



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-39/15-16, Dt: 06.02.2016

PRICE BID - I

Item no.: 1

Name of work:- Modernisation of Rig Up Yard annexe-civil and electrical works.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
	Civil work				
1	Providing and fixing in true horizontal level 600 mm x 600mm false ceiling system manufactured by M/s. Armstrong World Industries using DUNE SUPREME RH 99 MICROLOOK EDGE WITH SILHOUETTE GRID, using hot dipped galvanized steel section, rotary stitched main tee of size 15mm x 42 mm web height, having 0.36 mm gauge at every 600 mm centre to centre maximum and rotary stitched cross tee of size 15 mm x 42 mm, having 0.33 mm gauge at every 600 mm. c/c. and wall angle of size 19 x 19 mm., having 0.35 mm gauge fixed to the periphery of the wall. The above grid is suspended at every 600mm c/c. in both directions using 2.0 mm. thick pre-straightened GI wire, and laying Dune Supreme Microlook Edge ceiling tiles manufactured by M/s. Armstrong World Industries, of size 600mmx600mmx15mm having NRC 0.50, Light reflectance of >85% (WT), thermal conductivity k = 0.052-0.057 W/m0K, Humidity Resistance of 99% (having LIFETIME GUARANTEE against SAG), having Fire Performance CLASS O / CLASS 1 (BS 476), surface having 3 coats of white paint - crisp finely granulated with micro perforations, back of the tile duly sanded and finished with a coat of protective paint over the formed grid and complete in all respects. Boards, where light fixtures to be fixed shall be handed over to Department. Make: Armstrong	205.00	Sq.m	1,302.00	2,66,910.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
2	Supply & fixing with new 12 mm thick particle board one side laminated of approved brand (Eco board) and shade for wall paneling on the wooden frame work (treated with termite and moisture resistant chemical) and also for doors, windows, cup board sliding shutters, pelmets, boxes etc. with necessary fixtures like brass hinges, door handles and stoppers etc. as directed by Engineer-In-charge. The rate quoted shall include of cost of all labour, materials such as particle boards, nails, screws, sliding rollers/bearings, fevicol etc. complete. Frame work with second class teak wood scantlings of size 50 x 25 mm as verticals and horizontals, at an interval of 90 mm c/c shall be made for fixing the Ecoboard. Joints shall be covered with inlay teak design beading and corners shall be covered with corner teak design beadings of suitable sizes. Complete in all respects. Make : Eco board	145.00	Sq. m	1,625.46	2,35,691.70
3	Supply & fixing of aluminium full/half height partitions with new anodised aluminium box section powder coated in required colour of size 101.60 x 44.45 x 2.00 mm for verticals, top and bottom horizontals at spacing suiting to the site requirements as approved. Wherever doors are coming wooden runners are to be provided in the box section. The rate shall include grouting of frame to the floor properly fixed to at ends to walls, supply & fixing of 12 mm toughened glass in required sizes, aluminium sections, labour, frosted film on glass with specified design and sizes etc. complete. (The door opening shall be deducted for payment).	85.00	Sq. m.	4,697.28	3,99,268.80
4	Providing and Laying ceramic glazed floor tiles 300 X 300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours such as white , Ivory , grey , fume red brown , laid on 20mm thick cement mortar 1:4 (1cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc.; complete.	205.00	One Sq.m	636.00	1,30,380.00
5	Supply and fixing in position medium teak wood door frame along with single leaf shutters solid core non - decorative type 30 mm thick of approved quality and brand including 3 No.s MS hinges 10 cm long and 1 no. mortise lock (Godrej make) , using scantling of size 100 mm X 75 mm (including with MS holdfasts of size 230 X 50 X 4 mm - 6 No.s and painting with coal tar to the faces coming in contact with masonry / concrete. including cost of all materials, labour etc. complete as directed by Engineer - in - charge.	2.52	Sq.M	2,989.20	7,532.78

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
6	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 4" aparture 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)	40.00	Sq.m	1,447.60	57,904.00
7	Supply and fixing of vertical blinds 100 mm in required colour along with channels, fabric bottom weights etc. complete. The basic cost of the blinds shall be in the range of Rs. 70/- per S Ft. The colour and design of the blinds will be selected by department within the specified cost. The agency shall procure the same.	45.00	Sq.m	942.87	42,429.15
	Electrical work				
1	Supply, Assembly, Erection, Testing & Commissioning of 2x36W Recess Mounted Luminaire suitable for 600x600 Armstrong ceiling mounting system. The job includes supply of 1.5sq.mm copper wire for connection. Make: Philips, Model: FBS450 2xPL-L36W IC M2 DF-WH	35.00	Nos	4,363.00	1,52,705.00
2	Shifting, Assembly, Erection, Testing & Commissioning of 2x36W different types of Tube light/false ceiling fittings. The light fitting shall be fixed with suitable down rod, ball and socket etc. and the supply of the material is in the contractor's scope .The job includes supply of 1.5sq.mm copper wire for connection between ceiling rose and TL.	2.00	Nos	590.00	1,180.00
3	Supply, Shifting, Assembly, Erection, Testing & Commissioning of ceiling fan along with free issued Electronic Regulator. The job includes supply of 1.5sq.mm copper wire for connection between ceiling rose and fan. Scope includes supply and fixing of fan hook / anchor bolt. Model: Bajaj make 56" 1400mm sweep, Ornamental design with gold finish shanks on blades and decorative canopy ceiling fan with double ball bearing along with 600mm fan rod and accessories & ROMA/ANCHOR make modular fan regulator. Model; Regal gold	20.00	Nos	2,353.00	47,060.00
4	Supply and fixing of Power Unit of 25A, 250V box type, 6M Surface mounted Heavy Duty Plug & Socket with DP MCB for Air Conditioner, The Socket should have spring loaded tubes which grip the plug tightly to avoid loose contact and Plug top should have indicator. O/L & S/C protection. North-West make. Cat.No. ACPU6M - BTJ.	4.00	Nos	1,747.16	6,988.64

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
5	Supply and execute the concealed / surface PVC/MS Pipe wiring with 1.5 sq. mm 660 / 1100. V. Grad PVC insulated copper wire multi strand of make Finolex / Rediant / fincab/ 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 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. Each circuit should not have more than 7 points 700 watts.	157.00	Points	1,162.00	1,82,434.00
6	Supply and installation of concealed / surface PVC/MS Pipe wiring with 2.5 sq. mm PVC insulated copper wire multistrand of make Finolex / Rediant / Finecab / Havells / L&T. The wiring point for 20/16 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 / shed at a height of 2 feet from ground level or as per the site engineers instruction.	10.00	Points	1,718.00	17,180.00
7	Supply and fixing of 10 Amps 250 V. SP switches for control of light fitting and 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.	57.00	Nos	282.00	16,074.00
8	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. Testing & commissioning.	100.00	Nos	435.00	43,500.00
9	Supply, Erection and Testing of 230V ,12" dia(305mm), 50W, 900rpm, 1200cu.M/hr, Heavy duty Exhaust Fan. Make: USHA/GEC/CG/Almonard, complete unit, wall mounting.(The job involves making suitable holes in the wall inclusive of masonry work or by making suitable MS frame above +20 ft. approximately from ground level)	2.00	Nos	3,095.00	6,190.00
10	Supply and fixing of 3pin, 250 V. 20/16 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.	6.00	Nos	530.00	3,180.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
11	Supply and Installation of MCB DB with TPN 415V, 8way (for lighting circuits) consisting of 10 to 20A - 4nos MCBs on each phase with double door metallic cover, sheet enclosed, dust & vermin proof. Type S210 of STANDARD/ KOPP MAKE along with controlling 63A TPN MCB Standard make, 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 labelling / writing the connection chart inside the door with WHITE duco paint as required, double earthing, testing & commissioning. (Enclosure model no: DSDMTHNCSI08)	1.00	Nos	11,552.00	11,552.00
12	Shifting and laying of the following LT aluminium armoured PVC power cables. The job includes Dressing, Clamping etc.				
a	31/2 C x 50sq.mm Aluminium	250.00	mts	15.00	3,750.00
13	Termination of the following power cables including supply of cable glands & lugs(Aluminium/Copper).				
a	31/2 C x 50sq.mm Aluminium	2.00	nos	392.00	784.00
	Total Value of work			₹	16,32,694.07

Note:

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work or part there of subject to a maximum penalty of 10% of the gross value of work executed after the period of completion.
2	The rates are inclusive of all taxes and duties except Service tax, which is extra as per service tax norms will be paid by BHEL to the agency after submission of necessary documents.

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		