



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM::HYDERABAD::32
FACTORY CIVIL ENGINEERING DEPARTMENT

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-09/2012-13, Dt: 07.07.2012

PRICE BID

Item no.: 2

Name of work: Renovation of staff canteen (GF & FF South side).

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
	Part-I (Civil work)				
1	Removing existing Roof/ Side cladding of AC Sheets roofing, louvers side cladding including loading, carting, unloading etc., with in the premises up to a lead of 2 km etc. complete as directed by Engineer-in-charge.	150.00	Sqm	43.65	6,547.50
2	Dismantling steel work in built up sections in angles tees, flats and channels including all guest plates, bolts, cutting rivets, welding etc., including dismembering and stacking within 50 meters lead etc. complete as directed by Engineer-in-charge.	3.00	MT	890.11	2,670.33
3	Dismantling brick masonry walls for all heights, removing and clearing the debris and carting away upto to lead of 2 KM including loading, unloading and spreading segregating useful materials as directed by Engineer-in-charge including the cost of all labour scaffolding etc. complete as directed by Engineer-in-charge.	50.00	Cu.m	355.88	17,794.00
4	Dismantling reinforced cement concrete / plain cement concrete and disposing of debris upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	16.00	Cu.m	582.68	9,322.88
5	Dismantling steel /aluminium windows including chowkhats, architrave, holdfasts etc;complete and handing over the same to the BHEL stores as directed by Engineer-in-charge.	31.00	Sq.m	75.35	2,335.85
6	Dismantling M.S. partitions (Weldmesh, glazed or paneled) of standard size 1.20 M x 2.40 M or 1.20 x 3.30 M including M.S. Posts and transporting and stacking the materials for reuse etc., complete as directed by the Engineer-in-charge (The rate shall include for removing glass panes before dismantling glazed partitions and stacking glass panes) etc. complete as directed by Engineer-in-charge.	17.00	Each	643.35	10,936.95
7	Felling trees of the girth (measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable materials and disposal of unserviceable materials - From 0.6 m upto 1.20 m etc. complete as directed by Engineer-in-charge.	2.00	Each	359.80	719.60

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
8	Earth work in excavation in all soils by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50M etc. complete as directed by Engineer-in-charge.	90.00	Cu.m	103.40	9,306.00
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.	30.00	Cu.M	1,560.50	46,815.00
10	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement, including consolidation by vibrations for all works up to plinth level with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.	29.00	Cu.M	1,641.30	47,597.70
11	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement ,including consolidation by vibrations for all works upto floor five level with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.	143.00	Cu.M	2,002.00	2,86,286.00
12a	Centering and shuttering including strutting, propping etc.; and removal of form work, for columns, pillars, piers, abutments, machine foundations, posts and struts etc. complete as directed by Engineer-in-charge.	739.00	Sq.m	180.40	1,33,315.60
b	Centering and shuttering including strutting, propping etc.; and removal of form work, for slabs, lintels, beams, plinth beams and girders etc. complete as directed by Engineer-in-charge.	537.00	Sq.m	238.40	1,28,020.80
13	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding grills with binding wire all complete by cold twisted bars etc. complete as directed by Engineer-in-charge.	14.00	M.T	4,003.00	56,042.00
14	Brick work with FPS bricks of class designation 75 in superstructure above plinth level up to ground floor in all shapes and sizes in cement mortar 1:6 etc. complete as directed by Engineer-in-charge.	85.00	Cu.M	1,808.00	1,53,680.00
15	Plastering in CM 1:6, 20 mm thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc., complete -Upto 10.00 M level etc. complete as directed by Engineer-in-charge.	815.00	Sq.m	65.80	53,627.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
16	Cement Plaster to ceiling /walls with 12mm thick cement plaster finished with a floating coat of neat cement of mix 1:3 (1 cement : 3 fine sand) etc. complete as directed by Engineer-in-charge.	1,130.00	Sq.m	59.00	66,670.00
17	Plastering over roof slab in CM 1:4, 20mm thick mixed with water proofing compound, Make: "Sika" @ 3% by weight of cement as per manufacturer's specification, curing as directed. Rate quoted shall include finishing, cost of all materials and labour etc., complete. (Cement =7.69 kgs/sq.m x3% WP@ Rs 20.00 per kg = Rs 4.61) upto 10 m height etc. complete as directed by Engineer-in-charge.	535.00	Sq.m	81.30	43,495.50
18	Supplying & fixing of flush window frame with sides open able shutters and fixed double glazed window with fixed ventilators fabricated from roll formed sections made of galvanised steel powder colour coated (Base steel as per IS 513 "D" quality, galvanised as per IS 277 with Zinc of 120 grams/Sq. m) with total coated thickness of 0.60 mm. External frame should be 46 mmx52 mm. Section for glass beading should be of 20 mmx20 mm and center mullion should be of 46 mmx70 mm and section for shutter should be of 46 mmx46 mm. Coated sections should be with primer coat of epoxy primer of 5-7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns, or powder coated with pure polyester powder upto 50-60 microns thick. The frame and shutter sections should be cut to length and miter joined with corner bracket made of CRCA electroplated. Mullion section should be joined with frame/mullion using Nylon Mullion Cap Ethyl Propylene Damien Monomer (EPDM) gjunction boxes etc. complete in all respects etc. complete as directed by Engineer-in-charge. des of fixed glass. Accessories: Handle made of high grade aluminium powder coated and with nylon receiver. Gaskets made of Ethyl Propylene Damien Monomer (EPDM). Corner brackets made of CRCA with zinc phosphating. Mullion caps made of glass filled nylon. Glass: Glass shutter and fixed glass portions should be provided with a glass of 20 mm (5 mm plain glass + 10 mm Hermitically sealed air gap + 5 mm plain glass). Window frame should be fixed to brick/concrete masonry by using Nylon self-expanding caps and driving MS electroplated 80 mm long screws into the caps through frames. Any minor gaps between frame and brick work shall be sealed with silicon material at both sides to avoid seepage of rain water/loss of air condition system etc. complete as directed by Engineer-in-charge. MAKE: SHAKTI/AJANTHA OF NCLSECCOLOR	65.00	Sq.m	4,046.00	2,62,990.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
19	Vitrified flooring: Supply and laying of vitrified tiles of Wood Strips design of M/s Techno floor / RAK make, Premium Quality (1st Quality), in rough texture for floors/skirting/cladding using vitrified tiles of size 600x600 mm ($\pm$ 5 mm), inclusive of cost of cutting, champering of tiles to required size, with base of Conmax C-500/equivalent tile adhesive for fixing tiles on existing flooring, laying of tiles in required design with spacers or without spacers jointing the tiles with acid proof colour tint "MIC" make etc. complete as directed by Engineer-in-charge. The rate quoted shall include cost of all materials, labour, adhesives, colour tint material, leads and lifts etc. complete. Amount will be paid on the basis of measurement of the area of finished work only. It also includes surface preparation of existing floor giving necessary slopes, cleaning joints and grouting joints with pigmented additives to match shade of the tile. This includes making pockets for electrical, communication, network cables, junction boxes etc. complete in all respects etc. complete as directed by Engineer-in-charge.	365.00	Sq.m	950.00	3,46,750.00
20	Applying exterior emulsion paint two coats of given shade on old surfaces of walls at all heights of the buildings of shop annexes including scraping the old surfaces, cost of all labour and other incidentals. (Only exterior emulsion Paint will be issued by BHEL on FREE of cost at their stores) etc. complete as directed by Engineer-in-charge.	415.00	Sq.m	20.55	8,528.25
21	Applying two coats of oil bound distemper of given shade over a coat of primer including through cleaning of the surfaces, cost of all labour and other incidentals. (Only OBD, OBD Primer Paint will be issued by BHEL on FREE of cost at their stores) etc. complete as directed by Engineer-in-charge.	1,530.00	Sq.m	29.00	44,370.00
22	Providing 50mm thick purdi walls and side drops in CM 1:4 at all floors including cost of form work, supplying and trying of chicken mesh net to reinforcement , cost of binding wire and providing border bands and openings if any, curing etc.; complete but excluding cost and fabrication of MS reinforcement which will be paid for separately etc. complete as directed by Engineer-in-charge.	22.00	Sq.m	98.40	2,164.80
23	Supply & fixing in position PVC Pipes of 110mm (4") dia(as per IS 6kg/sq.m) of best quality for drainage lines / urinal / hand wash areas including chasing the brick wall, concrete etc. and making good the same after fixing the same etc. complete as directed by Engineer-in-charge.	50.00	RM	211.00	10,550.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
24	Supply and fixing of aluminum window grills of size 1.50 Mx1.80M approx. and 1.20 mx1.80M approx. . along with aluminium frame consisting aluminium 'F' (solid) 0.80kg/12' supply and fixing of design of 2" aperture aluminium grill to the above frame work with necessary fixtures. It includes fixing of total frame to the existing brick work, finishing etc. complete. (The material shall be aluminium alloy :6063, thick 7 mm, ultimate tensile strength more than 19 kgs/sq.mm) etc. complete as directed by Engineer-in-charge.	65.00	Sq.m	1,540.00	1,00,100.00
25	Repairs to the existing wooden / aluminium partitions and doors, removing the bends and re-fixing them in position including cutting, planning etc., complete. The work includes the removal of glass panes and doors if any and re-fixing them in position. The rate quoted shall include cost of all materials required for the work such as nails, screws, Fevicol etc. complete as directed by Engineer-in-charge.	30.24	Sq. m	58.20	1,759.97
26	Supply & fixing of 6 mm thick mirror of approved quality "Modi float/Saintgobin glass", with 6 mm thick hard board back and with best quality teak wood frame (design beading) all round the mirror including necessary clamps, polishing to the beading, cost of all materials etc. complete.	18.00	Sq.m	1,445.00	26,010.00
27	Supply & fixing "zoloto" make bronze push cocks. With all accessories / Cat: Art 1029 of 15mm dia etc. complete as directed by Engineer-in-charge.	52.00	Each	415.00	21,580.00
28	Supply & fixing "Marc" make oyster series brass bib cocks. With all accessories / Cat: MOY 1030 etc. complete as directed by Engineer-in-charge.	10.00	Each	506.00	5,060.00
29	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green , black of any size as approved by engineer-in-charge in skirting , risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 Kg per Sq.m including pointing in white cement mixed with pigment of matching shade etc. complete as directed by Engineer-in-charge.	77.00	Sq.m	556.60	42,858.20
30	Supply & fixing of 18 mm thick best quality approved colour and design machine cut mirror polished granite slabs in required sizes for counter wash basins, floorings, vanity counter, claddings, facials etc. including cutting, champering, rounding and mirror polishing etc. complete as directed. Cost of granite slabs shall be Rs. 1600/- per Sq. m and granite slabs of required design and colour will be selected by department etc. complete as directed by Engineer-in-charge.	110.00	sq.m	3,071.00	3,37,810.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
31	Supply & fixing in position PVC Pipes of 3" dia(as per IS 6kg/sq.m) of best quality for drainage lines / urinal / hand wash areas including chasing the brick wall, concrete etc. and making good the same after fixing the same etc. complete as directed by Engineer-in-charge.	90.00	RM	108.70	9,783.00
32	Supplying and fixing CI Nahany traps 1st quality ISI marked conforming to IS: 1729 - 1979 with C.P Grating fixing with white cement as per site requirements with standard practice - 100mm inlet - 75 mm dia (3") outlet pipe - 4 Kgs etc. complete as directed by Engineer-in-charge.	16.00	Each	200.00	3,200.00
33a	Supply & fixing 15 mm dia Nominal Bore GI pipe medium Grade properties and weight as per IS 1239 ISI mark with GI fittings including the cost of GI pipe & its fittings, chasing brick work/concrete and making good the same, cost of labour, all materials etc. complete as directed by Engineer-in-charge. Make: jindal/Zenith.	15.00	RM	131.00	1,965.00
b	.. Do... 20mm dia (3/4") Make: Jindal/Zenith.	15.00	RM	146.00	2,190.00
c	.. Do... 25mm dia (1") Make: Jindal/Zenith.	75.00	RM	191.00	14,325.00
34a	Supply & fixing of Gunmetal Gate (GM peet) valve as per IS -778 class-I, Indian make heavy type 20 mm (3/4") dia NB size etc. complete as directed by Engineer-in-charge. Make: Leader/Zoloto	3.00	Each	327.00	981.00
b	.. do ...25mm dia (1") Make: Leader/Zoloto	6.00	Each	482.00	2,892.00
35	Construction of brick masonry chamber of size 23 x 30 Cm (9" x 12") in brick work in CM 1:6 and plastering in CM 1:4, 20 mm for gully trap 150 mmx100mm including cost of excavation, PCC 1:4:8, 75 mm thick, all materials, labour etc. complete as directed by Engineer-in-charge.	8.00	Each	321.00	2,568.00
36	Supply and Fixing PVC Ventilating cowl of 110mm dia etc. complete as directed by Engineer-in-charge.	3.00	Each	14.00	42.00
37	Construction of brick masonry chamber of dimension 0.914 x 0.457 x 0.914 m (3' x 1'6" x 3') with brick in CM 1:6 including plastering over both sides with CM 1:4, 20 mm thick and fitted with light weight CI frame and cover of size 0.914 x 0.457 m in CM 1:4 including bed concrete of CC 1:4:8 as required, supplying and fixing one CI steps in brick masonry if necessary if necessary including earth work excavation in all soils, refilling around the chamber removing the surplus earth etc. complete as directed.CI frame and cover of 40 kgs etc. complete as directed by Engineer-in-charge.	3.00	Each	2,742.00	8,226.00
38a	Supplying, laying, jointing and testing 101.60 mm (4") SWG pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in Cement mortar 1:5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 1524 mm (5'0") depth and refilling with watering and tamping etc. complete as directed by Engineer-in-charge.	20.00	RM	348.00	6,960.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
b	Supplying ,laying ,jointing and testing 152.4 mm (6") SWG pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in Cement mortar 1:5:1 prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) up to 1524 mm (5'0") depth and refilling with watering and tamping etc. complete as directed by Engineer-in-charge.	50.00	RM	471.00	23,550.00
39	Supplying and Fixing CP waste Coupling - 31 mm dia etc. complete as directed by Engineer-in-charge.	12.00	Each	45.00	540.00
40	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete. - 31 mm dia etc. complete as directed by Engineer-in-charge.	12.00	Each	46.80	561.60
41	Providing and placing on terrace (at all floor levels) of polyethylene water storage tank of 1000 ltrs capacity with double layer approved brand and manufacture as per ISI with cover and suitable locking arrangement and making necessary holes for inlet and outlet and overflow pipes with fittings (ballcock, inlet and outlet nipples) without base support for tank. (Brick work will be paid separately) etc. complete as directed by Engineer-in-charge. Make:Sintex.	3.00	Each	6,000.00	18,000.00
42	Supplying and fixing plain PVC pipe of 90 mm dia of 4 kg's/cm² of approved quality with specials, accessories and approved sealing /jointing compound on the exterior of the inserted portion of the fitting and fixing in position and joining to MS gutters, including cost of all materials, sealing compound, labour etc., for all heights complete. Make: sudhakar/Nandi etc. complete as directed by Engineer-in-charge.	16.00	RM	103.86	1,661.76
				₹	23,83,159.29
	Add increase in Vat 1% over the material cost (70% of contractor scope)			₹	16682.12
		Total of Part-I		₹	23,99,841.40
Part-II (Electrical work)					
1	Supply and execute the concealed / surface PVC pipe (Sudhakar make) wiring with 1.5 sq. mm 660 / 1100. V. Grade FR PVC insulated copper wire multi strand of make Finolex / Radiant / fin cab/ Havells/ L&T. In PVC pipe of suitable dia (As per IS for wiring points) with 14 G/1.5sq.mm green colour copper wire for earth continuity. Each light / fan / exhaust fan point should be connected to three plate ceiling rose code 30090 of Roma modular type of Anchor or North West make / connector suspended duly with conduit / PVC pipe etc. as directed by engineer-in-charge.	143.00	Each	1,112.00	1,59,016.00
2	Supply and fixing of 10 Amps 250 V. SP switches for control of light fitting, fans and exhaust fans with Roma Type code : 21011 of Anchor or North West make. Fixed on a suitable modular type concealed box with suitable top cover. Testing & commissioning etc. as directed by engineer-in-charge.	143.00	Each	273.00	39,039.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
3	Supply & fixing of fluorescent tube light luminaire similar to Philips TMS501 2XTL-D36W EBE with 2 x TLD 36 Watts lamp and electronic ballasts. The light fitting shall be fixed with suitable down rods, ball and socket etc. and connection of 1.5sq.mm copper wire between ceiling rose and TL as directed by engineer-in-charge. The supply of the all materials are in the contractor's scope etc. as directed by engineer-in-charge.	64.00	Each	1,726.00	1,10,464.00
4	Supply and Fixing of 1200 mm (48") sweep double ball bearing type ceiling fan Make:USHA/CG/Orient/Almonard with all standard accessories including fan hooks, clamps and suitable down rod etc. and connecting it up to the fan point with suitable length of 16/0.2mm PVC insulated twin twisted copper conductor cable; all complete as directed by Engineer-in-charge.	64.00	Each	2,800.00	1,79,200.00
5	Supply and fixing of fan step regulator Dura EME of Anchor code :21496 fixed on a suitable Modular type concealed box with suitable top cover for above item as directed by engineer-in-charge.	64.00	Each	450.00	28,800.00
6	Supply, Erection and Testing of 230V, 12" dia(305mm), 50W, 900rpm, 1200cu.M/hr, Heavy duty Exhaust Fan. Make: USHA/CG/Orient/Almonard, complete unit, wall mounting. The fan to be connected with suitable length of 16/0.2mm twin twisted copper wire. The job involves making suitable holes in the wall inclusive of masonry work or by making suitable MS frame above +12 ft. approximately from ground level as directed by engineer-in-charge.	15.00	Each	2,800.00	42,000.00
7	Supply and fixing of 3pin, 250 V. 10 Amps power socket cum switch with indication Roma type code 21113 and 21033 of Anchor make or North West. Fixed on suitable modular type concealed box top cover including internal connection 1.5sq.mm wiring. Testing & commissioning as as directed by engineer-in-charge.	30.00	Each	426.00	12,780.00
8	Supply and installation of concealed / surface PVC Pipe(Sudhakar make) wiring with 2.5 sq. mm FR PVC insulated copper wire multistrand of make Finolex / Radiant / Fine cab / Havells / L&T. The wiring point for 25/20 A. power socket including 14 G./1.5sq.mm green colour copper wire for earth continuity. Independent circuit for each socket from power MCB distribution board (As per IS for wiring point) Testing and commissioning. The wiring should not be mixed with lighting pipe wiring and it should be run separately in the room at a height as per the site engineers' instruction as directed by engineer-in-charge.	60.00	Each	1,587.00	95,220.00
9	Supply and fixing of 3pin, 250 V. 20 Amps power socket cum switch with indication Roma type code 21124 and 21066 of Anchor make or North West. Fixed on suitable modular type concealed box top cover. Testing & commissioning as directed by engineer-in-charge.	30.00	Each	522.00	15,660.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
10	Supply and fixing of 25A, 250V box type, mounting double pole MCB and heavy duty plug & socket with O/L & S/C protection of Northwest make Cat.No. ACPU 6M - BTJ fixing on suitable modular type concealed box with suitable top cover for Air Conditioner as directed by engineer-in-charge.	30.00	Each	1,442.00	43,260.00
11	Supply & wiring with 2 X 2.5 Sqmm (36/.3mm) PVC insulated multistandard copper conductor FR cable Finolex / Radiant / Fine cab / Havells / L&T make run together with single run 2.5 sq.mm PVC insulated multistranded copper conductor FR Cable for earth continuity, run in concealed / surface rigid PVC conduit pipe (sudhakar make) for run of mains as directed by engineer-in-charge.	750.00	Rmt.	131.00	98,250.00
12	Supply and Installation of MCB DB with TPN 415V, 12way (for lighting & power circuits) consisting of 20A - 6 Nos & 32A-- 6 nos MCBs on each phase with double door metallic cover, sheet enclosed, dust & vermin proof. Model S210 of STANDARD/ KOPP MAKE along with controlling 100A ICTPN (sheet enclosure, Standard/KOPP make) switch fuse unit with HRC fuses, cable entry & reverse entry box, cable glands, PVC marking ferrules etc. It is to be concealed in the wall or as per the site engineer's instructions. The job includes labeling / writing the connection chart inside the door with WHITE duco paint as required, double earthing, testing & commissioning as directed by engineer-in-charge.	2.00	each	19,111.00	38,222.00
13	Supply and Erection of Earth pits for Equipment body earthing with 65mm dia GI pipe Medium (class-B), strictly as per IS: 3043, 3000mm long with holes of 12mm dia at 150mm apart at random & 50x6x260mm MS Earthing plate welded to pipe as per drawing. The work including supply of material for alternate layers of charcoal, salt (75kg & 150kgs respectively) and making RCC/brick chambers with MS/cast iron cover. Contractor shall dig 300mm depth and 200mm width trench in the soil for laying the earth flat from earth pit electrode to earth mat/equipment as directed by engineer-in-charge.	4.00	Each	7,350.00	29,400.00
14	Shifting & Earthing of Equipment from nearest Earth riser with 50x6mmGI flat. Work includes supply and apply of Aluminium paint at each welding points as directed by engineer-in-charge.	160.00	Mtrs	22.00	3,520.00
15	Supply and fixing of 8 SWG copper bare wire at for earthing of MCB DB; complete as directed by Engineer-in-charge.	5.00	Kg.	607.00	3,035.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
16	Shifting, erection, testing & commissioning of LT panel board (BHEL supply). The panel board consist of 2 Nos. of 2000 A incomers and 6 Nos of 630 A outgoing breakers. The panel board should be erected on the suitable MS fame at a height of 500 mm as per site requirement and aligned, The panel board compartments are to be neatly assembled, reconditioned & rewired as per drawing. The job includes meters/ relays fixing, double earthing with GI flat of size 50x6mm. Size : 2750(L) X 615(W) X 1850(H) as directed by engineer-in-charge.	1.00	Each	6,660.00	6,660.00
17	Excavation of cable trench(500 mm X 600 mm) as directed by engineer-in-charge.				
	a) In soil, excavation of 600 mm deep and 500mm width trench, supply & spreading of sand, supply & laying of bricks & shaped stone as per IS:1255 1983 and back filling after cable laid with marking plates.	124.00	Mtrs	327.00	40,548.00
	b) Cutting of Road, RCC & Hard rock and back filling after pipes with proper concreting & cementing	42.00	Mtrs	400.00	16,800.00
	c) Supply & laying of 9" dia 2 M long RCC hume pipes at Road and floor cuttings including connection collar for hume pipes.	21.00	Nos	668.00	14,028.00
18	Shifting and laying of LT power PVC armoured aluminium cable (BHEL supply) including Dressing as directed by engineer-in-charge.				
	a) 31/2C X 300 sq.mm	860.00	Mtrs	24.00	20,640.00
	b) 31/2C X 95 sq.mm	175.00	Mtrs	16.00	2,800.00
19	Power cable termination including supply of cable glands & lugs(Copper) as directed by engineer-in-charge.				
	a) 31/2C X 300 sq.mm	12.00	Nos	1,550.00	18,600.00
	b) 31/2C X 95 sq.mm	8.00	Nos	617.00	4,936.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
20	Disconnection of power supply and dismantling of existing Cables, wires, power boards, switches, sockets, conduit pipes and other accessories. The removed items are to be handed over to concerned section as directed by engineer-in-charge.	LS	LS	LS	3,000.00
		Total of Part-II		₹	10,25,878.00
	Total value of work			₹	34,25,719.40
Total : ₹ Thirty four lakhs twenty five thousand seven hundred nineteen and forty paise only					

Note: The required cement and reinforcement steel for all the items will be issued free of cost at BHEL store.

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work subject to a maximum penalty of 10% of the gross value of work.
2	Service tax is extra as applicable, which will be reimbursable to the agency on production of paid proof documents.
3	The rates are inclusive of all taxes and duties.

Note : The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value in figures and words.

Tender %	In figure	In words
Excess		
Less		
Estimated value		

Name of the Contractor :

Signature of the Contractor