

STATE BANK OF INDIA, OFFICER TRANSIT CAMP, JORHAT, ASSAM'

BOQ for Electrical Installation Works

SL No	DESCRIPTION	UOM	QTY	Rate (Rs.) (Exclusive of GST on work contract)	Amount (Rs.) (Exclusive of GST on work contract)
1	<p>a. Main Panel :- Supplying, Installing, testing and commissioning of factory fabricated 2MM thick CRCA, floor mounted cubicle type distribution Panel Board with 150 MM X 75 MM X 6MM ISMC base channel, suitable for 415 V TPN comprising of 200A suitable double copper bus bars with color coded heat shrink insulation with the followings: 160 A, 4P MCCB, 35 kA with adjustable overload, short circuit, ground fault, as incomer, 63 A Onload changeover with rotatory handle, R-Y-B LED indicating lamps, Digital multifunction meter of minimum size 150 MM X 150 MM to measure Voltage, Current, PF etc with all accessories Outgoing: 100 A 4P MCCB, 35kA for AC -2 Nos, 63 Amp TPN MCCB, 35kA for DG Line - 3 Nos, 40 Amp DP MCB -3 Nos. for External equipment and raw Power. All MCCBs are should be thermally and magnifically adjustable only. All outgoing must be in compartmentalized chamber fully isolated with 2 mm thick CRCA and 3 mm steel channel painted with 2 coats of red oxide primer paint followed by finishing paint with interconnection etc. as required.</p>	Set	1		
2	Sub-main line:- Wiring in MS conduit of IS specification of Proper size with core PVC insulated stranded copper wire 11KV grade (Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with supply ,installation, commissioning of all the materials required including proper termination,connection in complete as required from main DB to various DBs:-				
i)	with 2nos 4sq.mm + 1 nos 2.5 sq.mm(1ECC)(AC & Gyser line)	RM	220		
ii)	with 3nos 6sq.mm (1ECC)	RM	320		
iii)	with 2nos 2.5 sq.mm + 1 nos 1.5 sq.mm(1ECC)	RM	55		
3	Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB,MCB and MCCB Make- Legrands/ Havells/ L&T/ SIEMENS or equivalent) and connecting the same to the system.				
i)	4- way TPN Double Door Distribution Board with 63 A 4 Pole MCB (36kA) as incomer and 12 Nos. 25A SP MCB's at outgoing.	Set	1		
ii)	6- way VTPN Double Door Distribution Board with 100 A 4 Pole MCCB (36kA) as incomer and 9 Nos. 25A SP & 9Nos. 16A SP & MCB's at outgoing (for each room) (AC & Gayer)	Set	1		
4	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 .				
i)	With 3.5 core x 35 sq. mm cable	RM	30		
ii)	With 3.5 core x 50 sq. mm cable	RM	40		

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5	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 1.5Mtr,below the ground level with 2nos 10sq.mm PVC insulated stranded copper conductor in 20mm GI pipe, fixed to the plate and providing 40mm,2mtr,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 with proper earth pit with charcoal and salt as per requirement.	Nos.	2		
i)	Supplying and fixing 25x3 mm copper strip, insulated by heat pressurized heavy gauge PVC sleeve, duly jointed by full lap brazing and drawn underground in 40 mm class B GI pipe from the inspection pit to the inside of the branch premises.	RM	30		
ii)	Supplying and fixing 2X8 SWG dia copper earth wire in PVC conduit on surface or in recess for loop earthing from panel to DB	RM	100		
6	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)				
i)	With 2 nos 6A socket with single 16A switch and cable outlet 8mm for TV unit.	No.s	10		
ii)	With 2 nos A 16/6A socket with individual switch power socket.	No.s	10		
iii)	With 1nos 16A socket for AC and Gayser	No.s	13		
iv)	With 1nos 16A socket with individual switch	No.s	5		
7	Supply, installation and testing of Roud recessed mounted 10/12 W LED edge lit slim down light with die-cast aluminium housing finished in premium white powder coating. efficacy: 120lm/W (10/12 W LED). Make :- /Havells/Phillips/Wipro/ Crompton or equivalent. (Model to be approved by Bank's Engineer)	Nos	80		
8	Supply, installation and testing of metallic chrome with fabric white shade decorative bed side wall lamp with additional full glow 9 W warm white LED bulb. Bed side wall lamp Make Philips Model No. 581876 or identical desgine approved by Bank's Engineer.	Nos	4		

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9	Supply, installation and testing of decorative chrome with white glass shade wall bracket lamp with full glow 9 W warm white LED bulb. Make Philips Model No. 30978 or or similar design and specification approved by Bank's Engineer.)	Nos	8		
10	Supply, installation and testing of decorative wall mounting, brushed nickel finish fixture with Opal Glass diffuser suitable with 9 W LED lamp B22 base.(Make Havells Model No. LHFOAJEITZ11060 or or similar design and specification approved by Bank's Engineer.)	Nos	14		
11	Supply installation testing and commissioning of LED batten Single Tube light fittings with 20W (Model: Havells LUMILINEBS20WLED865SPCWH or equivalent Specification) with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/ Havels/ Phillips/ Wipro/ Crompton or equivalent	Nos	7		
12	Supply installation testing and commissioning of foot lamp LED light fittings of 3W (3 module Make :- Bajaj/ Havels/ Phillips/ Wipro/ Crompton or or similar design and specification approved by Bank's Engineer.)	Nos	8		
13	Supply installation testing and commissioning of 20 W LED Mirror round wall light fittings with MS poly carbonate diffuser IP 44, 600mm and 2000lm/(WW) make philips (Model:Meraki-582106 or similar design and specification approved by Bank's Engineer.)	Nos	2		
14	Supply installation testing and commissioning of 20 W LED batten Mirror round wall light fittings. Make: Havells(Model:Austra Mirror Light 20W 4000k or similar design and specification approved by Bank's Engineer.)	Nos	6		
15	Supply, installation, testing & commissioning of ceiling mounted LED strip over Saving Led, Flexible And Long Lasting With 50000 Burning Hours.Light Bulbs And Wires Are Completely Wrapped In Flexible Plastic, With Features Of Insulation, with adopter ,Waterproof And Safety Luminaries manufacture shall provide LM79 report from NABL accredited lab & LM80 report issued by LED manufacturer.	RM	80		
16	Supply, installation, testing & commissioning of ceiling mounted LED profile downlighter fitting, fixture should have minimum efficacy at System level (Not Chip Level) profile light has 10w – 30w or require 1a to 4 a driver or gives 900 lumens to 2500 lumens. its has all the colors like cool white, Luminaries manufacture shall provide LM79 report from NABL accredited lab & LM80 report issued by LED manufacturer.	RM	40		
17	Supply installation testing and commissioning of 10 W fixed track LED light with modern design, compact size with high power COB LED to provide focussed light. Make: Havells(Model:UNECOTRACKLIGHTTS 10WLED830S15WHT/BLK or similar design and specification approved by Bank's Engineer.)	Nos	4		

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18	Supply installation testing and commissioning of recess mounted adjustable 10 W LED downlight made of extruded Aluminium housing and high power LED with separate electronic driver. Make: Havells(Model:SPARKLEROADJDLR8W830MOD40DWHNEEM or similar design and specification approved by Bank's Engineer.)	Nos	2		
19	Supply installation testing and commissioning of wall mounted 12W LED decorative picture light . Make: Philips (Model:31440 / 31441 or similar design and specification approved by Bank's Engineer.)	Nos	4		
20	Supply, Installation, Testing and Commissioning of decorative smart BLDC 1200 mm sweep, BEE 5 star rated, ceiling fan class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.. Rates shall be inclusive of providing and fixing of M.S. fastner hooks for fixing the fan from the ceiling .(Make Crompton Model :Stylus or similar design and specification approved by Bank's engineer)		2		
21	Supply, Installation, Testing and Commissioning of BLDC 1200 mm sweep, BEE 5 star rated, ceiling fan class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.. Rates shall be inclusive of providing and fixing of M.S. fastner hooks for fixing the fan from the ceiling .(Make Crompton Model :Riviera or similar specification and design approved by Bank's Engineer)	No.s	11		
22	Supply and installation of heavy duty Exhaust Fan 300 mm crompton/ bajaj/ usha/ havells make	No.s	2		
23	Supply and installation of high speed Exhaust Fan 150/200 mm automatic shutter for dust protection.Make: Crompton model: ventilus HS similar specification and design approved by Bank's Engineer)	No.s	12		
24	Supplying, installation, testing & commissioning of Security light with 25W 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. Make :- Bajaj/ Havells/ Phillips/ Wipro/ Crompton or equivalent	Nos.	3		

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25	Wiring for light/fan/exhaust fan points using 3 X 1.5 1.1 kV grade PVC insulated stranded copper conductor wire (Finolex/ Havell's/ Richa/ RR kebel/ KEI or equivalent) for phase, neutral and earth in 25 mm dia heavy duty MS conduit along with associated accessories like MS junction boxes, bends, saddles, screws et. concealed in wall, floor, under flooring, below false ceiling or on surface as well as suspended from ceiling with 25mm X 3 mm MS flat suspenders duly painted above false ceiling from individual light/Fan/Exhaust Fan point outlet. etc. to individual modular type switch boards, 10 Amp modular plate type switches etc.(MK/Legrand's/Havel's or equivalent), as required complete including circuit wiring with 3 X 2.5 sqmm. 1.1 kV grade PVC insulated stranded copper conductor wire and as per site requirement and as instructed by SBI Engineer.				
a	Light point one switch control one light/ fan	Nos	50		
b	Light point one switch control two light	Nos	15		
c	Light point one switch control three light	Nos	14		
d	Two way point in bedroom(2 nos each room) for light and fan	Nos	18		
e	Ceiling Fan point with regulator(2M)360 degree rotation	Nos	15		
f	Exhaust fan point with Ceiling rose.	Nos	10		
g	Call bell point 6A bell push 1 Module with Electronic chime(ding dong 230v-2 module)	Nos	8		
h	combine twin USB 3.1A Euro Socket typeA & type C-2 Module with witch	Nos	4		
i	same Board 6 Amps with switch and socket.	Nos.	17		
j	16 A modular MCB for Gayser point	Nos.	9		
26	i) Supply and fixing of modular 16A AC starter 2M to be provided separately with switch board.	Nos.	9		
	ii) Supply and fixing of modular 25A AC starter 2M to be provided separately with switch board.	Nos.	2		
27	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	RM	100		
28	Supply, erection, testing and commissioning of 6-way splitter of aluminium die cast body in suitable size of G.I. Box.	Nos.	3		
29	S.I.T.C. of 32A Mechanical key tags to be connected with all Bedroom switchboards.	Nos.	8		
	Total				

GST on work contract will be extra as applicable.