RENOVATION OF SEHERA BAZAR BRANCH BOQ FOR ELECTRICAL INSTALLATION WORKS

BOQ FOR ELECTRICAL INSTALLATION WORKS						
SL.No.	ITEM DESCRIPTION	Unit	Qty.	Rate (Rs)	Amount (Rs)	
1	Supply and installation(Concelaed) of Double door 4way VTPN DB with MCCB having breaking capacity of 16 KA with a) incoming- 1 No of 63A,4P MCCB b)outgoing - 5 Nos. of 32 A SP MCB (C series) with Necessary blanking plate as required. for AC DB	Nos.	1			
2	Supply and installation(Concelaed) of Double door 6way VTPN DB with MCCB having breaking capacity of 16 KA. with a) incoming - 01 No of 100A, 4P MCCB b) outgoing - 04 Nos. of 25/32 A SP MCB(C series) and 02 No. of 40A SP MCB(UPS input), 1 No. of 40A TP MCB with Necessary blanking plate as required.(As per IS8828-96Latest)" for MAIN DB (DG backup)		1			
3	S& F 40 amps 4P MCB C series in metal enclosure including interconnection with suitable size of copper wire) for master control lighting & Raw Power.	Nos.	2			
4	Supply and fixing of TPN MCB DB (Double door) with following accessories : a) 1 No. of 40A TP MCB as incomer b) 6 nos 16A SP MCB , 3 Nos. of 40A SP MCB for Lighting & Raw power points.		1			
5	Supply and fixing of SPN MCB DB (Double door) with following accessories : a) 1 No. of 40A, 100 mA DP RCBO as incomer b) 4 nos 10A SP MCB (Lighting DB)	Nos.	2			
6	Supply & installation(concealed) of double door 12way SPN MCB DB with following accessoriesa)1 No. 40 amp. 100 mA DP RCBO as incomer b) 4 Nos. 16 A SP MCB (Computer/Raw power DB)	Nos.	4			
7	Supply & fixing on wall industrial Plug & socket DB in metal enclosure with one 40 Amps industrial socket (P+N+E) but with 40 Amps SP MCB duly inter connected.(UPS output)	Nos.	4			
8	Supply,installation and commissioning of 1 No. of double door type. MCCB DB with 63 A MCCB at incomer and 2 Nos. of 40A MCB at outgoing for UPS input, 2 No. of 32 A MCB for Air-conditioner and 1 No. of 16 A SPMCB for light circuit.		0			
9	Supply & Installation (AC-Timer DB) of 4 hours automatic power switching controller for AC with electronic timer and manual in double door powder coated MS box. Regulate cyclic operation of 2 AC, should include: 32A DP 100mA RCBO, electronic timer QT31, 2No's 3P contactor, 2 No's 20A DP MCB, 2 No's modular switch, 2 indicator.	Nos.	0			
10	Supply & installation of 1.1 KV Grade PVC insulated and sheathed armoured AL cable with GI earth continuity wire by MS bar saddles on wall					
a)	3x1/2 c X 50 SQ MM	RM	40			
11	3x1/2 C X 25 sq mm End connection of above cable with heavy duty nickle plated brass compression gland crimping type socket insulation tape etc. with all concern.	RM	70			
a)	3x1/2 C X 25 sq mm	Nos.	8			
b)	3x1/2 c X 50 SQ MM	Nos.	2			
12	Supply & fixing of 100A FP ON Load Change over (Front handle) including interconnection with suitable size of copper.	Nos.	1			
13	Supply & installation of TPN front operated 160A, 25KA, 4P MCCB (adjustable overload and fixed short circuit) in factory fabricated, powder coat painted metal enclosure complete along with statutory caution board, earthing and having wall mounting hinges etc. The box must have sufficient space for Aluminium cable termination upto 50 sqmm.		1			
14	"Supply & installation of 16 SWG thickness sheet steel enclosure including the following duly interconnected with 2nos. 32 A DP OFF load change over switch in metal enclosure and distribution in various areas. i) 5 Nos. 25 mm x 6 mm x 300mm tinned copper bus bars (Ph-2,N-2,E-1) ii) 6 Nos. 32 Amp DP MCB and 2 Nos. neutral connector and 2 Nos. neutral (UPS Changeover)"		1			
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15	Electric Main Panel :-Supply and Installation, testing and commissioning of	set	1		
	floor/wall mounted Electric panel fabricated with 16SWG CRCA sheet. The panel				
	shall be dust and vermin proof including internal connection with bus bar/cables				
1	up to the terminals duly painted with two coats of powder coated paint,danger				
1					
	board etc. and comprising of the following:- INCOMER: 1 No. of 160A ,4P ,25KA				
	MCCB with control fuses three LEDs R,Y,B.(WBSEDCL) along with ammeter &				
1	Voltmeters of relevant range and selector switch and a) 1 No. of 100A 4P MCCB,				
1	25 KA, b) 1 Nos. of 63A 4P MCCB, 25 KA at outgoing with three LEDS with				
1	control fuse for R,Y,B indication along with ammeter & Voltmeters of relevant				
1					
1	range & selector switch with 200 amp tinned copper busbar (Normal Supply				
1	busbar).				
16	Wiring/cabling with 660/1100 V grade PVC insulated multi stranded copper				
1	wire/cable 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				
1	,				
	saddles.				
(a)	2X4 sq mm +1X2.5 sq mm	RM	280		
b)	2X2.5 sq mm +1X1.5 sq mm	RM	300		
<u> </u>	·				
c)	2x6 sq mm+1x2.5 sq mm	RM	40		
d)	4x6 sq mm +2x2.5 sq mm	RM	50		
e)	4x10 sq.mm.+2x2.5 sq mm	RM	0		
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d)	4x4 sq mm + 2x2.5 sq mm	RM	0		
17	Supply and laying of 1100 V grade PVC insulated multi stranded copper	RM	5		
1 "	11 7 7 0 11				
	wire/cable through ISI marked GI flexible conduit with junction box ,circular				
1	box, elbows ,bends, couplers and other accessories on surface by bar				
1	saddles with 4X16 sq mm +2X6 sq mm.				
	· ·				
	Supply and fixing of 200A fuse cut out including fuses for WBSEDCL or				
18	CESC power connection	Nos.	1		
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19	BEMS CONDUIT WIRING (LOCKER / RECORD ROOM/ STATIONARY/				
1	<u>Kitchen)</u>				
	Point wiring with 660Vgrade PVC insulated copper wire (FRLS) 3 x 1.5 sq.mm.				
	in 16 SWG MS conduit (ISI Marked) conduit alongwith conduit accessories				
1					
1	circular boxes, MS boxes, 6 Amps Modular type Switch socket outlets 6 pin, all				
1	individual control switch etc. Conduit size & nos of wires in conduit as per code of				
1	practice with circuit wiring with (2x2.5 +1X1.5) sq.mm. copper wire from MCB				
1	DB.)				
1	'				
a)	Fluorescent Point	Nos.	15		
b)	Ceiling Fan Point with electronic regulator	Nos.	4		
<u> </u>	<u> </u>				
(c)	Exhaust Fan Point	Nos.	2		
e)	Ceiling Fan point with regulator	Nos.	3		
		Nos.	10		
d)	Board plug point 5 pin 5 Amps socket & switch.				
20	S&F Tinned copper Earth Bar on insulator (25 mm x6mmx300mm)	Nos.	1		
21	Supply & installation of Modular MS Flush Metal box with front plate enclosing	set	15		
	the following duly interconnected :a) 2 Nos 16A switch & 2 Nos 6A Socket outlet				
	and 1 no. 6/16A socket outlet with indicator b) 1 No. mounting box c) 1 No. front				
1	, , , , , , , , , , , , , , , , , , , ,				
1	plate				
22	Distribution wiring including new point wiring 660 volt grade 2x2.5+1x1.5 sq.mm.	set	15		
	(copper) PVC insulated flexible wire in 20 mm dia. Rigid PVC (ISI Marked)	551			
	conduit along with Conduit accessories circular boxes, MS boxes, 2x 6 Amps +				
1	2x6Amps modular type switch and socket				
	Dicher and the first of the control				
23	Distribution wiring including new point wiring 660 volt grade 2x1.5+1x1.5 sq.mm.	set	12		
	(copper) PVC insulated flexible wire in 20 mm dia Rigid PVC (ISI Marked)				
	conduit along with Conduit accessories circular boxes, MS boxes, 1x 6A + 1x6A				
1	modular type switch and socket				
L	2.				
24	Supply & installation of MS Flush metal box with front plate enclosing the	set	10		
•		l	l	l	
	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				
25	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS				
25	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS		6		
25	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS Supply & Installation of 12" dia Exaust fan 900 rpm with louver including hole		6		
	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS Supply & Installation of 12" dia Exaust fan 900 rpm with louver including hole cutting	Nos.			
25	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS Supply & Installation of 12" dia Exaust fan 900 rpm with louver including hole cutting Supply & Installation of 9" dia Exaust fan 900 rpm with louver including hole		6		
	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS Supply & Installation of 12" dia Exaust fan 900 rpm with louver including hole cutting Supply & Installation of 9" dia Exaust fan 900 rpm with louver including hole cutting	Nos.			
	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS Supply & Installation of 12" dia Exaust fan 900 rpm with louver including hole cutting Supply & Installation of 9" dia Exaust fan 900 rpm with louver including hole	Nos.			
26	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS Supply & Installation of 12" dia Exaust fan 900 rpm with louver including hole cutting Supply & Installation of 9" dia Exaust fan 900 rpm with louver including hole cutting	Nos.	1		
26	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS Supply & Installation of 12" dia Exaust fan 900 rpm with louver including hole cutting Supply & Installation of 9" dia Exaust fan 900 rpm with louver including hole cutting Supply of of 48" high speed, 330rpm, air delivery 220 CMM, ceiling fan, low power consumption upto 50W (colour white)	Nos.	1 3		
26	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS Supply & Installation of 12" dia Exaust fan 900 rpm with louver including hole cutting Supply & Installation of 9" dia Exaust fan 900 rpm with louver including hole cutting Supply of of 48" high speed, 330rpm, air delivery 220 CMM, ceiling fan, low power consumption upto 50W (colour white) Supply & Installation of 16" high speed, double ball bearing wall mounted fan (Nos.	1		
26	outlet with indicator b) 1 No. mounting box c) 1 No. front plate FANS Supply & Installation of 12" dia Exaust fan 900 rpm with louver including hole cutting Supply & Installation of 9" dia Exaust fan 900 rpm with louver including hole cutting Supply of of 48" high speed, 330rpm, air delivery 220 CMM, ceiling fan, low power consumption upto 50W (colour white)	Nos.	1 3		

Supply & finding of Downlighter with 6500 K.1200 lumen, 110 lm/wt, LED 6000- Nos. 30						
6500 K with surge protection of 2.5 Volts 30 Supply & fixing of 2x2 Frame for LED Light Fittings Nos. 0 31 Supply & fixing of 2x2 Frame for LED Light Fittings Nos. 6 32 Supply & fixing o C Bitable astra Spot light Nos. 6 33 Supply and fixing of Path fitting, 600x600 mm suitable for recess mounting, CRCA sheet, asthetic looking 33 Supply and fixing of extruded 4 ft. aluminium batten 20 W LED Tube fittings. Nos. 5 34 Supply and fixing of angular /batten holder with 9 W LED lamp on wall or ceiling with necessary interconnection ceiling with necessary interconnection or ceiling with necessary with socket or 120 SWOR Rigid PVC (ISM barted medium grade) conduit along with Conduit accessories circular boxes. MS boxes, 6 Amps Modutar Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 ± 1x1.5) sq. mm. copper wire from MCB DB to respective switch board NB. (()Earth & neutral may be looped but from the last point earth & Neutral has to be connected with switch board (ii)Print wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans. 8) Fluorescent Point Nos. 20 1a) Light point(one switch controls one light) Nos. 20 1b) Light point(one switch control wire lights) Nos. 2 2c) Light point(one switch control wire lights) Nos. 5 1c) Call bed (light high print of king and bed) Nos. 2 2d) Exhaust Fan point with regulator Nos. 5 1c) Calling Fan point with regulator Nos. 6 1d) Exhaust Fan point with samp spin socket Nos. 6 1d) Board plug point 5 in Armys with switch. Nos. 6 1d) Board plug p	29	LED LIGHT FITTINGS				
31 Supply & fixing o LED tiltable astra Spot light 32 Supply & fixing o of light fitting, 600x600 mm suitable for recess mounting, CRCA sheet, asthetic looking 33 Supply and fixing of 24W 830 IP20 SMLED flexi strip with driver. 34 Supply and fixing of extruded 4 ft. aluminium batten 20 W LED Tube fittings. 35 Supplying and fixing of angular rbatten holder with 9 W LED lamp on wall or celling with necessary interconnection. 36 Distribution wiring(concelled/surface) including new point wiring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWC Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per ocde of practice with circuit wiring with (2x2.5 + 1x1.5) sq.mm. copper wire from MCB DB to respective switch board NB. ()(Earth & neutral may be looped but from the last point earth & Neutral has to be connected with switch board,(ii)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans. a) Fluorescent Point Nos. 20 light point(one switch controls one light) Nos. 20 light point(one switch control three lights) Nos. 2 light point(one switch control three lights) Nos. 2 light point(one switch control in the lights) Nos. 2 light point(one switch control in the lights) Nos. 2 light point for switch control three lights) Nos. 2 light point for switch control in the lights of the switch one of the lights of the switch one of the lights of the switch one of the lights of t			Nos.	30		
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mounting,CRCA sheet, asthetic looking 33 Supply and fixing of 24W 830 IP20 5M LED flexi strip with driver. 34 Supply and fixing of extruded 4 ft. aluminium batten 20 W LED Tube fittings. 35 Supplying and fixing of angular /batten holder with 9 W LED lamp on wall or Nos. 36 Distribution wiring/concealed/surface) including new point wiring 660 volt grade 3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWC Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1x1.5) sq.mm. copper wire from MGD BD to respective switch board.N.B. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with switch board (Ii)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans. 4) Fluorescent Point a) Eliptropint(one switch controling two lights) (c) Light point(one switch controling two lights) (d) Exhaust Fan point (e) Ceiling Fan point with regulator f) Call bell (with supply and fixing call bell) (e) Wall Bracket Fan point with 6 amp Epin socket nos 3) Supply & fixing 1-18 amp north-west motor starter with plugtop indicator type 30 Supply & fixing 1-18 amp north-west motor starter with plugtop indicator type 31 Supply & fixing 1-18 amp north-west motor starter with plugtop indicator type 32 Supply & fixing 1-18 amp north-west motor starter with plugtop indicator type 33 Supply & fixing 1-18 amp north-west motor starter with plugtop indicator type 44 Sa&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT RM 50 Supply & fixing 1-18 amp north-west motor starter of with station with 50 mm 45 Supply & fixing 1-18 amp north-west motor starter of with station with 50 mm 46 SaF 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT RM 50 Supply & fixing 1-18 amp north-west motor	31	Supply & fixing o LED tiltable astra Spot light	Nos.	6		
Supply and fixing of extruded 4 ft. aluminium batten 20 W LED Tube fittings. Supplying and fixing of angular /batten holder with 9 W LED lamp on wall or ceiling with necessary interconnection. Supplying and fixing of angular /batten holder with 9 W LED lamp on wall or ceiling with necessary interconnection. Supplying and fixing of angular /batten holder with 9 W LED lamp on wall or ceiling with necessary interconnection. Supplying and fixing of angular /batten holder with 9 W LED lamp on wall or ceiling with conduction and provided and supplying and of conduction and with Conduction and supplying and of conduction and supplying and su	32	11 3	Nos	21		
35 Supplying and fixing of angular /batten holder with 9 W LED lamp on wall or Nos. 8 ceiling with necessary interconnection. 36 Distribution wiring(conceal/surface) including new point wiring 660 voit grade 3x1.5 s.q.mm. (cu) PVC flexible wire in 20 SWC Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes. MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective switch board.NB. ()Earth & neutral may be looped but from the last point earth & Neutral has to be connected with switch board.(ii)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans. a) Fluorescent Point a) Light point(one switch controls one light) Nos. 20 b) Light point(one switch controls one light) Nos. 20 c) Light point(one switch controls one light) Nos. 5 c) Light point(one switch control light lights) Nos. 2 d) Exhaust Fan point e) Call bell (with supply and fixing call bell) Nos. 5 c) Call bell (with supply and fixing call bell) Nos. 2 Nos. 6 Call bell (with supply and fixing call bell) Nos. 8 Nos. 9 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type socket N ms BOX WITH HYLAM SHEET 38 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type socket N ms BOX WITH HYLAM SHEET 38 Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable Nos. 1 Nos. 1 Nos. 1 Nos. 2 Radio Alarking with printed stiker of electrical DBs,SFU,and individual circuit in UPS LS. 1 DB_LDB of switch board and UPS power etc. 40 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS LS. 1 DB_LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm Nos. 4 dia 3 mts. length GI pipe (Class B) buried at an average depth of 3 mts. below ground	33	Supply and fixing of 24W 830 IP20 5M LED flexi strip with driver.	Nos.	5		
ceiling with necessary interconnection. 36 Distribution wiring(concealed/surface) including new point wiring 660 volt grade 3x1.5 s.g.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) s.g.mm. copper wire from MCB DB to respective switch board.NB. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with switch board.(II)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/fans. a) Fluorescent Point a) Light point(one switch controls one light) Nos. 20 Light point(one switch controling two lights) b) Light point(one switch controling two lights) c) Light point(one switch control three lights) e) Celling Fan point Nos. 5 c) Celling Fan point with regulator f) Call bell (with supply and fixing call belt) Nos. 2 g) Wall Bracket Fan point with 6 amp 5pin socket h) Board plug point 5 pin 5 Amps with switch. Nos. 6 37 Supply & fixing 11-14 samp north-west motor starter with plugtop indicator type socket IN ms BOX WITH HYLAM SHEET 38 Supply & fixing 16 amp plug top with indicator 39 Supply & fixing 16 amp plug top with indicator 40 Marking with printed stiker of electrical DBs,SFU, and individual circuit in UPS DB.LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm did a 3ms. length Gl pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and	34	Supply and fixing of extruded 4 ft. aluminium batten 20 W LED Tube fittings.	Nos.	15		
3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes. MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size 8 nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1x1.5) sq.mm. copper wire from MCB DB to respective switch board.N.B. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with switch board (I)Point wiring should be inclusive of continuous wire length up to the connection block of light fittings/flans. a) Fluorescent Point Nos. 20 a) Light point(one switch controls one light) Nos 0 b) Light point(one switch control ing two lights) Nos 20 c) Light point(one switch control free lights) Nos. 2 d) Exhaust Fan point e) Celling Fan point with regulator Nos. 5 f) Call bell (with supply and fixing call bell) Nos. 2 g) Wall Bracket Fan point with 6 amp 5pin socket Nos. 2 g) Wall Bracket Fan point with 6 amp 5pin socket Nos. 8 h) Board plug point 5 pin 5 Amps with switch. Nos. 6 37 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type socket IN ms BOX WITH HYLAM SHEET 38 Supply & fixing 16 amp plug top with indicator Nos. 1 Supply & fixing 3x2.5 sq.mm. PVC insulated multistrand flexible cable RM 5 40 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS DB,LDB of switch board and UPS power etc. 41 Earthing as per it 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length Gl pipe (Class B) buried at an average depth of 3 mts. below ground level with 7714 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBs, VSAT RM 50 with power of the po	35	1170	Nos.	8		
a) Light point(one switch controls one light) b) Light point(one switch controling two lights) c) Light point(one switch control three lights) d) Exhaust Fan point Nos. 2 d) Exhaust Fan point Nos. 5 e) Ceiling Fan point with regulator f) Call bell (with supply and fixing call bell) Nos. 2 g) Wall Bracket Fan point with 6 amp 5pin socket nos 8 h) Board plug point 5 pin 5 Amps with switch. Nos. 6 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type Nos. 3 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type Nos. 1 Supply & fixing 16 amp plug top with indicator Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS LS. 1 DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length Gl pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of Gl earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh with 25W LED Nos. 4 lamps with pressure die cast housing with epoxy coated dark graphite grey colour finish and prismatic polycarbonates cover with individual LED lenses, including necessary Gl bracket with clamp.	36	3x1.5 sq.mm. (cu) PVC flexible wire in 20 SWG Rigid PVC (ISI Marked medium grade) conduit along with Conduit accessories circular boxes, MS boxes, 6 Amps Modular Type switch with socket outlets 6 pin, all individual control switch etc. Conduit size & nos of wires in conduit as per code of practice with circuit wiring with (2x2.5 + 1X1.5) sq.mm. copper wire from MCB DB to respective switch board.N.B. (I)Earth & neutral may be looped but from the last point earth & Neutral has to be connected with switch board.(ii)Point wiring should be inclusive of continuous wire length up to the connection block of				
a) Light point(one switch controls one light) b) Light point(one switch controling two lights) c) Light point(one switch control three lights) d) Exhaust Fan point Nos. 2 d) Exhaust Fan point Nos. 5 e) Ceiling Fan point with regulator f) Call bell (with supply and fixing call bell) Nos. 2 g) Wall Bracket Fan point with 6 amp 5pin socket n) Board plug point 5 pin 5 Amps with switch. Nos. 6 Nos. 6 Nos. 6 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type Nos. 3 socket IN ms BOX WITH HYLAM SHEET Supply & fixing 16 amp plug top with indicator Nos. 1 Supply & fixing 16 amp plug top with indicator Nos. 1 Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS LS. 1 DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length Gli pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT RM supply and fixing of Gl earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh with 25W LED Nos. 4 lamps with pressure die cast housing with epoxy coated dark graphite grey colour finish and prismatic polycarbonates cover with individual LED lenses, including necessary Gl bracket with clamp.	3)	Fluorescent Point	Nos	20		
b) Light point(one switch controling two lights) c) Light point(one switch control three lights) d) Exhaust Fan point Nos. 2 d) Exhaust Fan point Nos. 5 e) Ceiling Fan point with regulator f) Call bell (with supply and fixing call bell) Nos. 2 g) Wall Bracket Fan point with 6 amp 5pin socket nos 8 h) Board plug point 5 pin 5 Amps with switch. Nos. 6 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type socket IN ms BOX WITH HYLAM SHEET Supply & fixing 16 amp plug top with indicator Nos. 1 Supply & fixing 30x2.5 sq.mm. PVC insulated multistrand flexible cable RM 5 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS DB,LDB of switch board and UPS power etc. Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length GI pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh 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.						
c) Light point(one switch control three lights) d) Exhaust Fan point e) Ceiling Fan point with regulator f) Call bell (with supply and fixing call bell) Nos. 5 g) Wall Bracket Fan point with 6 amp 5pin socket h) Board plug point 5 pin 5 Amps with switch. 3 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type socket IN ms BOX WITH HYLAM SHEET 38 Supply & fixing 16 amp plug top with indicator 39 Supply & fixing 16 amp plug top with indicator 39 Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable 40 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length GI pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh 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.				_		
d) Exhaust Fan point e) Ceiling Fan point with regulator Nos		0 0 7				
e) Ceiling Fan point with regulator f) Call bell (with supply and fixing call bell) Nos. 2 g) Wall Bracket Fan point with 6 amp 5pin socket h) Board plug point 5 pin 5 Amps with switch. Nos. 6 Nos. 6 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type socket IN ms BOX WITH HYLAM SHEET Supply & fixing 16 amp plug top with indicator Nos. 1 Supply & fixing 16 amp plug top with indicator Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS LS. 1 DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length Gl pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh with 25W LED Nos. 4 Iamps 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.		0 /				
f) Call bell (with supply and fixing call bell) g) Wall Bracket Fan point with 6 amp 5pin socket h) Board plug point 5 pin 5 Amps with switch. Nos. 6 37 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type socket IN ms BOX WITH HYLAM SHEET 38 Supply & fixing 16 amp plug top with indicator 39 Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable RM 5 40 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS LS. 1 DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length Gl pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of Gl earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh with 25W LED Nos. 4 lamps with pressure die cast housing with epoxy coated dark graphite grey colour finish and prismatic polycarbonates cover with individual LED lenses, including necessary Gl bracket with clamp.		·		_		
g) Wall Bracket Fan point with 6 amp 5pin socket h) Board plug point 5 pin 5 Amps with switch. Nos. 6 37 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type Nos. 3 socket IN ms BOX WITH HYLAM SHEET 38 Supply & fixing 16 amp plug top with indicator Nos. 1 39 Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable RM 5 40 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length Gl pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh 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.						
h) Board plug point 5 pin 5 Amps with switch. Nos. 6 37 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type Nos. 38 Supply & fixing 16 amp plug top with indicator Nos. 1 39 Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable RM 5 40 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS LS. 1 DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length Gl pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh 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.		, ,,,				
37 Supply & fixing 11-18 amp north-west motor starter with plugtop indicator type Nos. 3 socket IN ms BOX WITH HYLAM SHEET 38 Supply & fixing 16 amp plug top with indicator Nos. 1 39 Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable RM 5 40 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS LS. 1 DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length GI pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh 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.						
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39 Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable 40 Marking with printed stiker of electrical DBs,SFU,and individual circuit in UPS DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length GI pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh 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.	37		Nos.	3		
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DB,LDB of switch board and UPS power etc. 41 Earthing as per IE 3043 Rules including making of 1 No. earth station with 50 mm dia 3 mts. length GI pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh 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.	39	Supply & fixing 3cx2.5 sq.mm. PVC insulated multistrand flexible cable	RM	5		
dia 3 mts. length GI pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including providing masonary inspection pit and restoration of surface duly rammed. 42 S&F 2x 2.5 PVC Armored copper Cable for Generator Neutral, CBS, VSAT earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh with 25W LED Nos. 4 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.	40	• •	LS.	1		
earthing (From Earth station to 16 Amp VSAT sw at system room) (CONCEALED WHERE NECESSARY) 43 Supply and fixing of GI earth strip of size 25 mm x 3mm with insulator at 2 feet interval and all accesssories nut bolts wasser etc. as required connection complete 44 Supplying, installation, testing & commissioning of Security ligh 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.	41	dia 3 mts. length GI pipe (Class B) buried at an average depth of 3 mts. below ground level with 7/14 stranded earth lead wire upto earth busbar including	Nos.	4		
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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.	43	interval and all accesssories nut bolts wasser etc. as required connection	RM	30		
TOTAL ESTIMATED AMOUNT (EXCLUDING GST) Rs.	44	lamps with pressure die cast housing with epoxy coated dark graphite grey colour finish and prismatic polycarbonates cover with individual LED lenses, including	Nos.	4		
		TOTAL ESTIMATED AMOUNT (EXCLUDING GST)			Rs.	
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Makes of the materials as per the list of Approved Make as mentioned in Notice Inviting Tender

Note