



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**TCN - 01**

Ref: PSER:SCT: SNG:C1325:TCN-01

Date: 17-04-2012

Sub	Tender Change Notice (TCN) - 01.	
Job	Construction of Field Hostel Block, Guest House Block, Service Block, Covered Store, Semi Covered Store, Cement Store, Office Building, RCC Sleepers, Hard Surfacing, Roads, Drains & Culverts, High GI Chainlink Fencing etc, Miscellaneous Enabling Civil, Electrical Works & Installation of Bore-Well for 2 X 600 MW Singareni Thermal Power Plant at Adilabad, Andhra Pradesh.	
Ref	1.0	Tender no PSER:SCT:SNG:C1325:12
	2.0	BHEL's NIT, vide reference no PSER:SCT:SNG:C1325 Date: 03-04-2012
	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 Offer from bidders in superseded price schedule (Vol-III, REV-00) shall not be considered.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) Due date of offer submission is 24-04-2012 (15=00 Hrs).  
**BIDDERS ARE REQUESTED TO SUBMIT THEIR OFFER BY DUE DATE OF SUBMISSION OF OFFER i.e. 24-04-2012 (15=00Hrs).**
- 3) Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 4) All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

**ENGINEER(SCT)**

Encl:

- 1.0 Revised BOQ cum price schedule format (VOL-III- PRICE SCHEDULE, REV-01)
- 2.0 Revised format of 'No deviation certificate'.

पावर सेक्टर पूर्वी क्षेत्र ( मुख्यालय )

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

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<b>VOLUME-III PRICE SCHEDULE-REV-01</b>	
<b>Construction of Field Hostel Block, Guest House Block, Service Block, Covered Store, Semi Covered Store, Cement Store, Office Building, RCC Sleepers, Hard Surfacing, Roads, Drains &amp; Culverts, High GI Chainlink Fencing etc, Miscellaneous Enabling Civil, Electrical Works &amp; Installation of Bore-Well.</b>	
<b>TENDER NO PSER:SCT:SNG:C1325:12</b>	
<b>PREAMBLE</b>	
1	<b>This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully before filling in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender as applicable and shall have precedence over any contrary statement mentioned any where in this document.</b>
2	The work shall be carried out as per specifications, description of the items in this schedule and / or engineer's instructions. Drawings enclosed with this document are only preliminary for giving some idea of the work involved.
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 etc required for carrying out different activities & tests, material, levies, taxes, 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 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 to be deleted altogether. The quoted/ accepted rates shall remain firm and valid as long as variation in total value of work executed under this contract including extra items, but excluding any price escalation, remains within +/- 30% (thirty percent) of the contract price given in the LOI/ WO.
6	Rates shall be quoted both 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. The rates quoted are inclusive of all taxes and duties viz Sales Tax, excise, octroi etc.
7	All works item wise shall be measured upon completion and paid for at the rates quoted and accepted.
8	The tenderer shall be deemed to have studied the drawings, specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
9	BHEL does not contemplate to split up the job and award the job to different bidders.
10	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.
11	Bidder's Grand Total Price, as per summary of Price Schedule shall be considered for evaluation.
12	Taxes & Duties shall be as per tender provision

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

**Construction of Field Hostel Block, Guest House Block, Service Block, Covered Store, Semi Covered Store, Cement Store, Office Building, RCC Sleepers, Hard Surfacing, Roads, Drains & Culverts, High GI Chainlink Fencing etc, Miscellaneous Enabling Civil, Electrical Works & Installation of Bore-Well.**

**TENDER NO PSER:SCT:SNG:C1325:12**

**SUMMARY OF PRICE SCHEDULE**

Sl.no.	DESCRIPTION	TOTAL PRICE ( IN Rs.)
1.0	TOTAL PRICE AS PER PRICE SCHEDULE-PART-A (CIVIL WORK)	
2.0	TOTAL PRICE AS PER PRICE SCHEDULE-PART-B (ELECTRIFICATION WORK)	
3.0	GRAND TOTAL PRICE ( SL. NO. 1.0 + SL NO. 2.0 ) (IN RS.)	
<b>NOTE:</b>		
1.0	Bidder to note that total price indicated above at Sl. No. 3.0, shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions.	

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

**Construction of Field Hostel Block, Guest House Block, Service Block, Covered Store, Semi Covered Store, Cement Store, Office Building, RCC Sleepers, Hard Surfacing, Roads, Drains & Culverts, High GI Chainlink Fencing etc, Miscellaneous Enabling Civil, Electrical Works & Installation of Bore-Well.**

**TENDER NO PSER:SCT:SNG:C1325:12**

**PRICE SCHEDULE-PART-A-CIVIL WORK**

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
<b>PART-A1</b>	<b>ENABLING WORKS FOR STORES, OFFICE, ROADS, RCC SLEEPER, HARD SURFACING, DRAIN AND MISC WORKS.</b>				
EC 1 a	Earthwork in <b>excavation</b> in all kinds of ordinary and hard soil (including slushy soil) up to a depth of 1.5m below ground level and stacking within a lead of 100 M,with necessary shoring, strutting, ramming, trimming and dressing of sides etc., including bailing / pumping out of surface water/rain water/sub soil water, cutting minor vegetation, if any, complete.	CUM	4921		
EC1 b	Earthwork in excavation in all kinds of ordinary and hard soil (including slushy soil) up to a depth of 1.5m to 3.0m below ground level and stacking within a lead of 100 M,with necessary shoring, strutting, ramming, trimming and dressing of sides etc., including bailing / pumping out of surface water/rain water/sub soil water, cutting minor vegetation, if any, complete	CUM	100		
EC 2	Filling using selected excavated materials in trenches, plinths, sides of foundations and other underground structures, pipes, area levelling etc. in layers not exceeding 250 mm thickness including lead of 100m and all lifts and including loading from stock pile, carting, unloading, filling, watering and compacting/ramming each layer, all complete as per specifications, drawings and as directed by the engineer to achieve the following densities with 90% proctor density.				
a)	Ordinary manual compaction.	CUM	3000		
EC 3	Sand filling (river sand) in plinth in layers not exceeding 15cm as directed by BHEL and consolidating same by thorough saturation with water and ramming complete including the cost of supply of sand (payment to be made on measurement of finished qty).	CUM	225		
EC 5	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. (cement - PPC/OPC/PSC to be supplied by contractor with test certificate from direct manufacturer of CCI / TOPCHEM/ CEMENT MANUFACTURING CO(STAR) /BARRACK VALLEY/ ACC/ BIRLA or equivalent).	CUM	710		
EC 6	Reinforced / plain cement concrete 1 : 1.5 : 3 ( 1 cement : 1.5 sand : 3 graded stone aggregate of 20 mm nominal size) for foundation, columns, beams, chajjas, RCC sleepers, RCC shelf, over head tanks slab, super structure slabs etc excluding cost of shuttering and reinforcement if any but including all materials, labour, curing etc complete all the levels. (cement - PPC/OPC/PSC to be supplied by contractor with test certificate from direct manufacturer of CCI / TOPCHEM/ CEMENT MANUFACTURING CO(STAR) /BARRACK VALLEY/ ACC/ BIRLA or equivalent).	CUM	1210		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EC 7	Reinforced/ plain cement concrete 1:2:4 for RCC floor etc. with approved stone chips 20mm down for floor, drain etc excluding cost of shuttering and reinforcement if any but including all materials, labour, curing etc complete all the levels. (cement - PPC/OPC/PSC to be supplied by contractor with test certificate from direct manufacturer of CCI / TOPCHEM/ CEMENT MANUFACTURING CO(STAR) /BARRACK VALLEY/ ACC/ BIRLA or equivalent).	CUM	210		
EC 8 a	Damp Proof Course 40mm thk. 1:1.5:3 concrete (10mm down aggregate) with 2% of approved admixture of water proofing compound. Hot bitumen @ 1.7Kg/sqm shall be applied before & after the DPC as per specification. (cement - PPC/OPC/PSC to be supplied by contractor with test certificate from direct manufacturer of CCI / TOPCHEM/ CEMENT MANUFACTURING CO(STAR) /BARRACK VALLEY/ ACC/ BIRLA or equivalent).	SQM	1210		
EC 8 b	60 MICRON POLYTHELENE DAMP PROOF MEMBRANE PLACED BEFORE 1:2:4 FLOOR CONCRETING WORK.	SQM	1210		
EC 9	Supply, transporting, straightening, cutting, bending, placing at any level, binding in position mild steel reinforcements in concrete including cost of reinforcement and binding wire, labour etc complete all as per specifications & drawings (Contractor will provide <b>MS round from SAIL/ TISCO/ IISCO/ SRMB/ SHRICON/ SHYAM STEEL/ ELEGANT/CONCAST</b> etc). Payment terms - a) On receipt of materials at site - 70%; b) On completion of erection & fixing - 30%.	MT	2		
EC10	Supply, transporting, straightening, cutting, bending, placing at any level, binding in position <b>high yield strength steel</b> reinforcements in concrete including cost of reinforcement and binding wire, labour etc complete all as per specifications & drawings (Contractor will provide TMT bar Fe-415/500 quality from SAIL/ TISCO/ IISCO/ SRMB/ SHRICON/ SHYAM STEEL /CONCAST etc). Payment terms - a) On receipt of materials at site - 70%; b) On completion of erection & fixing - 30%.	MT	118		
EC11	Hire and labour charges for 25mm thick shuttering for bldg. works for concrete foundations, floor/ roof slabs, beams, lintels, columns, chajja, fins etc including fitting, fixing and striking out carefully after completion of work for below ground and upto 6m height from finished floor level.				
EC11a	Without vertical props.	SQM	4050		
EC11b	With vertical props up to (+) 6M height.	SQM	1600		
EC12	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 contractor with test certificate from direct manufacturer of CCI / TOPCHEM/ CEMENT MANUFACTURING CO(STAR) /BARRACK VALLEY/ ACC/ BIRLA or equivalent).				
EC12a	Ordinary bricks / fly ash bricks, Class designation 75 below plinth lvl.	CUM	330		
EC12b	Ordinary bricks / fly ash bricks, Class designation 75, above plinth lvl upto 7.0M height.	CUM	530		
EC13	Half brick work in cement mortar (1 cement :4 sand) in foundation, plinth, pier, abutment, walls, water tank, septic tank, drains, culvert, super structure etc including cost of scaffolding and other incidental work etc. completed. (cement - PPC/OPC/PSC to be supplied by contractor with test certificate from direct manufacturer of CCI / TOPCHEM/ CEMENT MANUFACTURING CO(STAR) /BARRACK VALLEY/ ACC/ BIRLA or equivalent).				

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EC13a	Ordinary bricks / fly ash bricks, Class designation 75, below plinth level.	SQM	3530		
EC13b	Ordinary bricks / fly ash bricks, Class designation 75, above plinth level upto 7 M height.	SQM	2120		
EC14	Plaster to existing masonry concrete wall, floor, slab soffits, fins, sills etc with sand cement mortar including rounding off or chenefering 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 contractor with test certificate from direct manufacturer of CCI / TOPCHEM/ CEMENT MANUFACTURING CO(STAR) /BARRACK VALLEY/ ACC/ BIRLA or equivalent).				
EC14a	With 1:6 cement mortar average 12 mm thick plaster below GL.	SQM	1250		
EC14b	With 1:6 cement mortar average 12 mm thick plaster above GL.	SQM	5300		
EC14c	Outside plaster with 1:4 cement mortar average 15 mm thick above GL at all levels.	SQM	2620		
EC15	Supply, fabrication, erection and painting of <b>structural steel work</b> in columns, beams, wind ties, etc with simple rolled structural members connected to one with another with brackets gusset cleats, bolts & nuts or welding etc as per design & direction complete including fabrication, hoisting & erection including all materials, labour etc complete with one coat of primer & two coats of synthetic enamel painting (Contractor will provide structural steel from JINDAL/ SAIL/ TISCO/ IISCO/ SRMB/ SHRICON/ SHYAM STEEL/ RINL etc with test certificate). Payment terms - a) On receipt of materials at site - 70%; b) On completion of erection & fixing - 30%.	MT	132		
EC16	Supply, fabrication, erection and painting of steel work with <b>tubular</b> sections as per IS 1161& 1239 for roof truss, purlin etc including all materials conforming to relevant IS codes, labour etc as per drawing, specification and direction of engineer with one coat of primer and two coats of synthetic enamel painting (Contractor will provide structural steel from JINDAL /BANSAL/ TATA/ SHYAM STEEL/ RINL etc). Payment terms - a) On receipt of materials at site - 70%; b) On completion of erection & fixing - 30%.	MT	60		
EC17	Providing & fixing corrugated galvanised iron sheet ( <b>CGI</b> ) <b>0.5mm thick for roofing and side cladding</b> of TATA/SAIL/ZINDAL/BANSAL make including galvanised J or L hook, bolts and nuts 8mm dia with bitumen washer 25mmdiax 3mm thick and 1.6 mm thick limpet washer complete with all labour, tools and plants. Payment terms - a) On receipt of materials at site - 70%; b) On completion of erection & fixing - 30%.	SQM	12550		
EC18	Providing and fixing galvanised iron ridge 0.5 mm thick and 230 mm lappings on both sides of TATA /SAIL /ZINDAL /BANSAL make including fixing necessary screws, washers etc complete with all labour and tools and plants.	RM	500		
EC19	Providing, transporting, fixing of MS foundation/ anchor bolt (Grade-1 of IS:432 & IS:2062) assembly in concrete along with nuts, lock nuts, 25mm dia, 950mm long including furnishing of labour, materials, welding, etc all complete as per specification, drawing and instruction of engineer (Contractor will supply all material). Payment terms - a) On receipt of materials at site - 70%; b) On completion of erection & fixing - 30%.	KGS	4355		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EC20	Supplying, fitting & fixing openable steel window (Top hung and side hung) conforming to us IS:1036-1975 & IS:7452-1974 with non-friction projecting type of hinges fitted with revetts or nut bolt system as directed, glazing cleats, lugs, 2 nos MS anodised peg stays & fastner for each window of size 900x1200mm, 4mm thick clear glass pane (each glass max size 450x450mm), including fixing in position, fixing lug in cement concrete 1:2:4 with stone chips 12.5mm down cutting holes & mending good damage, 10mm dia MS round guard bar welded horizontally 125 c/c with each window etc complete with 1 coat of primer and 2 coats of synthetic enamel finish in all respect.	SQM	150		
EC21	Supplying, fitting and fixing fixed steel windows for store conforming to us IS:1036-1975 and IS:7452-1974 with glazing, cleats, lugs, 4mm thick clear glass pane (each glass max size 450mmx450mm), etc including fixing in position, fixing lugs in cement concrete 1:2:4 with stone chips 19mm down cutting holes & mending goods damages, with 10mm dia MS round guard bar fixed horizontally 125 c/c etc complete with one coat of primer and two coats of synthetic enamel finish in all respect.	SQM	125		
EC22	Priming one coat to timber or steel or plastered surface or other metal surface with ready mix paint of approved quantity including smoothening of surface by sand papering etc complete.	SQM	1300		
EC23	Painting two coats with best quantity synthetic enamel paint ready mix oil bound paint of approved make and brand including smoothening surface by sand pepering etc including using approved putty etc on the surface if necessary.				
EC23a	On steel or other metal or wooden surface with super gloss.	SQM	360		
EC23b	3 coats white washing with lime including cleaning and smoothening masonry surface thoroughly to give an even shade.	SQM	1200		
EC26	Providing <b>plaster of paris</b> 2 mm thick punning over finished plaster surface and finished with one coat of acrylic emulsion primer followed by two coats of <b>acrylic emulsion paint inside wall</b> to give smooth and even surface as per specification at all levels.	SQM	3250		
EC27	Two coats of water proofing cement paint of Seacem or equivalent make & shade applied on external wall including scraping the surface thoroughly on plastered or concrete surface (manufacturers specification to be followed) at all levels including all materials, labours, scaffolding etc complete as per direction of engineer.	SQM	3250		
EC28	Supply and providing ms/cgl gate sizes 4 M. wide x 5 M height (2 leaves) or 900mm wide x 2400mm height gate made of 0.5 mm C.G.I. sheet framed with 50x50x6mm angle, one diagonal with two posts ISMB 100 & all fittings and fixtures like hinges, hatch bolts, locking arrangements etc. complete as per Drawing, specification and finished with one coats of red oxide primer followed by two coats (Berger ) synthetic enamel as directed by Site In-charge.	MT	10		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EC29a	Providing attach toilet <b>for Office</b> with following facilities as directed by BHEL: (a) Inside size of toilet 1.35x1.50m, (b) 5mm thick white colour ceramic floor tile & inside walls tile upto 1.2m height from finish floor, (c) 1 white vitreous wash basin 450x300mm (Hindustan make or equivalent) with CI bracket, 15mm CP brass pillar taps, 32mm PVC waste water pipe, 32mm CP brass waste, 1 CP towel rail 550mm long, 1 best quality 550x400mm mirror etc complete, (d) 1 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 15mm/ 20mm PVC & concealed pipes, (f) main external supply water pipe line shall be 25mmdia PVC of 6m, complete in all respect including testing, (g) Soil pipe shall be min 75mm dia CI for below floor if any & outside shall be 100mm PVC of supreme or equivalent.Masonry, concreting, plastering, CGI roofing with runner etc. will be paid seperately as per respective items.	SET	4		
EC29b	Providing common toilet <b>for Office</b> with following facilities as directed by BHEL: (a) Inside size of toilet 6.0Mx2.7M, (b) 5mm thick white colour ceramic floor tile and inside walls tile upto 1.35 M height from finish floor, (c) three nos. white vitreous wash basin 550x400 mm (Hindustan make or equivalent) with CI bracket, 15 mm cp brass pillar taps, 32 mm PVC waste water pipe, 32mm CP brass waste, two CP towel rail 550mm long, two best quality 550x400mm mirror etc complete, (d) two WC chamber with European type WC Pan with seat and lid black colour, low level 10 lts capacity white PVC flushing cistern, etc (e) all inside pipe line shall be 15mm /20mm PVC and concealed pipes, (f) main supply external supply water pipe line shall be 25mm dia PVC of 12 M, (g) one bathroom with one 15 CP tap, one CP shower, complete in all respect. (h) four nos. Flat back urinal with automatic high level CI flushing system , 5 litre capacity with CP connector,(i) Soil/ drain pipe shall be min 75mm dia CI for below floor inside if any and outside shall be 100mm dia PVC of supreme or equivalent. Masonry, concreting, plastering, CGI roofing with runner etc. will be paid seperately as per respective items.	SET	1		
EC29C	Providing attach toilet (27 nos) forfield hostel , service block (1 no) and guest house (9 nos) with following facilities as directed by BHEL: (a) Inside size of toilet 2.5Mx2.0M,				
a)	5mm thick white colour ceramic floor tile	SQM	177		
b)	inside walls tile upto 1.35 M height from finish floor,	SQM	426		
c)	one no. white vitreous wash basin 550x400 mm (Hindustan make or equivalent) with CI bracket, 15 mm cp brass pillar taps,	Nos.	37		
d)	one best quality 550x400mm mirror etc complete,	Nos.	37		
e)	one WC chamber with European type WC Pan with seat and lid black colour, low level 10 lts capacity white PVC flushing cistern, etc	Nos.	37		
f)	all inside pipe line shall be 15mm PVC and concealed pipes,	RM	130		
g)	CP towel rail 550mm long,	Nos.	37		
h)	glass slelf	Nos.	37		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EC30	Consolidation of subgrade/ existing surface with 12 T power roller or vibromax including making good the undulations with earth and rerolling the subgrade for road, hard surfacing of equipment store,fabrication yard, assembly yard etc as directed by BHEL.	SQM	110000		
EC31a	Providing, laying, spreading and compacting for hard surfacing 63 mm to 0.075 mm jhama brick aggregates to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller / vibratory roller in stages to proper grade and camber, applying and brooming and binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per MoRT&H Technical Specification Clause 404.	CUM	13875		
EC31b	Providing and laying stone for making roads, etc. with specified sizes of approved quality hard rock rubble or hand broken hard metal of sizes ranging from 100mm to 150mm, etc in one layers approximately 200mm total thickness including moorum after compaction, hand packing, filling in interstices with quarry spalls/ moorum and providing a layer of 25mm thickness (consolidated) including watering, thoroughly compacting layer with 12 tonne power roller or vibromax with minimum 8 passes etc all as per the direction of the engineer and as per specification .	CUM	4375		
EC32	Providing & laying water bound macadam base for erection roads, of open equipment store, preassembly yard etc in layers of required thickness with stone aggregate 90mm to 45mm size stone screening and binding material including screening, sorting, spreading and consolidation with power road roller 12T including carriage spreading and consolidation of blinding material moorum etc Including cost of material, labour, all complete.	CUM	2625		
EC33	12 mm thick cement plaster (1:6) with 1mm neat cement punning for drain/septic tank etc complete with all materials , labour etc as directed by BHEL.	SQM	325		
EC34	1.2M high fencing with MS angle post of size 65X65X6 mm 2.45 M long post placed every 3M centre to centre embeded in concrete blocks(1:2:4), 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 diagonal sinterwoven with horizontal wires, of barbed wire 9.38 kg per 100 metres (min) between two post fitted and fixed with GI staples turn buckles, angle post shall be embeded in plain cement concrete(1:2:4)size 300x300x600mm deep below ground etc complete including excavation, backfilling, concreting, one coat of primer, two coat of synthetic enamel paint finish. Contractor will supply all materials , structural steel, paint, labour etc complete.				
EC34a	For structural angle post with two coats of bitumen based protective coating etc complete.	KGS	5000		
EC34b	Supplying, fitting, fixing galvanised chain link fencing of approved quality 50mmx50mmx8 g, by means of galvanised `C` clips, with fixing of galvanised special clips etc. Contractor to supply all materials. Angle post to be paid separately as per item no 2625 (A). Payment terms - a) On receipt of materials at site - 70%; b) On completion of erection & fixing - 30%.	SQM	3360		
EC35	Providing & fixing false ceiling with 2nd class wooden batten of 50 x 40 mm on shorter span and or 40 x 25 mm on longer span , making grid panel of 1200 x 1200 mm jaming on brick wall with cement concrete(1:2:4) and 4 mm commercial ply to be fixed on wooden frame work for false ceiling, including all labour,materials,screws, nails, 2 mm GI wire for taking supports from roof etc. complete including finished with 2 coats of synthetic enamel paint and one coat primer on false ceiling. All wooden battens to be painted with one coat of Black bituminous paint.	SQM	750		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EC37	Providing & laying of 600x600x9/10 mm thick vitrified tile locally available best quality to be laid over 30/35 mm thick 1:4 cement sand mortar and 100mm high skirting with all materials & labour etc complete.	SQM	750		
EC38	Providing PVC pipe of Supreme or equivalent quality for drinking water system for BHEL office, Field hostel with all fittings and fixtures, labour etc complete for BHEL office.				
EC38a	For external 32mm dia.	RM	342		
EC38b	For external 40mm dia.	RM	250		
EC38c	For external 50mm dia.	RM	75		
EC39	Providing PVC pipe with fittings and fixtures of Supreme or equivalent make with all materials, labour etc complete for external sewer line/ waste water line connection upto open drain or manhole to manhole/ septic tank/ soak pit for BHEL office, field hostel.				
EC39a	For external 75mm dia.	RM	135		
EC39b	For external 100mm dia.	RM	300		
EC40	Providing & fixing of wooden solid flush door with commercial ply finish, fitted with 3 MS hinges, one 8mm dia 150 mm long aluminium tower bolt, 16x300mm long Al sliding door bolt & 100mm aluminium handle, finished with one coat of primer & two coats of synthetic enamel paint etc complete.				
EC40a	25 mm thick.	SQM	100		
EC40b	30 mm thick.	SQM	110		
EC41	Providing and fixing of wooden frame work with second class sisoo or equivalent for door frame or partition wall upto ht of 2.7m with wooden batten 65X65mm, 50X25mm, 40X25mm etc. including fixing on wall/floor with MS cleats/ flats and embedded in concrete, finished with one coat of primer & two coats of synthetic enamel paint on exposed surface and bitumenous coat on masonry contact surface, etc complete with all labour & materials.	CUM	5		
EC42	Supplying, fitting and fixing oxidised MS fitting for doors ,windows etc. including all materials,labours etc complete for the following.				
EC42a	Hasp bolt and staples( safty type ) 150mm	EACH	35		
EC42b	Tower bolt				
EC42bi	100 x 10mm	EACH	30		
EC42bii	150 x 10mm	EACH	85		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EC42c	But hinge : oxidised mild steel bull hinge				
EC42ci	75 x 47 x 1.7mm	EACH	240		
EC42d	Door handle oxidised mild steel handle 125mm	EACH	140		
EC42e	Foot door stopper 15cm x 3.75cm	EACH	65		
EC42f	Sliding door bolt 300mm long , 16mm dia.	EACH	35		
EC42g	Supplying and fixing 4mm thick commercial ply on wooden frame work with both side finished with one coat of primer and two coats of synthetic enamel paint for wall partition as well as roofetc complete.	SQM	272		
EC43	Providing and fixing aluminium work for doors,windows,ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, 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 required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth,rust free,straight,mitred and jointed mechanically wherever required including cleat angle , Alumunium snap beading for glazing / paneling,C.P. brass/ stainless steel screws, all complete as per drawings and the directions of Engineer-in-charge.( Glazing and paneling to be paid for separately.)				
EC43a	For fixed portion Polyester powder coated aluminium ( minimum thickness of polyester powder coating 50 micron)	KGS	20		
EC43b	For shutter of doors,windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required ( Fittings shall be paid for separately).				
EC43b i	Polyester powder coated aluminium ( minimum thickness of polyester powder coating 50 micron)	KGS	45		
EC43c	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board confirming to IS: 12823 Graded I Type II, in panelling fixed in aluminium doors,windows shutters and partion frames with C.P. brass / stainless steel screws etc. complete as per drawings and directions of engineer-in -charge.				
EC43c i	Pre-laminated particle board with decorative lamination on both sides.	SQM	1		
EC43d	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS:6315 marked for doors including cost of cutting floors as required,embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
EC43d i	With stainless steel cover plate.	NOS.	2		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EC43e	Providing and fixing glazing in aluminium door,window,ventilator shutters and partions etc. with EPDM rubber / neoprene gasket etc. complete as per drawings and the directions of engineer-in-charge. ( Cost of aluminium snap beading shall be paid in basic item.)				
EC43e i	With float glass panes of 5.50 mm thickness.	SQM	5		
EC43e ii	Supplying best Indian glass pannes 4mm thick set in putty and fitted and fixed with nails,cleats,glazing beads etc.complete as per drawing, specifications and direction of engineer.	SQM	156		
EC43f	Suppy, fitting & fixing/ laying of GI pipe as per IS 1239/IS 3589 with all necessary accessories ie socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc complete for making connection from deep well/source to water tank for constrction/ drinking water system including cost of all necessary jointing materials labour etc all complete (payment will be made on center line meaurment of total pipeline including all specials).				
EC43f i	15 mm dia nominal bore, medium quality	RM	50		
EC43f ii	25 mm dia nominal bore, medium quality	RM	50		
EC43f iii	32 mm nominal bore, meduim quality.	RM	50		
EC43f iv	Providing & fixing P or S Trap 100 mm dia C I	NOS.	8		
EC43f v	Providing & fixing gun metal gate valve with C.I. wheel of approved quality	NOS	12		
EC43f vi	GYSER WITH FITTING (ISI,5 Lits. Capacity of Voltas or Equivalent.)	NOS	36		
EC43g	Providing & fixing in position <b>P.V.C. water tank</b> of Syntex or approved equivalent including making all necessary inlet & outlet pipes, fixture, ball cocks, valves etc all complete for following capacities. 1000 litres capacity	NOS.	4		
EC43h	Construction <b>soak pit</b> 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.	NOS.	5		
EC44	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.	NOS.	12		
EC45	Providing and laying NP3 class RCC with collars joint with stiff mixture of cement mortar 1:3 with all materials and labour. All excavation, backfilling, concreting if required shall be paid separately as per relevent items.				
EC45a	300mm dia	RM	125		
EC45b	400mm dia	RM	180		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
<b>PART-A2</b>	<b>THREE NO BORE WELL</b>				
EB1	Labour for boring through any type of soil for sinking tubewell of required dia. With top enlargement by rig boring system ( either by reverse circulation or by direct rotary method ) including hire charges and labour for Rig Machine tools and plants, staging force pumping set, and making arrangement for water required for boring etc. complete and lowering of casing pipes , strainers blind pipes etc. complete for 200 mm dia upto 50 mtrs, and 100 mm dia from 100 m to 250 mtrs & beyond from G.L.. Depth of boring to be decided at the time of execution.				
a)	First 50 ( Fifty ) Mtrs. From Ground Level	Mtrs.	150		
b)	Beyond 50 ( Fifty ) but upto to 100 ( Hundred ) Mtrs. From Ground Level	Mtrs.	150		
c)	Beyond 100 ( Hundred )but upto to 150 ( Hundred fifty ) Mtrs. From Ground Level	Mtrs.	150		
d)	Beyond 150 ( Hundred Fifety ) From Ground Level ( In case good water strata is not available upto 250 M Depth.)	Mtrs.	225		
EB2	Supplying, fitting, fixing 'ORIPLAST' make or equivalent PVC casing pipes as per IS 12818-1992/ASTM-D-1785 and the following details : (Dia & length of pipe to be decided at site during execution:-				
a)	150 Nb having wall thickness of 7.5 mm (Min)	Mtrs.	150		
b)	100 Nb having wall thickness of 5.0 mm (Min)	Mtrs.	90		
c)	80 Nb having wall thickness of 4.0 mm (Min)	Mtrs.	90		
d)	50 Nb having wall thickness of 4.0 mm (Min)	Mtrs.	90		
EB3a	Supplying, fitting, fixing of 'ORIPLAST' make or equivalent PVC ribbed screen (strainer) as per IS 12818-1992. 100( Hundred) NB ( wall thickness 5.7 mm (Min))	Mtrs	30		
EB3b	Supplying, fitting, fixing of 'ORIPLAST' make or equivalent PVC ribbed screen (strainer) as per IS 12818-1992. 80 (Eighty). NB ( wall thickness 4.0 mm(min))	Mtrs	30		
EB3c	Supplying, fitting, fixing of 'ORIPLAST' make or equivalent PVC ribbed screen (strainer) as per IS 12818-1992. 50 (Fifty). NB (wall thickness 4.0 mm (min))	Mtrs	30		
EB4a	Supplying fitting & fixing reducing socket 100mm x 150 mm	No.	3		
EB4b	Supplying fitting & fixing reducing socket 100mm x 50 mm	No.	3		
EB5a	Providing & fixing bottom plug as required upto 100 mm ( internal ) dia fixed with PVC pipes with necessary fittings.	No.	3		
EB5b	Providing & fixing bottom plug as required upto 50 mm ( internal ) dia fixed with PVC pipes with necessary fittings.	No.	3		
EB6	Supplying fitting & fixing 150 mm Dia MS Housing Clamp.	No.	3		
EB7	Providing 150 mm Centre Guide for positioning casing pipes.	No.	30		
EB8	Packing the annular space in the blank bore hole at the bottom, between the outside of the tubewell pipe strainers, casing pipes, and the borehole with pea size gravel of sizes varying between 2mm to 5 mm.upto the bottom of the 150 mm dia casing pipes PAGE 12 OF 18	Mtrs	600		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EB9	Packing the annular space between the outside of the 150 mm dia casing pipe and the bore hole with puddled clay.	Mtrs	60		
EB10	Washing and developing tubewell with Air compressor of 150 PSI / 300 CFM for 8 ( Eight ) hours per day with necesasary arrangement for testing the yield in gallons per hour with V notch, including Bacteria removal treatment as necessary.	Hours	216		
EB11	Collecting sample of water for bacteriological and chemical test from any Govt. approved laboratory. Documentary evidence from Govt. approved laboratory regarding the water quality certifying that the water coming out of the borewell is safe for Human consumption.	No.	3		
EB12	Supplying fitting & fixing MS Cap at top 150 mm dia including 150 mm dia MS pipe of 1 mtr or less to be fixed with PVC pipes above ground level.	No.	3		
EB13	Geophysical investigation of the aquifer by electrologging system with all Tools anfd plants, specialist manpower, etc. as may be necessary, including submission of reports	No.	3		
EB14A	Supply & delivery of 5 HP KSB make or equivalent submersible pump motor set having duty point capacity of discharging 5 LPS of clear water at a total head of 40 mtr. Along with <b>50 mm</b> dia GI heavy duty best quality column pipes of total length 35 mtrs & lockable PVC submersible cable clamps of suitable no. and 10 mm dia steel wire rope of suitable length for protecting device with necessary galvanised nuts, bolts, washers for all complete as directed by BHEL	SET	3		
EB15a	Supplying & delivery of <b>400 volts, 30 Amps, ICTPN switch</b> with MRC fuses of make Havels or equivalent. & Suitable starter L&T or Equivalent, MS Angle Frame for mounting etc. complete.	Set	3		
EB15b	Supplying & delivery of <b>400 volts, 15 Amps, ICTPN switch</b> with MRC fuses of make Havels or equivalent. & Suitable starter L&T or Equivalent, MS Angle Frame for mounting etc. complete.	Set	3		
EB16	Installation of ICTPN switch & Starters of SI No.15a & 15b on MS angle frame on wall.	Set	3		
EB17	Drawing the double run submersible cable from the tubewell to the starter through suitable dia class - B medium GI protection tubes by supplying & laying the same on underground / under floor / wall, including laying, termination etc. all complete.	Set	3		
EB18	Supplying & laying <b>10 Sq. m 1.1 Kv grade 3.5 core PVC</b> armoured ALUMINIUM cable on wall by means of saddles from ICTPN switch to busbars to MCCB, NCCB to starter including all end termination and interconnections etc. complete.	Mtrs	150		
EB20a	Supplying fitting and fixing GI pipes of TATA medium or equivalent make with all necessary accessories, specials viz. Socket, bend, tee, union, cross, short piece etc.fitted with holder bat clamps, including cutting pipes, making threads, fittings, fixing etc. complete in all respects, including cost of all necessary fittings as required, jointing materials in position above ground. <b>50 mm dia medium quality</b>	Mtrs	150		
EB20b	Supplying fitting and fixing GI pipes of TATA medium or equivalent make with all necessary accessories, specials viz. Socket, bend, tee, union, cross, short piece etc.fitted with holder bat clamps, including cutting pipes, making threads, fittings, fixing etc. complete in all respects, including cost of all necessary fittings as required, jointing materials in position above ground. <b>40 mm dia medium quality</b>	Mtrs	150		

SL NO.	DESCRIPTION	UNIT	QTY	RATE (IN RS.)	AMOUNT (IN RS.)
EB20c	Supplying fitting and fixing GI pipes of TATA medium or equivalent make with all necessary accessories, specials viz. Socket, bend, tee, union, cross, short piece etc.fitted with holder bat clamps, including cutting pipes, making threads, fittings, fixing etc. complete in all respects, including cost of all necessary fittings as required, jointing materials in position above ground. 32 mm dia medium quality	Mtrs	100		
EB21A	Supplying, fitting, fixing 50mm dia wheel valve, gun metal of approved brand and make tested to 21 Kg/sq.cm as directed by BHEL.	Nos	3		
EB21B	Supplying, fitting, fixing 40 mm dia wheel valve, gun metal of approved brand and make tested to 21 Kg/sq.cm as directed by BHEL.	Nos	3		
EB22	Providing manpower, Consumable, T&P et. For running and maintenace without supply of major equipment for all tubewells with pump set.	Man-Months	36		
EB23	Providing manpower, materials for constrction of brick masonry pump house (inside area around 5 sqM) with brick foundation of 1 M depth from existing GL and Plinth level of Pump House shall be 600 mm from existing GL with 40 mm thick IPS flooring, 250 thick brick wall 2500mm height from PL with plaster finish in inside & outside (12/15 mm thick) all brick work & plaster 1 cement : 6 sand, with one MS angle (50x50x6) framed door with MS sheet of 3 mm thick with locking arragement,120 mm thick RCC roof concrete grade M-25 with one 150 ISMB fixed on the ceiling of the pump house for maintenance purpose, inside 3 coat of whitewash, out side 3 coats of water proof cement paint finish, the pump house inide to be wired for fixing a CFL lamp of 18W with a switchboard. The necessary supply for this illumination can be tapped from the ICTPN switch supplied for the pump motor set. All cement, steel and other materials, labour etc. required are to be supplied by the bidder	Set	3		
<b>TOTAL (PART-A1+PART-A2)(IN RS.)</b>					
<b>E1</b>	<b>MISC ITEM</b> <b>Quote % above or % below or at par for items not covered as above of this schedule. The rate shall be derived from Delhi schedule of rate 2012.</b>				
a)	Rate of complete item			_____%	
b)	Rate of supply of material at site only			_____%	
c)	Rate for execution complete excluding supply of materials.			_____%	

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

**Construction of Field Hostel Block, Guest House Block, Service Block, Covered Store, Semi Covered Store, Cement Store, Office Building, RCC Sleepers, Hard Surfacing, Roads, Drains & Culverts, High GI Chainlink Fencing etc, Miscellaneous Enabling Civil, Electrical Works & Installation of Bore-Well.**

**PRICE SCHEDULE-PART-B- ELECTRIFICATION WORK**

SL NO.	DESCRIPTION	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
<b>PART-B</b>	<b>ELECTRIFICATION WORK</b>				
EA1	Supply & fixing of iron clad main switches TPN/ DP on angle iron frame duly painted/ on wall, with all required materials, hardwares, etc. as per instruction of BHEL Engineer, of Standard make (Havells/crompton/approved make) -				
EA1a	200 Amps TPN, MSFU(Main switch fuse)	1	NO.		
EA1b	63 A TPN	27	NO.		
EA1c	30/ 32A TPN.	3	NO.		
EA1d	32A DP.	2	NO.		
EA1e	16A DP.	5	NO.		
EA2	Supply & fixing of sheet metal (16SWG) iron clad busbar chamber (W=500mm x D=150mm) on angle iron frame duly painted on wall with 4 Al bars (25mm x 5mm x 600mm) 500V, with adequate nos of holes drilled for connection of incoming & outgoing ckts, bars are fixed on porcelain insulators. Including supply of required hardwares for connection, fitted with DANGER board, all complete as per instruction of BHEL Engineer.	1	NO.		
EA3	Supply & fixing of metal sheet MCB BOX, as per instruction of BHEL Engineer -				
EA3a	4 Way	10	NO.		
EA3b	6 way	4	NO.		
EA3c	8 way	4	NO.		
EA4	Supply & fixing of Metal Junction Box with connector Lugs, as per instruction of BHEL Engineer -				
EA4a	Size ( 8"X10"X3") to terminate 10 sqmm cable and 4 sqmm cable	4	NO.		
EA4b	Size ( 8"X6"X3") to terminate 6 sqmm cable and 2.5 sqmm cable/1sqmm cable	6	NO.		
EA5	Supply & fixing of composite flush/box mounted type 250 volt 6 Pin 15 Amps Plug socket integral fuse, with single phase motor starter with overload protection, on sheet metal box with bakelite cover and earthing attachment including Switch and Fuse of matching PVC box-make ANCHOR or approved make (Pantry/Kitchen/AC), as per instruction of BHEL Engineer.	50	NO.		
EA6	Supply & fixing composite flush type 250 volt 5 Pin 5Amps Plug socket integral fuse with 5 Amps piano key type switch on sheet metal box with bakelite cover and earthing attachment including Switch and Fuse of matching PVC box-make ANCHOR /or approved make ( for Computers /printers), as per instruction of BHEL Engineer.	50	NO.		
EA7	Supply and Fixing of Switch Board(10"X14") with flush type 250 volt 6 Pin 15 Amps Plug socket integral fuse with six no.s 15 Amps piano key type switch on sheet metal box with bakelite cover and earthing attachment including Switch and Fuse of matching PVC box-make ANCHOR or approved make, as per instruction of BHEL Engineer.	20	NO.		
EA8	Supply and installation of switchboard of sheetmetal box with bakelite cover, as per instruction of BHEL Engineer -				
EA8a	Size 4"X8"	5	NO.		
EA8b	Size 4"X10"	10	NO.		
EA8c	Size 4"X4"	5	NO.		

SL NO.	DESCRIPTION	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
EA9	Supply and Installation of SP MCB for lighting / Power purpose-				
EA9a	16 Amps	10	NO.		
EA9b	6 Amps	10	NO.		
EA9c	62A/65A	26	NO.		
EA9d	25A/32A	26	NO.		
EA10a	Supply of 3.5 core 95 sqmm PVC, armoured Aluminium cable of 1.1 KV grade as per IS-1554.	1000	RM		
EA10b	Laying below ground in excavated trench average depth 800 mm with 8 nos of brick on top of the cable per meter including filling the space between brick & cable and also the trench with shifted soil levelling and restoring the surface duly rammed & compacted, as per instruction of BHEL Engineer.	700	RM		
EA10c	End termination with double compression gland and lugs.	20	NO.		
EA11a	Supply of 3.5 core 25 sqmm PVC, armoured Aluminium cable of 1.1 KV grade as per IS-1554.	1000	RM		
EA11b	Laying above ground on wall/ surface with clamps etc, chase cutting on wall/ floor, mending good damages, testing & commissioning of 3.5 core 25 sqmm PVC, Aluminium cable of 1.1 KV grade, as per instruction of BHEL Engineer.	1000	RM		
EA11c	End termination with double compression gland and lugs.	20	NO.		
EA12a	Supply of 4 core 16 sqmm PVC, armoured Aluminium cable of 1.1 KV grade as per IS-1554.	700	RM		
EA12b	Laying above ground on wall/ surface with clamps etc, chase cutting on wall/ floor, mending good damages, testing & commissioning of 4 core 16 sqmm PVC, Aluminium cable of 1.1 KV grade, as per instruction of BHEL Engineer.	700	RM		
EA12c	Laying, below ground in excavated trench average depth 800 mm with 8 nos of brick on top of the cable per meter including filling the space between brick & cable and also the trench with shifted soil levelling and restoring the surface duly rammed & compacted, as per instruction of BHEL Engineer.	700	RM		
EA12d	End termination with double compression gland and lugs.	20	NO		
EA13a	Supply of 4 core 6 sqmm PVC, armoured Aluminium cable of 1.1 KV grade as per IS-1554.	1750	MTRS		
EA13b	Laying above ground on wall/ surface with clamps etc, chase cutting on wall/ floor, mending good damages, testing & commissioning of 4 core 6 sqmm PVC, Aluminium cable of 1.1 KV grade, as per instruction of BHEL Engineer.	1750	MTRS		
EA13c	Laying, below ground in excavated trench average depth 800 mm with 8 nos of brick on top of the cable per meter including filling the space between brick & cable and also the trench with shifted soil levelling and restoring the surface duly rammed & compacted, as per instruction of BHEL Engineer.	1750	MTRS		
EA13d	End termination with double compression gland and lugs.	20	NO		
EA14	Supply, drawing through PVC conduit/casing, termination, testing & commissioning as wiring for lighting, power & earthing of -				
EA14a	1 core 10 sqmm PVC insulated, stranded Copper wire of 1.1 KV grade	500	RM		
EA14b	1 core 6 sqmm PVC insulated, stranded Copper wire of 1.1 KV grade	1150	RM		
EA14c	1 core 4 sqmm PVC insulated, stranded Copper wire of 1.1 KV grade	1675	RM		
EA14d	1 core 2.5 sqmm PVC insulated, stranded Copper wire of 1.1 KV grade	5150	RM		
EA14e	1 core 1.5/1 sqmm PVC insulated, stranded Copper wire of 1.1 KV grade	4100	RM		

SL NO.	DESCRIPTION	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
EA14f	1 core 1 sqmm PVC insulated, Green stranded Copper wire for earthing of inside building	1000	RM		
EA15	Supply and fixing of PVC conduit with all bends, tees, reducers, rectangular/circular box, clamps, saddles, etc. along with the accessories in surface/ recess in beam/ roof slab/ wall/ false ceiling and making good the same as required, as per instruction of BHEL Engineer.				
EA15a	1" dia rigid	4000	RM		
EA15b	1" dia flexible	100	RM		
EA16	Supply and fixing of PVC casing with all bends, tees, reducers, rectangular/circular box, clamps, saddles, etc. along with the accessories in surface/ recess in beam/ roof slab/ wall/ false ceiling and making good the same as required, as per instruction of BHEL Engineer.				
EA16a	1.5" dia	500	RM		
EA16b	1" dia	500	RM		
EA16c	0.5" dia	500	RM		
EA17	Supply & fixing of ceiling rose on circular boxes, as per instruction of BHEL Engineer.	50	NO.		
EA17a	Supply of outdoor luminaires type 1x70 W HPSV lamps in cast aluminium body with acrylic cover along with lamps, control gear, etc including all fixing/ supporting accessories complete. Model: BJMSC-70SV of BAJAJ or equivalent of PHILIPS/ CROMPTON.	47	NO.		
EA17b	Fixing on wall with 40 mm dia swan neck GI pipe with suitable clamps etc & commissioning of outdoor luminaires suitable for 1x70 W HPSV lamps in cast aluminium body with acrylic cover along with lamps. Including all fixing/ supporting accessories complete and flexible wire for connection between ceiling rose & fitting.	47	NO.		
EA18a	Supply of Indoor type luminaires 1x150 W medium bay industrial type, model BJMBI-150SV of BAJAJ or equivalent of PHILIPS/ CROMPTON.	45	NO.		
EA18b	Fixing from roof truss with suitable clamp arrangement, flexible wire for connection between ceiling rose & fitting and commissioning of type HPSV luminaires medium bay industrial type, model BJMBI-150SV of BAJAJ or equivalent of PHILIPS/ CROMPTON.	45	NO.		
EA19	Supply & Installation of Dual Tube Light (2x36 Watt) Fixture of standard make (Philips or approved make)	10	NO.		
EA20	Supply and installation of CFL 2x36 W decorative false ceiling type, with box base & mirror type reflectors with fixing/ hanging material/ hardware, of approved make.	243	NO.		
EA21	Supply and installation of CFL 2x36 watts with box base & vitrious enamelled reflectors with fixing/ hanging material/ hardware, of approved make.	20	NO.		
EA22	Supply of 230V 12" exhaust fan with external louvre	6	NO.		
EA23	Supply of local make approved quality Pedestal fan - 16" sweep.	10	NO.		
EA24	Supply and Installation of earth electrode 40 mm dia 3 metre long GI pipe directly driven into earth including earth excavation if required.	10	NO.		
EA25	Supplying & installation of 16 SWG GI wire for earthing including supply & termination with lugs as required.	1000	RM		
EA26	Supplying & installation of 8 SWG GI wire for earthing including supply & termination with lugs as required.	100	RM		
EA27	Supply and installation of 3.5C X2.5sqmm cable	200	RM		
EA28	deleted				
EA29	deleted				
EA30	Supply and installation of calling bell	53	Nos		

SL NO.	DESCRIPTION	QTY	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
EA31	Supply & installation of 15/ 16 A piano type switch.	142	Nos		
EA32	Supply & installation of 15/ 16 A flush type power socket.	142	Nos		
EA33	Supply & installation of 5/ 6 A piano type switch.	525	Nos		
EA34	Supply & installation of 5/ 6 A flush type power socket.	445	Nos		
EA35	Supply & installation of Ceiling Fan 48" sweep	97	Nos		
EA36	Supply and installation of aquaguard with fitting	5	Nos		
EA37	Supply and installation of Liver Pipe	1050	RM		
EA38	Supply and installation of Casin -1'	53	Nos		
EA39	Supply and installation of Tape	53	Nos		
EA40	Supply and installation of Night bulb	116	Nos		
<b>TOTAL (PART-B) (IN RS.)</b>					

## NO DEVIATION CERTIFICATE

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

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To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : **No Deviation Certificate**

Ref : 1) Tender no PSER:SCT:SNG:C1325:12

2) BHEL's NIT, vide reference no PSER:SCT:SNG:C1325 Date: 03-04-2012.

3) BHEL's TCN-01, vide reference no PSER:SCT: SNG:C1325:TCN-01 Date: 17-04-2012.

4) All other pertinent issues till date.

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred NIT/Tender Specification.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions, 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)