

| EKLER FOOD COURT                                    |   |      |       |      |                  |
|---|---|------|-------|------|------------------|
| Panels & Distribution Board<br>OUTLET-2 BIKANERWALA |   |      | BOQ   |      |                  |
| SR. NO.   | DESCRIPTION   | UNIT | QTY   | RATE | TOTAL BOQ AMOUNT |
| 1.0   | <b>PANELS, SWITCHGEARS &amp; DISTRIBUTION BOARD</b>   |      |       |      |                  |
| 1.1   | <b>MAIN PANEL-1</b>   | Nos. | 1.00  |      |                  |
|   | Incomer : 63 AMPS 4P MCCB, 25kA with TM Based O/C & SC Release.   |      |       |      |                  |
|   | Meter & Protection: ELR with CBCT; 60/5A, 15VA, CL-1 CT's -3 Nos. for Schneider make Digital Load Manager (EM 6400 NG)  |      |       |      |                  |
|   | Indication: Phase indicating lamps with 6A MCB  |      |       |      |                  |
|   | Busbar: 100A TPN Cu Busbar  |      |       |      |                  |
|   | Outgoings:  |      |       |      |                  |
|   | a) 63A 4P MCCB, 16kA, TM BASED-1 Nos.   |      |       |      |                  |
|   | d) 40A DP MCB-2 Nos.  |      |       |      |                  |
|   | f) 32A 4P MCCB 16kA TM Based Releases with 1.5 kW DOL Starter, Phase Indicating lamps, ON/OFF/TRIP Indication, ON/OFF Push Button-1 Nos.  |      |       |      |                  |
| 1.2   | <b>MAIN PANEL-2</b>   | Nos. | 1.00  |      |                  |
|   | Incomer : 40 AMPS 4P MCCB, 25kA with TM Based O/C & SC Release.   |      |       |      |                  |
|   | Meter & Protection: ELR with CBCT; 40/5A, 15VA, CL-1 CT's -3 Nos. for Schneider make Digital Load Manager (EM 6400 NG)  |      |       |      |                  |
|   | Indication: Phase indicating lamps with 6A MCB  |      |       |      |                  |
|   | Busbar: 75A TPN Cu Busbar   |      |       |      |                  |
|   | Outgoings:  |      |       |      |                  |
|   | a) 32A 4P MCB, 10kA-1 Nos.  |      |       |      |                  |
|   | b) 25A 4P MCB, 10kA-1 Nos.  |      |       |      |                  |
|   | c) 32A DP MCB, 10kA-1 Nos.  |      |       |      |                  |
|   | d) 40A DP MCB, 10kA-1 Nos.  |      |       |      |                  |
| 2.0   | <b>SWITCHGEARS &amp; DISTRIBUTION BOARD</b>   |      |       |      |                  |
|   | Supplying & installing at site in positioning, connecting, testing and commissioning of the following type Distribution Boards & Switchgears. (IP-43) ACRY DB   |      |       |      |                  |
|   | Provide insulated dedicated earth link for UPS DB   |      |       |      |                  |
|   | All MCB's for UPS shall be D Curve, C Curve for Power & B Curve for Lighting.   |      |       |      |                  |
| 2.1   | <b>SWITCHGEARS</b>  |      |       |      |                  |
| 2.1.1   | <b>Supply, installation, testing and commissioning of sheet metal enclosures for the following switchgears.</b>   |      |       |      |                  |
| 2.1.1.a   | 63/40/32/20 amps 4P MCB 'C' TYPE with complete with all mounting accessories – for Indoor Legrand make  | Nos. | 2.00  |      |                  |
| 2.1.1.b   | 63/40/32/20 amps DP MCB 'C' TYPE with complete with all mounting accessories – IP-65  |      | 2.00  |      |                  |
| 2.1.1.c   | 32 amps 4P MCB with 32A 5 Pin Ray Roll Socket complete with all mounting accessories waterproof (IP-65) for Kitchen   | Nos. | 3.00  |      |                  |
| 2.1.1.d   | 25 amps DP MCB with 25A 3 Pin Ray Roll Socket complete with all mounting accessories waterproof (IP-65) for Kitchen   | Nos. | 5.00  |      |                  |
| 2.1.1.d   | 16 amps DP MCB with 15A 3 Pin Ray Roll Socket complete with all mounting accessories waterproof (IP-65) for Kitchen   | Nos. | 5.00  |      |                  |
| 2.1.1.e   | 5/15 amps Switch Socket complete with all mounting accessories waterproof (IP-65) for Kitchen   | Nos. |       |      |                  |
| 2.2   | <b>DISTRIBUTION BOARDS</b>  |      |       |      |                  |
| 2.2.1   | <b>6 WAY SPN DB - UPS DB</b>  | Nos. | 1.00  |      |                  |
|   | Incomer : 20 AMPS DP MCB 10KA : 1 Nos.  |      |       |      |                  |
|   | Outgoings : 6/10/16 A SP MCB "B" Type - 4 Nos.  |      |       |      |                  |
| 2.2.2   | <b>FABRICATED - LPDB</b>  | Nos. | 1.00  |      |                  |
|   | Incomer : 80A, FP, MCB, 10kA: 1 Nos   |      |       |      |                  |
|   | Sub Incomer : 63A, DP, RCCB, 100mA: 3 Nos   |      |       |      |                  |
|   | Outgoings : 10/16/20/25 A SP MCB "C" Type - 36 Nos.   |      |       |      |                  |
|   | Outgoings : 32 A SP MCB "C" Type - 1 Nos.   |      |       |      |                  |
| 2.2.3   | <b>12 WAY SPN DB - UPS DB</b>   | Nos. |       |      |                  |
|   | Incomer : 32 AMPS DP RCBO 100mA   |      |       |      |                  |
|   | Outgoings : 10/16/20 A SP MCB "C" Type - 6 Nos.   |      |       |      |                  |
|   | <b>TOTAL FOR DISTRIBUTION BOARDS</b>  |      |       |      |                  |
| 2.0   | <b>MV CABLES</b>  |      |       |      |                  |
| 2.1   | <b>POWER CABLING</b>  |      |       |      |                  |
|   | Supply and laying, effecting proper connections, testing & commissioning of the following sizes of 1.1 KV XLPE FRLS armoured/ unarmoured PVC insulated PVC sheathed aluminium /copper conductor cables conforming to IS : 1554 and IS 694 for Flexible copper cable Part I - 1976 with latest amendments laid over MS supports in existing RCC ducts/ laid in ground /laid on Cable Trays including clamping the cables to supports in an approved manner as required complete with all accessories.All cables shall have thermo setting insulation XLPE and low emission of smoke and corrosive gas when affected by fire. Necessary Markers shall be provided at the intervals as per the specifications. |      |       |      |                  |
| 2.1.1   | <b>Aluminium cables</b>   |      |       |      |                  |
| a   | 4C x 50 Sq.mm.  | Mtr. | 15.00 |      |                  |
| b   | 3.5C x 35 Sq.mm.  | Mtr. |       |      |                  |
| c   | 4C x 25 Sq.mm.  | Mtr. |       |      |                  |
| 2.1.2   | <b>- do - but for copper cables</b>   |      |       |      |                  |
| a   | 4C x 25 Sq.mm.  | Mtr. |       |      |                  |
| b   | 4C x 16 Sq.mm.  | Mtr. |       |      |                  |
| c   | 4C x 10 Sq.mm.  | Mtr. | 20.00 |      |                  |
| d   | 4C x 6 Sq.mm.   | Mtr. |       |      |                  |
| e   | 4C x 4 Sq.mm.   | Mtr. |       |      |                  |
| f   | 4C x 2.5 Sq.mm.   | Mtr. |       |      |                  |
| g   | 3C x 6 Sq.mm.   | Mtr. |       |      |                  |
| h   | 3C x 4 Sq.mm.   | Mtr. |       |      |                  |
| i   | 3C x 2.5 Sq.mm.   | Mtr. |       |      |                  |
| 2.1.3   | <b>CU Flexible Cables</b>   |      |       |      |                  |
| a   | 4C x 6 Sq.mm.   | Mtr. |       |      |                  |
| b   | 4C x 4 Sq.mm.   | Mtr. |       |      |                  |
| c   | 3C x 4 Sq.mm.   | Mtr. |       |      |                  |
| d   | 3C x 2.5 Sq.mm.   | Mtr. |       |      |                  |
| e   | 2C x 2.5 Sq.mm. for Earthing  | Mtr. |       |      |                  |
| 2.1.4   | <b>- do - but for copper flexible cables</b>  |      |       |      |                  |
| a   | 1c x 4 Sq.mm PVC insulated PVC flexible copper conductor cables alongwith termination (GREEN COLOUR)  | Mtr. |       |      |                  |
|   | <b>TOTAL FOR POWER CABLES</b>   |      |       |      |                  |

| SR. NO. | DESCRIPTION  | UNIT | QTY   | RATE | TOTAL BOQ AMOUNT |
|---------|--|------|-------|------|------------------|
| 2.2     | <b>CABLE TERMINATION</b>   |      |       |      | -                |
|         | Making cable and terminations including brass single compression glands and crimping type copper lugs for cable sizes mentioned below for aluminium or copper.   |      |       |      | -                |
| a       | 4C x 50 Sq.mm. AL  | Nos. | 1.00  |      | -                |
| b       | 3.5C x 35 Sq.mm.   | Nos. | 1.00  |      | -                |
| c       | 4C x 25 Sq.mm.   | Nos. | 1.00  |      | -                |
| d       | 4C x 16 Sq.mm. CU  | Nos. |       |      | -                |
| e       | 4C x 10 Sq.mm.   | Nos. |       |      | -                |
| f       | 4C x 6 Sq.mm.  | Nos. |       |      | -                |
| g       | 4C x 4 Sq.mm.  | Nos. |       |      | -                |
| h       | 4C x 2.5 Sq.mm.  | Nos. |       |      | -                |
| i       | 3C x 6 Sq.mm.  | Nos. |       |      | -                |
| i       | 3C x 4 Sq.mm.  | Nos. |       |      | -                |
| k       | 3C x 2.5 Sq.mm.  | Nos. |       |      | -                |
| l       | Flexible cable   |      |       |      | -                |
| m       | 4C x 6 Sq.mm.  | Nos. |       |      | -                |
| n       | 4C x 4 Sq.mm.  | Nos. |       |      | -                |
| o       | 3C x 4 Sq.mm.  | Nos. |       |      | -                |
| p       | 3C x 2.5 Sq.mm. (Lighting)   | Nos. |       |      | -                |
| q       | 2C x 2.5 Sq.mm.  | Nos. |       |      | -                |
|         | <b>TOTAL FOR POWER CABLE TERMINATION</b>   |      |       |      | -                |
| 3.0     | <b>RACEWAYS AND CABLE TRAYS</b>  |      |       |      | -                |
| 3.1     | <b>TRUNKING:</b> Fabricating supplying to site of installation, installation on ceiling/ surface 1.6 mm thick G.I. Trunking of height 50 mm and 2.0 mm thick openable cover, totally enclosed, the joints between two lengths of channels or between channel and junction box shall be joined together with 3 mm thick G.I. coupler plates & Reducers as per requirement. <b>The cost shall including all supporting and fixing accessories with 8/10mm threaded Ros &amp; Clamps etc. including dash fasteners.</b>   |      |       |      | -                |
| a       | 100 mm (wide) x 50 mm (height)   | Mtr. |       |      | -                |
| b       | 50 mm (wide) x 50 mm (height)  | Mtr. | 10.00 |      | -                |
| 3.2     | <b>RACEWAY:</b> Fabricating, supplying to site of installation, installation in the floor before the flooring from 2 mm thick pregalvanised MS CRCA sheet, totally enclosed, height 40 mm . The two lengths of raceways shall be fitted with Collars , 50 mm wide, 3 mm thick. The raceways shall be clamped to the floor slab with GI clamps 3mm thick and shall be screwed to the floor slab. The joint between raceway and junction box will be made with GI cover which will be nut bolted to the Junction box to cover the entire Junction box side walls complete as required etc. all the Raceways sections shall be earthed.   |      |       |      | -                |
| a       | 100 mm (wide) x 40 mm (height)   | Mtr. | 10.00 |      | -                |
| b       | 65 mm (wide) x 40 mm (height)  | Mtr. |       |      | -                |
| 3.3     | <b>JUNCTION BOXES:</b> Fabricating supplying to site of installation, Junction boxes made from 2 mm thick pregalvanised sheet, with 3.0 mm thick pregalvanised cover including providing neoprene gaskets between the cover and the junction box, cadmium plated flat/round head screws, height as per site condition,totally enclosed. Proper cutouts shall be made in the side walls for raceway entry wherever required. The floor junction box shall be all side walls should be welded except top cover and all side walls shall have suitable size of rectangular knock out holes for taking raceways / conduits as required and not a complete cut out. The top cover should be sealed with M Seal to make it dust and water proof complete as required etc.  |      |       |      | -                |
|         | (variation in height may be considered for quoting as floor thickness may vary)  |      |       |      | -                |
| a       | 250 mm x 250 x 60/50 mm (height)   | Mtr. | 5.00  |      | -                |
| b       | 150 mm x 150 x 60/50 mm (height)   | Mtr. | 5.00  |      | -                |
| c       | 100 mm x 150 x 60/50 mm (height)   | Mtr. | 5.00  |      | -                |
| 3.4     | <b>CABLE TRAY:</b> Design manufacture , supply and fixing in position the cable trays of the following sizes for supporting 1.1 KV grade armoured/unarmoured aluminium /copper conductor cables. Fabricate the cable trays from perforated 1.6/2mm thick M.S. CRCA sheet duly galvanised with expansion coupler plates duly galvanised, with bolts, washer and nuts. Knock out holes for cable connections as per approved design. The tray should comply with the specification of NEC (National Electric Codes) and NEMA (National Electric Manufacturers Association). The steel should be as per IS:226 and galvanising as per IS :2629/BS 729/ASTM 123. The rate shall also include for supporting steel , fish plates , fixing accessories , nuts bolts, supporting down rods , dash fastener, cutting the RCC etc. complete as required. (the horizontal and vertical bends, T's should be factory fabricated and the rate should include for the same) |      |       |      | -                |
| a       | 300 mm wide x 50 mm x 2.0 mm thk   | Mtr. |       |      | -                |
| b       | 150 mm wide x 50 mm x 2.0 mm thk   | Mtr. |       |      | -                |
| c       | 100 mm wide x 50 mm x 2.0 mm thk   | Mtr. | 20.00 |      | -                |
| d       | 50 mm wide x 50 mm x 2.0 mm thk  | Mtr. | 10.00 |      | -                |
|         | <b>TOTAL FOR RACEWAYS AND CABLE TRAYS</b>  |      |       |      | -                |
| 4.0     | <b>POINT WIRING</b>  |      |       |      | -                |
|         | Point wiring LENGTH from DB to SB or First Light point control be MCB shall be avg. of 15Mtr. of 3C x 2.5 sq mm FRLS PVC insulated stranded copper conductor wires. For SB to SB the length shall be measured in Mtr.  |      |       |      | -                |
|         | The secondary/Loop point length shall be 10Mtr from Light fixture to light fixture. If secondary point shall be operated from MCB then the length shall be 10 Mtr.   |      |       |      | -                |
|         | All sockets to be checked with a Check Plug socket tester for live-neutral reverse, no earth,neutral fault, live earth reverse, neutral earth reverse.   |      |       |      | -                |
|         | The Circuit No. and DB no. label shall be provided on all UPS ,RAW sockets and switchboards with label printer.  |      |       |      | -                |
|         | The Length shall be paid as per the actual measurements & as per following manner.   |      |       |      | -                |
| 4.1     | Wiring for the Primary light points with 3C x 2.5 Sq.mm FRLS PVC insulated stranded copper conductor wires in GI conduits in F.ceiling/walls/ceiling as direc-ted from Distribution Board to Switch Board including providing 6 amps flush type switches, 5 sided G.I Boxes for housing switc-hes and earth-ing complete as required. Rates shall exclusive of Switches & Switch boxes.  |      |       |      | -                |
| 4.1.1   | From DB to Normal Switch Board   | Mtr. | 15.00 |      | -                |
| 4.1.2   | From DB to Emergency Switch Board  | Mtr. | 20.00 |      | -                |

| SR. NO.    | DESCRIPTION   | UNIT  | QTY    | RATE | TOTAL BOQ AMOUNT |
|------------|---|-------|--------|------|------------------|
| 4.2        | Wiring for the following light points with 3 x 2.5 Sq.mm FRLS PVC insulated stranded copper conductor wires in GI conduits in F.ceiling/walls/ceiling as direc-ted including providing 6 amps flush type switches, 5 sided G.I Boxes for housing swite-hes and earth-ing complete as required from the above switch board. Rates shall exclusive of Switches & Switch Box. (FROM SB TO LIGHT) |       |        |      | -                |
| 4.2.1      | First point controlled by one no. 6 amp switch. (upto 10Mtr.)   | Nos.  | 10.00  |      | -                |
| 4.2.2      | First point controlled by one no. 6 amp switch. (upto 20Mtr.)   | Nos.  |        |      | -                |
| 4.2.3      | First point controlled by one no. 6 amp switch. For Emergency Light (upto 10Mtr.)   | Nos.  | 5.00   |      | -                |
| 4.2.4      | First point controlled by one no. 6 amp switch. For Emergency Light (upto 20Mtr.)   | Nos.  |        |      | -                |
| 4.3        | Same as item No. 4.2.1 & 4.2.2 above but LOOP POINT i.e. wiring of point looped from first point with 3C x 2.5 sq. mm FRLS PVC insulated copper conductor wire in concealed/exposed GI conduit and earthing   | Nos.  | 35.00  |      | -                |
| 4.4        | Same as item No. 4.2.3 & 4.2.4 above but LOOP POINT i.e. wiring of point looped from first point with 3C x 2.5 sq. mm FRLS PVC insulated copper conductor wire in concealed/exposed GI conduit and earthing For Emergency Light   | Nos.  | 20.00  |      | -                |
| 4.5        | Wiring for the following light points controlled by MCB in DB (Cost of MCB has been taken elsewhere in the tender) with 3C x 2.5 sq. mm FRLS PVC insulated copper conductor wires in concealed/exposed GI conduits as called for and earthing.  |       |        |      | -                |
| 4.5.1      | First point controlled by existing MCB in D.B.  | Mtr.  |        |      | -                |
| 4.5.2      | First Emergency point controlled by existing MCB in D.B.  | Mtr.  |        |      | -                |
| 4.6        | Same as item No.4.5.1 above but LOOP POINT i.e. wiring of point looped from first point with 3C x 2.5 sq. mm FRLS. insulated copper conductor wire in concealed/exposed GI conduit and earthing   | Nos.  |        |      | -                |
| 4.7        | Same as item No. 4.5.2 above but LOOP POINT i.e. wiring of point looped from first point with 3C x 2.5 sq. mm FRLS. insulated copper conductor wire in concealed/exposed M.S. conduit and earthing For Emergency Lighting   | Nos.  |        |      | -                |
| 4.8        | Wiring for UPS/Raw plug outlets points with 3C x 4 sqmm FRLS PVC Insulated and PVC sheathed flexible cable with bright annealed electrolytic copper conductor , 1100 volt grade conforming to IS : 694 1990 with latest amendments, in existing Channels/ conduit in ceiling/walls/floor including all cable termination accessories) (including body earth for GI boxes)                     | Mtr.  | 400.00 |      | -                |
| 4.9        | Wiring for UPS/Raw plug outlets points with 4C x 4 sqmm FRLS PVC Insulated and PVC sheathed flexible cable with bright annealed electrolytic copper conductor , 1100 volt grade conforming to IS : 694 1990 with latest amendments, in existing Channels/ conduit in ceiling/walls/floor including all cable termination accessories) (including body earth for GI boxes)                     | Mtr.  |        |      | -                |
| 4.10       | Providing and fixing in position the following GI RIGID conduits including all accessories concealed in F. ceiling/wall/floor as required including pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia. G.I. pull wires in the length of conduit.   |       |        |      | -                |
| 4.10.1     | 20 mm dia GI Conduit  | Mtr.  |        |      | -                |
| 4.10.2     | 25 mm dia GI Conduit  | Mtr.  | 650.00 |      | -                |
| 4.11       | Providing and fixing in position the following GI FLEXIBLE conduits including all accessories concealed in F. ceiling/wall/floor as required including pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia. G.I. pull wires in the length of conduit.  |       |        |      | -                |
| 4.11.1     | 20 mm dia GI Conduit  | Mtr.  |        |      | -                |
| 4.11.2     | 25 mm dia GI Conduit  | Mtr.  | 150.00 |      | -                |
| 4.12       | Supply & Laying of 2Cx2.5 Sq.mm FRLS Cu Flexible Cable in 25mm dia. GI Conduit for CCTV   | Mtr.  | 70.00  |      | -                |
|            | <b>TOTAL FOR POINT WIRING</b>   |       |        |      | -                |
| <b>5.0</b> | <b>MODULAR SWITCHES</b>   |       |        |      | -                |
| 5.1        | Supply, installation, testing & commissioning of following types of modular switches, cover plates, 5 sided G.I. Boxes for housing the modular switches & earthing complete as required. GI Boxes to have earth pin for body earthing. The Circuit No. and DB no. label shall be provided on all UPS ,RAW sockets and switchboards with label printer.(Make- Legrand Aretor Series)           |       |        |      | -                |
| 5.1.1      | 6A One Way Switch   | Nos.  | 10.00  |      | -                |
| 5.1.2      | 6A 5 pin Socket - 1Nos. & 6A Switch - 1Nos.   | Nos.  | 15.00  |      | -                |
| 5.1.3      | 6/16A Socket outlet - 1Nos. & 16A Switch - 1Nos.(Raw/UPS Power)   | Nos.  | 15.00  |      | -                |
| 5.1.4      | 5/15 amps Switch Socket complete with all mounting accessories waterproof (IP-65) for Kitchen   | Nos.  | 5.00   |      | -                |
| 5.1.5      | 20 Amp 1-Ph Industrial Socket (Metal Clad)  | Nos.  | 10.00  |      | -                |
| 5.1.5      | 32 Amp 3- Ph Industrial Socket (Metal Clad)   | Nos.  | 2.00   |      | -                |
| 5.1.6      | 20 Amp 1- Ph Electrical Outlet  | Nos.  | 3.00   |      | -                |
| 5.1.7      | Data Outlet (RJ-45)   | Nos.  | 7.00   |      | -                |
| 5.1.8      | Telephone Outlet (RJ-11)  | Nos.  | 1.00   |      | -                |
|            | <b>TOTAL FOR MODULAR SWITCHES</b>   |       |        |      | -                |
| <b>6.0</b> | <b>GENERAL EARTHING</b>   |       |        |      | -                |
| 6.1        | Supplying and erecting following GI strip used for earthing on wall with necessary MS clamps fixed on wall/Cable trays/Hume pipes etc. The joints shall be Bolted/Welded. The joints shall be painted with bituminous paint in an approved manner.  |       |        |      | -                |
| 6.1.1      | 25 x 3 mm   | Mtr.  |        |      | -                |
| 6.2        | Supplying and erecting bare Copper conductor of following sizes   |       |        |      | -                |
| 6.2.1      | 8 SWG   | RMtr. | 80.00  |      | -                |
|            | <b>TOTAL FOR GENERAL EARTHING</b>   |       |        |      | -                |
| <b>7.0</b> | <b>LIGHT FIXTURES INSTALLATION</b>  |       |        |      | -                |
| 7.1        | Receiving from Store, Installation, testing & commissioning of following light fixtures with complete installation hardwares including Anchor fastner, supporting Hook/Rods as per final approval from Architect/Client/Consultant  |       |        |      | -                |
| 7.1.1      | ROUND CEILING LIGHT   | Nos.  | 15.00  |      | -                |
| 7.1.2      | PENDENT LIGHT   | Nos.  |        |      | -                |
| 7.1.3      | HANGING LIGHT   | Nos.  |        |      | -                |
| 7.1.4      | TRACK LIGHT   | Nos.  |        |      | -                |
| 7.1.6      | LED STRIP (15 M)  | Mtr.  |        |      | -                |
| 7.1.7      | WALL LIGHT  | Nos.  |        |      | -                |
| <b>8.0</b> | <b>MISCELLANEOUS WORKS</b>  |       |        |      | -                |
| 8.1        | Supply & fixing in position approved shock treatment chart written in English, Hindi and Local language. These charts shall be framed in wooden frame & covered with clear glass.   | Nos.  | 1.00   |      | -                |

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|---------|---|----------------|--------|------|------------------|
| 8.2     | Supply & fixing in position the best quality danger notice boards of approved shape & size as reqd. by the local Electrical Inspecting Authority written in English, Hindi & local language.  | Nos.           | 1.00   |      | -                |
| 8.3     | The contractor to submit all the <b>AS BUILT DRAWINGS</b> after the completion of the project for Electrical & ELV Services executed at site.   | Part of Tender |        |      | -                |
| 8.0     | <b>CCTV System</b>  |                |        |      |                  |
| 8.1     | Supply Installation, testing & commissioning of Indoor type Analogue Dome Camera with 1/2" 2 Mega Pixel, integrated 4/6mm Fixed lens, Full HD high definition, Inbuilt Smart IR LED upto 10m distance, 0.02 lux color/0 lux with IR LEDs on, H.264, H.265 high profile, True Day/Night, . & 12VDC operated, ONVIF compliant, with Junction box & required accessories.  | Nos.           | 8.00   |      | -                |
| 8.2     | Supply, installation, testing & commissioning of 16 Channel Licence Server & hardware based Digital Video Recorder (DVR) with 3 Client licence, Embedded OS & per-loaded video recording software, Minimum 256 Mbps incoming bandwidth and 256 Mbps outgoing bandwidth, 1x 1000Mbps Ports, ONVIF, H.265 high profile, 2 x HDMI & VGA output for monitor, Upto 40TB storage capacity, minimum 4 SATA Interfaces, upto 10TB capacity for each SATA, including 20TB Storage HDD (Hard Disk) @ recording resolution of 25fps @ 1080P and H.265 for 30 days, including required accessories, Vendor to submit Bandwidth & Storage calculation sheet. | Nos            | 1.00   |      | -                |
| 8.3     | Supply, laying, testing of RG 6 Cable for CCTV.   | Mrt            | 450.00 |      | -                |
| 8.4     | Supply, laying, testing (for continuity) of 23 AWG Copper, Cat 6 UTP Cable, Data & Wi-Fi points including end termination, dressing, bunching of cables with identification ferruling.  | Mrt            | 500.00 |      | -                |