



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:NKP-C1590:TCN-01

Date: 06/09/2014

Sub	Tender change notice (TCN) 01	
Job	Construction & development of BHEL Field hostel complex & residential quarters including roads & drains,gates & fencing, supply of furnishing items (like AC, Geysers Refrigerator,TV, etc.) at 3x660 MW North Karanpura STPP, Jharkhand.	
Ref	1.0	Tender no PSER:SCT: NKP-C1590:14.
	2.0	BHEL's NIT, vide ref no PSER:SCT: NKP-C1590:14:3915 Dated 29/08/2014 .
	3.0	Other references (if any).

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

- 1.0 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 Offer from bidders in superseded price schedule (Vol-III, REV-00) shall not be considered.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).**
- 2.0 Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached Format only.
- 3.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LTD

Sr. ENGR (SCT)

Encl

- 1.0 Revised 'No deviation certificate' format.
- 2.0 VOL-III-PRICE SCHEDULE, REV-01.

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 : 23211495/ 1691

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 & development of BHEL Field hostel complex & residential quarters including roads & drains, gates & fencing, supply of furnishing items (like AC, Geysers Refrigerator, TV, etc.) at 3x660 MW North Karanpura STPP, Jharkhand.	
Ref	1.0	Tender no PSER:SCT: NKP-C1590:14.
	2.0	BHEL's NIT, vide ref no PSER:SCT: NKP-C1590:14:3915 Dated 29/08/2014 .
	3.0	BHEL's TCN-01, vide ref no PSER:SCT:NKP-C1590:TCN-01 Dated 06/09/2014.
	4.0	Other references (if any) .

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, SALT LAKE CITY, KOLKATA - 700 091
फैक्स/Fax : (033) 23211960 फोन/Phone : बोर्ड/EPABX : 23211495/ 1691

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

Construction & development of BHEL Field hostel complex & residential quarters including roads & drains,gates & fencing, supply of furnishing items (like AC, Geysers Refrigerator,TV, etc.) at 3x660 MW North Karanpura STPP, Jharkhand.

Tender no PSER:SCT:NKP-C1590:14

SL	PREAMBLE
1	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully 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.
2	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
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 thirty 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/* 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.
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.

VOLUME-III
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Tender no PSER:SCT:NKP-C1590:14

SL	PREAMBLE
14	Bidders are not allowed to alter the Price Schedule format including item description,quantity etc. and the offer is liable for rejection if the bidders submit their prices in Price Schedules modified by them.BHEL reserves the right to reject the offers of bidders who submit offers in Price Formats which are modified/alterd by them.
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 will be shall be considered for evaluation unless stated otherwise.
21	In case of BOP packages, if Bidder does not quote/indicate the price for freight chages against indicated rate schedule, the same shall be considered as 2% of basic price and adjusted with the total quoated price against each item keeping the total quoted price unaltered.

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Tender no PSER:SCT:NKP-C1590:14

MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
(A) CIVIL WORKS					
EARTHWORK/SITE CLEARANCE/ROADWORK					
1	Clearing jungle including uprooting of rank vegetation, grass, brushwood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 200 m outside the periphery of the area cleared	sqm	4288		
2	Surfact dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5m in all kinds of soil.	sqm	4288		
3	Earth work in excavation in all types of ordinary and hard soil by mechanical means (Hydraulic excavator) / manual means including stacking the excavated soil, dressing of sides and ramming of bottom, dewatering of accumulated water from any source and keeping the surface dry for subsequent works such as concreting form work etc. and disposal of surplus excavated soil as directed, disposed soil to be neatly levelled and dressed lead upto 50 meters and lift upto 1.5 meter complete.	cum	762		
4	Back filling available excavated earth in trenches, plinth, slides of foundations etc., including re-excavating the deposited soil excavated earlier, breaking clods, laying at all depths and heights in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering complete lead upto 50 Metre and lift upto 1.5 Meter.	cum	272		
5	Disposal of surplus excavated earth and debris including re-excavating the deposited soil earlier, transportation, loading, unloading, laying at all depths and heights, leveling and dressing both the area (viz. From where earth is transported and where it is deposited) to required levels and slopes, complete with all lifts as directed				
a	upto 1 km	cum	490		
6	Supply and Laying water bound macadam with specified stone aggregate stone screening and binding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc. complete with supply for stone aggregate, screenings, kankar, moorum and red bajri etc.				
a	Base course with 63 mm to 45 mm size including stone screening 13.2mm size.	cum	35		
7	Supplying the good earth from outside the site including the cost of filling the same within the site in layer not exceeding 20cm in depth & consolidating each deposited layer by ramming and watering including all leads & lifts etc. complete.	cum	410		
8	Providing approved quality Yellow /silver sand and filling the same where required under floors etc., watering, ramming, consolidating, grading and finishing to final levels and slopes for all lifts and leads involved, complete as directed (Payment to be made for solid measure of the consolidated filling).	cum	118		
PCC					
9	Providing and injecting chemical emulsion for pre-constructional anti-termite treatment and creating a chemical barrier under and around the chemical pits, wall trenches, top surface of plinth filling, junction of wall and floor, along the external perimeters, plinth protection of building and expansion joints, surrounding of pipes and conduits, etc. complete as per specification. Holes up to 50 mm to 75 mm deep at 150 mm centre to centre both ways shall be made with 12 mm diameter steel rod on the surface to facilitate saturation of soil with the chemical emulsion. (Chlorpyriphos (20% E.C.)with 1% concentration)	sqm	2363		

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MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
10	Plain cement concrete of mix 1:3:6 (1 cement : 3 coarse sand and 6, 20 mm down graded stone aggregate) for column footing, levelling, floors etc., including cost of all materials, lead, lift, labour charges, consolidation, shuttering, curing etc. complete.	cum	289		
11	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm bed of dry brick ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth .	sqm	429		
12	Providing and laying damp proof course 40 mm thick with concrete grade 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size and applying a coat of residual petroleum of penetration 80/100 of approved quality using 1.7 kg per sq. metre on damp proof coarse after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in KEROSENE OIL.	sqm	252		
13	Providing and fixing at ground level precast 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) cement concrete in kerbs,RCC sleepers, edgings,drains,etc. as per approved pattern and placed in position	cum	19		
	BRICKWORK				
14	Brick work with class designation 75 in cement mortar 1:6 (1 cement : 6 coarse sand) in foundation, plinth and super structure in thickness of 230 mm including cost of all materials, lead lifts, labour charges, mixing mortar, laying bricks, racking joints, curing etc. all complete as per drawing and specification and direction of Engineer In-charge	cum	1024		
15	Brick work with brick of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) in super structure in thickness of 115 mm including cost of all materials, lead lifts, labour charges, mixing mortar, laying bricks, racking joints, curing etc. all complete as per drawing and specification. 2 nos. MS rods of 6 mm dia are to be provided after every 3rd layer for which no additional payment will be made.	sqm	1383		
	RCC				
16	Reinforced cement concrete of mix 1:1.5:3 (1 cement, 1.5 coarse sand and ,3 :20 mm down graded aggregate) for column footing, sunshades, shelves, lintels etc. including cost of materials, lead lift, labour charges for concreting, curing etc. complete.	cum	156		
17	Centring and shuttering including providing all shuttering material, strutting, propping etc. and removal of form work for : Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	832		
18	Providing and placing mild steel/ tor steel reinforcement for RCC work including cost of all materials, labour for cutting, bending, binding and placing in position complete as per drawing and instruction of Engineer.	MT	19		
19	Fabricating and fixing in position, M.S.Holding down bolts with sleeves and washers, nuts and lock nuts etc. including threading of required length and type as per instructions of Engineer I/C				
a	Upto 20 mm dia bolt	kg	2538		
	ROOFING				

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MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
20	Supply fabrication and erection of structural steel beams,channels,plates,steel tubular trusses, purlins,gates, wind ties, base plates, gusset plates, bolts, nuts etc. complete as per drawings, specifications & instructions of engineer including cost of all materials leads, lifts labour charges etc. and one coat of primer and two coats of approved enamel paint for finished products at site complete as per technical specification and direction of engineer.				
a	Trusses (medium grade pipes),Purlins side ties, bottom ties	MT	21		
b	structural steel for columns. crane girders.etc	MT	4		
c	Wind ties (Flats) 50 x 6 mm thick, angles,box sections,soild bars for rails etc	MT	4		
21	Steel work in built up section/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel for gates, railings, frames,gratings etc.	kg	3325		
22	Providing and fixing permanently colour coated profiled GS sheet min 0.5 mm thk roofing including ridges/trims/corners of approved colour, shade and profile and side cladding fixed with self tapping/self drilling fasteners with cap complete (upto a pitch of 60 degrees) including steel primer and 2 coats of approved paint at overlaps. as per tech. specification.	sqm	2555		
CEILING					
23	Providing and fixing at all height false ceiling of 12.5mm thick tapered edge gypsum board conforming to IS : 2095 including providing and fixing of frame work made of special sections power pressed from M.S. sheet and glavanised in accordance with zinc coating 350 as per IS : 277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastner 12.5 mm dia x 40mm long with 6 mm dia bolts to the angle hangers of 25x25x.55 mm of reqd. length, and other end of angle hanger being fixed with nut and bolts to G.I.Channels 45x15x0.9 running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G.I. Channel with connecting clips made out of 2.64mm diax230mm long G.I. Wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450mm centre to centre with 25mm long drive-all screws @ 230mm interval including jointing and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, finisher and two coats of primer suitable for gypsum board as per manufacturers specification and also including the coat of making openings for light fittings, grills, diffusers, cutouts made with frame of permierter channels suitably fixed all complete as per drawing and specification and direction of the Engineer -in-charge but exluding the cost of painting.	sqm	1855		
FINISHING					
24	Providing and laying Ceramic glazed floor tiles 300 x 300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to NITCO, ORIENT, SOMANY KAJRIA, or equivalent make in colours such as white, Ivory, Grey, Fume Red Brown, laid on 20 mm thck cement mortar 1:4 (1 cement : 4 coarse sand) including the joints with white cement and matching pigment etc. complete.	sqm	210		

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Tender no PSER:SCT:NKP-C1590:14

MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
25	Providing and laying vitrified floor tiles in 60x60 cm size (thickness to be specified by the manufacturer) of NITCO, ORIENT, SOMANY KAJRIA, or equivalent make with water absorptions less than 1% and flexural strength not less than 30N/mm ² , in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete	sqm	1952		
26	Providing and fixing 18 mm thick granite slab top on kitchen pantry, toilet, counters including making cutouts for wash basins, sinks fixed over 20 mm thick 1:3 cement mortar (1 cement : 3 coarse sand) complete including rubbing, polishing, grinding edge formation as per Architect's drawings (from South Indian quarries).Black colour	sqm	42		
27	Plastering work with cement mortar 1:6 (1 cement : 6 fine sand) 12 mm thick after scrapping and cleaning the masonry joints including scaffolding, cost of materials, labour, mixing , leads & lifts, curing etc. complete.	sqm	5355		
28	Plastering work with cement mortar 1:6 (1 cement : 6 fine sand) 15 mm thick after scrapping and cleaning the masonry joints including scaffolding, cost of materials, labour, mixing , leads & lifts, curing etc. complete.	sqm	5005		
29	Providing and fixing Powder coated (thickness 40-50 microns) Al work for doors, windows, ventilators and partitions with extruded built up standard section of approved make conforming to IS:733 and IS:1285, powder coated to reqd. shade, fixed with rawl plugs and screws or with fixing clips or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with reqd PVC/ NEOPRENE felt etc. AL sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever reqd including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/ stainless steel screws, all complete ads per drawings/Engr. I/C				
a	For fixed portion	kg	210		
b	For shutters of doors, windows and ventilators including providing & fixing hinges/pivots and providing and fixing of fittings wherever reqd. including the cost of PVC/neoprene gasket reqd. complete in all respects.	kg	385		
30	Providing and fixing glazing in Al work for doors, windows, ventilators and partitions etc. with PVC/ neoprene gasket complete including glazing and panelling with plain/black glass panes of 5.5 mm thick (wt not less than 13.75 kg/sqm)	sqm	105		
31	Providing and fixing double action hydraulic floor spring of approved brand and manufacture as per IS, Hardwyn make(model 3000) or equivalent for doors including cost of cutting floors as reqd. , embedding in floors and cover plates with brass pivot and single piece M.S sheet outer box with slide plate.etc. with stainless steel cover plate as per direction of Engr. I/C	No.	11		
32	Providing and fixing IS : 3564 marked Aluminium die cast body tubular type universal hydraulic door closer, Hardwyn make (Classic Queen) or equivalent with necessary accessories and screws etc. complete.	each	88		

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MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
33	Providing and fixing steel glazed windows and ventilators of openable standard rolled steel section joints mitred and welded with 15 x 3 mm lugs, 10 cm long, with steel lugs embedded in cement concrete blocks 15 x 10 x 10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 approved graded hard stone aggregate 20 mm nominal size) or with wooden plugs and screws or raw plugs and screws or with fixing clips or with bolts and nuts as required including providing and fixing of glass panels with glazing clips and special metal sash putty of approved make complete including painting with two coats of approved quality synthetic enamel paint over a base coat of red oxide zinc chromate primer including the cost of minor repair work, if required. Windows and ventilators will be provided with horizontal steel bars (8 mm x 8 mm), welded to the frame @ 150 mm ncluding supply of MS frames, bars glazing etc. all complete. The MS window frame pattern shall be approved by BHEL before fabrication.	sqm	338		
34	Providing and fixing ISI marked flush door shutters non decorative type , core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 30 mm thick including ISI marked stainless steel butt hinges, handle,bolts, complete with necessary screws and other accessories	sqm	21		
35	Providing and fixing ISI marked flush door shutters decorative type , core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 30 mm thick including ISI marked stainless steel butt hinges, handle,bolts, complete with necessary screws and other accessories	sqm	301		
36	Providing and laying Ceramic glazed wall tiles 300x200 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 13755 of NITCO, ORIENT, SOMANY KAJARIA, or equivalent make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement Mortar 1:4 (1 cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete(2.1 m.ht.).	sqm	595		
37	Providing three coats of white wash to give a smooth and even shade including cost of materials, cleaning and preparation of surface, scaffolding etc. complete.	sqm	307		
38	Finishing walls/ surfaces with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade.	sqm	3325		
39	Distempering with Oil bound washable distemper of approved brand and manufacture and of required shade to give an even shade on new wall (2 or more coats) over and including priming coat with cement primer.	sqm	9188		
40	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade in two or more coats on new work	sqm	324		
SANITARY / SEWAGE					
41	Providing and fixing white vitreous china water closet squatting pan (Indian type / Oriss pattern WC pan) size 580 x 440 mm with 100 mm sand cast iron P trap, 12.5 Lit. high level CI flushing clastern with fittings RS or CI brackets 32 mm dia meter galvanised iron flush pipe with fitting and clamps 20 mm GI over flow pipe with special and mosquito proof coupling of approved design and GI chain and pull complete including painting of clastern and fittings, cutting and making good the walls and floors where required.	No.	4		

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Tender no PSER:SCT:NKP-C1590:14

MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
42	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, handheld water jet, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, Parryware/Hindware/Seabrid /Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	No.	56		
43	Providing & fixing flat back white vitreous china wash basin 550 x 400 mm size with single 15 mm C.P.brass pillar with R.S. or C.I. brackets painted white 15 cm C.P. brass pillar taps C.P. brass chain with rubber plug, 32 mm dia CP Brass trap and M.I. unions, C.P. waste, C.P. connection, soap dish , waste pipe complete including cutting and making good the walls wherever required under counter complete in all respects	No.	60		
44	Providing and fixing Salem Stainless Steel A ISI 304 (18/8) kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board 510x1040mm bowl depth 200mm	No.	20		
45	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 410 x 265 mm sizes respectiely with automatic flushing cisternwith standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, includign painting of fittings and brackets, cutting and making good the walls and floors wherever required:				
a	One urinal basin with 5 litre white P.V.C. automatic flushing cistern Parryware/Hindware/Seabird/Orient (Coral)	No.	18		
b	Range of three urinal basins with 10 litre white P.V.C. automatic flushing cistern Paryware/Hindware/Seabird/Orient(Coral)	set	2		
46	Providing and fixing gully, floor or Nahanitrap including 100 mm sand cast iron grating	each	135		
47	Providing and fixing bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete	sqm	35		
48	Providing and fixing 600x120x5mm glass shelf with edges round of supported on anodised aluminium angle frame with C.P brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc. complete	each	60		
49	Providng and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality colour and make (Prayag or equivalent).				
a	450mm long towel rail with total length of 495mm, 78mm wide and effective hight of 88mm, weighin not less than 170gms.	each	42		
b	600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms.	each	18		
50	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality colour and make, weighing not less than 105gms (Prayag or equivalent)	each	60		
51	Providing, laying and jointing glazed stone ware 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 dia pipe.	RM	858		

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MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
52	Providing, laying, fitting and jointing medium grade GI pipes, confirming to IS 1239 for water lines at various elevations with all fittings stop cock, valve bends, elbows, tees, reducers., etc. making grooves in the brick wall, etc. (Internal work), trenching, refilling etc. (external work) including cost of all materials, labour charges etc. complete as per specifications and drawings.				
a	25 mm dia G.I. Pipe (External work)	RM	665		
b	20 mm dia G.I. Pipe (Internal work)	RM	665		
c	15 mm dia G.I. Pipe (Internal work)	RM	1015		
53	Providing and fixing GM full way valve with C.I wheel of approved quality etc. complete.				
a	25 mm nominal bore	No.	67		
54	Providing and fixing C.P. brass 15 mm stop cock of approved quality of weight not less than 250 gms.	No.	135		
55	Providing and fixing C.P. brass 15 mm bib cock of approved quality of weight not less than 250 gms	No.	135		
56	Construction brick masonry manholes of inside size 90x80 cm and 45-60 cm deep with 75 class designation bricks in cement mortar 1: 5 (1 cement : 5 find sand), RCC top slabs with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm size), foundation concrete 1:1:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded aggregate of 20 mm nominal size) neatly finished complete as per standard design excluding CI manhole cover.	No.	49		
57	Construction of 2.0x0.90x1.60 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 M.S. 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 C.I manhole cover.	No.	9		
58	Providing and fixing square mouth stone ware gully trap grade'A' conforming to IS:651 complete with G.I. Grating, brick masonry chamber with bricks of class designation '50' and water tight C.I. Cover with frame of 300 x 300 mm size (inside), the weight of cover to be not less than 4.5 kgs and frame to be not less than 2.70 kg as per specification. 100X100 MM P TYPE	No.	25		
59	Construction soak pit of 2.5Mtr dia and 3 Mtr depth filled with brick bats including S.W. drain pipe 100 mm dia and 1.2 meter long complete as per standard design.	No.	9		
60	Providing and laying soil, waste and vent pipes, centrifugally cast (spun) iron S&S pipes				
a	100 mm	RM	333		
b	125 mm	RM	333		
61	Supplying and installation of HDPE cylindrical and vertical water tank with closed top of SINTEX or approved equivalent of undermentioned capacity with all necessary fittings including supplying and fixing input and output lines including support of brick pillars of height of 3 Mtrs each complete.				
a	500/1000/2000 Ltr. Capacity tank	per litre	16625		

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MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
62	Providing and Laying of non-Pressure NP2 class (light duty) RCC Pipe with collar of 250 mm dia jointed with stiff mixture of cement motar in proportion of 1:2 (1 cement :2 fine sand) including testing of joints etc complete	RM	254		
63	Construction of brick masonry road gully chamber 50 cm x 45 cm x 60 cm with MPS Brick of class 75 kg in cement motar (1 cement : 6 fine sand) including 500 , 450 mm RCC precast horizontal with frame completed as per standard specification	each	25		
64	Boring, installing, stabilising, and commisioning of atleast 100 mm dia borewell complete with all labour, T&P, accessories, fittings, pumps, valves, joints/connections including supply of all materials complete functional for domestic water supply. The borewell shall be of depth corresponding to throughout year water supply.	each	2		
65	Providing and fixing SS shower rose (min. 4" dia) with mixer tap from 15-20 mm inlet complete with all accessories as per directions of Engineer I/c	each	60		
	FENCING				
66	1.5 m high fencing with 2.0 m MS angle 50 x 50 x 6 mm posts (excluding cost of angle posts - to be paid elsewhere) placed every 3 m centre to centre embedded in cement concrete block (1:2:4), every 15th post last but one end post and corner post shall be strutted on both sides and end post on one side only				
a	With galvanised chain link fencing of approved quality 50mmx50mmx8 g, by means of galvanised `C` clips, with fixing of galvanised special clips for fixing along with 2mm thick GI tension wire at top and bottom etc. all complete including supply and fixing. Angle post to be paid separately. Payment terms - a) On receipt of materials at site - 70%; b) On completion of erection & fixing - 30%.	sqm	225		
67a	Supplying at site MS Angle post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes of required diameter as required etc. complete including a priming coat and two coats of enamel paint	kg	540		
67 b	Supply, fabrication and erection/fixing of structural steel work, - MS Gates etc. in position made out of channels, joists, angles, flats, 2mm plates & pipes including stiffeners, bracings, fabricated hinges, MS aldrops with locking arrangement, tempered steel pivot, guide track of MS Tee, Finished with two coats of synthetic enamel painting over one coats of red oxide primer etc. all complete as per drawing, specification and as directed by Engineer-in-charge (All material to be supplied by contractor). (Concrete for grouting of side posts for gate to be paid separately.)	MT	2.25		
68	Cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including minimum reinforcement, consolidation finishing and tamping complete including laying in position bitumen hot sealing compound for expansion joints	cum	35		
	HORTICULTURE				

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MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
69	Renovating lawns by grassing 'doob' including weeding, cheeling the grass, forking the ground, top dressing with sludge or manure, mixing the same with forked soil, watering and maintaining the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing and disposal of rubbish as directed, including supplying good earth if needed but excluding the cost of sludge or manure (the good earth shall be paid for separately).	sqm	350		
70	Preparation of beds for hedging and shrubbery and platation of hedges by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, levelling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50m lift upto 1.5 m complete including cost of sludge, manure or extra earth	cum	88		
71	Edging with bricks laid dry lengthwise including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m : 75 class designation FPS bricks	RM	350		
(B)	ELECTRICAL WORKS				
72	Supply,Erection , testing & commisioning of LT panel, 440 V, outdoor type, Electrical panel comprising of 400A Switch fuse unit as incomer with no of 200A , 100A & 63A switche fuse unit as outgoing as the common main panel complete with switch fuses, bus bar chamber, adaptor box with stand,etc making good & ready for commisioning, grouting in the floor, and commisioning is under contractors scope.	No.	2		
73	Providing and fixing1x40 Watt Batten type flourescent tube fitting (Crompton /Philips /Bajajmake), fabricated from CRCA sheet steel and finished with stove enamel paint complete with Accessories like flourescent lamp,copper wound polyster choke, starter, seat, rotor holder and terminal block duly pre-wired with copper conductor ,including connections ,fixing on wall, false ceiling or under roof tusties with clamps as required	No.	154		
74	Providing and fixing 2x40 Decorative type flourescent tube fitting (Crompton/ Philips/ Bajajmake) ,fabricated from CRCA sheet steel and finished with stove enamel paint complete with Accessories like flourescent lamp, copper wound polyster choke, starter, seat, rotor holder and terminal block duly pre-wired with copper conductor, including connections, fixing on wall, false ceiling or under roof tusties with clamps as required	No.	76		
75	Providing and fixing 1x250 WHP SV outdoor type fittings (Crompton /Philips /Bajaj) ,complete with lamp, ballast control gear box, fixing clamp etc.	No.	37		
76	Providing and fixing of following sweep exhaust fan /ceiling fan /wall mounted fan (Khaitan /Crompton make) single phase along with gravity louvers, frame /tripod for holding the motor including making necessary opening in wall, supply & fixing of assembly with grouting bolts, making connections, loop earthing etc.				
a	230 mm sweep	No.	76		
b	300 mm sweep	No.	4		
c	Wall mounted fan	No.	69		
d	Ceiling fan	No.	41		

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MAIN PRICE

Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
77	Providing & fixing of 240V, 5/15Amp 6 Pin Power socket outlet point (with15A switch). Switch/ socket to be fitted in suitable size 20 SWG metal type box with 3mm sunmica sheet.	No.	238		
78	Providing & fixing of 240 V, 5A 3 Pin Power socket outlet point (with switch). Switch/ socket to be fitted in suitable size 20 SWG metal type box with 3mm sunmica sheet along with the piano switches	No.	286		
79	Providing & fixing 5A piano type switch for Light/ Fan Control (Anchor make)	No.	557		
80	Providing & fixing of 240V, 20 Amp INDUSTRIAL Power socket outlet point (with20 AMCB). Switch/ socket to be fitted in suitable size 20SWG metal type box .	No.	139		
81	Wiring of above power sockets with 2X4 Sq.mm FRPVC insulated Copper Conductor wires as per IS, 650/1100 V grade including 1no.4sqmm FRPVC insulated Copper Conductor extra cable for loop earthing in medium grade conduit including supply of items.				
a	For 15/16/20 AMP Power sockets	Points	139		
82	Circuit/Sub main wiring in 20/25 mm PVC conduit including supplying of all conduits, clamps, wires, complete				
a	2x1.5 sq. mm + 1x1.5 sqmm earth wire	RM	1908		
b	2x2.5 sq. mm + 1x2.5 sqmm earth wire	RM	2065		
c	2x4 sq. mm + 1x4 sqmm earth wire	RM	2065		
83	Point Wiring of the following points (including supply of Wires ,conduits, clamps, boards, other misc. items) with 1.5sq.mm colour coated FRPVC insulated copper conductor wires as per IS-650/1100 volts grade in surface/ recessed PVC conduits (medium grade) including laying of 20SWGGI wire, conduit fitting, fixing of piano type control switches (Anchormake) in suitable sized 20SWG metal box with 3mm phenolic laminated sheet having provision for fan regulator, 5Amp switch socket (supplied above) included in scope)				
a	Light Point	Points	182		
b	Twin control light point	Points	44		
c	Wiring for 5/6 amps socket points	Points	461		
d	Wiring for ceiling fan and regulator	Points	84		
e	Wiring for exhaust fan	Points	63		
f	1x250 WHPSV outdoor type fitting. One number 10A DP switch to be used for controlling 2 fittings. D.P Switches to be fixed on outside of the store shed wall	Points	34		
84	Providing and fixing of 32Amp TPN with HRC fuses along with earthwire. The TPN to be provided on one side of the central shed with rain protection cover.	No.	7		
85	Supply and burying of earth select rods GI Pipe 40mm dia 4.5mtrs.Long, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe complete with salt, charcoal and including earthing upto switch board with 8 SWG GI wire.	Set	5		
86	Providing, Installation and commissioning of 24W Lighting Panel with 10 no 20 AMCB and 14nos 16 AMCB with125A SFU incomer in Sheet metal housing with double door arrangement, including all earthing and statutory requirements.	No.	4		
87	Providing, Installation and commissioning of 18 W Lighting Panel with 18 nos 16 AMCB with 63 ASFU incomer in Sheet metal housing with double door arrangement, including all earthing and statutory requirements .	No.	7		

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Sl. No.	Description of Item	Unit	QTY	Rate	Total Amount (Rs)
88	Laying of following type of PVC Insulated, PVC armoured standard aluminium conductor cable conforming to IS:1554- 1976 (part1), glanding with single compression gland, termination of both end in DB & SFU. The cable has to be laid under ground on sand cushion including backfilling, susitable clamp, clamping on surface including all materials etc. complete. This includes road crossing for which suitable GI Pipe to be provided by the contractor.				
a	3 1/2 core x 185 / 300 Sq.mm armoured cable	RM	175		
b	1/2 Core x 50 / 95 Sq.mm armoured cable	RM	175		
c	2c/3c/4c upto 16 sq.mm armoured cable	RM	350		
89	Earthing Flat 25x6 for Earthing 0.5mtr below ground as strip earth electrode including soldering as required.	RM	289		
(C)	MISCELLANEOUS				
90	Providing & fixing following type of window curtains complete with all hooks, guides, rods & other operating accessories:				
a*	Verticle blinds of approved shade, make & profile profile	sqm	27		
b*	Roller Blinds of approved shade, make & profile profile	sqm	105		
c*	Cloth curtains of approved texture, material, pattern & shade.	sqm	167		
91	Providing & Installing Electrical gadgets/accesories of LG, Samsung, Godrej, Voltas, Hitachi or equivalent make of following types:				
a*	AC Split type- 1.5T	No.	5		
b*	Window type-1.5 T	No.	20		
c1*	Refrigerator- approx. 300 ltrs	No.	2		
c2*	Refrigerator- approx. 165 ltrs	No.	1		
d*	Flat Screen wall mounted 50" Television	No.	1		
e*	Flat Screen wall mounted 21" Television	No.	20		
f*	Electrical water geyser of bajaj/crompton/eq make of capacity min 10 ltrs	No.	20		
92	Supplying and providing following furniture & Furnishing in Field Hostel				
a*	Wooden hard bed of reputed make of size 6'x3'x1.5' complete in all respect supported with 12 mm commercial ply wood.	No.	40		
b*	Matress 6' X 3' of reputed make (KURLON/SLEEPWELL/DUROFLEX)	No.	40		
93	Providing and fixing security kiosk size approx 2Mx2M in plan, front height 3M and back side height 2.9M, made of structural angle frame 65x65x6 all verticals and two horizontals with diagonals, 3 vertical sides and roof shall be covered with CGI sheet 0.5 MM thick with one each side opening 300x300MM for viewing, floor shall be made with 40 MM thick wooden planks (second class treated wood) at an height of 400MM above ground level, one wooden planks 2.0mx450mm size to be provided for sitting arrangement inside kiosk, all angles and planks top side shall be painted with one coat of primer and two coats of synthetic enamel paint finish including all labours and materials etc complete.	No.	2		
TOTAL OF ALL THE ABOVE WORKS					
94	NON-SCHEDULE ITEMS (For items not covered above schedule, quote % below/ at par/ above of DSR-2013)				

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94(a)	Rate of complete item.			_____ % below/ at par/ above of	DSR-2013
94(b)	Rate of supply of materials at site only.			_____ % below/ at par/ above of	DSR-2013
94(c)	Rate for execution complete excluding supply of materials.			_____ % below/ at par/ above of	DSR-2013