Decorative	Nos.	230	0.000776120
13	Supply,fitting & fixing of Swb-3 Decorative	Nos.	90	0.000592021
14	Supply,fitting & fixing of JB-F	Nos.	1105	0.001887975
15	Supply,fitting & fixing of JB-S	Nos.	96	0.000665934
16	Supply,fitting & fixing of Pole 13 mtr high Spun P.C Pole			
a	Supply of 12192 mm (40') long having 152.4 mm (6") dia 9144 mm(30')at bottom and 101.60 mm (4") dia 3048 (10") at the top with 609 mm X 609 mm X 6.35 mm (2'-0"X2'-0"X0.25") size steel base plate spun P.C Pole	Nos.	10	0.000894029
b	Fixing & erection of 12192 mm (40') long MS/GI/Spun P.C.pole with 457 mm X 457 mm (1.5"X1.5") CC work.	Nos.	10	0.000067183
17	Supply,fitting & fixing of Pole 11 mtr high Spun P.C Pole			

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

JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.

TENDER NO PSER:SCT:KLN-C1795:16

SCH-04 (ELECTRICAL)

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	UNIT	QTY	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
a	Supply of 10668 mm (35') long having 152.4 mm (6") dia 7620 mm (25') at bottom and 101.60 mm (4") dia 3048 (10") at the top with 609 mm X 609 mm X 6.35 mm (2'-0"X2'-0"X0.25") size steel base plate spun P.C Pole	Nos.	32	0.002536509
b	Fixing & erection of 10668 mm (35') long MS/GI/Spun P.C.pole with 457.20 mm X 457 mm (1.5"X1.5") CC work.	Nos.	32	0.000209408
18	Supply,fitting & fixing of Pole 7 mtr high Spun P.C Pole			
a	Supply of 7620 mm (25') long having 101.60 mm (4") dia 6096 mm (20') at bottom and 76.20 mm (3") dia 1524 (5") at the top with 457 mm X 457 mm X 6.35 mm (1'-6" X 1'-6"X0.25") size steel base plate spun P.C Pole.	Nos.	19	0.000821182
b	Fixing & erection of 7620 mm (25') long MS/GI/Spun P.C.pole with 381 mm X 381 mm (1.5"X1.5") CC work.	Nos.	19	0.000117052
18A	Supply & Fitting the water tight street light fitting having minimum length 830 mm & breadth 295 mm, 85 Watt CFLconsisting of power coated painted cast fibre body and cast aluminium carrier, clear glass shade with GI wire net guard, brass holder, earth terminal necessary wiring with 2 X 0.4 sq. mm stranded PVC insulated flexibleFR cable & mountable on 38.1 mm (1.5") dia GI pipe bracket etc.	Set	61	0.001026753
19	Supply,fitting & fixing of 16 SWG GI wire	mtr	26500	0.000189349
20	Supply,fitting & fixing of PVC Wire 2.5 sq.mm	mtr	13500	0.008665805
21	Supply,fitting & fixing of PVC Wire 4.0 sq.mm	mtr	6000	0.005106246
22	PVC Wire 6.0 sq.mm	mtr	6000	0.006848992
23	Supply,fitting & fixing of 20 mm dia GI conduit	mtr	12000	0.001638181
24	Supply,fitting & fixing of Flexible Electrogalvanized conduit 20 mm dia	mtr	1730	0.000316865
25	Supply,fitting & fixing of3CX2.5 sqmm cable	mtr	375	0.000509753
26	Supply,fitting & fixing of Ceiling fan- 1400 mm dia	Nos.	183	0.002093727

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

JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.

TENDER NO PSER:SCT:KLN-C1795:16

SCH-04 (ELECTRICAL)

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	UNIT	QTY	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
27	Supply,fitting & fixing of 25x3 Cu Flat	mtr	300	0.000771934
28	Supply,fitting & fixing of 20 mm dia, 3 mtr long MS rod	Nos.	107	0.006384864
29	Supply,fitting & fixing of Hume pipe 100 mm dia	mtr	85	0.000165561
30	Supply,fitting & fixing of Structural steel	MT	8	0.002187071
31	Supply,fitting & fixing of Exit sign	Nos.	20	0.000122167
32	Supply,fitting & fixing of Mast -15 mtr with fedder panel & accessories	Nos.	1	0.001787169
33	Supply,fitting & fixing of 200watt LED flood light for mast	Nos.	6	0.000365192
34	Supply,fitting & fixing of 3C-25 sq.mm AL cable	mtr	100	0.001118262
35	Supply,fitting & fixing of MCB 32 Amps	Nos.	210	0.000265333
TOTAL ALLOCATED WEIGHTAGE				0.070527151

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

JOB: Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.

TENDER NO PSER:SCT:KLN-C1795:16

SCH-04 (INFORMATION TECHNOLOGY & COMMUNICATION)

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	UNIT	QTY	WEIGHTAGE FOR AMOUNT OF EACH ITEM(Nearest to the 9 decimal points) W.R.T THE TOTAL OF BIDDER QUOTED PRICE IN SCH-1
1.0	Wired & Wireless LAN connection/facility including supply of cable etc for 100 user in office as per Technical specification of Annexure 1 & Annexure 2	LS	1	0.001777728
2.0	Wireless LAN connection/facility including supply of cable etc for 120 user in Living accomodation building as per Technical specification of Annexure 1 & Annexure 2	LS	1	0.000365187
3.0	Automatic Telephone Exchange for 100 user as per Technical specification of Annexure 3	NO	1	0.000634938
4.0	Automatic Telephone Exchange for 120 user as per Technical specification of Annexure 3	NO	1	0.002158621
5.0	Supply & installation of Land phone/Desktop phone as per Technical specification of Annexure 3	NO	220	0.001273093
6.0	Supply & Installation of Multifunction Fax Machine as per Technical specification of Annexure 4.	NO	2	0.000085429
TOTAL ALLOCATED WEIGHTAGE				0.006294996

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	Construction of living accommodation & customer office with associated electrical, IT & communication works as per specification including supply of all materials etc. at 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.	
Ref	1.0	Tender no PSER:SCT: KLN-C1795:16.
	2.0	BHEL's NIT, vide reference no PSER:SCT:KLN-C1795:5589 Date: 24-03-2017
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:KLN-C1795:TCN-01 Date: 10-04-2017
	4.0	BHEL's TCN-02, vide reference no PSER:SCT:KLN-C1795:TCN-02 Date: 12-04-2017
	5.0	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 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 : 033-2339 8000/ 2339 8236