	T SHEET ELECTRICAL & AIR- CONDITION RIA ROAD MAIN BRANCH UJJAIN	NING WORK'S AT
S.NO	ITEM	AMOUNT In RS.
1	TOTAL FOR ELECTRICAL WORK'S	
2	TOTAL FOR AIR-CONDITIONING WORK	
	GRAND TOTAL	

TEN	DER & SPECIFICATIONS FOR PROPOSED ELECTRICA	L WORK	S AT BUD	HWARIA R	OAD MAIN
	BRANCH UJJAIN				
S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc (whereever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi- stranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and flling the chase with cement mortar and finishing the same in priginal form/ weoden partition/ above false ceiling with				
	original form/ wooden partition/ above false ceiling with (Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	One light points controlled by one 6 amp. Modular switch.	Nos.	105.00		
ii	Two light points controlled by one 6 amp. Modular switch.	Nos.	15.00		
iii	Three light points controlled by one 6 amp. Modular	Nos.	5.00		
iv	Driectall bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call	Nos.	2.00		
V	One wall fan/ ceiling/ exhaust fan point with 6 amp 3-pin socket controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	5.00		
vi	Celing fan point with one nos 6 amp switch and 2 module electronic regulator including wiring & ceiling rose	Nos	33.00		
vii	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc.				
a	same board	Nos.	32.00		
viii	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).				
a	Primary Point	Nos.	20.00		
b	Secondary Point looped	Nos.	10.00		
	1		1		1

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
2	POWER POINTS				
	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1st socket and 1st to 2nd, socket with 2*2.5 sq.mm. and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 —pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit.				
a)	Primary Point	Nos.	25.00		
b)	Secondary Point	Nos.	10.00		
	,				
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	8.00		
B.	Same as serial no.1, but wiring for A/C socket by using 4*6 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*6.0 sq.mm. PVC insulated 1100 V grade copper conductor wire of weather proof type 4 way SPN DB complete in all respects controlled by with 40 Amp TPN (10 KA) MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit (includes wires for terminal connection of outdoor unit from TPN)	Nos.	6.00		
4	COMPUTER POINTS				
а	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular swtich with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets under the counter b) Same as above but looped from the above 1st point to 2nd, point and 2nd point to 3rd point. (Maximum 3 points Primary Points	Nos. Nos.	22.00 8.00		
	Securidary Fullis	INUS.	0.00		

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
B.	CONDUITING FOR TELEPHONE, COMPUTER &				
	CONDUITING, WIRING FOR T.V. SYSTEM.				
1.0	TELEBLIONE OVOTEM				
1.0	TELEPHONE SYSTEM Wiring for VOICE from Jack Panel in data rack to	Nos.	28.00		
1.1	computer workstation with Cat-6 voice cable in PVC	1105.	20.00		
	conduits of size 20/ 25 mm including providing ferrules at				
	both ends and termination at both ends including				
	providing & fixing frame for Cat-6 with shutter, RJ 45				
	outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6				
	cable in PVC conduits throughout the lenght, from the I/O				
1.2	Supplying, laying, effecting terminations, testing and				
	commissioning of 0.51 mm dia Cu. Conductor, twisted,				
	colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit including				
	providing &fixing conduit pipe or cable tray as required				
	from building tag block to the floor as required.				
a)	Supplying & fixing 50 pair krone tag block with enclosure.	Nos.	1.00		
b)	P/L 10 Pair of PVC insulated PVC sheathed multi core	Mtrs.	20.00		
	jelly filled armored telephone.				
2	COMPUTER NETWORKING				
2.1	Wiring for computer networking from Jack Panel in data	Nos.	55.00		
	rack to computer workstation with Cat-6 computer cable				
	in PVC conduits of size 20/ 25 mm including providing				
	ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter,				
	RJ 45 outlet, faceplate and mounting box complete of				
	modular type, This work includes supply and laying of				
0.0	CAT-6 cable in PVC conduits throughout the length, from	Noo	2.00		
2.2	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1	Nos.	3.00		
	lock & key).				
2.3 a	Supply, Installation, Testing & Commissioning of 24 port	Nos.	2.00		
0.0.1-	Jack Panel.	NI	4.00		
2.3 D	Supply, Installation, Testing & Commissioning of 16port Jack Panel.	Nos.	1.00		
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS	Nos.	55.00		
	Mounting Cord)				
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	55.00		
3.0	Supply and fixing of 1.6 mm thick G.I. Box along with RG 6 T.V Co axial socket with Cover Plate.	Nos.	1.00		
4.0	Supply, drawing, connecting, testing and commissioning	RM	15.00		
	of T.V Coaxial cable RG 6 in existing conduit.				
C.	CABLES, MAINS & SUBMAINS				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in				
	MS conduit with all fixing accessories after cutting the				
	floor, wall and the like etc. and replastering the floor level				
<u> </u>	to original. Conduit must be 30 mm below the floor finish	D14	00.00		
i ii	1 X 10 sq mm Cu wire for earthing.	RM	30.00		
iii	2 X 6 sq.mm. + 1 X 6 sq.mm. 4 X 6 sq.mm. + 2 X 6 sq.mm.	RM RM	5.00 5.00		
	7 A O 34.11111. 7 2 A O 34.11111.	I 1IVI	5.00		

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
iv	Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from main board to UPS Room	RM	45.00		
	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (Light DB).	RM	15.00		
	Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (Power DB,AC DB & Server Room DB).	RM	10.00		
vii	Supplying, laying, testing & commissioning of 4 C x 95 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (Mains).	RM	25.00		
D.	DISTRIBUTION BOARD				
	Supplying, installing, testing & commissiong of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper busbars, earthbar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire boxl, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.  Each DB shall have separate neutral links of rating not				
	less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
0.110.	UPS DB's shall have a dedicated Earthing link fixed on	Oitii	Q.I.I	11.71=	AMOON
	insulated supports, which will be in addition to body earth				
	link.				
	All internal inter connecting wiring with in the DB's shall				
	be PVC insulated flexible copper conductor wires of				
	adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				
a	6-way TPN DB (LIGHT DB)	No.	2.00		
	Incomer:-				
	1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB				
	(100 MA) each phase				
	Outgoing:-				
	16 Nos.6/10/25 Amp (10 KA) SP MCB				
	A TRN DD / DOWED DD)	NIa	0.00		
В.	4-way TPN DB ( POWER DB)	No.	2.00		
	Incomer:- 1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB				
	(100 MA) each phase				
	Outgoing:-				
	8-10 Nos.6/10/25 Amp (10 KA) SP MCB				
C.	4-way V-TPN DB (AC)	No.	2.00		
	Incomer:-				
	1 No. 80 Amp 4 Pole (16 KA) MCCB				
	Outgoing:-				
	3 No. 40 Amp (16 KA) TP MCB				
	4 Nos.10/16/25/32 Amp (10 KA) SP MCB				
D.	4-way TPN DB UPS ROOM	No.	1.00		
	Incomer:-	140.	1.00		
	1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB				
	(100 MA) each phase				
	Outgoing:-				
	10 Nos. 6/10/16/25/32 Amp (10 KA) SP MCB, For Lights,				
	Power & spare, UPS etc				
E	4-way SPN DB with 2 No 40 A (10 KA) DP MCB (For UPS	No.	2.00		
_	Input)	INU.	2.00		
F.	12-way SPN DB (For UPS Sub DB)	No.	1.00		
	Incomer:-				
	1 No. 25 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	Outgoing:-				
	8-10 Nos.6/10/16/25Amp (10 KA) SP MCB				
G.	8-way SPN DB (For ATM DB with lock & key arrangement)	No.			
	Incomer:-				
	1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	Outgoing:-				
	4 Nos.6/10/16/25Amp (10 KA) SP MCB				

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
0	BESSIAI HONGI WOMAS	OIIII	<b>Q.</b>	10412	Amount
Е	(LIGHT FITTINGS & ACCESSORIES)				
i	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixures should be covered with minimum 3 Years onsite replacement warranty).  FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by	Nos.	60.00		
ii	SBI/Architect.  Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by SBI/Architect.	Nos.	55.00		
iii	Supplying, fixing, testing and commissioning of 15 W LED commercial type surface down lighter of make As specified in tender document or approved by	Nos.	5.00		
F.	EARTHING SYSTEM				
1	Supply, Installation, Testing and Commissioning of Maintenace Free Earthing system made up of copperbonded rod of 10 feet length, 23 mm dia. (Minimum copper bonding shall be 0.25mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted	Nos	2.00		
2	Supply, Installation, Testing and Commissioning of Maintenace Free Earthing system made up of copperbonded rod of 10 feet length, 17.2 mm dia. (Minimum copper bonding shall be 0.25 mm) along with Rod-to-Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	2.00		
3	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required.				
i	25 mm x 3 mm copper strip with proper clamps	RM	5.00		
ii	25 mm x 5 mm GI strip	RM	5.00		
iii	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required.	RM	25.00		

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
G.	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 2mm thick CRCA				
	MS sheets with hinged, gaskettted (Metal based				
	neoprene) locable doors having structural reinforcement				
	including 3mm thick gland plates on top and bottom,				
	lifting hooks, GI earth strip of required size with 2 nos				
	earth terminals, 2 nos 230V AC operated 250mm X				
	250mm size axial fans for exhaust of heat with On-Off				
	toggle switches including 2 coated primer and 2 power				
	coated paint fnish of approved shade over metal surface cleaned and treated with seven tank process complete				
	with interconnections etc as per specifications as				
	required.main panel board of approved make (KRYPTON				
	POWER CONTROLS/NEPTUNE/TRICOLITE/AMPTECH				
	Or should be CPRI Approved, Type of Approval as				
	instructed by the SBI/Architect)as per the following				
	specifications should be CPRI Approved. All live accessible parts shall be shrouded and all				
	equipment shall be finger touch proof. The busbars insulation shall be withheat shrinkable sleeves SMC/				
	DMC shrouds and busbar supports shall be used.				
	Padlocking facility shall be provided on all outgoing				
	feeders doors and switch handles shall be locable in				
	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				
	connection,inter-connection alongwith 4 strip aluminium				
	busbar as per CPWD specifications,(Part IV-Sub-station)				
	etc. as required.(Meter Board )				
	Incoming:-				
	i) 1no. 160 Amp 4P MCCB (25 KA) thermal over current,				
	instantaneous, Short circuit realease, Earth fault.				
	ii) Busbar :-200 Amps 4P aluminum conductor bus bar				
	(BPTM type Heat-shrinkable busbar insulation) supported by DMC / FRP insulators.				
	Space shall be provide for the BSES Meter				
	Meter board shall be lockable.				
	Complete panel described as above.				
	Complete pariel described as above.				
b.	Floor panel shall consists of : -				
<b>D.</b>	INCOMER				
	1no. 160 Amp 4P On Load Change over switch with 1				
	No. 125 Amps, TPN MCCB (25 KA) with extendeble rotary				
	handle each thermal over current, instantaneous, Short				
	circuit realease,Earth fault.				
	S. Sart Paradoj Lariti Italia				
	BUSBARS				

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
	200 amps TPN pole busbar chamber of suitable length				
	with copper busbars. All busbars and interconnections				
	shall be of suitable size copper strips.				
	INDICATING PANEL				
	Digital flush type class-1.0 accuracy multifunction meter				
	showing V, A, PF etc. with 3 Nos. current transformers of				
	100/5A ratio, 10 VA Class-1.0 metering 1 sets				
	Red/Green/Amber ON/OFF/TRIP indicating lamps with				
	2A SP MCB backup protection.				
	1 set of three phase indicating lamps along with 2A SP				
	MCB backup protection.				
	Restricted Earth fault relay with 3 Nos. current				
	transformers of 160/5 ratio, 15 VA Class 5P 10 (Numeric				
	Relay not required.)				
	Undervoltage, Overvoltage & phase reversal relay for				
	persisted voltage of 105-180% & 20-95% of rated				
	voltage. (Numeric Relay not required.)				
	OUTGOINGS:-				
	2 Nos 63A TPN MCCB (16 kA) terminals suitable to				
	receive cable on one side and wire connection to Bus				
	bars. For capacitor Bank AND AC VTPN,				
	2 Nos 63A TPN MCB (10 kA) terminals suitable to				
	receive cable on one side and wire connection to Bus				
	bars. (For PDB,UPS)				
	1 Nos 40A TPN MCB (10 kA) terminals suitable to				
	receive cable on one side and wire connection to Bus				
	bars. (For LDB )				
	2 Nos 40A DP MCB (10 kA) terminals suitable to receive				
	cable on one side and wire connection to Bus bars.				
	The electrical panel as described above and	Set	1.00		
	specifications complete.				

TENDER & SPECIFICATIONS FOR PROPOSED ELECTRICAL& AIR-CONDITIONING WORK'S AT BUDHWARIA ROAD BRANCH UJJAIN

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
C.	DISMANTELLING OF EXISTING ELECTRICAL WIRING				
	<u>&amp; SYSTEM</u>				
	Removal and dismentalling of all existing old wiring, switchgears, DBs, changeover, main switch, old casing capping, old wooden casing capping, all type of light/fan fixtures and kept them in good condition with in 200 meter of the premises in any location as per direction of Bank. Payment of whole work should be made after the complete removal and dismentalling of above said old wiring and switchgears and making all wiring/cabling/switchgears arrangements for smooth operation of Banking with taken care of all safety & precaution as per IS code & Indian Electricity Rule & as		1.00		
D.	BUY BACK ITEM				
	LESS FOR Buying back of existing damage AC, Ceiling Fan, Lights, W.Fan etc, including transportation, and cleaning of existing premises etc complete Dismantling of existing witing and throwing away the waste materials, away from the existing site including transporting the same if required		-1		
	TOTAL FOR ELECTRICAL WORKS				

Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc to site. only GST will be paid Extra

#### TENDER & SPECIFICATIONS FOR AIR-CONDITIONING WORKS AT BUDHWARIA ROAD MAIN BRANCH UJJAIN

S. No.	Description	Unit	QTY	RATE	Amount
	AIR CONDITIONERS				
1	Supplying, erection, testing and commissioning following Inverter				
	type Split Air conditioners (Toshiba/ Mitsubhishi/ Hitachi/				
	Daikin/ O-General/ Carrier) with cordless remote complete with all				
	necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (All coils - copper only), fan and fan motor,				
	machine control panel improved Refrigerant Joints, .Air				
	conditioners shall be fitted with hermetically sealed type suction				
	cooled reciprocating or discharge cooled rotary compressor or				
	scroll compressor. Compressor unit operating on R32/ R-410. All				
	complete as per drawing, approval and instructions of the				
	Architect/ SBI (Rates to be inclusive of Copper refrigerant pipe with				
	insulation up to 3 Mtr length and heavy guage PVC drain pipe upto				
	1 metre). Item to include powder coated outdoor stands as per	NI.	4.00		
а	1.5 TR wall mounted split unit (Minimum 5-Star rating inverter type)		4.00		
	including all necessary fittings and mountings as specified by the manufacturer.				
b	2.0 TR wall mounted split unit (Minimum 5-Star rating inverter type)	Nos.	2.00		
	including all necessary fittings and mountings as specified by the		2.00		
	manufacturer.				
С	3.0 TON CASSETTE AC				
	Supply, installation, testing and commissioning of Higher Efficient		5.00		
	models of CASSETTE TYPE AIR CONDITIONERS(Three) 3.0				
	Ton Machines confirming to latest Indian Standards and suitable				
	for operation on 415 Volts + 10 %, three Phase, 50 Hz AC supply				
	with Scroll compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti				
	bacteria filtering, ventilation and with remote control with				
	Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable				
	thermostat. The rate should include installation charges after				
	making appropriate changes in existing false ceiling. Heavy ready				
	made/fabricated M S Stand to house the out door unit as per site				
	conditions including carpentry work, minor civil work and material				
	including copper piping of hard & prime quality of min. 22 G upto 5				
	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 rates inclusive of all repairs of civil				
	and carpentry work The out door unit should be anti-rust powder				
	coated. 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.				

TENDER & SPECIFICATIONS FOR AIR-CONDITIONING WORKS AT BUDHWARIA ROAD MAIN BRANCH UJJAIN

S. No.	Description	Unit	QTY	RATE	Amount
d.	4.0 TON CASSETTE AC				
	Supply, installation, testing and commissioning of Higher Efficient models of CASSETTE TYPE AIR CONDITIONERS(Three) 4.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 415 Volts + 10 %, three Phase, 50 Hz AC supply with Scroll compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 5 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 rates inclusive of all repairs of civil and carpentry work The out door unit should be anti-rust powder coated. 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.	Nos.	1.00		
2	Providing and fixing Stabilizer with 3 step relay and input voltage range of 140-280 V and output to be 230 V (Blue bird/ Logic state/ Inline/ V-gourd) (copper winding).				
а	3 KVA (For 1.0 TR Split AC)	Nos.			
b	4 KVA (For 1.5 TR Split AC)	Nos.	6.00		
С	5 KVA (For 2 TR Split AC)	Nos.	2.00		
3	Control Cable For AC - Supply & laying, testing & commissioning of following sizes of copper conductor contorl cables on existing tray icluding fixing clamps & proper connections to equipment etc complete as required.				
	4 Cx 1.5 Sqmm	Mtr.	45.00		
	4Cx2.5 sqmm	Mtr.	80.00		
4	Deinstallation and Refixing of Existing Split AC after necessary cleaning with gas toping as required in the new location as per site condition inclusive all necessary civil mechinory, ply & electrical	Nos.	3		
	TOTAL FOR AIR-CONDITIONING WORK				

Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc to site. only GST will be paid Extra