	Bill of Quantities for Electrical Works at Proposed State Bank of India Branch at N	10HABA	ΓPUR.,HAI	RYANA.	
S.No.	Item / Specifications	Qnty.	Units	Rate	Amount
	I: COMPUTER POINTS & DISTRIBUTION	Qiity.	Oilles	Nate	Amount
	Supply all material, storing, handling, fixing of computer points computer points in suitable size of GI box including providing 3 nos 5 amps 3 pin modular sockets to be provided under table top and controlled by 1 no 15 A moduler type switch, indicator (to be provided above the table top in partition) with moduler cover plate etc complete as required including 3X2.5 sq. mm copper armored cable (avaerage 7mtr cable per point) Note: Maximum two computer points are to be provided on one circuit. (Switches: Make: Anchor/Crabtree/North-West/MK	8.00	each		
2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing modular type 02 NO 6 pin 15/16 Amp.socket 01 no 15/16 Amp modular switch and indicator modular switch, connections etc. as requiredfor printer and BMcabin./ATM	2.00	each		
3	Providing and laying following sizes of PVC insulated copper conductor cable of 1100 V in flexible/ PVC conduit pipe with accessories such as glands bends etc(as per requirement) including making necessary interconnection etc complete as required.				
	2 X 6 Sq mm with 1 no suitable insulated 2.5 sq mm copper wire in PVC flexible pipe. (Make: Havells/ RR Kable / KEI/Finolex)	20.00	mtr.		
4	Supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited powder coated sheet fabricated comprising of incoming and outgoing isolator & MCBs neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as required as per details below. Make: Havells/HPL/Standard/ Hager/ Legrand/L&T				
a)	8 way SPN MCBDB Double Door comprising of 1 No 63 Amp DP Isolator and 6 No SPMCB 10/16 Amp. (UPS output)	1.00	no.		
b)	6 way SPN MCBDB comprising of 1 No 63 Amp DP Isolator and 4 No SPMCB 10/16 Amp.	1.00	No		
c)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A FP TPN and 6 Nos.32 A DPMCBS etc complete as required.	2.00	no.		
d)	4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 63 A FP MCB and 12 Nos. 6/10 Amp SPMCBS with 63 Amp ELCB 30 MA etc complete as required. (for Light, Fan point).	1.00	no.		
5	Supply, installation, testing and commissioning of following capacity 3 pin metal clad industrial type plug and socket arrangement with plug top, cap and chain controlled by under noted capacity:				
a)	20 Amp with 20 Amp. C Curve SP MCB. (for UPS OUTPUT AND 1.5 TR AC's) Make: Havells/HPL/Standard/ Hager/Legrand/L&T	7.00	no.		
6	Providing and fixing of suitable size MS box fabricated with 16 G MS sheet either in recess wall or on surface to accommodate dedicated earth from earth electrode and further distribution of earth to computer points including providing of 5 mm bakelite on base connector strip and painting of box etc as required.	1.00	job		
7	Wiring of light points, plug points & power points Wiring for light point/ ceiling fan point/ exhaust fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit ISI Mark, with 6Amp modular switch, modular plate, suitable GI junction & switch boxes & clip and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.(Make: Havells/ RR Kable / KEI/Finolex)				

	(Rate includes 3 x 2.5 sq.mm FRLS copper conductor, single core cable in PVC			T
	conduit for circuit/sub main wiring along with earth wire)			
a)	6 Amp Switch controlling 1 light point	10.00	no.	1
	6 Amp Switch controlling 4 no. downlights or 2 no. 2'- 0"x 2'-0" 36 watt light fitting	15.00	no.	
c)	Primary Wall fan point controlled by 5 AMP socket controlled by 5amp switch	8.00	no.	
	Note: Lihgt points to be calculated ny numbers of lights and no extra cost shall			
	be paid for dummy switch.)			
d)	Raw Power point with 15amp socket controlled by 15 Amp switch with seprate wiring of 2.5 Sq.mm from DB.	2.00	no.	
8	Providing and fixing of 03 no 200 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required	1.00	job	
	II : PANELS & CABLES			
9	Supply & Installation of 8 way TPN vertical distribution board with provision for			
	4pole MCCB as incomer with copper bus bar,earth and neutral bus. With 160 Amp MCCB Incomer and for Outgoiing 6 no 63 Amp MCB			
	(Make: Standard/Havells / L & T)	1.00	no.	
10	Supply, Installation, testing $\&$ commissioning of PVC insulated PVC sheathed			
	armoured cable of 1100 V (IS ;1554 Part 1) and fixing of cable on wall with			
	suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall			
	/floor and making good the damages etc complete as required of following sizes			
	(ISI marked). (Make: Havells/ RR Kable / KEI/Finolex/Pymen)	25.00		
	3.5X35 sq. mm aluminum conductors with two Nos. 8 SWG GI wire	25.00	mtr.	1
	3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire	50.00	mtr.	1
	3X6 sq. mm copper armored cable .with one No. 8 SWG GI wire	40.00 60.00	mtr.	
	3X2.5 sq. mm copper armored cable. Supplying and making end termination with brass compression gland and	60.00	mtr.	+
	aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE			
	aluminium/Copper conductor cable of 1.1 kV grade as required.			
a)	3.5X35 sq.mm aluminum conductor	3.00	no.	
	3.5X 25 sq.mm aluminum conductor	6.00	no.	†
	3X6 sq. mm Copper cable gland.	4.00	no.	
	3X2.5 sq. mm Copper cable gland.	14.00	no.	
12	UPS DISTRIBUTION BOARD			
	supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming and outgoing isolator and MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as requd. Make: Havells/HPL/Standard/ Hager/ Legrand/L&T as per details below:-			
а	4 way DB comprising of 2 no. 63 amp DPMCB (UPS out put)	2	each	
b)	4 way TPNDB Double Door comprising of 1 no. incoming 63 amp MCB $\&$ 3 no. 32 DPMCB	1	each	
13	Supply and fixing the 1 no.4 pole 200 Amps capacity change over switch with adaptor box on suitable size of MS base and angle iron frame of suitable size and strength for installation on wall /floor including grouting of frame & painting etc. complete as required .Make: Havells/HPL/Standard/ Hager/ Legrand/L&T	1.00	no.	
14	EARTHING			
	a)Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate	1	Sets	
	i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.			

	b)Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at	2	Sets	
	top with cover plate i.e excavation of pit, supplying and filling of salt charcoal,			
	refilling of pit etc complete as required as per IS 3043-1987.			
15	a)Supply fixing and termination of 20X3 mm copper strip with earth station below	5	Meter	
	ground level etc as required.		Wieter	
	b)Supply fixing and termination of 20X3 mm G.I strip with earth station below	10	Meter	
	ground level etc as required.			
16	a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing	30	Meter	
-	etc. as required.			
	b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc.	25	Meter	
	as required.			
17	Supply and laying following dia 2 mm in thickness PVC pipe under floor or in			
	recessed walls from earth electrode to UPS room for computer dedicated			
	earthing			
	25 mm diameter	40	Meter	
PART	-III AIR CONDITIONING WORK			
	Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG			
	For Hiwall Split AC complete with fittings Suction / Discharge line insulated with 12			
	mm SUPERLON / ARMAFLEX suction line. Multi-runs between Indoor & Outdoor			
	units shall be considered as ONE length for the purpose of measurement. (Make:			
	Total Line/Armacell)			
	1/4" + 1/2" Refrigerant piping - For Hiwall Split AC's	65.00	mtr.	
19	Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia	30.00	mtr	
-	complete with fittings, U traps etc. & as specified to the nearest toilet / drain point	30.00	'''	
	under floor or in recessed walls for AC drains including cutting of walls, bends &			
	Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme)			
	Trees. Thaking good the damages etc. wherever required. (Wake: Diplast/Supreme)			
20	Eletrical flexible cable of 3x2.5sq.mm multi strand suitable for 1.5 Tr H.W Split &	80.00	mtr	
	1.00 Tr H.W Split. Multi-runs between Indoor & Outdoor units shall be considered			
	as ONE length for the purpose of measurement.(Make: Havells/ RR Kable /			
	KEI/Finolex)			
PART	IV - TELPHONE & DATA CABLE			
21	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned	5.00	no.	
	electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit			
	complete with accessories such as bends, junction boxes etc. with suitable size of			
	G.I. box modular plate and cover in front on surface or in recess including			
	providing and fixing modular type telephone socket outlet and making necessary			
	connections etc. complete as reqd. (Make: Dglink/KEI/Finolex)			
22	Supply, installation and testing & commissioning of Tag Block 20 pair for	1.00	no.	
	telephone connections Make krone			
23	Providing , Laying, testing & commisioning of 10 pair telephone cable from outside	20.00	mtr.	
	govt. / bsnl DB to Rack for lease line, ISDN of Make: Delton, finolex, polycab.			
<u> </u>				
24	Data cabling work for computer networking starting from mounting rack at system	7.00	no.	
	room with UTP CAT-6e LAN Data cable in 2mm thick 25 mm dia ISI mark PVC			
	conduit with accessories such as bends, Tees, junction boxes including providing			
	and fixing cat-6 I/O plates and SMB complete with all networking accessories etc			
	complete as reqd.,			
	testing and ferruling (D-LinK/MOLEX/AMP/COMMSCOPE).			
	Note: maximum 6 no. data cable must be run in one pvc pipe.			
25	supply, installation, testing and commissioning of 24-port Patch Panel	1.00	no.	
	Supply and installation, testing and commissioning of mounted rack 15" hight	1.00	no.	
26	made of powder coated MS sheet			
	supply, installation, testing and commissioning of factory manufactured CAT-6e			
27	patch chord complete with 2 no. connectors etc. complete as reqd.			ļ
	1 mtr. long	7.00	no.	
<u> </u>	2 mtr. long	12.00	no.	
<u>F</u>	PART-V: SUPPLY, INSTALLATION TESTING & COMMISSIONING OF FANS & FIXTURE	<u>5</u>		

28	SITC of 2"x2" Celing grid 30 watt LED fixtures with essential driver in false ceiling	8.00	no.		
	including making necessary arrangement for mounting the fixtures and connection				
	with 2 x 1.5 sq.mm insulated copper cable from adjacent point in PVC flexible pipe				
	etc Complete as reqd. Make Philips cat. RC 380 B- LED-30-6500PSE OD WH or				
	equivalent of Wipro / Bajaj.				
29	SITC of 15 watt LED fixtures /dowlighters with essential driver in false ceiling	24.00	no.		
	including making necessary arrangement for mounting the fixtures and connection				
	with 2 x 1.5 sq.mm insulated copper cable from adjacent point in PVC flexible pipe				
	etc complete as reqd. Make Phillips cat no. DN - 192 - 1000 or equivalent of Wipro				
	/ Bajaj.				
	SITC of 5 watt recess mounted LED down light with assembly complete with				
30	including making necessary connections etc. Complete as reqd. (M/s Crompton	4	no.		
	Cat No. Or equivalent of Philips/Wipro/ Bajaj)				
31	SITC of 18 watt of T5 LED fixtures directly on ceiling / wall including making	2.00	no.		
	necessary connections with 2x1.5 sq.mm insulated copper cable conductor wire				
	etc. complete as reqd Make Phillips cat no. DN - 192 - 1000 or equivalent of				
	Wipro / Bajaj.			<u> </u>	
32	SITC of 400 mm sweep wall fan etc, complete as reqd. (M/s Crompton Hi-Flo or	8.00	no.		
	equivalent of Khaitan / Bajaj.)				
33	LED Strip light (4.5/5 watt)for cove (M/s Phillips /Wipro / Bajaj Complete in all	10.00	MTR.		
	respects with suitable drivers				
	SITC of 200 mm exhaust fans complete with self opening louvers / shutters	3.00	no.		
	including necessary frame etc, complete as reqd. (M/s Crompton High Breeze or				
34	equivalent of USHA / Bajaj).				
35	SITC of Automatic Programmable Time Switch 24 Hour for Glow sign board and	2	no.		
	Lampa and the Lampa and the control of the control				
	ATM AC's (Make: L&T or equivelent to Legrand/Havells/Seimens)				
36	AIR CONDITIONING WORKS				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil-				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coilcopper only_ fan and fan motor, machine control panel improved refringent				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor,				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder				
36	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make				
	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star				
	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all				
a)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer	2	no.		
a)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer 1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all				
a)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer	2	no.		
a) b)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer 1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer Providing and fixing stablizer inputvoltage range of 140-280V and output to be				
a) b)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer 1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer Providing and fixing stablizer inputvoltage range of 140-280V and output to be 230V Make Blue Bir/Logic state/ Inline/V-guard (Copper winding)	3	no.		
a) b)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer 1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer Providing and fixing stablizer inputvoltage range of 140-280V and output to be 230V Make Blue Bir/Logic state/ Inline/V-guard (Copper winding)				
a) b)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer 1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer Providing and fixing stablizer inputvoltage range of 140-280V and output to be 230V Make Blue Bir/Logic state/ Inline/V-guard (Copper winding) 4 KVA (1TR to 1.5 TR Split AC) TOTAL OF PART I - IV (A)	3	no.		
a) b)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer 1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer Providing and fixing stablizer inputvoltage range of 140-280V and output to be 230V Make Blue Bir/Logic state/ Inline/V-guard (Copper winding) 4 KVA (1TR to 1.5 TR Split AC) TOTAL OF PART I - IV (A) TOTAL OF PART I - IV (A)	3	no.		
a) b)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer 1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer Providing and fixing stablizer inputvoltage range of 140-280V and output to be 230V Make Blue Bir/Logic state/ Inline/V-guard (Copper winding) 4 KVA (1TR to 1.5 TR Split AC) TOTAL OF PART I - IV (A)	3	no.		
a) b)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer 1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer Providing and fixing stablizer inputvoltage range of 140-280V and output to be 230V Make Blue Bir/Logic state/ Inline/V-guard (Copper winding) 4 KVA (1TR to 1.5 TR Split AC) TOTAL OF PART I - IV (A) TOTAL OF PART I - IV (A)	3	no.		
a) b)	AIR CONDITIONING WORKS Supply, erection testing and commissioning following Wall Mounted/Roof Mounted Cassette units with cordless remote complete with all necessary firring duly insulated with 9mm thk. Nitrite rubber pipe insulation with (evaporate coil- copper only_ fan and fan motor, machine control panel improved refringent joints, Air conditioners shall be fitted with hermetically sealed type suction reciprocating or discharge cooled rotary compressor or scroll compressor, compressor unit operating on R22/R410. All complete as per drawing and Instructions of the Architect/employer (rates to be inclusive of copper refringent pipe and supply cable with insulation and drain pipe up to 3mtr. length & powder coated MS Stand) Copper only (Make Toshiba/Mitsubishi/Hitachi/Daikin/Carrier/Voltas/Blue star 1.0 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer 1.5 TR wall mounted split unit (Minimum 5 star rating invertor type) including all necessary fitting amd mounting as specified by the manufacturer Providing and fixing stablizer inputvoltage range of 140-280V and output to be 230V Make Blue Bir/Logic state/ Inline/V-guard (Copper winding) 4 KVA (1TR to 1.5 TR Split AC) TOTAL OF PART I - IV (A) TOTAL OF PART I - IV (A)	3	no.		