

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

BOQ FOR ELECTRICAL INSTALLATION WORK OF RSETI KUMARGHAT

| S.NO. | Description of the work | Unit | Qty | Rate (Rs)(Excl.C | Amount (Rs) |
|---------------------------------------|--|------|-----|------------------|-------------|
| DIRECTOR AND STAFF RESIDENTIAL | | | | | |
| 1 | Supply & installation of double door 4 way ETPN MCB DB with following accessories a)1 No.63 amp. TPN MCB as incomer, b)12 Nos. 25-32 Amps SP MCB in outgoing(For director room and kitchen) | Nos. | 1 | | |
| 2 | Supply & installation of 4 way VTPN Double Door Distribution Board with 63A 4 Pole MCCB(36kA) as incomer and 12 nos.of 10-40 A SP MCB at outgoing.All MCB should be C curve type (LPDB in UPS Room). | set | 1 | | |
| 3 | Supply & installation of double door 12way SPN MCB DB with following accessories a)1 No.40 amp.SP N MCB as incomer, b)10 Nos. 6-20 Amps SP MCB in outgoing | Nos. | 3 | | |
| 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 embedded in wall/ceiling , to light/fan/call bell points with Modular type switch fixed on GI switch board 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 | 55 | | |
| b | Two way point in bedroom | Nos | 10 | | |
| c | Two way point in bedroom for fan (one fan with regulator in each room) | Nos | 10 | | |
| d | Ceiling Fan point with regulator | Nos | 16 | | |
| e | Exhaust fan point with Ceiling rose. | Nos | 10 | | |
| f | Call bell point 6A bell push 1 Module with Electronic chime(ding dong 230v-2 module) | Nos | 4 | | |
| g | same Board 6 Amps with switch and socket. | Nos. | 16 | | |

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|----|--|------|----|--|--|
| 5 | Computer/Raw Power point wiring in MS conduit of IS specification of proper size with 3nos 2.5sq.mm single core PVC insulated stranded copper wire 1.1KV grade(Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from /PDB(Raw) .The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for TV,power socket etc terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing .All the opening shall be covered with blank plate and be sealed to make the box vermin proof.B48(maximum 2 points in single circuit) | | | | |
| a | With 3 nos 6A socket with single 16A switch and cable outlet 8mm for TV unit. | No.s | 5 | | |
| b | With 3 nos 6A socket with single switch power socket.(in bedroom,living&dining) | No.s | 15 | | |
| c | With 2 nos A 16/6A socket with individual switch power socket. | No.s | 6 | | |
| d | With 1nos 16A socket with individual switch(For Gysers,AC,fridge and kitchen) | No.s | 15 | | |
| 6 | Supply installation testing and commissioning of foot lamp LED light fittings of 3W (3 module Make :- Bajaj/ Havels/ Phillips/ Wipro/ Crompton or similar design and specification approved by Bank's Engineer.) | No.s | 6 | | |
| 7 | Supply and fixing of modular 25A/32A AC starter 2M to be provided separately with switch board. | Nos | 6 | | |
| 8 | Supply and installation of 5 Star rated BLDC Ceiling fan 1200 mm crompton/bajaj/usha/havell's make with including suitable Double Anchor Fastener Fan hooks and extensions as per site requirement | No.s | 15 | | |
| 9 | Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 300 mm (Make - as in tender make list) (in toilet and UPS room) including making suitable size hole in the wall. | No.s | 8 | | |
| 10 | Supply installation testing and commissioning of 4 ft. 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 | 16 | | |
| 11 | Supply installation testing and commissioning of 2 ft.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 | | |

| 12 | Supply & Fixing of 12 watt commercial downlights of system lumen efficacy >100 lm/w .The light should be recessed mounted slim circular type LED panel with die-cast aluminium housing and smooth powder coated finish with anti glare UV stabilized diffuser and separate energy efficient electronic driver having inbuilt surge protection upto 2.5kv.(Make-as in tender make list). | Nos | 35 | | |
|------------------------|--|------|-----|-----------|-------------|
| A | TOTAL FOR DIRECTOR AND STAFF RESIDENTAIL (Excluding GST): | | | | |
| INSTITUTE BLOCK | | | | | |
| S.NO. | Description of the work | Unit | Qty | Rate (Rs) | Amount (Rs) |
| 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. | 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 embeded in wall/ceiling, to light/fan/call bell points with Modular type switch fixed on GI switch board 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 | One switch controls two light | Nos | 10 | | |
| c | Ceiling Fan point with regulator | Nos | 16 | | |
| d | Exhaust fan point | Nos | 6 | | |
| e | same Board 6 Amps with switch and socket. | Nos. | 15 | | |

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|-------------------------------------|--|------|----|--|--|
| 4 | Computer/Raw Power point wiring in MS conduit of IS specification of proper size with 3nos 2.5sq.mm single core PVC insulated stranded copper wire 1.1KV grade(Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from /PDB(Raw) .The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for TV,power socket etc terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing .All the opening shall be covered with blank plate and be sealed to make the box vermin proof.B48(maximum 2 points in single circuit) | | | | |
| a | With 3 nos 6A socket with single switch power socket.(in bedroom,living&dining) | Nos | 36 | | |
| b | With 2 nos A 16/6A socket with individual switch power socket. | Nos | 6 | | |
| c | With 1nos 16A socket with individual switch(For Gysers,AC,fridge and kitchen) | Nos | 4 | | |
| 7 | Supply and fixing of AC starter with metal box. The starter to be in separate box below the socket | Nos | 3 | | |
| 8 | Supply and installation of 5 Star rated BLDC Ceiling fan 1200 mm crompton/bajaj/usha/havell's make with including suitable Double Anchor Fastener Fan hooks and extensions as per site requirement | No.s | 16 | | |
| 9 | Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 250 mm crompton/bajaj/usha/havell's make | No.s | 6 | | |
| 10 | Supply installation testing and commissioning of 4 ft. 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 | 24 | | |
| 11 | Supply installation testing and commissioning of 2 ft. 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 | 5 | | |
| 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 | 7 | | |
| 13 | Supply & Fixing of 12 watt commercial downlights of system lumen efficacy >100 lm/w.The light should be recessed mounted slim circular type LED panel with die-cast aluminium housing and smooth powder coated finish with anti glare UV stabilized diffuser and separate energy efficient electronic driver having inbuilt surge protection upto 2.5kv.(Make-as in tender make list). | Nos | 20 | | |
| B | TOTAL FOR INSTITUTE BLOCK (Excluding GST): | | | | |
| 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 ETPN 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. | 4 | | |
| 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 embeded in wall/ceiling, to light/fan/call bell points with Modular type switch fixed on GI switch board 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 | 50 | | |
| b | Light point(one switch controls two light) | Nos | 10 | | |
| c | Ceiling Fan point with regulator | Nos | 7 | | |
| d | Exhaust fan point | Nos | 18 | | |
| e | Call bell point with call bell | Nos | 2 | | |
| f | Wall Fan Point with ceiling rose | Nos | 25 | | |
| g | Board plug point 5 pin 5 Amps with switch. | Nos. | 12 | | |
| 4 | Computer/Raw Power point wiring in MS conduit of IS specification of proper size with 3nos 2.5sq.mm single core PVC insulated stranded copper wire 1.1KV grade(Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with all material supply installation and commissioning complete from /PDB(Raw) .The wiring shall be carried out on surface above false ceiling by chiseling the existing surface and plastering the same with cement etc. after fixing the MS conduit with all accessories like saddles screws, bends T-joint etc. 2 coats of painting Matching to the surface including supply installing, testing, commissioning of modular plate type switch and socket (Legrands / MK or equivalent) for TV,power socket etc terminal on sheet steel enclosure (cadmium plated),duly fitted with screw to the steel conduit and fixed to the wall partition furniture with all interconnection and proper earthing .All the opening shall be covered with blank plate and be sealed to make the box vermin proof.B48(maximum 2 points in single circuit) | | | | |
| a | With 3 nos 6A socket with single switch power socket.(in bedroom,living&dining) | Nos. | 46 | | |
| b | With 2 nos A 16/6A socket with individual switch power socket. | Nos. | 10 | | |
| c | With 1nos 16A socket with individual switch(For Gysers,AC,fridge and kitchen) | Nos. | 2 | | |

| | | | | | |
|----------|--|------|----|--|--|
| 5 | 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 | 22 | | |
| 6 | Supply and installation of Heavy Duty metallic body & Blades Exhaust Fan 250 mm crompton/bajaj/usha/havell's make | No.s | 5 | | |
| 7 | Supply installation testing and commissioning of 4 ft. 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 | 25 | | |
| 8 | Supply installation testing and commissioning of 2 ft. 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 | | |
| 9 | 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. | 40 | | |
| C | TOTAL FOR GIRLS HOSTEL AND BOYS HOSTEL (Excluding GST): | | | | |

EXTERNAL ELECTRIFICATION WORK

| Sl.No. | Description | UOM | Qty. | Rate (Rs.) | Amount (Rs.) |
|--------|---|-------|------|------------|--------------|
| 1 | Main Panel :- Supplying, Installing, testing and commissioning of fabricated floor/wall mounted panel fabricated with 16SWG CRCA sheet.The panel shall be dust and vermin proof including internal connection with bus bar/cables up to the terminals duly painted with two coats of seimens grey powder coated paint danger board etc. and comprising of the following:-i)INCOMER:a)250 amp,4P,36KA MCCB with control fuses three LEDs R,Y,B.along with ammeter&voltmeters of relevant range and selector switch,b)100A onload changeover ,c)100A 4P,36KA MCCB with control fuses three LEDs R,Y,B (DG set) ii)OUTGOING : a) 300 amp tinned copper double busbar system i) 3 nos. 63A 4P MCCB of 36KA on main bus ii) 3 nos. 63A 4P MCCB of 36KA on DG bus. | 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. | 150 | | |
| 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 35 sq. aluminium cable for respective Building | RM | 240 | | |
| d | With 3.5 core x 50 sq. mm aluminium cable for main cable | RM | 100 | | |

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|----------|---|------|----|--|--|
| 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 | 5 | | |
| 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 | | |
| D | TOTAL FOR EXTERNAL ELECTRICAL WORKS(Excluding GST): | | | | |
| | GRAND TOTAL (A+B+C+D) excluding GST | | | | |

Note: Same items must be quoted same rate.

Note ALL WIRING SHOULD BE CONCEALED.