

<b>BOQ FOR THE PROPOSED WORKS OF RENOVATION/INTERIOR/FURNISHING OF BRANCH FOR STATE BANK OF INDIA</b>					
BRANCH DETAIL:		PALASIA MAIN BRANCH INDORE (M.P.)			
<b>Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc to site. only GST will be paid Extra</b>					
I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
<b>PART-I : ELECTRICAL WORKS</b>					
<b>(A)</b>	<b>ELECTRICAL WIRING WORK</b>				
	Note: Use of Flexible conduits & Elbows in Circuit wiring is not allowed except in exceptional site conditions with the approval of Bank's Engineer / Architect and All wiring laying in the MS/PVC conduit strickle follow IE( Indian Electricity) rules, IS code, follow in all items of project/ work execution. Proper ferrules, lux, thimble , gland termination to be done in all cabling & wiring from both load/source end. Conduit carrying submain will not carry circuit/point wiring. Similarly conduit carrying circuit wiring will not carry submain/point wiring. Conduit carrying point wiring will not carry submain/circuit wiring. All Electrical works (Cabling/wiring/panel etc ) to be carried out as per layout/General Arrangement (GA)Drawing attached only.				
<b>1</b>	<b>ELECTRICAL WIRING</b>				
	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 (wherever 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 filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	<b>(Wherever required as per standard specifications).</b>				
	<b>i) Each circuit shall have independent earth wire.</b>				
	<b>ii) Each point shall be earthed.</b>				
	<b>iii) Circuit wiring is to be included in point wiring rates.</b>				
a	One light points controlled by one 6 amp. Modular switch.	Nos.	45		
b	Two light points controlled by one 6 amp. Modular switch.	Nos	50		
c	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos	2		
d	Celing fan point with one nos 6 amp switch and 2 module electronic regulator including wiring & ceiling rose	Nos.	24		
e	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc. on same light switchboard	Nos	18		
<b>2</b>	<b>6 AMP. POINTS ON SEPARATE BOARD :</b>				

I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
	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).				
i)	Primary Point	Nos	19		
ii)	Secondary Point looped	Nos	10		
<b>3 Power Wiring (6 / 16 AMP. POWER POINTS)</b>					
	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.				
i)	Primary Point	Nos	20		
ii)	Secondary Point looped	Nos	10		
<b>4 AC Point (Single Phase)</b>					
	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	3		
<b>5 AC Point (Three Phase)</b>					
	Same as serial no.1, but wiring for A/C socket by using 4*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 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	8		
<b>6 SPECIAL POINTS : ( For Computers )</b>					
	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 in a circuit)				
i)	Primary Point	Nos	18		
ii)	Secondary Point looped	Nos	10		
<b>(B) CONDUITING FOR TELEPHONE, COMPUTER &amp; CONDUITING. WIRING FOR T.V. SYSTEM.</b>					
<b>7 TELEPHONE POINT</b>					

I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
a	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice 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 CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos	20		
b	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.				
i)	Supplying & fixing 20 pair krone tag block with enclosure.	Nos	1		
ii)	P/L 10 Pair of PVC insulated PVC sheathed multi core jelly filled armored telephone.	Mtr	150		
<b>8 COMPUTER NETWORKING</b>					
a	Wiring for computer networking from Jack Panel in data 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 CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos	26		
b	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos	1		
c	Supply, Installation, Testing & Commissioning of 16 port Jack Panel.	Nos	2		
d	Providing and fixing Patch Panels 8 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make)	Nos	4		
e	Providing and fixing of flowing factory fabricated Patch cords. (DBPS Mounting Cord) (UTP/CAT 6 complete with connector on both side.)				
i)	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	26		
ii)	Supplying and fixing Patch Cord-1 Meter-	Nos	26		
<b>9 TV Point</b>					
a	Supply and fixing of 1.6 mm thick G.I. Box along with RG 6 T.V Co axial socket with Cover Plate.	Nos	3		
b	Supply, drawing, connecting, testing and commissioning of T.V Coaxial cable RG 6 in existing conduit.	R.Mtr	30		
<b>(C) CABLES AND DISTRIBUTION BOARDS</b>					
<b>10 CABLES , MAINS &amp; SUBMAINS</b>					
	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 to original. Conduit must be 30 mm below the floor finish level.				
i	<b>3.5 X 70 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS &amp; A.C. DB )/Main cable</b>	Mtr	25		

I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
ii	Supplying, laying, testing & commissioning of <b>4 C X 10</b> sq.mm. at 1100 volts grade PVC insulated <b>copper conductor</b> armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification from <b>Main board to UPS Room</b>	Mtr	50		
iii	Supplying, laying, testing & commissioning of <b>4 C X 25</b> 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 accessories, Clamps etc. as required as per specification <b>Pane to (POWER/UPS) DB</b>	Mtr	25		
iv	Supplying, laying, testing & commissioning of <b>4 C X 16</b> 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 accessories, Clamps etc. as required as per specification ( <b>Light DB</b> ).	Mtr	30		
v	Supplying, laying, testing & commissioning of <b>4 C x 50</b> 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 accessories, Clamps etc. as required as per specification ( <b>Mains</b> ).	Mtr	20		
11	<b>MAIN PANEL AND METER BOARD</b>				
	<b>Note:-The Panel shall be approved by The Bank Authority before Placing the Panel order, otherwise it will not considered</b>				
	Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM "I" 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, gasketted (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 finish 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 NTROLS/ 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 OFF position.				
	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All kA values indicated shall be lcs breaking capacity				
	GA drawings shall be got approved by SBI				
a	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. <b>(Meter Board )</b>				
	Incoming :-				

I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
	i) 1no. 250 Amp 4P MCCB (35 KA) thermal over current, instantaneous, Short circuit release, Earth fault.				
	ii) Busbar :-400 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.				
<b>b.</b>	<b>Floor panel shall consists of : -</b>				
	<b>INCOMER</b>				
	1no. 250 Amp 4P On Load Change over switch with 1 No. 125 Amps, TPN MCCB (25 KA) with extendable rotary handle each thermal over current, instantaneous, Short circuit release, Earth fault.				
	<b>BUSBARS</b>				
	125 amps TPN pole busbar chamber of suitable length with copper busbars. All busbars and interconnections shall be of suitable size copper strips.				
	<b>INDICATING PANEL</b>				
	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.				
	<b>OUTGOINGS:-</b>				
	3 Nos 125A FP MCCB (25 kA) for Power, Electrical & AC terminals suitable to receive cable on one side and wire connection to Bus bars. For capacitor Bank AND AC VTPN,				
	3 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.				
	<b>The electrical panel as described above &amp; specifications complete.</b>	Set	1		
<b>c</b>	<b>6-way TPN DB (LIGHT DB)</b>	Set	2		
	<b>Incomer:-</b>				
	1 No. 63 Amp FP (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	<b>Outgoing:-</b>				
	18 Nos. 6/10/25 Amp (10 KA) SP MCB				
<b>d</b>	<b>4-way TPN DB ( POWER DB)</b>	Set	2		
	<b>Incomer:-</b>				
	1 No. 63 Amp TPN (10 KA) MCB				
	<b>Outgoing:-</b>				
	12 Nos. 16 Amp (10 KA) SP MCB				

I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
e	<b>8-way V-TPN DB (AC)</b>	Set	2		
	<b>Incomer:-</b>				
	1 No.160 Amp 4 Pole (16 KA) MCCB				
	<b>Outgoing:-</b>				
	6No. 32 Amp (16 KA) TP MCB				
	6 Nos. 25 Amp (10 KA) SP MCB				
f	<b>4-way TPN DB UPS ROOM</b>	Set	0		
	<b>Incomer:-</b>				
	1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase				
	<b>Outgoing:-</b>				
	2Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings tto individual SDB				
g	<b>12-way SPN DB (For UPS Sub DB)</b>	Set	2		
	<b>Incomer:-</b>				
	1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	<b>Outgoing:-</b>				
	8-10 Nos.6/10Amp (10 KA) SP MCB				
h	<b>KIT KAT 200 AMP.</b>	Set	1		
	Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box				
i	Supplying, installation, testing & commissioning of 50 KVAR, APFC Panel autooperation and power factor should be nearing unity complete as required including all contactors, relays, indivating units etc. as required at site". Capacitor make: L&T/ ABB/ Siemens/ Neptune	set	0		
<b>(D) LIGHT FITTINGS, FANS, CALL BELL</b>					
<b>12 LIGHT FITTINGS &amp; ACCESSORIES</b>					
	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).				
a	<b>LED LUMINARES:- 2' x2' (FULL GLOW TYPE)</b> LED light fittings (600 X600mm) dimension suitable for grid/gypsum ceiling complete with its electronic driver as required per instruction of Bank's Model No are as under:- PHILIPS:- RC380B G2 LED 35S-6500 PSU OD WH LED <b>(FULLGLOW)</b> WIPRO:- CRCO1ORO 38 HP57 HAVELLS:- LHECDIL7L1W036 <b>(Edge- Lit)</b> CG:- LCTAR3-40-CDL	Nos	50		
b	<b>LED DOWNLIGHTER (Recessed):</b> 15 Watt, recessed mounted circular 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 DEPTH) CG:- LC DD-15-CDL,	Nos	31		
c	<b>LED DOWNLIGHTER (Surface Mounted):</b> 15 Watt, recessed mounted circular 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 DEPTH) CG:- LC DD-15-CDL,	Nos	3		

I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
d	LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirement. PHILIPS, WIPRO, HAVELLS, CG	Nos	17		
e	LED 18 watt Tube Light 1200mm with all accessories.make As specified in tender document or approved by bank	Nos	14		
f	LED 9 watt Tube Light 600mm with all accessories.make As specified in tender document or approved by bank	Nos	4		
g	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. PHILIPS, WIPRO, HAVELLS, CG	Mtr	96		
13	<b>BLDC (Brushless Direct Current) FANS FIVE STAR RATING</b> 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				
i)	Ceiling Fan 1200mm dia	Nos	24		
ii)	Oscillating wall fan (Metallic Body) Sweep 400/450 mm , RPM 1300	Nos	1		
14	<b>EXHAUST FAN:-</b> Single phase, 300mm sweep, 900 rpm, metallic 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	Nos	3		
15	CALL BELL: Electronic Bell with battery backup, simple ding dong type, each unit to have a different sound.	Nos	2		
(E)	<b>EARTHING, MAIN PANEL, METER BOARD</b>				
19	<b>EARTHING SYSTEM</b>				
a	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper-bonded 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 along with the bill).	Nos	2		
b	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of GI rod of 10 feet length, 17.2 mm dia. 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		
c	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required.				
i)	Copper Strip 25 mm x 3 mm with proper clamps	Mtr.	20		
ii)	G.I.Strip 25 X 5 mm	Mtr	45		

I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
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. ( <b>Dedicated Earthing for UPS output DB only</b> )	Mtr.	25		
<b>TOTAL OF (I) ELECTRICAL WORKS</b>				Rs	
<b>PART-II : AIRCONDITIONING WORKS</b>					
<b>AIR CONDITIONING WORK</b>					
	<b>IMP NOTES:</b> The Contractor shall visit the site before quoting rates for a better understanding of the working conditions on site. The scope work shall include Careful Dismantling/ Removing/ Deinstallation of Old, Non-Functional Air conditioning units including Window units/ Indoor and Outdoor Units, Ductable Units/ any other type of window/wall/ceiling mounted units, all the connected ducts/piping etc. The work shall be done without damaging the unit being removed or the structure on which it has been mounted or the other fixtures like AC grills, AC ducts or any type of conduiting/wiring/electrical fixtures/fire alarm sensor etc. complete. The task shall include safe handling and removal from site of un-installed ducts etc to a safe distance and of usable material to stores or as directed by the engineer-in-charge				
	Supply, installation, testing and commissioning of following AIR CONDITIONERS 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 Number. and system has complete one year warranty & If any additinal warranty provided by company/vendor in any specific part like compressor etc that is acceptable, please mentioned it.				
<b>1</b>	Supply, installation, testing and commissioning of Higher Efficient models of <b>HIGH WALL TYPE SPLIT AC, FIVE STAR RATING OF BEE AIR CONDITIONERS</b> 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, 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 civil or interior changes on site if required and shall include all required Heavy duty or company provided ready made or fabricated M S Stands if required to install the out door and indoor units as per site conditions ...cont'd...				
	Quoted competitive rate should deduct cost of company provided copper piping, the cost shall be paid as per actual length with nil deductions under the appropriate item only. 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 shall be inclusive of all repairs of civil and carpentry work, original fill and additional top up of refrigerant gas as per site condition, testing and commissioning complete. Make of ACs:- Daikin/Hitachi/Voltas/Bluestar/Carrier only				
a	1.5 (One Point Five) Ton Inverter Machines	Nos	1		

I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
2	Supply, installation, testing and commissioning of Higher Efficient models of <b>CASSETTE TYPE AIR CONDITIONERS BEE THREE STAR RATED AS</b> confirming to latest Indian Standards and suitable for operation on 230 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, built-in voltage stabilizer 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. ....cont'd...				
	Quoted competitive rate should deduct cost of company provided copper piping, the cost shall be paid as per actual length with nil deductions under the appropriate item only. 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 Make of ACs:- Daikin/Hitachi/Voltas/Bluestar/Carrier only				
a	2 (Two) Ton Machines Three Star rated Inverter Models	Nos	2		
b	3 (Three) Ton Machines Three Star rated Inverter Models	Nos	8		
3	Supply and installation of hard & prime quality of min. <b>22 G Copper pipe for "Cassette AC Only"</b> with class "o" Nitrile insulation of minimum 12 mm for 3 / 4 ton cassette type 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	Mtr	140		
4	Supply and installation of soft & prime quality of min. <b>22 G Copper pipe for " Split AC only"</b> 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. Payment will made as per actual installtion and nil deduction shall be made for company provided lengths. The rate shall be inclusive of all chase making and/or chisel work, plastering, finishing, painting & all civil repair work pertaining to mentioned work. Make of Insulation:- Superlon/Aflex/Armacell/Kflex Make of cable:- Finolex/RR/Havells	Mtr	5		
5	<b>Drain Pipe</b> Applicable 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 chase making and/or chisel work, plastering, finishing, painting & all civil repair work pertaining to mentioned work. Make:- Kasta/supreme	Mtr	120		

I.No.	Description of items	Unit	Qty	in INR	
				Rate Rs	Amount Rs
<b>6</b>	Providing & fixing of <b>Voltage stabilizer</b> with time delay option including all accessories with installation at site Make:-Microtek, V-Guard (Voltage Range 150- 280 Volts)				
a	4 KVA For 1Tr /1.5Tr Split AC	Nos	1		
b	5 KVA For 2 Tr Split AC	Nos	2		
<b>TOTAL OF (II) AIR CONDITIONING WORK</b>					Rs

### SUMMARY

1	PART-I : ELECTRICAL WORKS			Rs	
2	PART-II : AIRCONDITIONING WORKS			Rs	
	<b>Grand Total (I+II)</b>			<b>Rs</b>	