	BILL OF QUANTITIES OF ELECTRICAL WORK AT STATE BANK OF INDIA BRANCH AT SAWRA DISTT.SHIMLA (HP)				
S. No.	Item	Quantity	Units	Rate	Amount
1	SUB HEAD 1 (COMPUTER POINTS AND DISTRIBUTION)				
1.1	Computer Points Supply all materials, receiving, storing, handling, fixing and laying 3 x 2.5 sq.mm PVC insulated copper conductor armoured cable and fixing of cable on wall with suitable size of clamps/saddles or laid in floor or recessed wall including cutting of floor/wall for computer points with suitable size GI Box with modular plate and cover in front including providing and fixing 3 no. 5 amp 5 pin modular sockets controlled by 1 no. 5Amp switch with indicator, connection end terminations with suitable size of glands etc. complete as required. (Only two points can be connected in series with single cable) 3 points for CM Cabin, and 2 per Seat	20.00	Each		
ii	As per item 1 above but with 2 no. 16 amp 5 pin modular sockets controlled by 1 no.16 amp modular switch and 6 amp indicator Lamp including the cover plate. (2 Point in ATM 2 Point near Rack) (UPS Power)	4.00	Each		
iii	As per item 1 above but with 1 no. 16 amp 5 pin modular sockets controlled by 1 no.16 amp modular switch and 6 amp indicator Lamp including the cover plate.(Raw Power)	12.00	Each		
1.2	Point Wiring: Supply and Installation of Points for Wiring for Lights, Exhaust Fans with 2 x 1.5 sq.mm + 1 x 1sq.mm copper conductors from Switchboard to outlet or fixture/fixtures, including the modular switches and plates. Including the cost of the PVC 2mm thick copper conduits and ceiling rose. Including wiring from DB to Switchboard @ 2x2.5sqmm+2.5sqmm				
i	1 no. light controlled by 1 no. switch	29.00	Each		
ii	2 no. light controlled by 1 no. switch	20.00	Each		
iii	5/6 pin 6 amp plug point with 6 amp switch	7.00	Each		
iv	Primary Wall fan point controlled by 5 AMP socket controlled by 5amp switch	11.00	Each		
v	1 no. 15Amp 5 Pin Socket controlled by 1 no. 15 Amp. Switch for Record /Cash/Gols Safe Room	4.00	Each		
1.6	Distribution Box Supply Installation, testing & commissioning of factory fabricated distribution board rust inhibited, powder coated Sheet fabricated comprising of incoming & outgoing isolator & M.C.B's neutral link or neutral bus,top and bottom detachable entry earthing bolts Interconnection and grouting bolts etc complete as reqo. as per details below:-				
i	12 way SPN DB Double Door comprising of 1 no. 63 amp DPMCB "C"Series and 10 no. 6/10amp SPMCB's "C" SERIES. (for the UPS points only two points shall be connected with one MCB) (For UPS Points)	1.00	Each		
ii	6 way SPN DB Double Door comprising of 1 no. 40 amp DPMCB "C"Series and 4 no. 6/10amp SPMCB's "C" SERIES. (For UPS Points)	1.00	Nos		
ii	4 way TPNDB Double Door comprising of 1 no. 63 Ampere 4 Pole Isolator and 12 nos. 10-20 amp SPMCB C Series. (For Light & Power Points)	2.00	Each		
ii	4 way TPNDB Double Door comprising of 1 no. 63 Ampere 4 Pole Isolator and 6 nos. 25-32 amp DPMCB "C " Series. (For AC Points & E-Lobby)	2.00	Each		
1.7	UPS DISTRIBUTION 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. as per details below:				
a)	4 way DB comprising of 1 no. 63 amp 4 pole TPN MCB (for UPS input)	1.00	Each		
b)	4 way DB comprising of 2 no. 63 amp DPMCB (UPS out put)	2.00	Each		
1.8	Supply, fixing and testing of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB				
i	20/25 amp with 20/25 amp SPMCB (4 to UPS Rm)	4.00	No		
ii	20/25 amp with 20/25 amp SPMCB (for 1.5 Ton AC)	7.00	No		
iii	30 amp with 63 amp SPMCB (For UPS Room)	3.00	No		
1.9	Providing & fixing suitable size of MS box fabricated with16 S.W.G.M.S. 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 5mm backalite sheet on base connector strip and painting of box etc complete as reqd.	1.00	Job		
	TOTAL SUB-HEAD -1				

S. No.	Item	Quantity	Units	Rate	Amount
2	SUB HEAD 2(PANELS & CABLES)				
2.1	Providing & fixing 3 No.100 amp kitkats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd.	1.00	Job		
	MAIN PANEL				
2.2	Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade)over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below-	1.00	Set		
a)	Incoming 125 amp MCCB 4 pole with 25 KA breaking capacity at 415 Volts (L&T Make DN Series)				
b)	1 set of 160 amp TPN aluminium busbar chamber				
c)	1 no. 0-500 V Voltmeter with selector switch in a separate compartment and amp meter with selector switch and one set of CTs (3 no.) with CT ratio 150/5 A with LED type indication lamps with protection fuses in a separate compartment				
	Outgoing				
d) 2.3	5 No. 63 amp 3 pole MCCB switch with separate neutral link. (MCCB'S With 25KA BREAKING CAPACITY at 415 Volts. L&T make DN series). CABLES Supply, installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V (IS-1554 part I) and fixing of cable on wall with suitable size of clamps/				
	saddles or laid in floor/recess wall including cutting of floor/wall and making good the damages etc. complete as reed. of following sizes:-				
i	3.5 x 25 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire	90.00	Mtr		
ii	4 x 10 sq.mm. aluminium conductor with 1 no. 8 S.WG.G.1. wire	90.00	Mtr		
iii	3 x 6 sq.mm copper conductor (for UPS DB)	50.00	Mtr		
v	3 x 2.5 sq.mm. insulated copper conductor (AC Distribution)	105.00	Mtr		
2.4	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.				
	12 X6 sq. mm + 1 X 2.5 sg. mm earth wire for UPD input and Output Supply	30.00	Mtr		
2.5	End termination with Brass compression glands including providing lugs/ferrules and making necessary connections etc. complete as reqd. of following sizes:-				
i	3.5 x 25 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire	10.00	Each		
ii	4 x 10 sq.mm. aluminium conductor	6.00	Each		
iii	3 x 6 sq.mm copper conductor	9.00	Each		
iv	3 x 2.5 sq.mm. insulated copper conductor	10.00	Each		
2.6	Providing & fixing 16 S.W.G.M.S.sheet adaptor box, and also base frame for installation of M.C.B.D.B.s plug &socket arrangement and to cover cables in system room including painting etc. complete	1.00	sq.mtr.		
2.7	Providing & fixing suitable size of angle iron frame suitable for installation on wall/floor including grouting of frame &painting etc. complete as reqd. comprising of the following:				
i	1 No.4 pole 160 amp capacity changeover switch	1.00	Job		
	TOTAL SUB -HEAD 2				
3	SUB-HEAD 3 (EARTHING)				
3.1	Supply &fix copper plate earth station with 600x6000x3mm thick copper plate including Sign Board and all other accessories such as watering pipe & funnel and providing masonry enclosure at top with cover plate i/c excavation of pit supplying & filling of salt charcoal, refilling of pit etc complete as reqd as per IS 3043-1987. The voltage between neutral & earth must be below 1 volt.	1.00	Set		

3.2 Supply & fix of L. plate cards station with 600x60x60x60x60x the card part of the complete as reach as watering page & fitting of charcoal, exciting of pic to ecospice as reach as watering page & fitting of charcoal, extiling of pic to ecospice as reach as per is 30.51×20x for the neutral architecture of the point of neutral link beside the fise connection and second for the body earthing commeted to mother pants body until the ups hose panels of the corting of the complete as reach as the state of the corting of the corting of the the first of the first of the corting of the corting of state of the first of the corting of the the first of the corting of the corting of the the first of the first of the corting of the corting of the first of the first of the corting of the first of the first of the corting of the first of the first of the corting of the corting of the first of the first of the corting of the corting of the first of the first of the corting of the corting of the first of the first of the corting of the cort	S. No.	Item	Quantity	Units	Rate	Amount
centrbing cost shall not be paid for all the Earthings. You are also required to provide picture of earthing taken at the time of execution of the sums analomywith earthing Value. 3. Supplying and laying 20 mm X 3 mm copper strip at 0.50 meter below ground as strip earth electrode, including commercion of reminating with rut, bolt, spring, washer etc. as control earth electrode, including commercion of 20 mm X 3 mm Gl strip with earth station below ground level and on wall saddle etc complete as reqd. 3. Supplying, fixing & termination of 20 mm X 3 mm Gl strip with earth station below ground level and on wall saddle etc complete as reqd. 3. Providing & fixing 4 mm Dia Cu earth wire on surface or in recess for loop earthing etc. as reqd. 3. Providing & fixing 6 S.W.G.G.I. earth wire on surface or in recess for loopearthing etc. as read walls from earth electrode to UPS room fix computer dedicated earthing, for data cabling, electrodic subling on the damages of the	3.2	Board and all other accessories such as watering pipe & funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying & filling of charcoal, refilling of pit etc complete as reqd as per IS 3043-1987 (for the neutral earthing from the point of neutral link beside the fuse connection and second for the body earthing	2.00	Set		
carth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required and a wall saddle etc complete as required. 3.4 Supplying, fixing & termination of 20 mm X 3 mm GH strip with earth station below ground level and or wall saddle etc complete as required. 3.5 Providing & fixing 6 R mm Dia Cu earth wire on surface or in recess for loop earthing etc. as required. 3.6 Providing & fixing 6 S.W.G G.I. earth wire on surface or in recess for loop earthing etc. as required. 3.7 Supply & laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer deficiented earthing, for data cabling, electrical chiling etc. including providing 1 no. G.I. pull wire for data cabling making good the damages etc. wherever required. 3. Supply & laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer deficiented earthing, for data cabling, electrical chiling providing 1 no. G.I. pull wire for data cabling making good the damages etc. wherever required a commission of providing and fixing providing and fixing I/O plates and SMB complete with all networking accessories etc complete as required. 4. Supply, installation, testing and commissioning of 24-port Patch Panel 4. Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors etc. ecomplete as required. 4. Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors or as required earth of the providing and fixing modular type telephone sucket oaltet and making necessary connections etc. complete as required. 4. Supply, fixing and commissioning of 24 pair tag block for telephone points, (box and strips from accessories such as bends, junction boxes etc. with saturable size of Cd.1 box modular type telephone sucket oaltet and making necessary connections etc. complete as required. 4. Supply, fixing and commissioning of 20 pair tag block for telephone unarmored cable		earthing cost shall not be paid for all the Earthings. You are also required to provide picture of earthing taken at the time of execution of the same alongwith earthing				
ground level and on wall saddle etc complete as reqd. 5. Providing & fixing 4 mm Dia Cu earth wire on surface or in recess for loop earthing etc. as reqd. 6.00 Mtr 7. Supply & laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrical to UPF room for computer deflectated earthing, for data calbling, electrical cabling etc. including providing 1 no. G.I. pull wire for data cabling making good the demages etc. wherever reqd. 7. Supply & laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrical to UPF room for computer deflectated earthing, for data cabling, electrical cabling etc. including providing 1 no. G.I. pull wire for data cabling making good the demages etc. wherever reqd. 7. Supply in the Computer networking starting from mounting rick with UTP CAT-6 cable in 2 mm thick Sum dia List mark PVC conduit with accessories such as bends, junction boxes including providing and fixing 1/0 plates and SMB complete with all networking accessories etc complete as reqd. 7. Supply, installation, testing and commissioning of 24-port Patch Panel 7. Supply, installation, testing and commissioning of patch cable Cat-6 complete with 2 no. connectors etc. complete as reqd. 8. Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors etc. complete as reqd. 8. Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors or as required etc. complete as reqd including upve 19mm dia, pipe conduit of heavy duty. 8. Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia 1SI marked PVC conduit complete with accessories such as bends, junction boxes etc. whist suitable suce of CLI box modular pipe tockprime seeks are bends, junction boxes etc. whist suitable suce of CLI box modular pipe tockprime seeks are bends in junction boxes etc. whist suitable suce of CLI box modular pipe tockprime seeks are had been decem	3.3	earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required	3.00	Mtr		
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regd. 3.7 Supply & Iaying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing, for data cabling electrical cabling etc. including providing I no. G.I. pull wire for data cabling electrical cabling etc. including providing I no. G.I. pull wire for data cabling making good the damages (etc. herevor reqd. 3. Sub HEAD 4 (NETWORKING & TELEPHONE) 4.1 Wiring for computer networking starting from mounting rack with UTP CAT-6 cable in 2 mm thick 25mm da IS flamst PVC conduit with accessories such as bends, junction boxes including providing and fixing I/O plates and SMB complete with all networking accessories etc complete as reqd. 4.2 Supply, installation, testing and commissioning of 24-port Patch Panel 4.3 Supply installation, testing and commissioning of mounted rack 9U height made of provder coated MS sheet and all the required accessories. 4.4 Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors etc. complete as reqd. 4.5 Supply, fixing and commissioning of cable Cat-6 complete with 2 no. connectors etc. complete as reqd. 4.6 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia 151 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 moultair type telephone socket outlet and making necessary connections etc. complete as reqd. 4.7 Supply, fixing and commissioning of 20 pair tag block for telephone points, (box and strips Krone make) 4.8 Supply, installation, testing and commissioning of 20 pair telephone unarmored cable as required. (Make-Finolex/Delton/Polycab) 7 TOTAL SUB-HEAD 4 5.1 Supplying & Laying of following COPPER REFRIGIRANT PIPING Thickness 22 SWG For Hwall Spit AC complete with fittings Succion of Discharge line insulated with 12 mm SUPPER/LOW / ARMAPLEX	3.5		20.00	Mtr		
walls from earth electrode to UPS room for computer dedicated earthing, for data cabling, electrical cabling etc. including providing 1 no. G.I. pull wire for data cabling making good the damages etc. wherever reqd. 50,000 Mtr TOTAL SUB-HEAD 3 4. SUB HEAD 4 (NETWORKING & TELEPHONE) 4.1 Wiring for compute networking starting from mounting rack with UTP CAT-6 cable in 2 mm thick 25mm dia ISI mark PVC conduit with accessories such as bends, junction boxes including providing and fixing I/O plates and SMB complete with all networking accessories etc complete as reqd. 4.2 Supply, installation, testing and commissioning of 24-port Patch Panel 4.3 Supply installation, testing and commissioning of mounted rack 9U height made of provider coated MS sheet and all the required accessories. 4.4 Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors etc. complete as reqd. 4.5 Im long 1 ml long 2 mlong 3 mlong 4.6 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit or hospitup with accessories such as bends, junction boxes etc. with studbe stze of G.I. box modular pyte telephone socket outlet and making necessary connections etc. complete as reqd. 4.7 Supply, fixing and commissioning of 20 pair tag block for telephone points, (box and strips Krone make) 4.8 supply, installation, testing and commissioning of 20 pair tage block for telephone points, (box and strips Krone make) 5.1 Supplying & Laying of following COPPER REFRIGIERANT PIPING Thickness 22 SWG For Hiwall Split AC complete with fittings Suction / Discharge line insulated with 12 mm SUPERLOW / ARMARIEL Sustain line. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement. (Make Total Line/Armacell)	3.6		20.00	Mtr		
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iii Supply, fixing and commissioning of cable Cat-6 complete with 2 no. connectors or as required etc. complete as reqd including upvc 19mm dia. pipe conduit of heavy duty. 4.6 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned 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. 4.7 Supply, fixing and commissioning of 20 pair tag block for telephone points. (box and strips Krone make) 4.8 supply, installation, testing and commissioning of 20 pair telephone unarmored cable as required. (Make-Finolex/Delton/Polycab) 4.8 TOTAL SUB -HEAD 4 5 AIR CONDITIONING WORK FOR SPLIT AC's 5.1 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)	i	* *	23.00	No		
required etc. complete as reqd including upvc 19mm dia. pipe conduit of heavy duty. 4.6 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned 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. 4.7 Supply, fixing and commissioning of 20 pair tag block for telephone points. (box and strips Krone make) 4.8 supply, installation, testing and commissioning of 20 pair telephone unarmored cable as required. (Make-Finolex/Delton/Polycab) 4.8 TOTAL SUB -HEAD 4 5 AIR CONDITIONING WORK FOR SPLIT AC's 5.1 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)	ii	2m long	10.00	No		
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. 4.7 Supply, fixing and commissioning of 20 pair tag block for telephone points. (box and strips Krone make) 4.8 supply, installation, testing and commissioning of 20 pair telephone unarmored cable as required. (Make-Finolex/Delton/Polycab) TOTAL SUB -HEAD 4 5 AIR CONDITIONING WORK FOR SPLIT AC's 5.1 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)	iii	11 1	20.00	Mtr		
Krone make) 4.8 supply, installation, testing and commissioning of 20 pair telephone unarmored cable as required. (Make-Finolex/Delton/Polycab) TOTAL SUB -HEAD 4 5 AIR CONDITIONING WORK FOR SPLIT AC's 5.1 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)	4.6	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	8.00	No		
required. (Make-Finolex/Delton/Polycab) TOTAL SUB -HEAD 4 5 AIR CONDITIONING WORK FOR SPLIT AC's 5.1 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)	4.7		1.00	No		
5.1 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)	4.8		30.00	Mtr		
5.1 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)		TOTAL SUB -HEAD 4				
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)	<u>5</u>	AIR CONDITIONING WORK FOR SPLIT AC'S				
a) 1/4" + 1/2" Refrigerant piping - For Hiwall Split AC's 90.00 mtr.	5.1	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/				
	a)	1/4" + 1/2" Refrigerant piping - For Hiwall Split AC's	90.00	mtr.		

. No.	Item	Quantity	Units	Rate	Amount
5.2	Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point 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)	30.00	mtr		
5.3	Supplying & laying of Electrical flexible cable of 3x2.5sq.mm multi strand suitable for 2.0 Tr H.W Split , 1.5 Tr H.W Split & 1.00 Tr H.W Split unit between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement. (Make: Havells/RR Kable/ KEI/ Finolex)	105.00	mtr		
	TOTAL SUB -HEAD 5				
6	SUB HEAD 6 (FANS & FIXTURES)				
6.1	Supply, Instalation, testing & comminssioning of 36 watt. LED fitting Crompton greaves (or equivalent) LCTLRN-36-FO-CDL complete as required	11.00	No		
6.2	Supply, Installation, testing & comminssioning of 15 watt. LED fitting Crompton greaves (or equivalent) LSDRMN-15 W-CDL complete as required	25.00	No		
6.3	Supply, Instalation, testing & comminssioning of 450 mm sweep wall fan Metallic study construction complete as reqd. (M/s Crompton SDX Black Gold or equivalent of Khaitan/Bajaj/ Orient)	11.00	No		
5.4	Supply, Instalation, testing & comminssioning of following Batten type LED fitting 18 watt LCTL-18-CDL OF CROMPTON OR EQUIVALENT OF PHILIPS/WIPRO complete as reqd.	20.00	No		
6.5	Supply, Instalation, testing & comminssioning of 48" sweep ceiling fans complete with regulator, hanging shackle & suitable down rod as per site conditioning complete as reqd. (MIs Crompton high breeze or equivalent of USHA/Bajaj)	4.00	No		
6.6	Supply, Instalation, testing & comminssioning of 250 mm (sweep) exhaust fans Metal Body complete with self opening louvers/shutters etc. complete as reqd. (USHA / Bajaj)	1.00	No		
5.7	Supply, Installation & testing of inline 150 mm exhaust fans with circular Grill including 6" dia PVC pipe for Exhaust (App. Length 10'0" each Fan) complete as instructions of Architect/ Enginree-incharge (M/s Usha, Bajaj, Havells, Orient)	5.00	No		
6.7	Supply, Instalation, testing & comminssioning of LED Strip light (4.5/5 watt) for cove (M/s Phillips /Wipro / Bajaj Complete in all respects with suitable drivers	25.00	Mtr		
	TOTAL SUB -HEAD 7				
	TOTAL SUB-HEAD-1				
	TOTAL SUB-HEAD-2				
	TOTAL SUB-HEAD-3				
	TOTAL SUB-HEAD-4				
	TOTAL SUB-HEAD-5				
	TOTAL SUB-HEAD-6				
	GRAND TOTAL FOR SUB HEAD 1 TO 7				
	DISCOUNT IS ANY				
	NET AMOUNT AFTER DISCOUNT				