

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM :: HYDERABAD - 32
(TOWNSHIP ADMINISTRATION)
ELECTRICAL DEPARTMENT
SCHEDULE - 'A'

Tender No.: HY/TA/E/OT-05/2011-12

Date : 27.01.2012

Item No.: 04

Name of work :- Re-wiring of type-II quarters in township (63 blocks)

Sl. no	Nature of work	Qty.	Unit	Rate in		Amount
				figures	words	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Part - A : Electrical Wiring					
1	Supply & Wiring with 2run 1.5sq.mm (22/.3mm) PVC insulated multistranded copper conductor cable L&T / Finolex make run together with single run 1 sq mm PVC insulated multistranded copper conductor for earth continuity in concealed / surface rigid with PVC conduit pipe of 25mm dia; 1.5 mm thick (Sudhakar make) through MS junction box. Wiring includes supply and fixing of 5A, 250V ceiling rose SSK make on teak wood / PVC round block and 6A 250V piano type switch SSK make on hylam sheet of thickness 3mm preferably white with suitable MS box for control of fan, bell and exhaust fan point as directed by engineer in charge.	54	Each	751.00	(Rs: seven hundred & fifty one only)	40,554.00
2	Supply & Wiring with 2run 1.5sq.mm (22/.3mm) PVC insulated multistranded copper conductor cable L&T / Finolex make run together with single run 1 sq mm PVC insulated multistranded copper conductor for earth continuity in concealed / surface rigid with PVC conduit pipe of 25mm dia; 1.5 mm thick (Sudhakar make) through MS junction box. Wiring includes supply and fixing of 5A, 250V PVC holder (of SSK / Anchor make) on teak wood / PVC round block and 6A 250V piano type switch SSK make on hylam sheet of thickness 3mm preferably white with suitable MS box for control of light point as directed by engineer in charge.	60	Each	711.00	(Rs: seven hundred & eleven only)	42,660.00

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				figures	words	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
3	Supply & wiring with 1.5 sq.mm (22/.3mm) PVC insulated multi stranded copper conductor cable L & T / Finolex make together run with single run of 1 sq.mm PVC insulated multi stranded copper conductor for earth continuity run in concealed surface rigid PVC conduit pipe 25mm dia, 1.5mm thick (sudhakar make) through MS junction box. supply and fixing of 1 no. PVC holder (SSK / Anchor make), 2 nos. 6A,250V two way piano type/flush type switches SSK Make on Hylam sheet of thickness 3mm preferably white with suitable MS box for control from two sides for stair case light points as directed by engineer in charge	2	Each	1,074.00	(Rs: one thousand & seventy four only)	2,148.00
4	Supply & wiring with 2 run 1.5 sq.mm (22/.3mm) PVC insulated multi stranded copper conductor cable L&T / Finolex make run together with 1 sq. mm PVC insulated multi stranded copper conductor for earth continuity run in concealed surface rigid PVC conduit pipe 25mm dia / 1.5 mm thick (sudhakar make) and supply & fixing of 2/3 pin flush mounted multipurpose 6A, 250 V piano type switch and socket SSK make on Hylam sheet of thickness 3mm preferably white with suitable MS box for separate socket as directed by engineer in charge.	24	Each	554.00	(Rs: five hundred & fifty four only)	13,296.00
5	Supply & fixing and connecting of, 2/3 pin flush mounted multipurpose 6A, 250 V piano type switch and socket SSK make with internal connection 1.5sq.mm wire for control to be fixed on common switch board as directed by engineer incharge	54	Each	79.00	(Rs: seventy nine only)	4,266.00
6	Supply & wiring with 2.5 Sqmm (36/.3mm) PVC insulated multistranded copper conductor cable L&T / Finolex make run together with single run of 1.0 sq.mm PVC insulated multistranded copper conductor for earth continuity, run in concealed / surface rigid PVC conduit pipe 25 mm dia, 1.5 mm thick (sudhakar make) for run of mains, single phase two wires.	350	Rmt	124.00	(Rs: one hundred & twenty four only)	43,400.00

Sl. no	Nature of work	Qty.	Unit	Rate in		Amount
				figures	words	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
7	Supply & run of with 6.0 Sq mm PVC insulated Multi stranded copper conductor cable L&T /Finolex make run together with single run of 1.5 sq.mm PVC insulated multis tranded copper conductor for earth continuity run in concealed surface rigid PVC conduit pipe 25mm dia (sudhakar make) for run of mains, single phase (2 wire) as directed by engineer in charge.	80	Rmt	206.00	(Rs: two hundred & six only)	16,480.00
8	Supply and fixing of ding dong type door bell of Anchor / Icon make on 7" x 4" teak wood board; complete all as directed by Engineer-in-charge.	6	Each	126.00	(Rs: one hundred & twenty six only)	756.00
9	Supply and fixing of 7" x 4" M.S Box with Hylam sheet of thickness 3mm preferably white with 16A Switch and 16A socket of SSK make ; complete all as directed by Engineer-in-charge.	12	Each	225.00	(Rs: two hundred & twenty five only)	2,700.00
10	Supply and fixing of 63A, 415V rewirable fuse unit of reputable make as directed by Engineer-in-charge.	3	No.	121.00	(Rs: one hundred & twenty one only)	363.00
11	Supply, fixing and connecting of 6A-32A MCB's and 63A isolators with double door single phase 8 - way MCB box of MDS / Legrand make; complete all as directed by Engineer-in-charge.	6	No.	3,834.00	(Rs: three thousand eight hundred & thirty four only)	23,004.00
12	Supply & installation of pipe earthing arrangement comprising of 100 mm inner dia, 3 mm thick GI pipe buried upto a minimum depth of 3.0 mtrs including excavation of pit and filling the pit with homogenous layers of coke/charcoal, salt & sand etc. as required conforming to IS Standards. The earth pit to be provided with brick masonry chamber with hinged cover and watering arrangement; complete in all respects, as directed by Engineer-in-charge.	2	No.	3,177.00	(Rs: three thousand one hundred & seventy seven only)	6,354.00
13	Supply and fixing of copper flat / bare wire as directed by Engineer-in-charge. (for bus bars, connection from bottom of earth pit pipe to DB)	8	Kg	559.00	(Rs: five hundred & fifty nine only)	4,472.00

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				figures	words	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
14	Supply, fabrication and mounting of 16 SWG (1.6 mm) MS sheet enclosure for power control cubicle panel / boxes with hinges & mechanical locking arrangements etc., including cutting, bending, drilling, welding & reveting etc., complete and painting with powder coating including cost and conveyance of all materials and labour charges; complete all as directed by Engineer-in-charge.	50	Kg	184.00	(Rs: one hundred & eighty four only)	9,200.00
15	Supply & fixing of two run of 14.0 Sq.mm (twin core WPTC) PVC insulated (WPTC) sheathed weather proof AL. Conductor cable payal/gold model make 1100V grade together run with 7/20 SWG steel support wire outside building and concealed /surface in rigid PVC conduit inside the building including necessary clips insulation tape etc., for three phase service tapping as directed by engineer in charge.	70	Rmt	67.00	(Rs: sixty seven only)	4,690.00
16	Supply, fabrication and fixing / grouting of eye bolt made of MS rounds 10/12/16mm dia. as directed by Engineer in charge.	2	Kg	122.00	(Rs: one hundred & twenty two only)	244.00
17	Supply & fixing of guy insulator of 80x50mm . One guy insulators to be fixed at either ends of the GI wire supporting the service connection cable.	2	No.	44.00	(Rs: fourty four only)	88.00
18	Providing and fixing of 40 mm dia G.I. pipes complete with G.I. fittings and clamps including cutting and making good the walls, for entry of service wire to the building. Also suitable size of PVC/Rubber bushes should be provided at the entry side; all complete as directed by Engineer-in-charge.	8	Metre	264.05	(Rs: two hundred sixty four & paise five only)	2,112.40
19	supply & fixing of rigid conduit PVC pipe 40 mm dia and 2.0 mm thick (sudhakar make) on surface/concealed including bends; all complete as directed by Engineer-in-charge.	4	Rmt	72.00	(Rs: seventy two only)	288.00
20	Supply & fixing of Steel support wire 7/20 SWG with tape and new link clips to the existing weather proof wire only in case of breaking of GI wire .	70	Rmt	10.00	(Rs: ten only)	700.00

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				figures	words	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
21	Supply & fixing of bus bar insulators with necessary screw etc..	8	Each	22.00	(Rs: twenty two only)	176.00
22	Supply and fixing of crimping type copper lugs of suitable sizes confirming to I.S. specifications for cables upto 16 sq. mm. including connections; complete all as directed by Engineer-in-charge.	150	Each	10.00	(Rs: ten only)	1,500.00
23	supply and installation of 1200mm (48") sweep double ball bearing type ceiling fan of Bajaj / GEC / Crompton Greaves make, with all standard accessories, including fan hooks and clamps and connecting the fan up to the fan point with suitable length of 16./0.2mm PVC insulated twin twisted copper conductor cable; complete all as directed by Engineer-in-charge.	6	No.	1,884.00	(Rs: one thousand eight hundred & eighty four only)	11,304.00
24	Supply, fixing and connecting of electronic fan regulator (socket size) with rotary step of SSK / Anchor make; complete all as directed by Engineer-in-charge.	18	No.	236.00	(Rs: two hundred & thirty six only)	4,248.00
25	Supply and installation of 225mm (9") sweep light duty exhaust fan of Bajaj / GEC / Crompton Greaves make having propeller type metallic blades and louver shutter. The exhaust fan to be mounted properly with foundation bolts grouted to the wall and finished smooth to match the wall. The exhaust fan to be connected with suitable length of 16/0.2mm twin twisted copper cable; complete all as directed by Engineer-in-charge.	12	No.	1,579.00	(Rs: one thousand five hundred & seventy nine only)	18,948.00
26	Removing of existing burnt out winding of 1200mm/1400mm ceiling fan and rewinding the same with super enamelled copper wire of suitable gauge as per standard practice and testing, complete as directed by Engineer-in-charge. Removed winding wire shall be retained by the contractor and suitably credited its value and net value to be quoted. The rate includes cost of winding, cost of labour & testing. A minimum of six months guarantee must be given for winding defects.	5	No.	400.00	(Rs: four hundred only)	2,000.00

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				figures	words	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
27	Supply of new suitable bush / bearing of required size during overhauling of 1200mm/1400mm sweep ceiling fans as directed by Engineer-in-charge.	12	No.	105.00	(Rs: one hundred & five only)	1,260.00
28	Removing the existing paint of 1200mm/1400mm sweep ceiling fans including rubbing with emery paper and cleaning with caustic soda. The fans to be repainted with one coat of primer and two coats of good quality enamel paint (white or maroon colour) applied with sprayer to get a smooth finish; complete all as directed by Engineer-in-charge.	12	No.	225.00	(Rs: two hundred & twenty five only)	2,700.00
29	Dismantling of old wirings and fittings such as switch boards / fans / tube lights / old wire accessories etc. Removed materials to be segregated and to be handed over at stores; as directed by directed by Engineer- in-charge.	80	No.	64.00	(Rs: sixty four only)	5,120.00
30	Dismantling & refixing of three phase / single phase energy meters 5-10/20 amps 250V / 415 V as directed by Engineer-in-charge.	6	No.	96.00	(Rs: ninety six only)	576.00
Part - B : Internal Painting						-
31	Thorough Scrapping the existing painted surface by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete all as directed by Engineer-in-charge.	800	One Sq.M	3.20	(Rs: three & paise twenty only)	2,560.00
32	Applying two or more coats of 1st quality acrylic Oil bound washable distemper (ready mixed) of approved brand and manufacturer and of required shade and colour complete.as per manufacturer's specification including cost of all materials etc. complete all as directed by Engineer-in-charge.	800	One Sq.M	23.55	(Rs: twenty three & paise fifty five only)	18,840.00
33	Applying two coats of Synthetic enamel Paints of approved brand and shade to plastered surface to give an even shade including cleaning the surface of all dirt, dust and other foreign matters, sand papering and stopping, all as per standard specifications, complete all as directed by Engineer-in-charge.	130	One Sq.M	33.25	(Rs: thirty three & paise twenty five only)	4,322.50

Sl. no	Nature of work	Qty.	Unit	Rate in		Amount
				figures	words	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
34	Applying two coats of white wash to walls & ceiling, including cost of all materials complete as directed by Engineer-in-charge.	60	One Sq.M	4.10	(Rs: four & paise ten only)	246.00
					<i>for one block of 6 quarters</i>	291,575.90
	Total amount for 63 blocks				(Rupees One crore eighty three lakhs sixty nine thousand two hundred eighty one and paise seventy only)	18,369,281.70

Note:- The tenderers are required to quote their tender value on %age basis at excess or less or on par with estimated value.

Tender %	Figures	words
Excess		
Less		
Estimate rate only		

Conditions :

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	The tender % age quoted by the contractor shall be inclusive of all taxes and duties (other than service tax) as applicable from time to time.
3	Service tax will be extra as applicable for this contract. Service Tax if paid by the contractor with respect to this work will be reimbursed by BHEL on production of proper documentary evidence for having paid the service tax by the contractor.
4	In case there is any difference in the quoted % age between figures and words, the resultant higher tender value will be taken for evaluation of tender priority and while awarding, lower tender value will be taken and this should be binding on the contractor.
5	The department reserves the right to cancel the work without assingning any reasons therefor.
6	Conditional offers are not acceptable.
7	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of BHEL-HR department.