

STATE BANK OF INDIA					
ELECTRICAL WORKS FOR HOSTEL BLOCK (DINING&GYM)AT MASULIPATTINAM					
ELECTRICAL WORKS					
S. No	Description	Qty	Unit	Estimated	
				Rate in INR	Amount in INR
1	Point wiring				
	Supply and laying of point wiring for light, fan, 6A ordinary switched sockets with 3R 1.5 Sqmm FRLS insulated multi strand single core copper conductor wire drawn in 20mm dia 2mm thick MS conduit to be laid on false ceiling by clamping with GI clamps, concealed on wall and RCC roof etc with all accessories like conduit bends, wooden junction boxes etc. The work also involves supply and fixing of 6A ordinary switch housed in wooden box with hylam sheet cover to be concealed to wall				
1.1	One light point controlled by one switch	22.00	No		0.00
1.2	2 lights controlled by 1 switch	50.00	No		0.00
1.3	One light controlled by two 2-way switch	6.00	No		0.00
1.4	Ceiling Fan point with concealed fan hook box and electronic speed regulator	8.00	No		0.00
1.5	6A switched socket to be mounted in independent locations	20.00	No		0.00
2	Distribution boards				
	MAIN DB- DINING & GYM				
	Supply, installation, testing and commissioning of MCCB Vertical distribution board, 8-way TPN factory built double door type distribution board completely wired with all accessories and fitted with following. The same shall be concealed to the wall				
	1 no incomer feeder with 125A TPN MCCB				
	3 nos 63A TP MCBs				
	3 nos 40A TP MCBs	1.00	No		0.00
	LDB-For GYM&RECEPTION				
2.1	Supply, installation, testing and commissioning of MCB distribution board, 8-way TPN 7 segment factory built double door type distribution board completely wired with all accessories and fitted with following. The same shall be concealed to the wall				
	1 no incomer feeder with 40A TPN MCB				
	3 nos of 25A DP RCBO with 30mA sensitivity as sub incomer.				
	24 nos 6A/110A SP MCBs as outgoing feeders	1.00	No		0.00
	PDB-For GYM&RECEPTION				

2.2	Supply, installation, testing and commissioning of MCB distribution board, 8-way TPN 7 segment factory built double door type distribution board completely wired with all accessories and fitted with following. The same shall be concealed to the wall				
	1 no incomer feeder with 63A TPN MCB				
	3 nos of 40A DP RCBO with 100mA sensitivity as sub incomer.				
	24 nos 10A/16A SP MCBs as outgoing feeders	1.00	No		0.00
	ACDB-For GYM, RECEPTION&DINING				
2.3	Supply, installation, testing and commissioning of MCB Vertical distribution board, 6-way TPN factory built double door type distribution board completely wired with all accessories and fitted with following. The same shall be concealed to the wall				
	1 no incomer feeder with 63A TPN MCB				
	3 nos 40A TP MCBs				
	2 nos 25 TP MCBs				
	3 nos 25/40A SP MCBs	1.00	No		0.00
	LDB-For DINING				
2.4	Supply, installation, testing and commissioning of MCB distribution board, 6-way TPN 7 segment factory built double door type distribution board completely wired with all accessories and fitted with following. The same shall be concealed to the wall				
	1 no incomer feeder with 40A TPN MCB				
	3 nos of 25A DP RCBO with 30mA sensitivity as sub incomer.				
	18 nos 6A/110A SP MCBs as outgoing feeders	1.00	No		0.00
	PDB-For DINING				
2.5	Supply, installation, testing and commissioning of MCB distribution board, 6-way TPN 7 segment factory built double door type distribution board completely wired with all accessories and fitted with following. The same shall be concealed to the wall				
	1 no incomer feeder with 63A TPN MCB				
	3 nos of 40A DP RCBO with 100mA sensitivity as sub incomer.				
	18 nos 10A/16A SP MCBs as outgoing feeders	1.00	No		0.00
3	UG cable & Terminations				
3.1	Supply and laying of 3.5x70 Sqmm AL AR cable to be clamped on wall with GI clamps/ laid in excavated trenches etc	150.00	Mt		0.00
3.2	Same as item no 10.1, but 4x25 Sqmm Al Ar cable along with 2R 10 SWG copper wire	150.00	Mt		0.00
3.3	Same as item no 10.1, but 4x16 Sqmm copper ar cable along with 2R 10 SWG copper wire	80.00	Mt		0.00
3.4	Same as item no 10.1, but 4x10 Sqmm Al ar cable along with 2R 10 SWG copper wire	80.00	Mt		0.00

3.5	Same as item no 10.1, but 4x6 Sqmm copper ar cable along with 2R 10 SWG copper wire	100.00	Mt		0.00
	Terminations of following cable with SIBG glands and copper crimping sockets and earthing of glands with copper clip and connecting the same to earth grid with 14 Swg copper wire				
3.6	3.5x70 Sqmm	2.00	No		0.00
3.7	4x25 Sqmm	2.00	No		0.00
3.8	4x16 Sqmm	6.00	No		0.00
3.9	4x10 Sqmm	6.00	No		0.00
3.10	4x6Sqmm	4.00	No		0.00
4	Circuit mains				
4.1	Supply and installation of 3R 2.5 Sqmm FRLS multi strand copper wire drawn in 20mm MS conduit 2mm thick to be laid on wall between DBs and switch boxes in cluding terminations at both ends	15.00	Nos		0.00
4	Sub Circuit mains				
4.1	Supply and installation of 3R 2.5 Sqmm FRLS multi strand copper wire drawn in 20mm MS conduit 2mm thick to be laid on wall between switch box to switch boxes in cluding terminations at both ends	10.00	Nos		0.00
5	Light fittings				
	supply and installation of light fittings and fans				
5.1	SITC of 18W LED recessed mount down light fitting fixed in a false ceiling with necessary fixing arrangements(Normal white).	74.00	No		0.00
5.2	SITC of 18W LED recessed mount down light fitting fixed in a false ceiling with necessary fixing arrangements(Warm white).	12.00	No		0.00
5.3	SITC of 11W LED surface mounted down light(square) light fixture with necessary fixing arrangements.	4.00	No		0.00
5.4	Supply , Installation including assembling, testing and commissioning of 20 W LED box type fixture to be fixed directly on wall/ceiling (BN 021C LED 20S PSU CDLGR)	12.00	each		0.00
5.5	S I T C of 36W 4ft LED weather proof fitting(IP 66 rated)and with complete set of accessories to install the fixture directly on the ceiling / wall.	2.00	each		0.00
5.6	SITC of 1200 mm sweep ceiling fan including assembly of the same	5.00	No		0.00
5.7	SITC of 200 mm dia modular type exhaust fan	3.00	No		0.00
5.8	SITC of 450 mm dia heavy duty exhaust fan	2.00	No		0.00

6	Cable TV				
6.1	Supply and installation of 25 mm dia PVC conduit(ISI marked medium quality) through floor, wall, and partitions from TV junction box to sockets	100.00	Mt		0.00
6.2	Supply and installation of RG-11 co axial cable in the above conduits and termination at both ends	100.00	Mt		0.00
6.3	Supply and installation of cable TV socket mounted in manufactures zinc passivated MS box	4.00	No		0.00
7	Power Wiring				
7.1	Supply and installation of 3R 4 Sqmm FRLS, single core, stranded, copper wire in 20mm dia 2mm thick MS/PVC conduit with necessary accessories for 20 amp sockets from distribution board. The work includes embedding the conduit in concrete or wall, chasing the wall etc.	22.00	nos		0.00
7.2	Supply and fixing of modular type 6/16A switched socket outlet housed in zinc passivated MS box including concealing the same in the wall	12.00	Nos		0.00
7.3	Supply and fixing of modular type 16A switched socket outlet housed in zinc passivated MS box including concealing the same in the wall	10.00	No		0.00
7.4	Supply and installation of 3R 2.5 Sqmm FRLS, single core, stranded, copper wire in 20mm dia 2mm thick PVC conduit with necessary accessories for 16 amp sockets from distribution board. The work includes embedding the conduit in concrete or wall. chasing the wall etc.	7.00	nos		0.00
8	Earthing				
8.1	Supply, installation, testing and commissioing of cast iron pipe electrode 100mm dia 3 Mt long, 12mm thick as per IS-3043 complete with all accessories like watering funnel, clamps etc.The same to be installed in a pit 3 Mt deep and filled with alternate layers of charcoal, salt mixed with river sand. A brick work masonry shall be constructed of size 450x450x150mm and cement plasted at both inside and outside walls. A 3mm thick cast iron plate with frame work shall be placed over the chamber (2 nos for general earthing)	1.00	No		0.00
8.2	Providing standard copper plate earth station ,with 600x600x3.15mm thick copper plate, 40mm dia, 2.5 mtr GI pipe with 25X3 copper strips runs on both sides up to top of the earth pit including excavation and construction of brick pedestal providing meshed funnel, CI cover and other Civil works, spreading a homogeneous mixture of salt, charcoal around the plate etc completely as per IS 3043,1987 or latest revision	1.00	No		0.00
8.3	Supply and installation of NO 8 SWG CU copper wire to interconnect the earth electrodes with electrical panels and run through cable shaft	125.00	Mt		0.00

8.4	BUY BACK -Removing of existing available Electrical related items, like DB, Light fittings, switch boards , sockets and wires and clear the debries away from the site	-1.00	lot		0.00
	Sub total				0.00