PRICE BID & SPECIFICATIONS OF PROPOSED ELECTRICAL & AIR -CONDITIONING WORK'S FOR GUEST HOUSE ROOMS (8 NOS), DINING & WAITING AREA AT GROUND & FIRST FLOOR ZONAL OFFICE GWALIOR.

	GWALIOR.				
S.No	Description of items	Qty	Unit	Rate	Amount
1	ELECTRICAL WIRING				
	Providing, fixing, testing and commissioning of POINT WIRING of any length for light point/Wall fan point/Exhaust fan point/ Call bell point/ including call bell/ including fan box(if required), 'S' type fan hook etc with 3 X 1.5 Sq.mm(P/N/E) PVC 650V/1100V Grade FRLS WIRE insulated copper conductor single core multi strended wire in 16 SWG(Medium Gauge) stove				
	enamelled rigid steel conduit 20mm/25mm with conduit accessories like bend, junction box etc in concealed/surface manner as per site requirment with suitable Modular Switches/Sockets with plate and				
	Metal/PVC box,Scaddle, angle bracket (if required), 3 plate ceiling rose/bulb holder atc. The floor/roof/wall. The above wiring carried out surface or recess in wall/floor/roof should be cutting by cutter/chiesling,				
	replastering, curing, painting with uniform and smooth finish by specilised workman ship and making the surface neat afterwards complete in all respect as per				
	direction of Bank Engg. (EACH Circuit to take NOT MORE than 7-8 points) The conduit/ Flexible conduit/junction box/metal modular box etc must be				
	joined by gland and check nut at both ends. (each circuit to be controlled by one MCB). The colour code of wire				
	are as under:				
	Phase- Red, Neutral- Black, Earth-Green				
	Make of Material for items of BOQ:- (i) Modular Type Switch/socket/step electronic fan				
	regulator, plate, box, TV/telephone, bulb holder/3 pin ceiling rose with all accessories:- Lergand/				
а	Anchor(Roma)/MK/ Crabtree One light points controlled by one 6 amp. Modular switch.	150	Nos.		
b	Two light points controlled by one 6 amp. Modular switch.	30	Nos		
С	Providing and fixing of ceiling fan point controlled as under (i) one 6 amp switch (ii) one no stepped electronic regulator of two module				
	type.	18	Nos.		
d	providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard	40	Nos		
2	6 AMP. POINTS ON SEPARATE BOARD: Supply, fixing, testing and commissioning of 1 No 6 A Multi Socket with 1No. 6 A switch (Modular type) with cover plate, sheet steel box / PVC modular box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. (Minimum two and Maximum three points are loop with	-			
	one circuit as mentioned beolw)	26	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
3	Power Wring (6 / 16 AMP. POWER POINTS). Supply, fixing, testing and commissioning of 1 No 16 A switch & 1 No.six pin 6/16 Amp. Multi Socket (Modular Type) with cover plate, sheet steel box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. (Maximum two points are loop with one circuit as mentioned below)	30	Nos		
4	SPECIAL POINTS: (For Computers). Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, PVC modular box on Surface / sheet steel box in concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. 2 Nos. 6 A Switch + 3 Nos. 6 A, 3 pin Socket (Minimum two and Maximum three points are loop with one circuit as mentioned beolw)	20	Nos		
5	BED SIDE POINTS . Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, PVC modular box on Surface / sheet steel box in concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. 2 Nos. 6 A Switch + 2 Nos. 6 A, 3 pin Socket (Minimum two and Maximum three points are loop with one circuit as mentioned beolw)	20	Nos		
6	MASTER SWITCH POINTS(NEAR THE DOOR OUTSIDE)- Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, PVC modular box on Surface / sheet steel box in concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. 3 NOS DP SWITCH OF 32 AMP WITH INDICATOR, 1 NOS SWITCH OF 16 AMP WITH INDICATOR, 1 BELL	8	Nos		
7	AC (Single Phase). Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings: Metal Plug and Socket DBs with one Nos 20 Amp SP MCB, 20 Amp plug and socket with complete Enclosur plate and box 1 set i/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as required as	12	Nos		
8	CIRCUIT WIRING:(FRLS WIRE) Supply, installation, testing & commissioning of FRLS circuit wiring measured in numbers with suitable size of MS conduit 1.6 mm thick and 25mm dia. The wiring in MS conduit is as per IS code. The average length of wiring around between(25-30) Mtr.	·	-		

S.No	Description of items	Qty	Unit	Rate	Amount
8A	3 X 2.5 sqmm (For UPS Circuit/6 amp Separate Board	Α-,			
) in suitable size of 16 SWG (MMS) steel conduit as per				
	IS code.	20	Nos		
8B	3 X 4.0 sqmm (For AC/Power Circuit) in suitable size of				
	16 SWG (MMS) steel conduit as per IS code.(2 Ckt per				
	room- 1 for AC and 1 for Geyer/Power/5 amp)	28	Nos		
9	OTHER FRLS WIRING, As Per Requirment.				
(a)	3 X 1.5 Sqmm copper multistreand FRLS wire in suitable				
	size of 16 SWG (MMS) steel conduit.	60	R.Mtr		
(b)	3 X 2.5 Sqmm copper multistreand FRLS wire in suitable				
	size of 16 SWG (MMS) steel conduit.	80	R.Mtr		
(.c)	6 X 2.5 Sqmm copper multistreand FRLS wire in suitable				
	size of 16 SWG (MMS) steel conduit.	120	R.Mtr		
(d)	3 X 4 Sqmm copper multistreand FRLS wire in suitable	00	D 144		
1 - 1	size of 16 SWG (MMS) steel conduit.	60	R.Mtr		
(.e)	6 X 4 Sqmm copper multistreand FRLS wire in suitable	465	5		
/6	size of 16 SWG (MMS) steel conduit.	120	R.Mtr		
(f)	3 X 6 Sqmm copper multistreand FRLS wire in suitable	20	D //+		
/m\	size of 16 SWG (MMS) steel conduit.(UPS) 1X 1.5 Sqmm copper multistreand FRLS wire in suitable	20	R.Mtr		
(g)	size of 16 SWG (MMS) steel conduit.	300	R.Mtr		
	Size of 10 OVVO (WIWO) steel conduit.	300	1 X.IVIU		
9	MAIN PANEL AND METER BOARD				
	Designing, fabrication, supply, installation, testing and				
	commissionings of front operated cubicle type				
	compartmentalised, front access, free standing on				
	75MM "[" MS channel, dust and vermin proof (IP 42				
	degree protection) panel suitable for use at 415V, 3				
	phase, 4-wire 50Hz system suitable for fault level of				
	required value symmetrical at 415V fabricated from				
	All live accessible parts shall be shrouded and all				
	equipment shall be finger touch proof. The busbars				
	insulation shall be withheat shrinkable sleeves SMC/				
	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All kA values indicated shall be Ics breaking capacity				
	GA drawings shall be got approved by SBI				
а	Fabrication, supply, installation, testing and				
	commissionings of cubicle type floor/wall mounted L.T.				
	panel made out of 2 mm thick CRCA sheet including				
	Incoming :-				
	Meter board shall be lockable.				
	Complete panel described as above.				
b.	Floor panel shall consists of : -				
	(i) 1 No. FP 250 amp , 25 KA MCCB with thermal				
	magnetic trip unit WTH Digital, Energymeter, Voltmeter				
	& Digital Ammeter, RYB indicators sutiable size of CTS, selector switches, MS Stand etc. & connected with				
	outgoing copper bus bar of 400 amp with 3 nos 100 amp				
	TP MCCB, 2 Nos 63 amp TP MCCB, 2 nos 32 amp TP				
	MCB & 2 Nos 63 amp DP MCB. Connected with Main				
	Raw Power				
	I WIT I OTTO				I

S.No	Description of items	Qty	Unit	Rate	Amount
	(II) 1 No. FP 200 amp , 25 KA MCCB with thermal magnetic trip unit WTH Digital, Energymeter, Voltmeter & Digital Ammeter, RYB indicators, sutiable size of CTS, selector switches etc. & connected with outgoing copper bus bar of 200 amp with 100 amp -1 Nos TP MCCB, 3 nos 63 amp TP MCCB & 2 Nos 63 amp DP MCB and 200 amp Online Changeover Connected with DG supply & Main Supply				
	11.7				
	(Note:- Before Placing the Panel order, firstly it Passed by The Bank Authority, otherwise it will not considered)				
	INCOMER				
(i)	The electrical panel as described above and specifications complete.	Set	1.00		
ii)	Providing & fixing 6 way vertical load line double door D.B for AC/Power with 100 Amp. TP MCCB (16kA) incomer and outgoing to be 18 Nos 32 amp SP MCB for ground and first floor	2	Nos		
iii	Providing and fixing 8 way TPN double door DB for LIGHT POINTS & 5 amp switch socket with 63 Amp TPN, controlling 24 Nos. 16/32 Amps SPMCBs. &	2	Nos		
iv	Providing and fixing (12) way SPDB double door type For UPS/ Inverter points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB Providing and fixing (8) way SPDB double door type For	2	Nos.		
V	Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB	2	Nos.		
vi	Providing and fixing of 250 FP MCCB with enclosure alongwith suitable copper bus bar with RYB indicator controlled by MCBs as per site condition.	1	Nos.		
40	CARLES				
10	CABLES Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable				
(i)	4X 10 Sq.mm XLPE.Al.armoured Cable (external LIGHTs /Garden lights)	60	Mtr		
(ii)	4X 25 Sq.mm XLPE.Al.armoured Cable (LIGHT/POWER/AC)	150	Mtr		
(iii)	3.5 X 50 Sqmm XLPE Al. armoured Cable(For Main				
(iv)	Line) 3.5 X 95 Sqmm XLPE Al. armoured Cable(For Main	40	Mtr		
(**)	Power Cable)	200	Mtr		

S.No	Description of items	Qty	Unit	Rate	Amount
11	EARTHING				
(i)	COPPER PLATE EARTH STATION: Preparation of the Plate Earth Station: (As per IS:3043) (a) Excavation of hard rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm X 1000 mm X 2500 mm. (b) Supply and fixing of Copper Plate of Size 600 mm X 600 mm X 3.0 mm thick. (c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc. (d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for watering with reducer/funnel with mesh. (e) Supply and Fixing of the following in the earth station. (i) 75 Kg. Charcoal. (ii) 15 Kg. Original Salt. (iii) Black Cotton soil of adequate amount. (f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I Cover of size 12" X 12" complete as per site requirment.	2	Nos		
(iii)	Providing and fixing Copper/GI strip as per specification compete including connection to earth electrode revetting/sweating/soldering, burying 15 cms below in all types of soil/rocks etc complete as requiued.	15	Mtr.		
(iv)	Supply and laying of 10 Sq.mm 650V/1100 V PVC grade insulated copper wire in 15 mm G.I. Pipe ISI grade including all accessories complete as required.(Dedicated Earthing for UPS output DB only)	20	Mtr.		
(v)	Supply and Installation of 65 mm 'A' Class GI pipe for laying of underground main power cable with all its	50	Mtr		
12	OCCUPANCY SENSORS:- Supply, installation, testing and commissioning of occupancy sensor surface/recess mounted as per site condition complete with all wiring/conduit/Switch etc complete in all respect as per site condition as required Honeywell Make K5015/16, Siemens/Johnson Control OR Equivalent as per Bank's approved.	6	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
13	TELEPHONE POINT				
(i)	Two pair, 0.61 mm dla. telephone cable tinned copper conductor, P.V.C. insulated and sheathed, fire retarding, anti termite, colour coded twisted pairs and rip cord, Double outlet The length of telephone cable upto 35 meter length or less as per site condition with shutter modular type Telephone Outlets (RJ — 11) wth suitable	11	Nos		
(ii)	Supplying and fixing of krone telephone tag block on surface/ recess mounted with its accessories suitable for the multi core telephone cable and shall accommodate tin-plated phosphor bronze connectors, the connectors shall splice unskinned cables up to 0.61 mm dia and	1	Nos		
(iii)	Supply, installation, testing and commissioning of the following size jelly filled armoured tehephone cable. 20 pair	20	Mtr		
	20 pail	20	IVIU		
14 a	Providing, fixing, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length upto 30 meter length or less as per site conditionin suitable size 20/25 mm dia, 16 SWG wall thickness rigid PVC conduit with conduit accessories like bend/junction box/ fan box etc on surface/recessed manner and making good all the damages, painting, cleaning the site etc complete as required as per site condition and as directed as required. Junction box shuld be covered with Stainless steel plate with screw with gasket for protection of water/dust. Providing, fixing, testing and commissioning of modular type Information Outlets with suitable size of MS/PVC modular boxes complete, all accessories with insulation displacement connectors etc suitable for CAT 6 UTP cabling with RJ-45 socket with testing and commissioning of STP cabling with scanner for all the nodes/switches/jack panel complete (Each point/circuit/cable from both load and source end to be marked with ferrules.) Make of Material:- (i) Data Cable, Cat 6 cable, Switch, Jack panel, Rack, Patch cords & Other accessories:- D-Link, Legrand	10	Nos		
b	Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make)	1	Nos		
f)	Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as	1	Nos		
g	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complte with connector on both side.)				
i)	for 1 Mt. long	10	Nos.		
h	for 2 Mt. long Providing, fixing,testing and commissioning of four pair CAT 6 LAN cable in suitable size of 20/25mm PVC medium gauge 16SWG conduit including all accessories to interconnect the switches from different location.	100	Nos Mtr		

S.No	Description of items	Qty	Unit	Rate	Amount
15	TV POINT:-Supply, installation, testing and commissioning of TV point(Modular) with RG-6 cable in the Medimum Gauge 1.6 mm PVC Conduit with all accessories complete in all respectcables length upto 30 meter length or less as per site conditionin suitable size 20/25 mm dia, 16 SWG wall thickness rigid PVC conduit with conduit accessories like bend/junction box/fan box etc on surface/recessed manner and making good all the damages, painting, cleaning the site etc complete as required as per site condition and as directed as required. Junction box shuld be covered with Stainless steel plate with screw with gasket for protection of water/dust all accessories with insulation displacement connectors etc and put the cable at				
	terrace.	11	Nos		
	Description of light /fan fixture				
16.0	LED DOWNLIGHTER:(RECESS/SURFACE) 15 Watt, recessed mounted Square down lighter, 6" dimension with complete its electronic driver are as under:- PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU WIPRO:- IRIS LED LD 71-121-XXX-50-XX HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW	80.00	Nos		
17.0	LED DOWNLIGHTER:(RECESS/SURFACE) 9 Watt, recessed mounted Square down lighter, 6" dimension with complete its electronic driver are as under:- PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU WIPRO:- IRIS LED LD 71-121-XXX-50-XX HAVELLS:- LHER IND 7P7 1W 015(ENDLIRA LOW)	30.00	Nos		
18	LED COVE/ STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE COLOUR):- Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required.	140	Mtr		
19	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt PHILIPS/WIPRO/HAVELLS/CG	10	Nos		
20	CEILING FAN:(DECORATIVE TYPE AS PER SAMPLE APPROVED BY BANK) Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper wounded and impregnated silicon stamping motors etc 1200 mm sweep, brilliant white CG/USHA/ ORIENT/HAVELLS	15	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
21	EXHAUST FAN:- Single phase, 300mm sweep, 900 rpm, Plastic exhaust				
	fan of the following single phase Exhaust fan continuously rated, capacitor start and run type, totally				
	enclosed and ruggedly built, pre lubricated double ball bearing, copper wounded, A & E class insulation,				
	dynamically balanced, below 40 db sound level etc, front cover with grill/gravity louver for protection purpose with				
	12 mm plywood complete in all respect make as under: CG/USHA/ ORIENT/HAVELLS/ALMONARD/ALSTOM				
		12	Nos		
22	ELECTRIC GEYSER SUPPLY AND INSTALLATION OF 15 LTR, 5 STAR, STORAGE ELECTRIC GEYSER	9	Nos		
22	Mirror LED light 5 Watt- (Decorative Light as per Sample approved by Bank) PHILIPS/WIPRO/HAVELLS/CG	18	Noo		
	PHILIPS/WIPRO/HAVELLS/CG	10	Nos		
23	Wall Light				
	Providing and fixing High Lamp light LED complete PHILIPS, WIPRO, HAVELLS, CG, BAJAJ	20	NOS		
24	Study LAMP				
	Providing and fixing Study Lamp LED complete PHILIPS, WIPRO, HAVELLS, CG, BAJAJ	10	NOS		
25	Spot Light (3 Watt)				
	Providing and fixing Spot Light LED complete PHILIPS, WIPRO, HAVELLS, CG, BAJAJ	24	NOS		
26	Foot Light/ Step lights				
-	Providing and fixing Foot Light LED complete PHILIPS, WIPRO, HAVELLS, CG, BAJAJ	10	NOS		
29	wall Washers	16	NOS		
	Providing and fixing Wall washers external lights LED complete with four side lens including fixing at different levels etc complete PHILIPS, WIPRO, HAVELLS, CG, BAJAJ				
30	Bollards	10	NOS		
	Providing and fixing at site bollards Lamps including fixing at site of approved make & shape etc complete PHILIPS, WIPRO, HAVELLS, CG, BAJAJ	10	1100		
33	Chandlier	2	NOS		
	Providing and fixing at site approved make chandlier with basci price of Rs 15000/- to be fixed at site after making necessary provision of ceiling hook including necessary wiring, wherever necessary, including all		.,,,,,		
	materials, contigencies etc complete.				
34	Bulk head Lights	10	NOS		

S.No	Description of items	Qty	Unit	Rate	Amount
	Providing and fixing at site approved make and shape Bulk head external light fittings with LED lamp etc complete PHILIPS, WIPRO, HAVELLS, CG, BAJAJ				
35	BUY BACK OF OLD LIGHT/FAN/ WIRING ETC (-)	-1	Job		
	(A) TOTAL FOR ELECTRICAL WORKS				

Supply, installation, testing and commissioning of following AIR CONDIRIONERS as under. The Rate shall be inclusive of all taxes excluding GST. GST will be paid additionally by the Bank as applicable subject to GST supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 2.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, including carpentry work, minor civil work and material including capper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coatad—Indoor unit should be and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coatad—Indoor unit should be and EPT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, including capper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no lose piping/cabling is allowed. The out door unit should have LED display. The rates inclusive of all repairs of c	S.No	Description of items	Qty	Unit	Rate	Amount
following AIR CONDIRIONERS as under. The Rate shall be inclusive of all taxes excluding GST. GST will be paid additionally by the Bank as applicable subject to GST. Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 2.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, and bacteria filtering, including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated Indoor unit should be anti-rust powder coated Indoor unit should be anti-rust powder coated Indoor unit should have IED disnlay. The rates. 2 Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, including cappenty work, minor civil work and material including cappenty work minor civil work and material includin	(B)	AIR-CONDITIONING WORKS				
INVERTER RATING OF BEE AIR CONDITIONERS 2.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, including capper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm , cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and lectrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should be anti-rust powder coated. Indoor unit should have 1 ED disnlaw. The rates allowed. The out door unit should be anti-rust powder coated. Indoor unit should be anti-rust powder coated. Indoor unit should have 1 ED disnlaw. The rates Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm , cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should have LED display. The rates inclusive of all repairs of civil and carpentry work The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plasterin	1	following AIR CONDIRIONERS as under. The Rate shall be inclusive of all taxes excluding GST. GST will be paid additionally by the Bank as applicable subject to GST Supply, installation, testing and commissioning of				
including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates 2 Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of civil and carpentry work The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of ACS:- Daikin/Hitachi/Bluestar/Carrier/ O-General only		INVERTER RATING OF BEE AIR CONDITIONERS 2.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering,				
Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of civil and carpentry work The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of ACs:- Daikin/Hitachi/Bluestar/Carrier/ O-General only		including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder	8	Nos		
Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of civil and carpentry work The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of ACs:- Daikin/Hitachi/Bluestar/Carrier/ O-General only		coated Indoor unit should have LED display. The rates	0	1105		
drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of civil and carpentry work The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of ACs:- Daikin/Hitachi/Bluestar/Carrier/ O-General only	2	Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm				
2 Nos		drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of civil and carpentry work The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of ACs:- Daikin/Hitachi/Bluestar/Carrier/ O-				
			2	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
3	Supply and installation of soft & prime quality of min. 22 G Copper pipe for "Split AC only" with class "o" Nitrile insulation of minimum 12mm for split air conditioner including interconnection power/ communication cable between indoor and outdoor unit as per site requirement. (If required additionally, payment will made as per actual installtion. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of Insulation:-Superlon/Aflex/Armacell/Kflex Make of cable:-Finolex/RR/Havells	140	Mtr		
4	Drain Pipe (If Required additional) Applicale to both ACs(Cassette & Split AC). Supply and laying of heavy gauge PVC drain piping of 40mm with insulation as per site requirement with its all accessories like bend, solution etc as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. (If required additionally, payment will made as per actual installtion.) Make:- Kasta/supreme	130	Mtr		
5	Providing & fixing of 5 KVA Voltage stabilizer with time delay option including all accessories with installation at site (For 2Tr Split AC & 2Tr Cassette AC) Make:-Microtek, V-Gards (Voltage Range 150- 280 Volts)	8	Nos		
6	Providing & fixing of 4 KVA Voltage stabilizer with time delay option including all accessories with installation at site (For 1/1.5Tr Split AC & 1.5Tr Cassette AC) Make:-Microtek, V-Gards (Voltage Range 150- 280 Volts)	2	Nos		
7	Digital Timmer to control outdoor lights with enclosure and all accessories.	1	Nos		
8	Removing, shifting, re-fixing of existing split ac, including gas topping up wherever necessary all contingencies etc complete.	2.00	Nos		
9	BUY BACK OF OLD AC, COPPER PIPE, CABLES	-1.00	Lot		
	TOTAL:- (.B) AIR CONDITIONING WORK				
	TOTAL ELECTRICAL (A)				
	TOTAL AIR-CONDITIONING (B)				
	GRAND TOTAL (A + B)				
	GST to be paid additionally				