

**STATE BANK OF INDIA  
LOCAL HEAD OFFICE, GUWAHATI  
PREMISES & ESTATE DEPARTMENT  
GUWAHATI, ASSAM.**

**BOQ FOR ELECTRICAL INSTALLATION WORK OF RSETI HAFLONG**

S.NO.	Description of the work	Unit	Qty	Rate (Rs)	Amount (Rs)
<b>DIRECTOR AND STAFF RESIDENTAIL</b>					
1	Supply & installation of double door 4 way ETPN MCB DB with following accessories a)1 No.63 amp. TPN MCB as incomer, b)4 Nos. 40 Amps DP MCB in outgoing	Nos.	1		
2	Supply & installation of double door 12way SPN MCB DB with following accessories a)1 No.40 amp. 100 mA DP RCCB as incomer, b)10 Nos. 6-20 Amps SP MCB in outgoing	Nos.	1		
3	Supply & installation of double door 8 way SPN MCB DB with following accessories a)1 No.40 amp. 100 mA DP RCCB as incomer, b)6 Nos. 6-20 Amps SP MCB in outgoing	Nos.	2		
4	Distribution wiring in 2x22/.3(1.5 sqmm)multi stranded copper wire 'FR' PVC insulated & unsheathed copper wire (approved make) through ISI marked minimum 2 mm thick, and 20 mm size PVC rigid conduit 'FR' (precision make) with 1x22/0.3(1.5 sqmm) multi stranded copper wire 'FR' PVC insulated & unsheathed copper wire ECC with all accessories <b>embedded in wall/ceiling, to light/fan/call bell points with Modular type switch fixed on GI switch board</b> on wall complete with 2 no. suitable size "Ph & N" copper bar with holes fixed on bakelite/hard rubber insulation over the JB welded chairs incl. Modular (wall matching colour) top cover 3 mm thick and incl. suitable size inspection box making earthing attachment painting the GI box and mending good the damages.				
a	Light point(one switch controls one light) one batten holder in each room & other point with Ceiling rose.	Nos	30		
b	Two way point in bedroom	Nos	4		
c	Two way point in bedroom for fan (one fan with regulator in each room)	Nos	4		
d	Ceiling Fan point with regulator	Nos	8		
e	Exhaust fan point with Ceiling rose.	Nos	7		
f	Call bell point with call bell	Nos	3		
g	same Board 6 Amps with switch and socket.	Nos.	16		
5	Point wiring with 660 V grade PVC insulated multi stranded copper wire through ISI marked minimum 2 mm thick PVC conduit with junction box ,circular box, elbows ,bends, couplers and other accessories concealed ( below the false ceiling) or by chase cutting on wall /floor or on surface by bar saddles :				
a	3X1.5 sq mm in 20 mm dia conduit for 6A sockets power sockets	Mtrs.	60		
b	2X2.5 sq mm +1X1.5 sq mm in 20 mm dia conduit for 16A power sockets	Mtrs.	120		
c	2X4 sq mm +1X2.5 sq mm in 20 mm dia conduit (AC points and geyser point)	Mtrs.	80		
D	2X6 sq mm +1X4 sq mm in 20 mm dia conduit ( Main DB to Various DB)	Mtrs.	60		

6	Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected. a) 2 Nos 6 amp switch & 2 Nos 6 amps socket outlet with indicator b)1No. mounting box c)1No. front plate (in hall for TV )	Sets	4		
7	Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected. a) 1 Nos 6 amp switch & 1 Nos 6 amps socket outlet with indicator b) 1 No. mounting box c) 1 No. front plate (in bedroom & hall, kitchen & bathroom)	Sets	2		
8	Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected. a) 1 Nos 16 amp switch & 1 Nos 6/16 amps socket outlet with indicator b) 1 No. mounting box c) 1 No. front plate For Gysers, AC, fridge and Kitchen appliances etc. Switch of geyser should be in the bathroom switch board out side bathroom.	sets	10		
9	Supply and fixing of AC starter with metal box. The starter to be in separate box below the socket	Nos	4		
10	Supply and installation of 5 Star rated Ceiling fan 1200 mm crompton/bajaj/usha/havell's make with including suitable hooks and extensions as per site requirement	No.s	8		
11	Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 250 mm crompton/bajaj/usha/havell's make	No.s	7		
12	Supply installation testing and commissioning of 4' LED batten Single Tube light fittings with 20 W with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	22		
13	Supply installation testing and commissioning of 2' LED batten Single Tube light fittings with 8 W with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	4		
14	Making a hole for Ceiling fan on the False ceiling and repairing ceiling using putty and colour matching painting.	Nos.	8		
<b>A</b>	<b>TOTAL FOR DIRECTOR AND STAFF RESIDENTAIL (Excluding GST):</b>				

**INSTITUTE BLOCK**

S.NO.	Description of the work	Unit	Qty	Rate (Rs)	Amount (Rs)
1	Supply & installation of double door 4 way TPN MCB DB with following accessories a)1 No.63 amp. TPN MCB as incomer, b) 4 Nos. 40 Amps DP MCB in outgoing	Nos.	1		
2	Supply & installation of double door 12way SPN MCB DB with following accessories a)1 No.40 amp. 100 mA DP RCCB as incomer, b)10 Nos. 6-20 Amps SP MCB in outgoing	Nos.	3		

3	Distribution wiring in 2x22/.3(1.5 sqmm)multi stranded copper wire 'FR' PVC insulated & unsheathed copper wire (approved make) through ISI marked minimum 2 mm thick, and 20 mm size PVC rigid conduit 'FR' (precision make) with 1x22/0.3(1.5 sqmm) multi stranded copper wire 'FR' PVC insulated & unsheathed copper wire ECC with all accessories <b>embeded in wall/ceiling</b> , to <b>light/fan/call bell points</b> with <b>Modular type switch fixed on GI switch board</b> on wall complete with 2 no. suitable size "Ph & N" copper bar with holes fixed on bakelite/hard rubber insulation over the JB welded chairs incl. Modular (wall matching colour) top cover 3 mm thick and incl. suitable size inspection box making earthing attachment painting the GI box and mending good the damages.				
a	Light point(one switch controls one light) one batten holder in each room & other point with Ceiling rose.	Nos	34		
b	Ceiling Fan point with regulator	Nos	16		
c	Exhaust fan point	Nos	5		
d	Call bell point with call bell	Nos	1		
e	same Board 6 Amps with switch and socket.	Nos.	15		
4	Point wiring with 660 V grade PVC insulated multi stranded copper wire through ISI marked minimum 2 mm thick PVC conduit with junction box ,circular box, elbows ,bends, couplers and other accessories concealed ( below the false ceiling) or by chase cutting on wall /floor or on surface by bar saddles :				
a	2X6 sq mm +1X4 sq mm in 20 mm dia conduit ( Main DB to Various DB)	Mtrs.	60		
b	b)2 X2.5 sq mm +1X1.5 sq mm in 20 mm dia conduit for 16A power sockets( for Computer)	Mtrs.	300		
c	c)2X4 sq mm +1X2.5 sq mm in 20 mm dia conduit (AC points and geyser point)	Mtrs.	40		
5	Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected. a) 1 Nos 16 amp switch & 3 Nos 6 amps socket outlet with indicator b)1No. mounting box c)1No. front plate (in workshop )	Sets	36		
6	Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected. a) 2 Nos 16 amp switch & 2 Nos 16 amps socket outlet with indicator b) 1 No. mounting box c) 1 No. front plate	Sets	4		
7	Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected. a) 1 Nos 16 amp switch & 1 Nos 6/16 amps socket outlet with indicator b) 1 No. mounting box c) 1 No. front plate For , AC, fridge and Water filter etc.	sets	3		
8	Supply and fixing of AC starter with metal box. The starter to be in separate box below the socket	Nos	2		
9	Supply and installation of 5 Star rated Ceiling fan 1200 mm crompton/bajaj/usha/havell's make with including suitable hooks and extensions as per site requirement	No.s	16		
10	Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 250 mm crompton/bajaj/usha/havell's make	No.s	5		

11	Supply installation testing and commissioning of 4' LED batten Single Tube light fittings with 20 W with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	26		
12	Supply installation testing and commissioning of 2' LED batten Single Tube light fittings with 8 W with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	8		
13	Supply and installation of Wall Mounted fan 400 mm Metallic body and metallic Blade ,1400 rpm Havels FHWV3TFSLB18 or equivalent of crompton/bajaj/usha/orient make	Nos	4		
14	Making a hole for Ceiling fan on the False ceiling and repairing ceiling using putty and colour matching painting.	Nos.	16		
<b>B</b>	<b>TOTAL FOR INSTITUTE BLOCK (Excluding GST):</b>				

**GIRLS HOSTEL AND BOYS HOSTEL**

S.NO.	Description of the work	Unit	Qty	Rate (Rs)	Amount (Rs)
1	Supply & installation of double door 4 way TPN MCB DB with following accessories a)1 No.63 amp. TPN MCB as incomer, b) 2 Nos. 40 Amps DP MCB and 10 Nos. 6-20 Amps SP MCB in outgoing in outgoing	Nos.	2		
2	Supply & installation(concealed) of double door 12way SPN MCB DB with following accessories a)1 No.40 amp. 100 mA DP RCCB as incomer, b)10 Nos. 6-20 Amps SP MCB in outgoing	Nos.	2		
3	Distribution wiring in 2x22/.3(1.5 sqmm)multi stranded copper wire 'FR' PVC insulated & unsheathed copper wire (approved make) through ISI marked minimum 2 mm thick, and 20 mm size PVC rigid conduit 'FR' (precision make) with 1x22/0.3(1.5 sqmm) multi stranded copper wire 'FR' PVC insulated & unsheathed copper wire ECC with all accessories <b>embeded in wall/ceiling, to light/fan/call bell points with Modular type switch fixed on GI switch board</b> on wall complete with 2 no. suitable size "Ph & N" copper bar with holes fixed on bakelite/hard rubber insulation over the JB welded chairs incl. Modular (wall matching colour) top cover 3 mm thick and incl. suitable size inspection box making earthing attachment painting the GI box and mending good the damages.				
a	Light point(one switch controls one light)	Nos	70		
b	Ceiling Fan point with regulator	Nos	7		
c	Exhaust fan point	Nos	18		
d	Call bell point with call bell	Nos	2		
e	Wall Fan Point with ceiling rose	Nos	25		
f	Board plug point 5 pin 5 Amps with switch.	Nos.	12		
4	Point wiring with 660 V grade PVC insulated multi stranded copper wire through ISI marked minimum 2 mm thick PVC conduit with junction box ,circular box, elbows ,bends, couplers and other accessories concealed ( below the false ceiling) or by chase cutting on wall /floor or on surface by bar saddles :				
a	3X1.5 sq mm in 20 mm dia conduit for 6A sockets power sockets	Mtrs.	250		
b	2X2.5 sq mm +1X1.5 sq mm in 20 mm dia conduit for 16A power sockets	Mtrs.	380		
c	2X4 sq mm +1X2.5 sq mm in 20 mm dia conduit (geyser point)	Mtrs.	160		

d	2X6 sq mm +1X4 sq mm in 20 mm dia conduit ( Main DB to Various DB)	Mtrs.	150		
5	Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected. a) 2 Nos 6 amp switch & 2 Nos 6 amps socket outlet with indicator b)1No. mounting box c)1No. front plate (1 each Bad )	Sets	46		
6	Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected. a) 2 Nos 16 amp switch & 2 Nos 6/16 amps socket outlet with indicator b) 1 No. mounting box c) 1 No. front plate For Gysers, AC, fridge and Kitchen appliances etc. Switch of geyser should be in the bathroom switch board out side bathroom.	sets	10		
7	Supply & installation of MS Flush metal box with front plate enclosing the following duly interconnected. a) Nos 16 amp switch & 1 Nos 6/16 amps socket outlet with indicator b) 1 No. mounting box c) 1 No. front plate For Gysers. Switch of geyser should be in the bathroom switch board out side bathroom (Guest Room).	sets	2		
8	Supply and installation of 5 Star rated Ceiling fan 1200 mm crompton/bajaj/usha/havell's make with including suitable hooks and extensions as per site requirement	No.s	7		
9	Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 250 mm crompton/bajaj/usha/havell's make	No.s	18		
10	Supply installation testing and commissioning of 4' LED batten Single Tube light fittings with 20 W with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos	35		
11	Supply installation testing and commissioning of 2' LED batten Single Tube light fittings with 8 W with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos.	24		
12	Supply and installation of Wall Mounted fan 400 mm Metallic body and metallic Blade ,1400 rpm Havels FHWV3TFSLB18 or equivalent of crompton/bajaj/usha/orient make	Nos.	25		
13	Making a hole for Ceiling fan on the False ceiling and repairing ceiling using putty and colour matching painting.	Nos.	7		
<b>C</b>	<b>TOTAL FOR GIRLS HOSTEL AND BOYS HOSTEL (Excluding GST):</b>				

**EXTERNAL ELECTRIFICATION WORK**

Sl.No.	Description	UOM	Qty.	Rate (Rs.)	Amount (Rs.)
1	<b>Main Panel</b> :- Supplying, Installing, testing and commissioning of fabricated floor mounted cubicle type distribution Panel Board suitable for 415 V comprising of suitable copper bus bars, 3-ph LED indication lamp, 160 A 4P MCCB with overvoltage protection as incoming and 6 Nos. of 63 A TPN MCB, with 2 No. of 40A TPN MCB and 2 Nos of 40 A DP MCB , at outgoing in compartmentalized chamber fully isolated with 2 mm thick steel sheet and 3 mm steel channel painted with 2 coats of red oxide primer paint followed by finishing paint with interconnection etc. as required.(MCCB Make - Legrands/ Havells/L&T/SIEMENS or equivalent)	Set	1		

2	PVC insulated and PVC Round sheathed multi core copper conductor(Flexible)Industrial Cable for Voltage Grade 1100 Volt.(for Street Light connector for light)				
a	with 2 core 2.5 mm copper cable.	Mtrs.	75		
3	Supplying, installing and commissioning of PVC Armored cable complete with proper cable glands and two nos. of 8SWG GI wire (Havell's/Richa/RR kebel/KEI or equivalent) alongwith all the other materials required including proper connection in complete as required from main Panel, Power Distribution Board to various DBs .				
a	With 4 core x 2.5 sq. mm copper cable for pole lights	RM	320		
b	With 3.5 core x 25 sq. aluminium cable for respective Building	RM	240		
c	With 3.5 core x 50 sq. mm aluminium cable for main cable	RM	80		
4	Supply, installing and commissioning of earth station including digging and refilling back the pit with black soil and with 3.15mm x300mm size copper plate duly tinned through out the surface of the plate, placed at least 3.0 Mtr,below the ground level with 2nos 10sq.mm PVC insulated stranded copper conductor in 20mm GI pipe, fixed to the plate and providing 40mm,3.2 mtr,long GI pipe with reducer and funnel at top for watering pipe with supplying and laying earth continuity wire of 2x10sq.mm copper stranded PVC green color in heavy duty MS conduit on the wall from earth plate to starting point of the line earth connector.	Set	4		
5	Supplying, installation, testing & commissioning of Security ligh with 35 W LED lamps with pressure die cast housing with epoxy coated dark graphite grey colour finish and prismatic polycarbonates cover with individual LED lenses, including necessary GI bracket with clamp along with with Junction Box to be placed at the bottom of the existing pole and paintaing of the existing pole Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos.	15		
6	Supply installation& fabrication of GI post 50mm size , 5 meter height and RCC dhalai pad. With G I Bolting by clamp. Complete installtion and fabrication of G.I Post including junction box with connector connector at bottom of pole.	Nos.	15		
<b>D</b>	<b>TOTAL FOR EXTERNAL ELECTRICAL WORKS(Excluding GST):</b>				
	<b>GRAND TOTAL (A+B+C+D) excluding GST</b>				

**Note: Same items must be quoted same rate.**