

TENDER FOR ELECTRICAL,  
FIRE FIGHTING, NETWORKING WORKS  
FORSBI LIFE RO OFFICE  
AT JAIPUR.

No.	Particular	Qty	Units	Rates	Amount
<b>1.0</b>	<b>ELECTRICAL WIRING</b>				
	Providing & fixing POINT WIRING for Ceiling and wall lights. Item includes Circuit wiring from DB to the switch board with 3x2.5 Sq.MM PVC insulated copper conductor for Phase, Neutral & Earth (P+N+E) in appropriate size of PVC medium conduits (BSA/ AKG)ISI mark, point wiring to be with 3x1.5 Sq.MM PVC insulated copper conductor with all necessary accessories, such as saddles etc. on surface or embedded in wall, chasing the walls and making the surface neat afterwards. Item includes 6 AMP switch including blanks as necessary of NORTH WEST styles /legarnd / Philips with all base plates, covering plate Metal box and cover plate to be metalika crome/brush finish of same make etc. complete. (EACH Circuit to take NOT MORE than 6 to 7 points) <b>Only FRLS wire to be used (Finolex / Polycab/ CCI)</b>				
a	Providing & fixing point wiring with same specifications as MAIN point wiring above but One point controlled by one switch.	109.0	Nos.		
b	Providing & fixing point wiring with same specifications as MAIN point wiring above but 2 points to be controlled by one switch.	33.0	Nos		
c	Providing & fixing point wiring with same specifications as MAIN point wiring above but 3 points to be controlled by one switch.	19.0	Nos		
e	Providing & fixing point wiring with same specifications as MAIN point wiring above but for WALL FAN points with additional 1 No. 5pin 6Amp socket outlet to be provided at the location of fan	60.0	Nos.		
g	providing and fixing 6 Amps Plug Points with same specs as above but along with switchboard (point wring)	15.0	Nos		
<b>2.0</b>	<b>Power Wiring</b>				
a	Providing & fixing wiring for 16 Amp Power points with 3x4.0 Sq. MM PVC insulated copper conductor. Earth wire with all necessary accessories, such as saddles etc. on surface or embedded in wall, chasing the walls and making the surface neat afterwards. Item includes 16 AMP switch including 6 pin 6/16 AMP socket with all base plates, covering plate, Blanks, Metal box of same make etc. complete	54.0	Nos		
<b>3.0</b>	Providing & fixing wiring for 6 Amp Power points with 3x2.5 Sq. MM PVC insulated copper conductor. Earth wire with all necessary accessories, such as saddles etc. on surface or embedded in wall, chasing the walls and making the surface neat afterwards. Item includes 6 AMP switch including 5 pin 6 AMP socket with all base plates, covering plate, banks, Metal box of same make etc. complete	62.0	Nos		
	6 Amps Looped Points with same specs as above but looped with the primary points	37.0	Nos		

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No.	Particular	Qty	Units	Rates	Amount
4.0	<b>Special point for computer's</b>				
	Providing & fixing UPS points with 3x2.5 Sq. MM PVC copper conductor & (P+N+E) insulated 1100v grade including 3 Nos 5pin 6 Amp sockets + 1 Nos 16 Amp switch with neon indicator an blanks as necessary (Panasonic or equivalent).complete with all necessary accessories. (all 3 sockets, 1 switch & indicator to be considered as ONE POINT) For points on counter the switch and indicator to be located above the work stations while sockets to be below the Work stations Maximum 2 points per circuit, Looped point to be paid separately (each circuit to be controlled by one MCB).				
i)i	Primary points	75.0	Nos		
i)ii	Secondary points	59.0	Nos		
5.0	Providing & fixing BELL POINTS on wall / partition with 3x1.5 Sq. MM copper conductor in PVC medium guage conduit (IS:9537) with call bell switch (Push Type) including bell Multi Tune Bell etc. complete.	8.0	Nos		
5.1	Providing & laying A.C. point. with 2x6.0 Sq. mm PVC insulated copper conductor with 1x2.5 PVC insulated copper conductor with 1 Metallic box, 3 pin metalclad industrial socket including Metal plug Top (2P+E 32 Amps), 1 SPMCB (C SERIES) (25/32Amps)	21.0	Nos		
6.0	Providing & laying water cooler/ geyser point. with 2x4.0 PVC insulated copper conductor for P+N and 1x2.5 Sq.mm PVC insulated copper conductor for earthing with 32A DP 1 way switch with plate & box 1 set. + 25A & 10A twin socket with plate & box + 6 AMP multi Pin socket & switch, (C SERIES).	3.0	Nos		
7.0	Providing & fixing wiring for glow Sign Board with same specifications as main point wiring above with 2x2.5 Sq.mm PVC insulated copper conductor wire with 1.5 sq.mm PVC insulated copper conductor for Earthing in appropriate size PVC conduits. The item incldues terminating the wiring in a 16 Amp DP MCB including MS encloser for the same complete.	1.0	Nos		
7.1	Providing & fixing programmable timer switch for switching power on and off. Timer will be Analogue dial type adjustable TIMER switch which is adjustable over 24 hrs with 15 minutes intervals & is to have 1 NO+1NC (20A) contact. Timer will have its own backup battery & will be enclosed in 16 gauge MS box with acrylic lid together with suitable connector block. (Havells/ABB/ MDS / L&T)	1.0	Nos		

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No.	Particular	Qty	Units	Rates	Amount
8.0	Providing and fixing 150x35mm GI raceways in Floors including making chases in floor, walls as necessary and covering the same with cement mortar giving a neat finish after laying is done. The Item includes Bends, Cover plates etc. complete.	110.0	R.Mtr		
9.0	Providing and fixing Raceway same as above except size 100 x35MM	45.0	R.Mtr		
9.1	Providing & fixing 3mm thick GI junction boxes 300x 300x 35mm embedded in floor after cutting floor & making it neat after fixing the box. Item also includes SS cover plate screwed to the box complete.	30.0	Nos		
9.2	Junction box Same as above size 200 x 200 x 35MM	20.0	Nos		
10.0	Providing and fixing powder coated Perforated GI cable tray 450mm x 50mm x 1.6mm thick supported on PVC angles 40x40mm hung from ceiling soffit by MS rods 12mm dia. Item includes all bends etc. complete	40.0	R.Mtr		
11.0	Providing and fixing powder coated Perforated GI cable tray 300mm x 50mm x 1.6mm thick supported on PVC angles 40x40mm hung from ceiling soffit by MS rods 12mm dia. Item includes all bends etc. complete	40.0	R.Mtr		
<b>12.0</b>	<b>DISTRIBUTION BOARDS</b>				
	<b>All MCB to be "C" series</b>				
	Supply, installation, Testing & commissioning of the surface/recess mounting following ways MCB DB's 230/415 Volts on surface/ recessed, complete with tinned copper busbar, neutral bar, earth bar, din bar detachable gland plate, interconnections, Blanks & making good all the damages, painting, cleaning the site etc complete as required as per site requirement & as directed.				
a	Providing and fixing 6 way TPN double door DB for LIGHT POINTS with 63 Amps TPN MCB controlling 18 Nos. 10/16 Amps SPMCBs. & Complete.	2.0	Nos.		
a	Providing and fixing 8 way TPN double door DB for LIGHT POINTS with 63 Amps TPN MCB controlling 18 Nos. 10/16 Amps SPMCBs. & Complete.	2.0	Nos.		
b	Providing & fixing 8 way TPN double door DB for Power points with 63 Amps TPN MCB controlling 18 no 16/32 Amp SPMCBs Complete.	1.0	Nos.		
c	Providing & fixing 10 way TPN double door DB for Power points with 63 Amps TPN MCB controlling 18 no 16/32 Amp SPMCBs Complete.	1.0	Nos.		

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No.	Particular	Qty	Units	Rates	Amount
d	Providing and fixing Industrial Socket and plug with 63 Amp. DPMCB (C SERIES) including enclosure For UPS INPUT	2.0	Nos.		
e	Providing and fixing 12 way TPN DB double door type For UPS points with 1no 63 Amps TPN MCBs controlling 27 NO 6Amp SPMCB	1.0	Nos.		
f	Providing & fixing 6 way TPN DB double door type For UPS points with 1x40 Amps TPN MCBs controlling 18 NO 6AMP SPMCB	1.0	Nos.		
g	Providing and fixing 8 way TPDB double door type For UPS points with 1x40 Amps TPN MCBs controlling 21 NO 10AMP SPMCB	1.0	Nos.		
h	Providing and fixing 6 way VTPN double door DB for UPS power supply with 125 Amps 4-P MCCB, 35KA controlling 6 no. 25/32 Amp SPMCBs and 3 Nos 63AMP, TPN CBs complete.	1.0	Nos.		
<b>13.0</b>	<b>MAIN PANEL</b>				
a	Design, Fabrication, assembling, supply, erection testing & commissioning of 2 mm thick rust inhibited, sheet steel enclosed, cubicle compartmentaised, dust and vermin proof with rubber gaskets, hinged and lockable doors and powder coated lockable doors and powder coated complete with copper Bus bard, incoming and Outgoing, meters,indicators as specified, The panel being free standing type. The floor mounted panel shall be provided with ISMC mounting channels size 75 mmx40 mmx6 mm).				
	The Construction of panel shall strictly as per technical specifications and as per relevant indian standards All fabrication shall be with CRCA sheet steel with stiffeners and bracing as required An earth bus of 50 mm x5 mm GI strips shall be provided along the width of the panel.				
	<b>INCOMMING-</b> 250 Amp TPN MCCB, 1 SETS OF 400 Amp TPN Copper Bus bar, 2 strips properly insulated, (Hot Shrunked with colour coding)				
	Metering				
	1 Nos 96 x96 mm square type Voltmeter with Selector switch HRC fuses.				
	1 no. 96 x96 mm square type Ammeter with Selector switch and CT3				
	1 Set of on ( 3 nos.) phase indicating lamp & toggle switches with HRC fuses.				
	<b>OUTGOING:</b> 8 Nos 63 AMPS TPN MCB for Light/Power DB, 2 Nos 63Amps TPN MCB for UPS SUPPLY and 11 No 40 AMP TPN MCB and 2 Nos 63AMP TPN MCB for ACs				

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No.	Particular	Qty	Units	Rates	Amount
	The item includes all indicator lamps LEDs for three phases, toggle switch, Voltmeter (0-500V) with selector switch, Am-meter (0-160Amp) with selector switch connectors, etc. complete. Full Set as above	1.0	Nos		
<b>14.0</b>	<b>CABLES</b>				
a	Providing & laying 4x10.0 Sq. MM Al. armoured from Main Panel to Various DBs. Item includes double GI wire 16 SWG for earth.	45.0	Mtr.		
b	Providing & laying 4x6.0 Sq. MM Al. armoured from Main Panel to Various DBs. Item includes double GI wire 16 SWG for earth.	45.0	Mtr.		
c	Providing & laying 4x4.0 Sq. MM Al. armoured in PVC conduits from Main Panel to Various DBs. Item includes double GI wire 16 SWG for earth.	62.0	Mtr.		
d	Providing and fixing 16 (P)x16 (N)x 4 (E) Sq mm Multi strand Copper wire for UPS supply From UPS. To UPS DBs in 25 MM M.S conduits including all accessories.	15.0	Mtr.		
<b>15.0</b>	<b>Cable Terminations</b>				
	Supplying and connecting the end terminations with copper cable lugs, Single Compression Brass Cable Glands, Tapping, Crimping etc. complete.				
b	4 core 10 Sqmm All Ar. With suitable size gland, lugs etc	6.0	set		
c	4 core 4 Sqmm All Ar. With suitable size gland, lugs etc	8.0	set		
c	4 core 6 Sqmm All Ar. With suitable size gland, lugs etc	8.0	set		
<b>16.0</b>	Providing and Fixing Air Curtain 1800mm length complete with all fixing.	2.0	Nos		
<b>17.0</b>	<b>ELECTRICAL FIXTURES</b>				
	Item includes Providing, assembling, fixing, testing and commissioning Following Fixtures including all accessories & extension chords as maybe necessary complete. All CFL / Flurescent fixtures (except down lighters) to be hung from the RCC ceiling by 20 KG grade adjustable GI chain & in NON False ceiling area they are to be hung by appropriate Down Rods.				
	Supplying, Installation & commisioning of following type recessed/surface mounted fluorescent light fixture SMART PANEL complete with electronic choke earthing point and with TL-5 / LED lamps complete as required.				
a	36W LED (2'X2') PHILIPS/WIPRO with 3yrs. Replacememt warranty	79.0	Nos		
	15W LED Downlighter PHILIPS/WIPRO with 3yrs. Replacememt warranty	136.0	Nos		

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No.	Particular	Qty	Units	Rates	Amount
b	Providing and Fixing wall fans. 400mm sweep HAVELLS swift LX/midea bajaj/Mist air Usha.	60.0	Nos		
	<b>EXHAUST FAN</b>				
c	Supply of the following single phase Exhaust Fan continuously rated, totally enclosed and ruggedly built, pre lubricated double ball bearing, copper wound, A & E class insulation, dynamically balanced, below 40 db sound level etc. with suitable arrangement for fixing etc complete as required as per approved make& model as per given below ( heavy duty with gravity luvors)				
	a. Sweep : 305 mm				
	b. RPM : 1.400..				
	c. Air delivery: 1250 CMM				
	A. Makes : 300/305 mm sweep				
	Bajaj, Crompton, Orient, Havells	9.0	Nos		
d	Exhaust Fan for UPS Room with heavy duty with gravity luvors)				
	a. Sweep : 450 mm				
	b. RPM : 1400..				
	c. Free Air delivery				
	6120m Q per hour				
	Noise level below 70 db	2.0	Nos		
f	<b>BOX TYPE LUMINAIRES: ( T-5)</b>				
	Supply of Box type luminaire pre-phosphated & powder coated CRCA sheet channel with all accessories like ballast, lamp holders all pre wired up to a terminal block / mains connector, replacable Electronic ballast mode tested as per IEC 598/ IS 10322, complete as required as per approved make.				
	Flourescent Tube Light fixture Box type suitable for 1 no 28 watts lamp with high frequency digital ballast ( THD < 10% ) for lamp.				
	28 Watts High efficiency Linear flourescent lamp having 2900 lumens — 1 No	4.0	Nos		
	Makes :				
	Wipro — Cat NO : WRF 81128 SG				
	Make- Crompton, Philips,Havells, Wipro,				
	High eflicient flcurescent lamps : T5 28 Watt				
	Crompton, Philips, Wipro, Osram, Bajaj				
h	Providing & Fixing pendant light downlighter 3x1 watt, including driver (LD20-003-045-white) LED Driver Cat. No. LG40-006	4.0	Nos		
i	Providing & Fixing Mirror light with LED lamps (Phillips or Equivalent) including Fixture and lamp complete.	10.0	Nos		

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No.	Particular	Qty	Units	Rates	Amount
j	Providing and fixing flexi/formz LED strip for cove light (5 mt. 14.5/ w ) with driver.(MAKE: Wipro) (LED cat No. LS26-015-120-WW-50) with HF electronic Driver for Flexi strip (Driver cat no.LG40-024)	18.0	Nos		
<b>19.0</b>	<b>EARTHING</b>				
	The items listed below shall be undertaken directly by Agencies providing Chemical earthing, The contractor shall provide the rates of getting the same executed by the agency.				
	The representative of the agency shall measure and submit the test report of the earth directly to the branch and one copy to the Elect. Engr. The agency is also required to test & provide the test report of the earthing measurement every six months to the branch and Elect. Engr. for monitoring upto a period of three years.				
a	Supply & installation of pipe-in-pipe technology Ashlok Earthing system, Model T-39 with outer diameter of 80 mm, PVC pipe length 2000 mm embedded in the soil with masonry inspection pit alongwith cover etc. complete in all respect. Earth pit installation test certificate to be submitted after measurement of earth resistance as per the provision in IS 3043. (UPS connection)	2.0	Nos.		
aii	Earthing same as above for T-19	2.0	Nos.		
b	Supplying and fixing 25x3 mm copper strip, insulated by heat pressurized heavy gauge PVC sleeve, duly jointed by full lap brazing and fixed on wall with copper saddles & brass screws.	40.0	RMT		
	<b>TOTAL ELECTRICAL</b>				
<b>20.0</b>	<b>VOICE/DATA CABLING</b>				
	The cabling is to be done through Bank approved Vendors only. The contractor shall submit installation certificate as per Bank's requirement.				
a	Providing and fixing 150x40mm & 1.5 mm thk. MS raceways in Floors including making chases in floor, walls as necessary and covering the same with cement mortar giving a neat finish after laying is done. The Item includes Bends, COver plates etc. complete.	85.0	R.Mtr		
b	Providing and fixing 100x40mm & 1.5 mm thk. MS raceways in Floors including making chases in floor, walls as necessary and covering the same with cement mortar giving a neat finish after laying is done. The Item includes Bends, Cover plates etc. complete.	80.0	R.Mtr		

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No.	Particular	Qty	Units	Rates	Amount
c	Providing & fixing MS junction boxes 300x300x 35mm & 1.5 mm thk. embeded in floor after cutting floor and making it neat after fixing the box, including SS cover plate complete.	35.0	Nos		
d	Providing and fixing MS junction boxes 150x150x35mm & 1.5 mm thk. embeded in floor after cutting floor and making it neat after fixing the box, including SS cover plate complete.	15.0	Nos		
e	Providing and laying Data Cable CAT-6 (Systimac / Molex) in 25mm dia (1.6 mm) (max) PVC Conduits meduim in flooring after chasing and covering the chases after completion of work neat. (Each point to be marked with ferrules.) complete to the satisfaction of Architect / Bank's Engineer	2200.0	R.Mtr		
f	Providing, fixing, testing and commissioning I/O Unit (Compatible to Systimac / Molex) including square face plate, MS housing box, with socket sutable for high speed CAT-6 cable complete	139.0	Nos		
fii	Providing, fixing, testing and commissioning I/O Unit (AT&T make) including square face plate, MS housing box, with socket sutable for high speed CAT-6 cable at designated places for wi-fi router/modem complete	3.0	Nos		
g	Providing & fixing Patch Panels 24 port (100 base TX) cat 6 patch/jack pasnel with connector, ou lets & (AMP panel)	12.0	Nos		
h	Providing & fixing GIG SWITCH 48 port (100 base TX) cat 6 patch/ jack pasnel with connector, ou lets & (CISCO/ HP)	5.0	Nos		
h	Providing & fixing GIG SWITCH 24 port (100 base TX) cat 6 patch/ jack pasnel with connector, ou lets & (CISCO/ HP)	3.0	Nos		
i	Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels, cable manager etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessary including All accessories patch cords etc. complete. (COMRAC)				
i)ii	42 U Floor mounted RACK	2.0	Nos		
j	Providing and fixing of flowing factory fabricated Patch cords. (UDP/cat 6 complte with connector on both side.)				
i)	for 1 Mt. long	139.0	Nos.		
ii)	for 2 Mt. long	139.0	Nos.		
<b>21.0</b>	<b>TELEPHONE POINT/VOICE</b>				
	Supplying, Installation, testing and commissioning of the telephone point with the followings				
a	Supplying & laying CAT 6 AMP/D-Link make cable in 2MM thick PVC conduit for VOICE	2200.0	Mtr		



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No.	Particular	Qty	Units	Rates	Amount
b	Telephone outlet with shutter modular type Telephone Outlets with suitable size MS / PVC modular boxes				
i	2-outlets	3.0	Nos.		
ii	Single outlets	135.0	Nos.		
	<b>TOTAL DATA CABLING</b>				
<b>23</b>	<b>Audio system for conference room</b>				
a	Providing, Fixing and commissioning Projector 3000 Lumens NEC VT 695 DLP (Digital laser processing) XGA, with manual Zoom, Analogue and DVI-I input, HDTV and SDTV compatibility, Auto Verticle Keystone correction facilit, 5 W built in speakers	1.0	Nos		
b	Providing, fixing and installing Remote Controlled Motorised Screen 7'-0"x5'-0".with Somfy motor and imported high tolerance fabric.	1.0	Nos		
c	Providing, fixing and commissioning Remote controlled Cube Lift for Projector in conference room with SOMFY motor and assembled casing, including cabling for suitable for HDMI technology, cable for Laptop connection from projector to a point on table complete.	1.0	Nos		
d	Extremely small & inconspicuous lightweight supercardioid boundary layer microphone for table, wall or ceiling mount situations. (Crown MB3)	16.0	Nos		
e	Frequency agile wireless microphone system including SR45 Stationary Receiver, PT45 Pocket Transmitter, SMPS Switched Mode Power Supply (EU/US/UK), CK99 Lavalier Microphone, 1 AA Battery. (AKG WMS 45PT)	1.0	Nos		
f	Frequency agile wireless microphone system including SR45 Stationary Receiver, HT45 Pocket Transmitter, SMPS Switched Mode Power Supply (EU/US/UK), Stand Adapter, 1 AA Battery. (AKG WMS 45PT)	1.0	Nos		
g	Analog mic/line input, 8 analog output, networked signal processor with 12 independent AEC algorithms, telephone hybrid and fault-tolerant bus. (BSS BLU 101)	1.0	Nos		
h	4" Two-Way Ceiling Speaker, 15W Pink Noise, 30W Program Power Capacity. with Transformer. For use on a 70.7V or 100V Distributed Line. Taps are 8W, 4W and 2W, 1W (and 1/2W at 70.7V only). JBL CONTROL 24CT MICRO	8.0	Nos		

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i	Dual Channel Power Amplifier, 550W@ 2ohm. 350 @ 4ohm, 215W @ 8 ohm per channel. CROWN XLS 1000	1.0	Nos		
j	Single auto former to provide impedance matching between an amplifier output & constant voltage loudspeakers. CROWN T170	1.0	Nos		
k	Accessories				
ki	Speaker cable	120.0	Mtr.		
kii	2 core shielded Microphone cable klotz my206	150.0	Nos		
kiii	Equipment Rack 9U	1.0	Nos		
l	Table Top podium	1.0	Nos		
	<b>Total Audio system for conference room</b>				
<b>22</b>	<b>FIRE ALARM SYSTEM</b>				
a)	Supplying of WIRE 2 CORE 1.5MM conductor non-armoured cable. (approve make:Polycab/havell)	425.0	R.Mtr		
b)	Supplying, Installation, connection, testing & commissioning the following :				
i	Smoke Detector - Optical type low current draw, wide operating voltage 8 to 30 VDC, Bi-colour LED detector status indicator. Automatic drift compensation. Tested and approved to EN54 - 7:2000 (Amendment 1). Photoelectric Smoke Detector .(Make Apollo/ System Sensor / Siemens)	110.0	Nos		
ii	HEAT Detector - Optical type low current draw, wide operating voltage 8 to 30 VDC, Bi-colour LED detector status indicator. Automatic drift compensation. Tested and approved to EN54 - 7:2000 (Amendment 1). Photoelectric Smoke Detector .(Make Apollo/ System Sensor / Siemens)	10.0	Nos		
iii	Duct Detectors - Conventional smoke duct detectors with Low-Flow Technology, with the WP-2000 weatherproof enclosure.	4.0	Nos		
	The LED of the above detectors should constantly blink when the system is ON and should constantly glow when actuated				
iv	Electronic Hooter . Hi-Intensive sound (80 to 100 db), Tested by ERTL as per IS:2189. Power I/P 100 V AC or 24 V DC. Sound O/P 100dB. Colour Red. Speaker 4 watt : (Make Agni Surkhsha/Morley )	3.0	Nos		
c)	Supply, Installation of Mannual Call Point with hammer and chain. As per IS:2189. SS Chain , Hammer & blinking. Power I/P 24 V DC, MS Sheet, 750 gm., Dimesions (mm) 120 X 90 X 55. Colour - Red. (Make Agni Surkhsha/Morley )	8.0	Nos		
d)	Supplying, Installation, connection, testing and commissioning of Remote Indicators with LED Display to be attached with the detectors as required.	8.0	Nos		

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e)	Fire Alarm Panel 4 ZONE with Advanced Micro controller based . Character LCD display. Zone wise Fire,open,short LED indicators, testing facility. Trickle & fast charging facility. Reset, alarm cancel, lamp test and control etc. Compatible with any make smoke and heat detectors. (Make Agni Surkhsha /Morley) Technical :: Power Supply 230 V AC , 50 Hz / 24 V DC, Operating Voltage 24 V DC, Normal Loop Voltage 23.20 V DC, E.O.L. 4K7	1.0	Nos		
f)	Photo Luminiscent Exit Signs (Self Glowing) Green in colour of make. 300x150mm	10.0	Nos		
	<b>FIRE FIGHTING</b>				
a	Supply, installation, testing and commissioning following items for fire fighting in the premises. Item includes cutting existing piping and connecting NEW piping as per specifications. Item also includes liasoning with Buiding authority forthe proposed system and also for cutting of water supply to exisitng sprinklers and re-establishing the supply after the work is done.				
i	SITC of MS pipes EWR black "C" class for sprinklers as extension to desired location above ceiling. Item incldues all necessary reducers, nipples, elbows, clamps, hangers nut bolts as required. The entire pipe line (OLD and NEW) to be painted red after completion of work.				
	32mm	20.0	Mtr		
	25mm	35.0	Mtr		
b	Providing & fixing 15mm Dia UPRIGHT sprinkler for above ceiling including cutting existing pipe and fixing sprinkler as required	20.0	Nos		
c	Providing and fixing Flexi GI pipe 1 mtr long for shifting Existing sprinkler to NEW location as required.	50.0	Nos		
d	Removing existing sprinkler and refixing at NEW location as per design all accessories complete	50.0	Nos		
e	SITC of NEW sprinklers including all accessories complete	30.0	Nos		
f	Providing and fixing CO2 water type fire extinguishers with steel cylinder with a discharge valve. Extinguishers shall be painted with red enamel paint. (9 Litres). As per IS:15683:2006 specification, bearing ISI Mark	6.0	Nos		
g	Providing and fixing water CO2 gas fire extinguishers with steel cylinder with a discharge valve and conforming to IS:940. Extinguishers shall be painted with rex enamel paint and fixed to wall with brackets capacity 4.5 Kg. per As IS:15683:2006 specification, bearing ISI Mark	4.0	Nos		

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h	Providing & fixing ABC powder type fire extinguisher ISI marked: 4 kg capacity. As per IS:15683:2006 specification, bearing ISI Mark	5.0	Nos		
	<b>TOTAL FIRE ALARM and FIGHTING SYSTEM</b>				
	<b>CCTV System</b>				
	<b>Supply, Installing, testing and commissioning CCTV system a per following details. Item includes all necessary hardware, small civil, carpentry work etc.</b>				
1	Model No (DH-HAC-HDW1100RP) Dome IR 1/2.9" 1Megapixel CMOS 25/30fps@720P High speed, long distance real-time transmission Day/Night(ICR), AWB, AGC, BLC 3.6mm fixed lens Max. IR LEDs length 20m, Smart IR DC12V Make - Dahua, CP Plus	16.0	Nos		
2	Model No (DH-HCVR4216AN-S2) DVR 16 CH CAMERA Support HDCVI/Analog/IP Video input > H.264 dual-stream video compression > HCVR4216AN-S2: All channel 720P recording > 16 channel synchronous playback, GRID interface & smart search > HDMI/VGA simultaneous video output > Support 2 SATA HDDs up to 8TB, 2 USB2.0 > ONVIF Version 2.4 conformance > 3D intelligent positioning with Dahua PTZ dome camera > Multiple network monitoring: Web viewer, CMS(DSS/Smart PSS)&Smart Phone(DMSS) Make - Dahua, CP Plus	1.0	Nos		
3	Western Digital Surveillance Hard Disk 4T. B.	2.0	Nos		
4	Power Supply 12 VOLT 8Amp	2.0	Nos		
5	Wire (3+1) Core -5	500.0	Mtrs		
	<b>TOTAL CCTV SYSTEM</b>				
	<b>Biometric Finger Print + RFID Time Attendance Door Access Control System- RECEPTION</b>				
a	Providing, Installing, commissioning of T-61 Biometric Finger Print + RFID card Time Attendance Reader 1000 templates and 100000 transaction capacity for entry. Item includes all Time attendance software etc. complete- REAL TIME , HONEYWELL, ESSL	3.0	Nos		
b	12 V Power Supply	3.0	Nos		
c	Electro Magnetic Lock for glass door	3.0	Nos		
d	U bracket For Glass Door	3.0	Nos		
e	L Bracket For Lock Hanging -	3.0	Nos		
f	(ST-20) Finger Print + card Exit Reader	3.0	Nos		

TENDER FOR ELECTRICAL,  
FIRE FIGHTING, NETWORKING WORKS  
FORSBI LIFE RO OFFICE  
AT JAIPUR.

No.	Particular	Qty	Units	Rates	Amount
g	Emergency Out Switch	3.0	Nos		
h	RFID CARD	350.0	Nos		
i	Cat-6 wire (per meter)	90.0	R.Mtr		
	<b>TOTAL ACCESS CONTROL SYSTEM</b>				
	<b>G. TOTAL ELECTRICAL AND OTHER SYSTEMS</b>				