

**Price Bid of Electrical & AC works for Kashi Kachi Block with Toilet at State Bank Academy Campus  
-1, Sector 18, Gurugram.**

S.No	Description	Units	Qty.	Rate	Amount
<b>A</b>	<b>Electrical works</b>				
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 (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.				
	(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.	25.00		0.00
ii	Two light points controlled by one 6 amp. Modular switch.	Nos.	6.00		0.00
iii	Three light points controlled by one 6 amp. Modular switch.	Nos.	10.00		0.00
	Four light points controlled by one 6 amp. Modular switch.	Nos.	7.00		0.00
	Five light points controlled by one 6 amp. Modular switch.	Nos.	1.00		0.00
	Six light points controlled by one 6 amp. Modular switch.	Nos.	9.00		0.00
iv	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	3.00		0.00
v	Supply, Testing & Commissioning of Flush mount 360 degree ceiling mount sensor that combiner PIR, IR and Lux level control. The Sensor can also be placed in an automatic "Daylight Harvesting" mode for energy savings	Nos.	10.00		0.00
vi	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc.				
a	Dependent	Nos.	6.00		0.00
vii	One wall fan/ exhaust fan point controlled by one 6 amp. Modular switch. The switch should be at switchboard level	Nos.	12.00		0.00
viii	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 2x6A, 5 Pin modular socket controlled by two 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.	22.00		0.00
b	Secondary Point looped	Nos.	42.00		0.00
	<b>Note: If looped with Power Secondry point so its only single point connected</b>				
<b>2</b>	<b>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 1 <sup>st</sup> socket and 1 <sup>st</sup> to 2 <sup>nd</sup> , 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.	7.00		0.00
b)	Secondary Point	Nos.	7.00		0.00

5	POP UP BOX POINTS				
	Provide desk top plug is specially provision 1) Multi-connectors for data and power connection. Connectors: 1x Universal Socket, 2x RJ45 internet, 1x VGA, 1x 3.5mm audio Jack 1x usb 2.1 a port) Hydraulic (pneumatic) open close movement 3) with bottom box 4) Self-locking mechanical latching mechanism 5) Press-open pop-up cover	Nos.	4.00		0.00
3	<b>COMPUTER POINTS</b>				
a	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 2 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch 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) c) Same as above but provide for television. (Maximum 3 points in a circuit)				
	Primary Points	Nos.	21.00		0.00
	Secondary Points	Nos.	42.00		0.00
b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2mmthick PVC conduit from UPS DB to computer point. Each point to have 2 nos. 16 amps 5 pin modular type sockets, 2 No's 16 amps modular switch 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 and sockets under the counter. or as directed by the engineer incharge for the rack supply in server room, PA rack, CCTV, b) Same as above but looped from the above 1st point to 2nd point (Maximum 2 points in a circuit)				
	Primary Points	Nos.	2.00		0.00
<b>B.</b>	<b>CONDUITING FOR TELEPHONE, COMPUTER &amp; CONDUITING, WIRING FOR T.V. SYSTEM.</b>				
1.0	<b>TELEPHONE SYSTEM</b>				
1.1	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.	4.00		0.00
2	<b>COMPUTER NETWORKING</b>				
2.1	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.	118.00		0.00
2.2	Supplying and fixing 19 U floor mounted (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	1.00		0.00
2.3 b	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	5.00		0.00

2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	118.00		0.00
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	118.00		0.00
<b>C. CABLES, MAINS &amp; SUBMAINS</b>					
1	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 G.I wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification <b>(LIGHT DB, Power &amp; UPS DB).</b>	RM	120.00		0.00
<b>D. DISTRIBUTION BOARD</b>					
	Supplying, installing, testing & commissioning 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.				
	UPS DB's shall have a dedicated Earthing link fixed on 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	<b>12-way TPN DB (LIGHT DB &amp; 6 A raw point )</b>	No.	1.00		0.00
	<b>Incomer:-</b>				
	1 No. 63 Amp TPN (10 KA) MCB with 63 A DP RCCB (100 MA) each phase				
	<b>Outgoing:-</b>				
	30 Nos.10/16/20 Amp (10 KA) SP MCB				
b	<b>16-way TPN DB (LIGHT DB &amp; 6 A raw point )</b>	No.	1.00		0.00
	<b>Incomer:-</b>				
	1 No. 63 Amp TPN (10 KA) MCB with 63 A DP RCCB (100 MA) each phase				
	<b>Outgoing:-</b>				
	42 Nos.10/16/20 Amp (10 KA) SP MCB				
c	<b>4-way TPN DB (POWER &amp; LIGHTING DB)</b>	No.	1.00		0.00
	<b>Incomer:-</b>				
	1 No. 40 Amp TPN (10 KA) MCB with 40 A 4P RCCB (100 MA)				
	<b>Outgoing:-</b>				
	6 Nos.10/20/25 Amp (10 KA) SP MCB				
<b>E (LIGHT FITTINGS &amp; OTHER 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 Fixtures should be covered with minimum 3 Years onsite replacement warranty). Philips, Wipro, Tisva				
i	Supplying, fixing, testing and commissioning of Wipro Trimless COB 15W, Ceiling Light of make Wipro/Tisva/Phillips or equivalent As specified in tender document or approved by Engineer/Architect.	Nos.	116.00		0.00
ii	Supplying, fixing, testing and commissioning of commercial type Decorative 30 Watts led light of make As specified in tender document or approved by SBI/Architect. <b>(WIPRO/Tisva/Phillips)</b> <b>(Basic cost of Decorative Light Rs.50000/-)</b>	Nos.	3.00		0.00
iii	Supplying, fixing, testing and commissioning of commercial type Decorative 18 Watts led light of make As specified in tender document or approved by SBI/Architect. <b>(WIPRO/Tisva/Phillips)</b> <b>(Basic cost of Decorative Light Rs.10000/-)</b>	Nos.	4.00		0.00
iv	Supplying, fixing, testing and commissioning of commercial type Linier Ceiling profile led light Width Minimum 50 mm Material Aluminium, with two number LEDs strips of 240 LEDs 45 Watt along with necessary driver and other related accessories Linier profile light of make As specified in tender document or approved by SBI/Architect.	Meter	90.00		0.00
v	Supplying, fixing, testing and commissioning of commercial type Spot light 9/12 Watts led light of make As specified in tender document or approved by SBI/Architect. <b>(WIPRO/Tisva/Phillips)</b> <b>(Basic cost of Decorative Light Rs.3000/-)</b>	Nos.	2.00		0.00
vi	LED Strip for cove lighting 45 Watt 240 LED per meter with driver and necessary installation supporting fittings of Led strip light make as specified in tender document or approved by Architect/Bank.	Meter	45.00		0.00
vii	Supply, installation & testing commissioning of landscape light <b>Model no: Flood Light (12W-113W) LF04 (Wipro)/ equivalent make Philips/ Havills/ Bajaj</b> As specified in tender document by Engineer/Architect.	Nos.	3.00		0.00
viii	Supply & fixing of 450 mm exhaust fan with louvers and Industrial type metal body with all accessories etc. complete of make As specified in tender document or approved by Architect/Bank.	Nos.	2.00		0.00
<b>H PUBLIC ADDRESS SYSTEM</b>					
1	Point Wiring of 1.5 sq mm twin core shielded type of speaker cable with Providing and fixing in position the following <b>FRLS PVC conduits</b> including all accessories concealed/exposed in F.Ceiling/Wall complete as required including 1.6/2.0 mm thick PVC junction or pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia G.I. pull wires in the length of conduit. including all accessories.	Nos.	7.00		0.00
2	Supply, installation, testing and commissioning of following Philips <b>(BOSCH)</b> make Music Accessories / Equipments.				
a.	Ceiling Speaker Unit 6 Watts	Nos.	7.00		0.00
b	Power Amplifier, min 70 Watts with output transformer etc. complete. Plena Range/ Ahuja or as approved by the Bank capable of taking Inputs from USB Also.	Nos.	1.00		0.00
<b>Total Amount of Electrical works</b>					<b>0.00</b>
<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>					