



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**TCN - 01**

Ref: PSER:SCT: BNP-C1679:TCN-01

Date: 12-06-2015

Sub	Tender Change Notice (TCN)- 01.	
Job	Construction of Field Hostel, Miscellaneous Civil Work, etc including supply of materials at 2x660 MW IB Thermal Power Station, Banharpalli, Odisha.	
Ref	1.0	Tender no PSER:SCT:BNP-C1679:15.
	2.0	BHEL's NIT, vide reference no PSER:SCT: BNP-C1679:4502 Date: 06-06-2015
	3.0	Other References, if any.

With reference to above, following points, 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 (Rev-01) only. Offer from bidders in superseded price schedule (Vol-III, REV-00) shall not be considered.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

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211798/ 1691

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

**CONSTRUCTION OF FIELD HOSTEL, MISCELLANEOUS CIVIL WORK, ETC INCLUDING SUPPLY OF MATERIALS AT 2X660 MW IB THERMAL POWER STATION,  
BANHARPALLI, ODISHA.**

**TENDER NO : PSER:SCT:BNP-C1679:15.**

**PREAMBLE**

SL NO	
1	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully before filling in rates for various items. Clauses under this preamble shall be read in conjunction with Volume-IB, ID, IE , Volume – IF and other tender sections as applicable and shall have precedence over any contrary statement mentioned any where in this document.
2	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions. Drawings enclosed with the tender are only preliminary and for tender purposes and giving some idea of the work involved. The work is to be executed as per drawings & documents, which shall be furnished during execution.
3	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
4	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment, strengthening of roads/culverts/bridges etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, taxes(except service tax), transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the complete tender document and this schedule.
5	The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or be deleted altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains, within 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.
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	In case of Lumpsum contracts, addition or deletion of the scope beyond the variation limit specified shall be derived from the quoted Lumpsum price and the tendered scope of work considering the allowable 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 , 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.
19	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.
20	Bidder's Grand Total price shall be considered for evaluation unless stated otherwise.
21	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**

**CONSTRUCTION OF FIELD HOSTEL, MISCELLANEOUS CIVIL WORK, ETC INCLUDING SUPPLY OF MATERIALS AT 2X660 MW IB THERMAL POWER STATION, BANHARPALLI, ODISHA.**

**TENDER NO : PSER:SCT:BNP-C1679:15.**

**SCH-1 - TOTAL PRICE**

SL NO	DESCRIPTION OF ITEM	TOTAL QUOTED PRICE (Rs)
1.0	TOTAL PRICE FOR CIVIL PART (AS PER SCH-2).	
2.0	TOTAL PRICE FOR ELECTRICAL PART (AS PER SCH-3).	
<b>3.0</b>	<b>TOTAL PRICE FOR THE COMPLETE JOB (CIVIL + ELECTRICAL) AS PER TENDER.</b>	

**NOTE**

1.0	Bidder shall quote total price for civil & electrical part at sl no. 1.0 & 2.0 respectively. All other amounts/figures in subsequent parts, items of works, etc will be derived based on respective allocated percentages. As such, any uncalled figure/ amount noted at any other places/ schedule of Volume-III will not be reckoned & will stand null & void.
2.0	Bidder to note that total price at sl no 3.0 above shall be considered for evaluation & awarding. As such total price should be complete in all respect for the full scope defined and considering all terms and conditions.
3.1	Bidder's quoted total price for civil part of the subject tender (sl no 1.0 above) shall be apportioned into total amount of various items of works of this part, based on allocated percentages against respective item, in SCH-2. Bidder shall not indicate/ quote any amount/ figure in SCH-2 except non-scheduled items.
3.2	Bidder's quoted total price for electrical part of the subject tender (sl no 2.0 above) shall be apportioned into total amount of various items of works of this part, based on allocated percentages against respective item, in SCH-3. Bidder shall not indicate/ quote any amount/ figure in SCH-3.
4.0	Unit rates of each item of works of respective parts(i.e. SCH-2 & SCH-3) will be derived by dividing derived amount, as per sl. no. 3.1 & 3.2 above, 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 without any rounding off. Payment shall be made based on the unit rates as per actual measurement.
5.0	Successful bidder shall draw a schedule of quantities of various items of work of the schedule and obtain BHEL's clearance in writing before procurement, supply and execution.
6.0	Successful bidder shall obtain approval of BHEL for 'equivalent' make of any item, appearing in the schedule, and obtain BHEL's clearance in writing before procurement & supply of items to site.

VOLUME-III PRICE SCHEDULE, REV-01		
CONSTRUCTION OF FIELD HOSTEL, MISCELLANEOUS CIVIL WORK, ETC INCLUDING SUPPLY OF MATERIALS AT 2X660 MW IB THERMAL POWER STATION, BANHARPALLI, ODISHA.		
TENDER NO : PSER:SCT:BNP-C1679:15.		
SCH-1 - TOTAL PRICE		
SL NO	DESCRIPTION OF ITEM	TOTAL QUOTED PRICE (Rs)
7.0	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.	
8.0	Price format shall not be changed by bidder in any case and it may lead to cancellation of their offer.	

VOLUME-III PRICE SCHEDULE, REV-01			
CONSTRUCTION OF FIELD HOSTEL, MISCELLANEOUS CIVIL WORK, ETC INCLUDING SUPPLY OF MATERIALS AT 2X660 MW IB THERMAL POWER STATION, BANHARPALLI, ODISHA.			
TENDER NO : PSER:SCT:BNP-C1679:15.			
SCH-2 - CIVIL PART			
SL NO	DESCRIPTION OF ITEM	QUANTITY	ALLOTTED PERCENT (%)
1.0	CIVIL WORK		
1.1	Excavation with lift up to 2.0 mtr including shoring, strutting, sheeting, bracing, draining & pumping out water to maintain reasonably dry working condition for all activities, clearing all grass, vegetation, etc including trimming of excavated bottom, stacking, levelling, grading, etc of excavated materials, loading & unloading, etc all complete as per specification, drawings, instructions of engineer, including a lead upto 300 mtr.		
1.1.1	In all types of soils including expansive soil, ash, morrum, laterite.	950 CUM	0.60
1.2	Filling using selected excavated materials in trenches, plinths, sides of foundation & other underground structures, pipe, area levelling, etc in layers not exceeding 250 mm thickness including lead up to 1.0 km and all lifts & including loading from stock pile, carting, unloading, filling, watering & compacting/ ramming each layer, all complete as per specification, drawings & as directed by engineer to achieve following densities.		
1.2.1	Ordinary manual compaction.	1500 CUM	0.70
1.3	Single brick flat soling of picked jhama bricks including ramming and dressing bed to the proper level and filing the joints with powder earth or local sand including all materials, labour, etc complete.	1515 SQM	1.90
1.4	Plain cement concrete 1:3:6 (1 cement: 3 sand: 6 graded stone aggregate of 20 mm nominal size) as filling course or lean concrete at any level below foundations, drain, septic tank, floors, hume pipes, materials, labour, etc complete.	120 CUM	2.40
1.5	Reinforced/ plain cement concrete 1:1.5:3 (1 cement: 1.5 sand: 3 graded stone aggregate of 20 mm nominal size) for foundation, column, beam, chajja, RCC sleeper, RCC shelf, over head tanks slab, super structure slab, etc excluding cost of shuttering and reinforcement, if any, but including all materials, labour, curing, etc complete all the levels including below ground level also.	710 CUM	20.40
1.6	Damp proof course 40 mm thick 1:1.5:3 concrete (10 mm down aggregate) with 2 % of approved admixture of waterproofing compound. Hot bitumen @ 1.7 kg/ sqm shall be applied before & after the DPC as per specification. Cement (PPC/ OPC/ PSC) to be supplied by successful bidder with test certificate from direct manufacturer of ACC/ ULTRATECH/ CETURY/ BIRLA/ LAFARGE/ INDIA CEMENT/ JAYPEE, etc.	190 SQM	0.50
1.7	Hire and labour charge for wooden shuttering with minimum 10 mm thick plyboard for building works for concrete foundations, floor/ roof slabs, beams, lintels, columns, chajja, fins, etc including fitting, fixing & striking out carefully after completion of work for below ground and upto 6 mtr height from finished floor level.	5300 SQM	10.00

SL NO	DESCRIPTION OF ITEM	QUANTITY		ALLOTED PERCENT (%)
1.8	Brick work in cement mortar (1:6) in foundation, plinth, pier, abutment, wing wlls, water tank, septic tank, drains, culvert, etc including all materials, labours, scaffolding and other incidental, etc complete. Cement (PPC/ OPC/ PSC) to be supplied by successful bidder with test certificate from direct manufacturer of ACC/ ULTRATECH/ CETURY/ BIRLA/ LAFARGE/ INDIA CEMENT/ JAYPEE, etc.			
1.8.1	Burnt clay brick/ ash lime bricks, class designation 50 at any level	470	CUM	9.10
1.9	12.5 cm thick brick work in cement mortar (1 cement:4 sand) in foundation, plinth, pier, abutment, walls, water tank, septic tank, drains, culvert, superstructure, etc including cost of scaffolding and other incidental work, etc completed (Cement - PPC/ OPC/ PSC to be supplied by the contractor with test certificate from direct manufacturer of ACC/ ULTRATECH/ CETURY/ BIRLA/ LAFARGE/ INDIA CEMENT/ JAYPEE, etc).			
1.9.1	Burnt clay brick/ ordinary ash lime bricks, class designation 50, at any level	1550	SQM	3.40
1.10	Supply, transporting, straightening, cutting, bending, placing at any level including below ground level also, binding in position high yield strength steel reinforcements in concrete including cost of reinforcement and binding wire, labour, etc complete all as per specifications & drawings. The steel shall be procured from approved manufacturers like SAIL, TISCO or any approved conversion agent of SAIL.	46	MT	12.20
1.11	Plaster to wall floor, slab soffits, fins, sills, etc with sand cement mortar including rounding off or chamfering corners as directed and racking out joints or roughening of concrete surface including chipping & application of cement slury where necessary, etc complete as per drawing and direction of engineer. Cement (PPC/ OPC/ PSC) to be supplied by successful bidder with test certificate from direct manufacturer of ACC/ ULTRATECH/ CENTURY/ BIRLA/ LAFARGE/ INDIA CEMENT/ JAYPEE, etc.			
1.11.1	Inside plaster with 1:6 cement mortar of average 12 mm thick.	5450	SQM	3.00
1.11.2	Minimum 6 mm thk cement plaster with 1:4 cement mortar.	1100	SQM	0.60
1.11.3	Outside plaster with 1:6 cement mortar average 15 mm thick above GL.	2500	SQM	2.60
1.12	Providing & fixing 300 x 300 x 7 mm thick coloured ceramic mat finish floor tile (Grade IV) in floor of kitchen, toilet, at all elevations with 20/ 25 mm thick bed of cement mortar (1:4) & jointing with matching coloured cement slurry, etc complete with all labour & material. Floor tile to be laid as per direction of engineer.	1050	SQM	3.40
1.13	Providing & fixing 300 x 300 mm of 7 mm thick coloured ceramic wall tile for dado in kitchens, toilets, entrance, lobby, etc at all elevations with 12 mm thick bed of cement mortar 1:3 and jointing with matching coloured cement slurry, etc complete with all labour and materials.	180	SQM	0.50
1.14	Providing & fixing of 20 mm thick black stone slab of required size over RCC platform for kitchen including all materials and labour complete including 6 mm thick 1:3 cement sand bed mortar 10/ 12 mm as required.	40	SQM	0.30

SL NO	DESCRIPTION OF ITEM	QUANTITY	ALLOTTED PERCENT (%)
1.15	Supplying, fitting and fixing openable steel window conforming to IS:1036-1975 & IS:7452-1974 with non friction projecting type of hinges fitted with revet or nut bolt system as directed, glazing cleat, lug, two nos MS anodised peg stays and fastner for each window of size 900 x 1200 mm, 4 mm thick clear glass pane, including fixing in position, fixing lugs in cement concrete 1:2:4 with stone chips 12.5 mm down cutting holes & mending goods damages, 8 mm dia MS round guard bar welded horizontally 125 c/c with each window, etc complete with one coat of primer and two coats of synthetic enamel finish in all respect.	135 SQM	1.70
1.16	Providing plaster of paris 2 mm thick punning over finished plaster surface and finished with one coat of acrylic emulsion primer followed by two coats of acrylic emulsion paint inside room to give smooth and even surface as per specification at all levels.	4800 SQM	2.40
1.17	Applying one coat of cement primer and two finished coats of water proofing cement paint Seacem or equivalent on plastered or concrete surface to receive water proofing cement based paint including scraping, cleanning and preparing surface throughly complete as per direction of engineer. After completion of painting rooms/ areas are to be handed over with neat and clean condition, from ground floor to roof outside building.	1680 SQM	0.40
1.18	Providing and applying 2 or more coats of weather paint of Asian Paints make or approved equivalent make and color on exterior surface at all heights including material, labour, scaffolding, curing etc complete as per specification.	2500 SQM	0.90
1.19	Supplying & fitting panel shutter of maindoor as per design including fitting & fixing the same in position including cost of hinges & other fittings viz, 3 x 2 nos MS butt hinges, one no Brass tower bolt (100 mm long), one no brass sliding door bolt of 240 mm long 16/ 15 mm dia, one no magnetic door catcher, 1 nos brass handle, with teak wood polish. Lock & fittings shall be done by successful bidder & complete with two coats of synthetic enamel paint finish, 35 mm thick shutter with 19 mm thick panel from best indian season hard wood (Main door).	240 SQM	4.40
1.20	Providing and fixing minimum 24 mm thick factory made solid PVC panelled door shutter with door frame 60x30 mm including all harware items like handle, hinge, tower bolt, hatch bolt, locking arrangement, etc complete in all respect.	56 SQM	1.10
1.21	Providing attach toilet with following facilities as directed by BHEL: (a) Inside size of toilet 1.25 x 2.5 mtr, (b) 5 mm thick white colour ceramic floor tile & inside walls tile upto 1.35 mtr height from finish floor, (c) one white vitreous wash basin 550 x 400 mm (Hindustan make or equivalent) with CI bracket, 15 mm CP Brass pillar taps, 32 mm PVC waste water pipe, 32 mm CP brass waste, one CP towel rail 550 mm long, one best quality 550 x 400 mm mirror, etc complete, (d) one European type WC pan with seat and lid black colour, low level 10 ltr capacity white PVC flushing cistern, etc (e) all inside pipe lines shall be 15/ 20 mm PVC & concealed pipes, (f) main external supply water pipe line shall be 25 mm dia PVC of 6 mtr, (g) hot & cold mixer with shower, soil pipe shall be min 75 mm dia CI for below floor if any and outside shall be 100 mm PVC of supreme or equivalent. Masonry, concreting & plastering will be paid as per respective items. Price to be quoted as lumsum for each set of toilet.	17 SET	2.10

SL NO	DESCRIPTION OF ITEM	QUANTITY	ALLOTTED PERCENT (%)
1.22	Providing attach toilet with following facilities as directed by BHEL: (a) Inside size of toilet 1.25 x 1.5 mtr, (b) 5 mm thick white colour ceramic floor tile & inside walls tile upto 1.35 mtr height from finish floor, (c) one white vitreous wash basin 550 x 400 mm (Hindustan make or equivalent) with CI bracket, 15 mm CP Brass pillar taps, 32 mm PVC waste water pipe, 32 mm CP brass waste, one CP towel rail 550 mm long, one best quality 550 x 400 mm mirror, etc complete, (d) one European type WC pan with seat and lid black colour, low level 10 ltr capacity white PVC flushing cistern, etc (e) all inside pipe lines shall be 15/ 20 mm PVC & concealed pipes, (f) main external supply water pipe line shall be 25 mm dia PVC of 6 mtr, (g) hot & cold mixer with shower, soil pipe shall be min 75 mm dia CI for below floor if any and outside shall be 100 mm PVC of supreme or equivalent. Masonry, concreting & plastering will be paid as per respective items. Price to be quoted as lumsum for each set of toilet.	15 SET	1.90
1.23	Providing and fixing wash basin 550x400 mm (Hindustan make or equivalent) with CI bracket, 15 mm CP brass pillar taps, 32 mm PVC waste water pipe, 32 mm CP brass waste, One CP towel rail 550 mm long, one best quality 550 x 400 mm mirror etc complete. Price to be quoted as lumsum for each set.	4 SET	0.10
1.24	Providing, laying & jointing glazed stoneware pipes grade A with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints, etc complete (100 mm diameter).	300 RM	0.30
1.25	Construction of brick masonry manhole of inside size 90x80 cm and 45-60 cm deep with 75 class designation brick in cement mortar 1:5 (1 cement:5 fine sand) neatly finished complete as per standard design excluding CI manhole cover.	2 NO	0.10
1.26	Construction of 3.6 x 0.90 x 2 mtr size septic tank in all types of soil with 250 mm thick brick masonry in cement mortar of 1:6 15 cm thick cement concrete 1:4:8 grade in bed, 75 mm thick 1:2:4 grade cement concrete flooring and 100 mm thick over RCC slab of 1:2:4 grade, 75 mm thick partition wall, 15 mm thick plaster on brick wall finished with neat cement providing MS rugs, etc, complete as per drawing including excavation, disposal of surplus earth with a load of 50 mtr item includes all material, labour, leads, lifts etc, complete but excluding CI manhole cover.	2 NO	1.90
1.27	Construction soak pit of 2.5 mtr dia and 3 mtr depth filled with brick bats including SW drain pipe 100 mm dia and 1.2 mtr long complete as per standard design.	2 NO	0.20
1.28	Providing and laying soil, waste & vent pipes, centrifugally cast (spun) iron S&S pipe.		
1.28.1	100 mm.	150 RM	0.60
1.29	Providing PVC pipe and fitting and fixtures of supreme or equivalent make with all materials, labour, etc complete for drinking water.		
1.29.1	For external 32 mm dia.	50 MTR	0.10
1.29.2	For external 40 mm dia.	750 MTR	1.30
1.29.3	For external sanitary works 100 mm dia.	250 MTR	2.90

SL NO	DESCRIPTION OF ITEM	QUANTITY	ALLOTTED PERCENT (%)
1.30	Supply, fitting & fixing/ laying of GI pipe as per IS:1239/ IS:3589 with all necessary accessories, ie socket, bends, tees, unions, cross, elbow, nipple, long screw, reducing sockets, reducing tees, short pieces, etc complete for making common ring header for construction/ drinking water including cost of all necessary jointing materials labour, etc all complete. Payment will be made on the center line measurement of total pipeline including all specials.		
1.30.1	15 mm medium quality.	50 RM	0.10
1.30.2	25 mm Medium quality.	150 RM	0.20
1.30.3	32 mm Medium quality.	25 RM	0.10
1.30.4	40 mm Medium quality.	30 RM	0.10
1.30.5	50 mm Medium quality.	30 RM	0.10
1.31	Providing & fixing Salem stainless steel AISI:304 (18/8) kitchen sink with drip board, as per IS:13983 with GI brackets and stainless steel plug 40 mm including the walls, wherever required.		
1.31.1	610 x 460 mm bowl depth 200 mm.	32 NO	0.40
1.32	Providing & fixing PVC water tank (Syntex or equivalent) in position. The work to including making all necessary inlet & outlet pipes (PPR-PN-16 pipe, 40 mm OD), fixture, ball cocks, valves (two nos) etc all complete as per specification at all heights and levels.		
1.32.1	2000 ltr capacity.	6 NO	1.20
1.33	1.2 mtr high fencing with MS angle post of size 40x40x5 mm 1.8 mtr long post placed every 3 mtr centre to centre, 450 mm length angle embeded in concrete (1:2:4) block size 300 x 300 x 450 mm, every 15th post, last but one end post corner post shall be strutted on both sides and post on one side only and provided with 8 horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire 9.38 kg per 100 mtr (min) between two post fitted and fixed with GI staples turn buckles etc complete. Contractor to supply all materials including cement and structural steel. Cost of excavation, concrete, backfilling shall be measured and paid separately as per respective items).		
1.34	For structural angle with two coats of bitumen based protective coating, etc complete.	250 KG	0.10
1.35	For GI barbed with all fixing, etc complete.	150 KG	0.10
1.36	Construction of manhole chamber inside size 600 x 900 mm x 450 mm to 900 mm depth with 250 mm thick brick work (1:6) cement mortar, 12 mm plaster (1:6), PCC (1:4:8), including RCC cover with all complete.	32 NO	0.90
1.37	Neat cement punning over plastered surface complete with cement and other materials for drain, etc complete with all materials including cement, labour, etc as directed by BHEL.	650 SQM	0.10
1.38	Providing corrugated GS sheet roofing including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia with bitument and GI limped washers or with GI limped washers filled with white lead and including a coat of approved sheet primed and two coats of approved paints on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlinns, rafters and trusses including cutting to size and ashape wherever required- 0.63 mm thick with Zinc coating not less than 275 gm/ sqm.	100 SQM	0.30

SL NO	DESCRIPTION OF ITEM	QUANTITY		ALLOTTED PERCENT (%)
1.39	Providing & fixing in position tubular pipe structure (of minimum 40 mm dia) comprising of vertical members at an interval of minimum 3 mtr c/c including horizontal and inclined members so as to form a supporting structures for the GI sheet roofing etc complete in all respect as per direction of engineer.	250	KG	0.10
1.40	Providing & fixing of MS grills of required pattern in frames of windows or any opening, etc fixed to steel windows/ any opening by providing flat/ square bar, etc by applying one coat of primer and two coats of enamel paint complete in all respect as per the direction of the engineer.	4500	KG	2.10
1.41	Providing and fixing in position collapsable steel shutters with vertical channels 20 x 10 x 2 mm and braced with flat iron diagonals 20 x 5 mm size with top and bottom rail of T-iron 40 x 40 x 6 mm with 40 mm dia steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles including applying a priming coat of approved steel primer and two coats of enamel paint.	2	SQM	0.10
TOTAL PERCENTAGE FOR CIVIL PART (AS PER NOTES OF SCH-1)				100.00
1.42	NON-SCHEDULE ITEM (For items not covered above schedule, bidder to quote % below/ at par/ % above of DSR-2013)			
1.42.1	Rate of complete item.	___%		
1.42.2	Rate of supply of materials at site only.	___%		
1.42.3	Rate for execution complete excluding supply of materials.	___%		

VOLUME-III PRICE SCHEDULE, REV-01			
CONSTRUCTION OF FIELD HOSTEL, MISCELLANEOUS CIVIL WORK, ETC INCLUDING SUPPLY OF MATERIALS AT 2X660 MW IB THERMAL POWER STATION, BANHARPALLI, ODISHA.			
TENDER NO : PSER:SCT:BNP-C1679:15.			
SCH-3 - ELECTRICAL PART			
SL NO	DESCRIPTION OF ITEM	QUANTITY	ALLOTTED PERCENT (%)
2.0.	ELECTRICAL & OTHER WORK		
2.1	Supply & fixing 240 V DP ELCB of rating 20 A.	5 NO	0.70
2.2	Supply and fixing 240 V single door MCB distribution board made fo sheet steel duly painted enclosure along with interconnetion with incoming 1 no TP 63 Amp MCB,outgoing 4 no 32 Amp MCBs complete with internal busbar connection.	10 NO	1.70
2.3	Supply and fixing 240 V single door MCB distribution board made fo sheet steel duly painted enclosure along with interconnetion with incoming 1 no TP 32 Amp MCB,outgoing 2 no 16 Amp MCBs , 3 no 6 Amp MCBs and 2 no 4 Amp MCBs complete with internal connection ( Bachelor type).	14 NO	2.70
2.4	Supply and fixing 240 V single door MCB distribution board made fo sheet steel duly painted enclosure along with interconnetion with incoming 1 no TP 32 Amp MCB,outgoing 5 no 16 Amp MCBs , 6 no 16 Amp MCBs complete with internal connection ( for family type).	5 NO	1.30
2.5	Supply and fixing of 240 V single door MCB distribution board made of sheet steel duly painted enclosure along with interconnetion with incoming 1 no TP 32 Amp MCB, outgoing 4 no 16 Amp MCBs, 4 no 6 Amp, 1 no 4 Amp MCBs complete with internal (for Siemens type flats)	8 NO	1.70
2.6	Supply and fixing of 240 V single door MCB distribution board made of sheet steel duly painted enclosure along with interconnetion with incoming 1 no TP MCB, outgoing 4 no 32 Amp MCBs, 4 no 16 Amp, 1 no 6 Amp MCBs complete with internal (for VIP type flats)	2 NO	0.50
2.7	Supply and fixing of 240 V single door MCB distribution board made of sheet steel duly painted enclosure along with interconnetion with incoming 1 no TP 32 Amp MCB, outgoing 4 no 16 Amp MCBs, 4 no 6 Amp, 1 no 4 Amp MCBs complete with internal (for VIP common type flats)	3 NO	0.60
2.8	Supply and fixing of 240 V incoming TP 32 Amp MCB in single door MCB distribution board made of sheet steel duly painted enclosure	5 NO	0.50
2.9	Supply and fixing of 240 V outgoing SP 16 Amp MCBs single door MCB distribution board made of sheet steel duly painted enclosure	19 NO	1.10
2.10	Supply and fixing of 240 V outgoing SP 6 Amp MCBs single door MCB distribution board made of sheet steel duly painted enclosure	18 NO	1.00
2.11	Supply and fixing of 240 V outgoing SP 4 Amp MCBs single door MCB distribution board made of sheet steel duly painted enclosure	4 NO	0.20

SL NO	DESCRIPTION OF ITEM	QUANTITY	ALLOTTED PERCENT (%)
2.12	Supply and fixing of suitable sized PVC switch board 150 X 100 mm with matching color cover including interconnection with 240 V, 5 pin, 5 A socket, piano switch etc.	64 NO	1.00
2.13	PVC switch board 100 X 75 mm with matching color cover including interconnection with 240 V, 5 pin, 5 A socket, piano switch etc.	65 NO	1.00
2.14	PVC switch board 100 X 75 mm with matching color cover including interconnection with 240 V, 5 pin, 15 A socket, piano switch etc.	70 NO	2.20
2.15	Supply and fixing of 5 Amp piano key type switch for call bell, fans, illumination system etc. .	350 NO	0.40
2.16	Supply of Anchor make piano key type switches, 240 V, 5 pin, 5 A socket & 5 A switch. for misc. use of electrical appliances	235 NO	0.70
2.17	Supply of Anchor make piano key type switches, 240 V, 15 A 5 pin socket & plug-top fitted on suitable sized PVC box for misc.use of electrical appliances .	200 NO	1.50
2.18	Supply and fixing of 5 Amp fuse socket	155 NO	0.30
2.19	Supply and fixing of Indication lamp	155 NO	0.30
2.20	Supply and fixing of Calling bell	16 NO	0.20
2.21	Supply and fixing of Calling bell back push switch	16 NO	0.10
2.22	Supply and fixing of fan regulator (Electronic).	66 NO	0.90
2.23	Supply & fixing of composite type 1-ph AC machine starter with 15 A, 3 pin socket & plug-top fitted on suitable sized PVC box.	35 NO	2.10
2.24	Supply and fixing of PVC ceiling rose.	275 NO	0.30
2.25	Supply of standard 48" sweep ceiling fan.	60 NO	8.00
2.26	Making necessary arrangement during construction and fixing of standard 48" sweep ceiling fan. Scope includes fixing from roof ceiling providing plate with fasteners (4 nos) and S hook duly fixed, commissioning of 48" sweep ceiling fan alongwith mounting rod and 100 W electronic regulator; tubular down rod of suitable size, fabrication & supply of hardwares for above ceiling fans including painting, etc.	60 NO	0.30
2.27	Supply of standard 230 V , 12" exhaust fan fitted with external louvre complete.	50 NO	4.40
2.28	Making necessary arrangement during construction and fixing of standard 230 V, 12" exhaust fan fitted with external louvre, complete. Scope includes fixing, wall cutting, finishing, making good of same, commissioning of 12" composite exhaust fan with louvre.	50 NO	0.10
2.29	Providing surface of pendent mounting extruded Al HSG FTL lamp with electronic ballast (equivalent to Bajaj, Cat no BCIR 136WEB ) fitted with lamp type 1 X 40 W (Crompton/ Philips/ Bajaj make) including fixing on wall, false ceiling or under roof tusties with clamps as required.	100 NO	5.50
2.30	Providing ultra slim fixture without diffuser, with domestic electronic ballast , suitable for T5 FTL fitted with lamp type 1 X 28 W T5 FTL (Havells/ Philips/ Bajaj make) including fixing on wall with clamps as required.	50 NO	1.10

SL NO	DESCRIPTION OF ITEM	QUANTITY		ALLOTTED PERCENT (%)
2.31	Supply of outdoor luminaire type 1 x 70 W HPSV lamps in cast Aluminium body with acrylic cover along with lamp, control gear, etc including all fixing/ supporting accessories complete. Model: BHMSC-70SV of Bajaj or equivalent of Philips/ Crompton.	150	NO	3.90
2.32	Fixing on wall with 40 mm dia swan neck GI pipe with suitable clamp, etc & commissioning of outdoor luminaires suitable for	160	NO	0.50
2.33	Supply, drawing through PVC case, termination, testing & commissioning of 1 core 6 sqmm PVC insulated, stranded Copper wire of 1.1 KV grade as lighting & power wiring.	3500	RM	14.60
2.34	Supply, drawing through PVC case, termination, testing & commissioning of 1 core 4 sqmm PVC insulated, stranded Copper wire of 1.1 KV grade as power wiring.	250	RM	0.70
2.35	Supply, drawing through PVC case, termination, testing & commissioning of 1 core 2.5 sqmm PVC insulated, stranded Copper wire of 1.1 KV grade as lighting & power wiring.	8000	RM	15.00
2.36	Supply, drawing through PVC case, termination, testing & commissioning of 1 core 1 sqmm PVC, stranded Copper wire of 1.1 KV grade as lighting wiring.	6000	RM	4.80
2.37	Supply, drawing through PVC case, termination, testing & commissioning of 1 core, 1 sqmm PVC insulated, stranded green Copper wire of 1.1 KV grade as earth wiring.	2750	RM	2.20
2.38	Supply and fixing of 1" dia flexible PVC case with all bends tees circular box clamps, saddles etc along with the accessories in surface/ recess in beam/ roof slab/ wall including chase cutting the wall/ above false ceiling and making good the same as required.	4850	RM	3.40
2.39	Supply & fixing of flush type 4" x 4" GI box with 5"x 5" PVC top cover of matching colour with wall.	190	NO	2.30
2.40	Supply & fixing of flush type 4" x 12" GI box with 5" x 13" PVC top cover of matching colour with wall with 3 nos 5A switch & 3 nos 5A socket.	110	NO	3.40
2.41	Supply & fixing of 415 V 100 A Iron clad TPN main switch of approved make: Havels, L&T, etc.	6	NO	3.10
2.42	Supply & fixing of 415 V, 100 A Iron clad TPN bus-bar chamber having Al busbars (with adequate nos of holes for cable/ wireconnection) fitted on box through porcelain insulator: (LxBxT) 500 x 50 x 5 mm of approved make: Havels, L&T, etc.	6	NO	0.20
2.43	Supply & fixing of PVC 4-way MCB box 8" x 8".	25	NO	1.30
2.44	Supply & fixing of PVC angle holder.	300	NO	0.50
2.45	Supply & fixing of timer based automatic on/ off system for outside illumination. Composite operating mechanism should be the assembly of 63 A TPN contactor, timer, etc complete with internal wiring & fitted inside a sheet-metal box. All components to be of standard make: L&T, Havels, etc.	5	NO	0.60
2.46	Supply & fixing of central calling bell (electronic) with LED display arrangement for call identification of any standard make.	2	NO	0.10
2.47	Providing wall mounting/vertical recess mounted downlighter suitable for retrofit CFL luminaires fitted with 1x23W CFL Retro Spiral, lamp type (Havells/ Philips/ Bajaj make) including fixing under roof with suitable arrangement.	50	NO	1.00
TOTAL PERCENTAGE FOR ELECTRICAL PART (AS PER NOTES OF SCH-1)				100.00

**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	Construction of Field Hostel, Miscellaneous Civil Work, etc including supply of materials at 2x660 MW IB Thermal Power Station, Banharpalli, Odisha.	
Ref	1.0	Tender no PSER:SCT:BNP-C1679:15.
	2.0	BHEL's NIT, vide reference no PSER:SCT: BNP-C1679:4502 Date: 06-06-2015
	3.0	BHEL's TCN-01,vide reference no PSER:SCT: BNP-C1679:TCN-01 Date: 12-06-2015
	4.0	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)