

TS Register No: 2096/2019-2020

AS Register No:2196/2019-2020

**UP GRADATION OF GOVT ITI ETTUMANOOR ON PAR WITH INTERNATIONAL  
STANDARDS- Electrical,Elv & Fire Fighting Works-PHASE 1 - REV 2**

Detailed Estimate

(Dsor year: 2016, Cost Index Applied for this estimate is 37.93%)

| SI No                                   | Description   | No | L       | B | D | CF | Quantity                              | Remark             |
|---|---|----|---------|---|---|----|---------------------------------------|--------------------|
| <b>1 MAIN BUILDING ELECTRICAL WORKS</b> |   |    |         |   |   |    |                                       |                    |
| 1                                       | od241817/2019_2020<br>Supply of 25 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE |    |         |   |   |    |                                       |                    |
|   | LGF   | 1  | 107.000 |   |   |    | 107.000                               |                    |
|   | UGF   | 1  | 55.700  |   |   |    | 55.700                                |                    |
|   | FF  | 1  | 52.500  |   |   |    | 52.500                                |                    |
|   |   |    |         |   |   |    | Total Quantity                        | 215.200 metre      |
|   |   |    |         |   |   |    | Total Deducted Quantity               | 0.000 metre        |
|   |   |    |         |   |   |    | Net Total Quantity                    | 215.200 metre      |
|   |   |    |         |   |   |    | Say 215.200 metre @ Rs 238.00 / metre | <b>Rs 51217.60</b> |
| 2                                       | od252160/2019_2020<br>Supply of 10 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE |    |         |   |   |    |                                       |                    |
|   |   | 1  | 131.000 |   |   |    | 131.000                               |                    |
|   |   |    |         |   |   |    | Total Quantity                        | 131.000 metre      |
|   |   |    |         |   |   |    | Total Deducted Quantity               | 0.000 metre        |
|   |   |    |         |   |   |    | Net Total Quantity                    | 131.000 metre      |
|   |   |    |         |   |   |    | Say 131.000 metre @ Rs 118.00 / metre | <b>Rs 15458.00</b> |
| 3                                       | od241850/2019_2020<br>Supply of 1R x 3.5C x 70 Sq.mm AYFY cable   |    |         |   |   |    |                                       |                    |
|   | From OH to SSB 2  | 1  | 65.000  |   |   |    | 65.000                                |                    |
|   |   |    |         |   |   |    | Total Quantity                        | 65.000 metre       |
|   |   |    |         |   |   |    | Total Deducted Quantity               | 0.000 metre        |
|   |   |    |         |   |   |    | Net Total Quantity                    | 65.000 metre       |
|   |   |    |         |   |   |    | Say 65.000 metre @ Rs 424.00 / metre  | <b>Rs 27560.00</b> |
| 4                                       | od252268/2019_2020<br>Supply of 6 sqmm 3 core PVC/ XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE |    |         |   |   |    |                                       |                    |

|   |  |   |        |  |  |  |                   |  |  |
|---|--|---|--------|--|--|--|-------------------|--|--|
|   |  | 1 | 44.000 |  |  |  | 44.000            |  |  |
|   | Total Quantity   |   |        |  |  |  | 44.000 metre      |  |  |
|   | Total Deducted Quantity  |   |        |  |  |  | 0.000 metre       |  |  |
|   | Net Total Quantity   |   |        |  |  |  | 44.000 metre      |  |  |
|   | Say 44.000 metre @ Rs 98.00 / metre  |   |        |  |  |  | <b>Rs 4312.00</b> |  |  |
| 5 | 9.1.32<br>Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)    |   |        |  |  |  |                   |  |  |
|   | LGF  | 6 |        |  |  |  | 6.000             |  |  |
|   | UGF  | 6 |        |  |  |  | 6.000             |  |  |
|   | FF   | 6 |        |  |  |  | 6.000             |  |  |
|   | Total Quantity   |   |        |  |  |  | 18.000 set        |  |  |
|   | Total Deducted Quantity  |   |        |  |  |  | 0.000 set         |  |  |
|   | Net Total Quantity   |   |        |  |  |  | 18.000 set        |  |  |
|   | Say 18.000 set @ Rs 280.00 / set   |   |        |  |  |  | <b>Rs 5040.00</b> |  |  |
| 6 | 9.1.23<br>Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 70 sq. mm (38mm) |   |        |  |  |  |                   |  |  |
|   |  | 2 |        |  |  |  | 2.000             |  |  |
|   | Total Quantity   |   |        |  |  |  | 2.000 set         |  |  |
|   | Total Deducted Quantity  |   |        |  |  |  | 0.000 set         |  |  |
|   | Net Total Quantity   |   |        |  |  |  | 2.000 set         |  |  |
|   | Say 2.000 set @ Rs 543.44 / set  |   |        |  |  |  | <b>Rs 1086.88</b> |  |  |
| 7 | 7.7.1<br>Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on wall surface as required.Upto 35 sq. mm (clamped with 1mm thick saddle)                                   |   |        |  |  |  |                   |  |  |
|   | SSB2 TO VDB1 LGF (4CX25)   | 1 | 3.000  |  |  |  | 3.000             |  |  |
|   | SSB2 TO VDB2 LGF (4CX25)   | 1 | 15.000 |  |  |  | 15.000            |  |  |
|   | SSB2 TO VDB UPS (4CX25)  | 1 | 2.000  |  |  |  | 2.000             |  |  |
|   | SSB2 TO VDB3 UGF (4CX25)   | 1 | 2.000  |  |  |  | 2.000             |  |  |

|   |   |   |         |  |  |  |                                      |                    |
|---|---|---|---------|--|--|--|--------------------------------------|--------------------|
|   | SSB2 TO VDB4 FF<br>(4CX25)  | 1 | 2.000   |  |  |  | 2.000                                |                    |
|   | VDB1 LGF TO DB1<br>LGF (4CX10)  | 1 | 3.000   |  |  |  | 3.000                                |                    |
|   | VDB1 LGF TO DB2<br>LGF (4CX10)  | 1 | 24.000  |  |  |  | 24.000                               |                    |
|   | VDB3 UGF TO DB1<br>UGF (4CX10)  | 1 | 24.000  |  |  |  | 24.000                               |                    |
|   | VDB3 UGF TO DB2<br>UGF (4CX10)  | 1 | 3.000   |  |  |  | 3.000                                |                    |
|   | VDB4 FF TO DB1 FF<br>(4CX10)  | 1 | 24.000  |  |  |  | 24.000                               |                    |
|   | VDB4 FF TO DB2 FF<br>(4CX10)  | 1 | 3.000   |  |  |  | 3.000                                |                    |
|   | VDB UPS TO UPS DB<br>1 (4CX10)  | 1 | 3.000   |  |  |  | 3.000                                |                    |
|   | VDB UPS TO UPS DB<br>2 (4CX10)  | 1 | 2.000   |  |  |  | 2.000                                |                    |
|   | VDB UPS TO UPS DB<br>3 (4CX10)  | 1 | 2.000   |  |  |  | 2.000                                |                    |
|   | SSB2 TO TERRACE<br>PUMP (3CX6)  | 1 | 5.000   |  |  |  | 5.000                                |                    |
|   |   |   |         |  |  |  | Total Quantity                       | 117.000 metre      |
|   |   |   |         |  |  |  | Total Deducted Quantity              | 0.000 metre        |
|   |   |   |         |  |  |  | Net Total Quantity                   | 117.000 metre      |
|   |   |   |         |  |  |  | Say 117.000 metre @ Rs 34.48 / metre | <b>Rs 4034.16</b>  |
| 8 | 1.21.2<br>Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/<br>recess including cutting the wall and making good the same in case of recessed conduit as required.25<br>mm |   |         |  |  |  |                                      |                    |
|   |   | 1 | 125.000 |  |  |  | 125.000                              |                    |
|   |   |   |         |  |  |  | Total Quantity                       | 125.000 metre      |
|   |   |   |         |  |  |  | Total Deducted Quantity              | 0.000 metre        |
|   |   |   |         |  |  |  | Net Total Quantity                   | 125.000 metre      |
|   |   |   |         |  |  |  | Say 125.000 metre @ Rs 95.17 / metre | <b>Rs 11896.25</b> |
| 9 | 1.21.3<br>Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/<br>recess including cutting the wall and making good the same in case of recessed conduit as required.32       |   |         |  |  |  |                                      |                    |

|    |  |                                      |        |  |  |  |                   |  |
|----|--|--------------------------------------|--------|--|--|--|-------------------|--|
|    | mm   |                                      |        |  |  |  |                   |  |
|    |  | 1                                    | 25.000 |  |  |  | 25.000            |  |
|    |  | Total Quantity                       |        |  |  |  | 25.000 metre      |  |
|    |  | Total Deducted Quantity              |        |  |  |  | 0.000 metre       |  |
|    |  | Net Total Quantity                   |        |  |  |  | 25.000 metre      |  |
|    |  | Say 25.000 metre @ Rs 122.76 / metre |        |  |  |  | <b>Rs 3069.00</b> |  |
| 10 | 7.8.1<br>Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on cable tray as required.Upto 35 sq. mm (clamped with 1mm thick saddle)                           |                                      |        |  |  |  |                   |  |
|    | SSB2 TO VDB1 LGF (4CX25)   | 1                                    | 47.500 |  |  |  | 47.500            |  |
|    | SSB2 TO VDB2 LGF (4CX25)   | 1                                    | 35.500 |  |  |  | 35.500            |  |
|    | SSB2 TO VDB3 UGF (4CX25)   | 1                                    | 19.000 |  |  |  | 19.000            |  |
|    | SSB2 TO VDB4 FF (4CX25)  | 1                                    | 48.000 |  |  |  | 48.000            |  |
|    | SSB2 VDB UPS (4CX25)   | 1                                    | 30.000 |  |  |  | 30.000            |  |
|    | VDB UPS TO UPS DB1 (4CX10)   | 1                                    | 14.500 |  |  |  | 14.500            |  |
|    | VDB UPS TO UPS DB2 (4CX10)   | 1                                    | 9.000  |  |  |  | 9.000             |  |
|    | VDB UPS TO UPS DB3 (4CX10)   | 1                                    | 13.000 |  |  |  | 13.000            |  |
|    | SSB2 TO TERRACE PUMP (3CX6)  | 1                                    | 39.000 |  |  |  | 39.000            |  |
|    |  | Total Quantity                       |        |  |  |  | 255.500 metre     |  |
|    |  | Total Deducted Quantity              |        |  |  |  | 0.000 metre       |  |
|    |  | Net Total Quantity                   |        |  |  |  | 255.500 metre     |  |
|    |  | Say 255.500 metre @ Rs 28.97 / metre |        |  |  |  | <b>Rs 7401.84</b> |  |
| 11 | 7.7.2<br>Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on wall surface as required.Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp) |                                      |        |  |  |  |                   |  |
|    | OH TO SSB2   | 1                                    | 3.500  |  |  |  | 3.500             |  |
|    |  | Total Quantity                       |        |  |  |  | 3.500 metre       |  |

|    |  |                                    |  |  |  |  |                    |  |
|----|--|------------------------------------|--|--|--|--|--------------------|--|
|    |  | Total Deducted Quantity            |  |  |  |  | 0.000 metre        |  |
|    |  | Net Total Quantity                 |  |  |  |  | 3.500 metre        |  |
|    |  | Say 3.500 metre @ Rs 99.31 / metre |  |  |  |  | <b>Rs 347.59</b>   |  |
| 12 | <p>90.11.1.11<br/>Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 6 way (8+18) - three phase double cover (IP 42/43)</p>   |                                    |  |  |  |  |                    |  |
|    | LGF  | 1                                  |  |  |  |  | 1.000              |  |
|    | GF   | 1                                  |  |  |  |  | 1.000              |  |
|    | 1F   | 1                                  |  |  |  |  | 1.000              |  |
|    |  | Total Quantity                     |  |  |  |  | 3.000 each         |  |
|    |  | Total Deducted Quantity            |  |  |  |  | 0.000 each         |  |
|    |  | Net Total Quantity                 |  |  |  |  | 3.000 each         |  |
|    |  | Say 3.000 each @ Rs 4424.72 / each |  |  |  |  | <b>Rs 13274.16</b> |  |
| 13 | <p>90.11.1.14<br/>Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 4 way (8+12) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)</p> |                                    |  |  |  |  |                    |  |
|    | LGF  | 1                                  |  |  |  |  | 1.000              |  |
|    | GF   | 2                                  |  |  |  |  | 2.000              |  |
|    | 1F   | 1                                  |  |  |  |  | 1.000              |  |
|    |  | Total Quantity                     |  |  |  |  | 4.000 each         |  |
|    |  | Total Deducted Quantity            |  |  |  |  | 0.000 each         |  |
|    |  | Net Total Quantity                 |  |  |  |  | 4.000 each         |  |
|    |  | Say 4.000 each @ Rs 6475.72 / each |  |  |  |  | <b>Rs 25902.88</b> |  |
| 14 | <p>90.11.1.16<br/>Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 8 way (8+18) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)</p> |                                    |  |  |  |  |                    |  |
|    | LGF  | 1                                  |  |  |  |  | 1.000              |  |



|    |  |     |        |  |  |  |         |                    |
|----|--|-----|--------|--|--|--|---------|--------------------|
|    | Say 35.000 metre @ Rs 820.68 / metre   |     |        |  |  |  |         | <b>Rs 28723.80</b> |
| 19 | od241862/2019_2020<br>Supply and laying of one number of 10 SWG Copper wire on wall/ surface/ recessed conduit etc.  |     |        |  |  |  |         |                    |
|    |  | 150 |        |  |  |  | 150.000 |                    |
|    | Total Quantity   |     |        |  |  |  |         | 150.000 metre      |
|    | Total Deducted Quantity  |     |        |  |  |  |         | 0.000 metre        |
|    | Net Total Quantity   |     |        |  |  |  |         | 150.000 metre      |
|    | Say 150.000 metre @ Rs 57.52 / metre   |     |        |  |  |  |         | <b>Rs 8628.00</b>  |
| 20 | 4.1.4<br>Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 300 mm width X 50 mm depth X 1.6 mm thickness |     |        |  |  |  |         |                    |
|    |  | 1   | 35.000 |  |  |  | 35.000  |                    |
|    | Total Quantity   |     |        |  |  |  |         | 35.000 metre       |
|    | Total Deducted Quantity  |     |        |  |  |  |         | 0.000 metre        |
|    | Net Total Quantity   |     |        |  |  |  |         | 35.000 metre       |
|    | Say 35.000 metre @ Rs 725.51 / metre   |     |        |  |  |  |         | <b>Rs 25392.85</b> |
| 21 | 4.1.1<br>Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 100 mm width X 50 mm depth X 1.6 mm thickness |     |        |  |  |  |         |                    |
|    | LGF  | 1   | 21.000 |  |  |  | 21.000  |                    |
|    | UGF  | 1   | 21.000 |  |  |  | 21.000  |                    |
|    | FF   | 1   | 21.000 |  |  |  | 21.000  |                    |
|    | Total Quantity   |     |        |  |  |  |         | 63.000 metre       |
|    | Total Deducted Quantity  |     |        |  |  |  |         | 0.000 metre        |
|    | Net Total Quantity   |     |        |  |  |  |         | 63.000 metre       |
|    | Say 63.000 metre @ Rs 480.00 / metre   |     |        |  |  |  |         | <b>Rs 30240.00</b> |
| 22 | 4.2.1<br>Supplying and installing following size of perforated pre-painted M.S. cable trays bends with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 100 mm width X 50 mm depth X 1.6 mm thickness                   |     |        |  |  |  |         |                    |
|    | LGF  | 1   |        |  |  |  | 1.000   |                    |
|    | UGF  | 1   |        |  |  |  | 1.000   |                    |

|    |   |    |  |  |  |  |                    |  |
|----|---|----|--|--|--|--|--------------------|--|
|    | FF  | 1  |  |  |  |  | 1.000              |  |
|    | Total Quantity  |    |  |  |  |  | 3.000 no           |  |
|    | Total Deducted Quantity   |    |  |  |  |  | 0.000 no           |  |
|    | Net Total Quantity  |    |  |  |  |  | 3.000 no           |  |
|    | Say 3.000 no @ Rs 833.10 / no   |    |  |  |  |  | <b>Rs 2499.30</b>  |  |
| 23 | 4.2.4<br>Supplying and installing following size of perforated pre-painted M.S. cable trays bends with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 300 mm width X 50 mm depth X 1.6 mm thickness    |    |  |  |  |  |                    |  |
|    | LGF   | 2  |  |  |  |  | 2.000              |  |
|    | Total Quantity  |    |  |  |  |  | 2.000 no           |  |
|    | Total Deducted Quantity   |    |  |  |  |  | 0.000 no           |  |
|    | Net Total Quantity  |    |  |  |  |  | 2.000 no           |  |
|    | Say 2.000 no @ Rs 1411.02 / no  |    |  |  |  |  | <b>Rs 2822.04</b>  |  |
| 24 | 4.3.4<br>Supplying and installing following size of perforated pre-painted M.S. cable trays reducers with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 300 mm width X 50 mm depth X 1.6 mm thickness |    |  |  |  |  |                    |  |
|    | LGF   | 1  |  |  |  |  | 1.000              |  |
|    | Total Quantity  |    |  |  |  |  | 1.000 no           |  |
|    | Total Deducted Quantity   |    |  |  |  |  | 0.000 no           |  |
|    | Net Total Quantity  |    |  |  |  |  | 1.000 no           |  |
|    | Say 1.000 no @ Rs 1635.85 / no  |    |  |  |  |  | <b>Rs 1635.85</b>  |  |
| 25 | 2.10.4<br>Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole   |    |  |  |  |  |                    |  |
|    | LGF   | 12 |  |  |  |  | 12.000             |  |
|    | UGF   | 8  |  |  |  |  | 8.000              |  |
|    | FF  | 4  |  |  |  |  | 4.000              |  |
|    | Total Quantity  |    |  |  |  |  | 24.000 each        |  |
|    | Total Deducted Quantity   |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |    |  |  |  |  | 24.000 each        |  |
|    | Say 24.000 each @ Rs 965.51 / each  |    |  |  |  |  | <b>Rs 23172.24</b> |  |
| 26 | 2.13.1<br>Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with  |    |  |  |  |  |                    |  |

|    |   |   |        |  |  |  |                   |  |
|----|---|---|--------|--|--|--|-------------------|--|
|    | connections, testing and commissioning etc. as required.40 amps   |   |        |  |  |  |                   |  |
|    | LGF   | 3 |        |  |  |  | 3.000             |  |
|    | UGF   | 3 |        |  |  |  | 3.000             |  |
|    | FF  | 3 |        |  |  |  | 3.000             |  |
|    | Total Quantity  |   |        |  |  |  | 9.000 each        |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each        |  |
|    | Net Total Quantity  |   |        |  |  |  | 9.000 each        |  |
|    | Say 9.000 each @ Rs 919.99 / each   |   |        |  |  |  | <b>Rs 8279.91</b> |  |
| 27 | 2.13.2<br>Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps  |   |        |  |  |  |                   |  |
|    | LGF   | 1 |        |  |  |  | 1.000             |  |
|    | UGF   | 2 |        |  |  |  | 2.000             |  |
|    | FF  | 1 |        |  |  |  | 1.000             |  |
|    | Total Quantity  |   |        |  |  |  | 4.000 each        |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each        |  |
|    | Net Total Quantity  |   |        |  |  |  | 4.000 each        |  |
|    | Say 4.000 each @ Rs 935.17 / each   |   |        |  |  |  | <b>Rs 3740.68</b> |  |
| 28 | 2.13.3<br>Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.100 amps   |   |        |  |  |  |                   |  |
|    | LGF   | 1 |        |  |  |  | 1.000             |  |
|    | Total Quantity  |   |        |  |  |  | 1.000 each        |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each        |  |
|    | Net Total Quantity  |   |        |  |  |  | 1.000 each        |  |
|    | Say 1.000 each @ Rs 1184.82 / each  |   |        |  |  |  | <b>Rs 1184.82</b> |  |
| 29 | 4.1.3<br>Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.225 mm width X 50 mm depth X 1.6 mm thickness |   |        |  |  |  |                   |  |
|    | Electrical Duct   | 1 | 15.000 |  |  |  | 15.000            |  |
|    | Total Quantity  |   |        |  |  |  | 15.000 metre      |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 metre       |  |
|    | Net Total Quantity  |   |        |  |  |  | 15.000 metre      |  |

|    |  |    |  |  |  |  |                    |  |
|----|--|----|--|--|--|--|--------------------|--|
|    | Say 15.000 metre @ Rs 634.48 / metre   |    |  |  |  |  | <b>Rs 9517.20</b>  |  |
| 30 | 90.11.1.12<br>Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 8 way (8+24) - three phase double cover (IP 42/43) |    |  |  |  |  |                    |  |
|    | LGF  | 2  |  |  |  |  | 2.000              |  |
|    | GF   | 2  |  |  |  |  | 2.000              |  |
|    | 1F   | 2  |  |  |  |  | 2.000              |  |
|    | Total Quantity   |    |  |  |  |  | 6.000 each         |  |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |    |  |  |  |  | 6.000 each         |  |
|    | Say 6.000 each @ Rs 4737.72 / each   |    |  |  |  |  | <b>Rs 28426.32</b> |  |
| 31 | 2.15.2<br>Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps  |    |  |  |  |  |                    |  |
|    | LGF  | 3  |  |  |  |  | 3.000              |  |
|    | UGF  | 3  |  |  |  |  | 3.000              |  |
|    | FF   | 3  |  |  |  |  | 3.000              |  |
|    | Total Quantity   |    |  |  |  |  | 9.000 each         |  |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |    |  |  |  |  | 9.000 each         |  |
|    | Say 9.000 each @ Rs 2939.29 / each   |    |  |  |  |  | <b>Rs 26453.61</b> |  |
| 32 | 2.10.1<br>Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole  |    |  |  |  |  |                    |  |
|    | LGF  | 66 |  |  |  |  | 66.000             |  |
|    | UGF  | 66 |  |  |  |  | 66.000             |  |
|    | FF   | 66 |  |  |  |  | 66.000             |  |
|    | GATE DB  | 12 |  |  |  |  | 12.000             |  |
|    | Total Quantity   |    |  |  |  |  | 210.000 each       |  |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |    |  |  |  |  | 210.000 each       |  |

|    |  |     |         |  |  |  |                     |  |
|----|--|-----|---------|--|--|--|---------------------|--|
|    | Say 210.000 each @ Rs 238.62 / each  |     |         |  |  |  | <b>Rs 50110.20</b>  |  |
| 33 | 1.14.1<br>Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire       |     |         |  |  |  |                     |  |
|    | LGF  | 400 |         |  |  |  | 400.000             |  |
|    | GF   | 450 |         |  |  |  | 450.000             |  |
|    | 1F   | 450 |         |  |  |  | 450.000             |  |
|    | TF   | 60  |         |  |  |  | 60.000              |  |
|    | Total Quantity   |     |         |  |  |  | 1360.000 metre      |  |
|    | Total Deducted Quantity  |     |         |  |  |  | 0.000 metre         |  |
|    | Net Total Quantity   |     |         |  |  |  | 1360.000 metre      |  |
|    | Say 1360.000 metre @ Rs 154.48 / metre   |     |         |  |  |  | <b>Rs 210092.80</b> |  |
| 34 | 1.14.2<br>Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire  |     |         |  |  |  |                     |  |
|    | LGF  | 320 |         |  |  |  | 320.000             |  |
|    | GF   | 320 |         |  |  |  | 320.000             |  |
|    | 1F   | 320 |         |  |  |  | 320.000             |  |
|    | Total Quantity   |     |         |  |  |  | 960.000 metre       |  |
|    | Total Deducted Quantity  |     |         |  |  |  | 0.000 metre         |  |
|    | Net Total Quantity   |     |         |  |  |  | 960.000 metre       |  |
|    | Say 960.000 metre @ Rs 188.96 / metre  |     |         |  |  |  | <b>Rs 181401.60</b> |  |
| 35 | 1.14.7<br>Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire |     |         |  |  |  |                     |  |
|    | LGF  | 1   | 120.000 |  |  |  | 120.000             |  |
|    | Total Quantity   |     |         |  |  |  | 120.000 metre       |  |
|    | Total Deducted Quantity  |     |         |  |  |  | 0.000 metre         |  |
|    | Net Total Quantity   |     |         |  |  |  | 120.000 metre       |  |
|    | Say 120.000 metre @ Rs 296.55 / metre  |     |         |  |  |  | <b>Rs 35586.00</b>  |  |
| 36 | 1.55.3<br>Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point ( without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in  |     |         |  |  |  |                     |  |

|    |  |    |  |  |  |  |                     |
|----|--|----|--|--|--|--|---------------------|
|    | surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.Group C   |    |  |  |  |  |                     |
|    | LGF  | 19 |  |  |  |  | 19.000              |
|    | UGF  | 22 |  |  |  |  | 22.000              |
|    | FF   | 21 |  |  |  |  | 21.000              |
|    | TF   | 4  |  |  |  |  | 4.000               |
|    | Total Quantity   |    |  |  |  |  | 66.000 point        |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 point         |
|    | Net Total Quantity   |    |  |  |  |  | 66.000 point        |
|    | Say 66.000 point @ Rs 572.41 / point   |    |  |  |  |  | <b>Rs 37779.06</b>  |
| 37 | 1.10.3<br>Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVCinsulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required.Group C |    |  |  |  |  |                     |
|    | LGF  | 70 |  |  |  |  | 70.000              |
|    | GF   | 70 |  |  |  |  | 70.000              |
|    | 1F   | 69 |  |  |  |  | 69.000              |
|    | TF   | 4  |  |  |  |  | 4.000               |
|    | Total Quantity   |    |  |  |  |  | 213.000 point       |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 point         |
|    | Net Total Quantity   |    |  |  |  |  | 213.000 point       |
|    | Say 213.000 point @ Rs 1044.13 / point   |    |  |  |  |  | <b>Rs 222399.69</b> |
| 38 | 1.11<br>Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.  |    |  |  |  |  |                     |
|    | LGF  | 6  |  |  |  |  | 6.000               |
|    | GF   | 19 |  |  |  |  | 19.000              |
|    | 1F   | 7  |  |  |  |  | 7.000               |
|    | TF   | 3  |  |  |  |  | 3.000               |
|    | Total Quantity   |    |  |  |  |  | 35.000 point        |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 point         |
|    | Net Total Quantity   |    |  |  |  |  | 35.000 point        |
|    | Say 35.000 point @ Rs 1115.85 / point  |    |  |  |  |  | <b>Rs 39054.75</b>  |

|    |   |    |  |  |  |  |                    |  |
|----|---|----|--|--|--|--|--------------------|--|
| 39 | 1.24.1<br>Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.5/6 amps switch               |    |  |  |  |  |                    |  |
|    | LGF   | 29 |  |  |  |  | 29.000             |  |
|    | GF  | 79 |  |  |  |  | 79.000             |  |
|    | 1F  | 48 |  |  |  |  | 48.000             |  |
|    | Total Quantity  |    |  |  |  |  | 156.000 each       |  |
|    | Total Deducted Quantity   |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |    |  |  |  |  | 156.000 each       |  |
|    | Say 156.000 each @ Rs 115.86 / each   |    |  |  |  |  | <b>Rs 18074.16</b> |  |
| 40 | 1.24.3<br>Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch              |    |  |  |  |  |                    |  |
|    | LGF   | 24 |  |  |  |  | 24.000             |  |
|    | GF  | 19 |  |  |  |  | 19.000             |  |
|    | 1F  | 8  |  |  |  |  | 8.000              |  |
|    | TF  | 1  |  |  |  |  | 1.000              |  |
|    | Total Quantity  |    |  |  |  |  | 52.000 each        |  |
|    | Total Deducted Quantity   |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |    |  |  |  |  | 52.000 each        |  |
|    | Say 52.000 each @ Rs 157.24 / each  |    |  |  |  |  | <b>Rs 8176.48</b>  |  |
| 41 | 1.24.4<br>Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet   |    |  |  |  |  |                    |  |
|    | LGF   | 29 |  |  |  |  | 29.000             |  |
|    | GF  | 79 |  |  |  |  | 79.000             |  |
|    | 1F  | 48 |  |  |  |  | 48.000             |  |
|    | Total Quantity  |    |  |  |  |  | 156.000 each       |  |
|    | Total Deducted Quantity   |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |    |  |  |  |  | 156.000 each       |  |
|    | Say 156.000 each @ Rs 111.72 / each   |    |  |  |  |  | <b>Rs 17428.32</b> |  |
| 42 | 1.24.5<br>Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet |    |  |  |  |  |                    |  |
|    | LGF   | 24 |  |  |  |  | 24.000             |  |

|    |  |    |  |  |  |  |                    |  |
|----|--|----|--|--|--|--|--------------------|--|
|    | GF   | 19 |  |  |  |  | 19.000             |  |
|    | 1F   | 8  |  |  |  |  | 8.000              |  |
|    | TF   | 1  |  |  |  |  | 1.000              |  |
|    | Total Quantity   |    |  |  |  |  | 52.000 each        |  |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |    |  |  |  |  | 52.000 each        |  |
|    | Say 52.000 each @ Rs 211.03 / each   |    |  |  |  |  | <b>Rs 10973.56</b> |  |
| 43 | 1.25<br>Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required. |    |  |  |  |  |                    |  |
|    | LGF  | 27 |  |  |  |  | 27.000             |  |
|    | GF   | 20 |  |  |  |  | 20.000             |  |
|    | 1F   | 24 |  |  |  |  | 24.000             |  |
|    | Total Quantity   |    |  |  |  |  | 71.000 each        |  |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |    |  |  |  |  | 71.000 each        |  |
|    | Say 71.000 each @ Rs 397.24 / each   |    |  |  |  |  | <b>Rs 28204.04</b> |  |
| 44 | 1.27.1<br>Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.1 or 2 Module (75mmX75mm)               |    |  |  |  |  |                    |  |
|    | LGF  | 27 |  |  |  |  | 27.000             |  |
|    | GF   | 20 |  |  |  |  | 20.000             |  |
|    | 1F   | 24 |  |  |  |  | 24.000             |  |
|    | Total Quantity   |    |  |  |  |  | 71.000 each        |  |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |    |  |  |  |  | 71.000 each        |  |
|    | Say 71.000 each @ Rs 241.38 / each   |    |  |  |  |  | <b>Rs 17137.98</b> |  |
| 45 | 1.27.2<br>Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)                   |    |  |  |  |  |                    |  |
|    | LGF  | 29 |  |  |  |  | 29.000             |  |
|    | GF   | 35 |  |  |  |  | 35.000             |  |
|    | 1F   | 12 |  |  |  |  | 12.000             |  |
|    | TF   | 1  |  |  |  |  | 1.000              |  |
|    | Total Quantity   |    |  |  |  |  | 77.000 each        |  |

|    |           |   |  |  |  |  |                                      |                     |
|----|-----------|---|--|--|--|--|--------------------------------------|---------------------|
|    |           |   |  |  |  |  | Total Deducted Quantity              | 0.000 each          |
|    |           |   |  |  |  |  | Net Total Quantity                   | 77.000 each         |
|    |           |   |  |  |  |  | Say 77.000 each @ Rs 255.17 / each   | <b>Rs 19648.09</b>  |
| 46 | 1.27.4    | Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)  |  |  |  |  |                                      |                     |
|    | LGF       | 12  |  |  |  |  |                                      | 12.000              |
|    | GF        | 31  |  |  |  |  |                                      | 31.000              |
|    | 1F        | 22  |  |  |  |  |                                      | 22.000              |
|    |           |   |  |  |  |  | Total Quantity                       | 65.000 each         |
|    |           |   |  |  |  |  | Total Deducted Quantity              | 0.000 each          |
|    |           |   |  |  |  |  | Net Total Quantity                   | 65.000 each         |
|    |           |   |  |  |  |  | Say 65.000 each @ Rs 355.86 / each   | <b>Rs 23130.90</b>  |
| 47 | 90.3.19.3 | Supply conveyance, installation, testing and commissioning the light fittings of following types made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1200 mm 1X20W LED Lamp with box type fixture  |  |  |  |  |                                      |                     |
|    | LGF       | 45  |  |  |  |  |                                      | 45.000              |
|    | GF        | 69  |  |  |  |  |                                      | 69.000              |
|    | FF        | 48  |  |  |  |  |                                      | 48.000              |
|    | TF        | 3   |  |  |  |  |                                      | 3.000               |
|    |           |   |  |  |  |  | Total Quantity                       | 165.000 each        |
|    |           |   |  |  |  |  | Total Deducted Quantity              | 0.000 each          |
|    |           |   |  |  |  |  | Net Total Quantity                   | 165.000 each        |
|    |           |   |  |  |  |  | Say 165.000 each @ Rs 1178.79 / each | <b>Rs 194500.35</b> |
| 48 | 90.4.5.2  | Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required. 1200mm sweep -5star rated ceiling fan complete with 300mm down rod, canopies, shackles and blades and resistance type regulator working on 230V/240V single phase A/C |  |  |  |  |                                      |                     |
|    | LGF       | 12  |  |  |  |  |                                      | 12.000              |
|    | GF        | 20  |  |  |  |  |                                      | 20.000              |
|    | 1F        | 16  |  |  |  |  |                                      | 16.000              |
|    |           |   |  |  |  |  | Total Quantity                       | 48.000 each         |



|    |  |    |  |  |  |  |                    |  |
|----|--|----|--|--|--|--|--------------------|--|
|    | GF   | 11 |  |  |  |  | 11.000             |  |
|    | TF   | 8  |  |  |  |  | 8.000              |  |
|    | Total Quantity   |    |  |  |  |  | 19.000 no          |  |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 no           |  |
|    | Net Total Quantity   |    |  |  |  |  | 19.000 no          |  |
|    | Say 19.000 no @ Rs 615.76 / no   |    |  |  |  |  | <b>Rs 11699.44</b> |  |
| 53 | 9.1.34<br>Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 25 sq. mm (28mm)  |    |  |  |  |  |                    |  |
|    | LGF  | 4  |  |  |  |  | 4.000              |  |
|    | GF   | 4  |  |  |  |  | 4.000              |  |
|    | FF   | 2  |  |  |  |  | 2.000              |  |
|    | Total Quantity   |    |  |  |  |  | 10.000 set         |  |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 set          |  |
|    | Net Total Quantity   |    |  |  |  |  | 10.000 set         |  |
|    | Say 10.000 set @ Rs 355.86 / set   |    |  |  |  |  | <b>Rs 3558.60</b>  |  |
| 54 | 90.3.24.4<br>Supply & installation of light fittings suspended on ball & socket arrangement with 19 mm down rod<br>Supply, conveyance, installation, testing and commissioning the light fittings of following types made of .5mm thick CRCA sheet accessories and lamps etc. including supplying and fixing ball and socket arrangements on PVC round block, suspension down rod of 19mm dia MS conduit up to 2x30cm length including painting and wiring the down rod with 16/0.20mm 3 core round copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connections etc. a required.1200 mm 2X20W LED Lamp with box type fixture |    |  |  |  |  |                    |  |
|    | LGF  | 17 |  |  |  |  | 17.000             |  |
|    | FF   | 8  |  |  |  |  | 8.000              |  |
|    | Total Quantity   |    |  |  |  |  | 25.000 each        |  |
|    | Total Deducted Quantity  |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |    |  |  |  |  | 25.000 each        |  |
|    | Say 25.000 each @ Rs 2015.79 / each  |    |  |  |  |  | <b>Rs 50394.75</b> |  |
| 55 | 1.24.8<br>Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.Bell push  |    |  |  |  |  |                    |  |
|    |  | 6  |  |  |  |  | 6.000              |  |
|    | Total Quantity   |    |  |  |  |  | 6.000 each         |  |



|    |   |    |  |  |  |  |                    |  |
|----|---|----|--|--|--|--|--------------------|--|
|    | Say 3.000 each @ Rs 2006.88 / each  |    |  |  |  |  | <b>Rs 6020.64</b>  |  |
| 60 | od248199/2019_2020<br>Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.<br>1400mm sweep ceiling fan complete with 300mm down rod , canopies, shackeles and blades and excluding resistance type regulator working on 230V/240V single phase A/C   |    |  |  |  |  |                    |  |
|    | LGF   | 14 |  |  |  |  | 14.000             |  |
|    | FF  | 8  |  |  |  |  | 8.000              |  |
|    | Total Quantity  |    |  |  |  |  | 22.000 each        |  |
|    | Total Deducted Quantity   |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |    |  |  |  |  | 22.000 each        |  |
|    | Say 22.000 each @ Rs 1764.03 / each   |    |  |  |  |  | <b>Rs 38808.66</b> |  |
| 61 | od248200/2019_2020<br>Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.<br>900mm sweep ceiling fan complete with 300mm down rod , canopies, shackeles and blades and resistance type regulator working on 230V/240V single phase A/C  |    |  |  |  |  |                    |  |
|    | LGF   | 1  |  |  |  |  | 1.000              |  |
|    | Total Quantity  |    |  |  |  |  | 1.000 each         |  |
|    | Total Deducted Quantity   |    |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |    |  |  |  |  | 1.000 each         |  |
|    | Say 1.000 each @ Rs 1506.96 / each  |    |  |  |  |  | <b>Rs 1506.96</b>  |  |
| 62 | od248552/2019_2020<br>SITC of SSB 1 (Main Building 1, L&P, Ettumanoor)<br>Supply, installation , testing and commissioning of totally enclosed compartmentalized dust and vermin proof cubical segregated and modular in construction M.V. panel board free standing fabricated with14swg and 16swg of CRCA M.S. sheet, powder coated , bus-bar chamber ,outgoing switchgear etc. (all feeder unit Would be compart mentalized), color coded PVC sleeved vertical / horizontal Aluminium busbar of required size of length, ( bus-bar distances shall be minimum 32 mm ) insulators, hardware, neoprene gasket , hinged door, interconnecting single core multi strand lugged copper wire having current density of 2A / sqmm of suitable capacity & size with lugs from busbar to switchgears / MCCB / MCB or where ever required, control wiring with 1 sqmm FRLS cable, ON/OFF, RYB phase indicators, two earthing terminal busbar of size 25 x 5 mm copper with nut & bolts at outside of the panel, rating and name plates for all incoming & outgoing etc. comprising with the followings as per the KEI standard. Switch gears – ABB/ Equivalent, Contactors – ABB, L&T/Equivalent.<br>Incomer: - 160A TPN Isolator – 1 No.<br>Outgoing: - 50A 3P MCCB – 6 No., 40A SP MCB – 1 No., 32A 3P MCCB – 1 No., 25A 3P MCB - 1No., 63A TPN Isolator-1 No.<br> |    |  |  |  |  |                    |  |

|  |  |    |       |   |   |    |                     |        |
|--|--|----|-------|---|---|----|---------------------|--------|
|  |  | 1  |       |   |   |    | 1.000               |        |
|  | Total Quantity   |    |       |   |   |    | 1.000               | each   |
|  | Total Deducted Quantity  |    |       |   |   |    | 0.000               | each   |
|  | Net Total Quantity   |    |       |   |   |    | 1.000               | each   |
|  | Say 1.000 each @ Rs 133295.51 / each   |    |       |   |   |    | <b>Rs 133295.51</b> |        |
| 63   | 7.5.2<br>Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size in the existing RCC/ HUME/ METAL pipe as required.Above 35 sq. mm and upto 95 sq. mm  |    |       |   |   |    |                     |        |
|  |  | 8  |       |   |   |    | 8.000               |        |
|  | Total Quantity   |    |       |   |   |    | 8.000               | metre  |
|  | Total Deducted Quantity  |    |       |   |   |    | 0.000               | metre  |
|  | Net Total Quantity   |    |       |   |   |    | 8.000               | metre  |
|  | Say 8.000 metre @ Rs 38.62 / metre   |    |       |   |   |    | <b>Rs 308.96</b>    |        |
| 64   | 14.14.2<br>Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete withRCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.150 mm dia       |    |       |   |   |    |                     |        |
|  |  | 1  | 8.000 |   |   |    | 8.000               |        |
|  | Total Quantity   |    |       |   |   |    | 8.000               | metre  |
|  | Total Deducted Quantity  |    |       |   |   |    | 0.000               | metre  |
|  | Net Total Quantity   |    |       |   |   |    | 8.000               | metre  |
|  | Say 8.000 metre @ Rs 558.62 / metre  |    |       |   |   |    | <b>Rs 4468.96</b>   |        |
| SI No  | Description  | No | L     | B | D | CF | Quantity            | Remark |
| <b>2 SUMP TANK M&amp;amp;amp;amp;amp;amp;E WORKS</b> |  |    |       |   |   |    |                     |        |
| 1  | od241818/2019_2020<br>Supplying and making end termination with brass compression gland and aluminium lugs for<br><br>following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV<br><br>grade as required.<br>3 X 6 sq. mm (19mm) |    |       |   |   |    |                     |        |
|  |  | 12 |       |   |   |    | 12.000              |        |
|  | Total Quantity   |    |       |   |   |    | 12.000              | set    |
|  | Total Deducted Quantity  |    |       |   |   |    | 0.000               | set    |
|  | Net Total Quantity   |    |       |   |   |    | 12.000              | set    |
|  | Say 12.000 set @ Rs 158.00 / set   |    |       |   |   |    | <b>Rs 1896.00</b>   |        |
| 2  | od241827/2019_2020<br>Supply of 6 sqmm 3 core PVC/ XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE                                      |    |       |   |   |    |                     |        |

|   |  |    |       |  |  |  |                    |       |  |
|---|--|----|-------|--|--|--|--------------------|-------|--|
|   |  | 85 |       |  |  |  | 85.000             |       |  |
|   | Total Quantity   |    |       |  |  |  | 85.000             | metre |  |
|   | Total Deducted Quantity  |    |       |  |  |  | 0.000              | metre |  |
|   | Net Total Quantity   |    |       |  |  |  | 85.000             | metre |  |
|   | Say 85.000 metre @ Rs 116.00 / metre   |    |       |  |  |  | <b>Rs 9860.00</b>  |       |  |
| 3 | od250825/2019_2020<br>Supply of 6 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE   |    |       |  |  |  |                    |       |  |
|   |  | 1  | 8.000 |  |  |  | 8.000              |       |  |
|   | Total Quantity   |    |       |  |  |  | 8.000              | metre |  |
|   | Total Deducted Quantity  |    |       |  |  |  | 0.000              | metre |  |
|   | Net Total Quantity   |    |       |  |  |  | 8.000              | metre |  |
|   | Say 8.000 metre @ Rs 115.00 / metre  |    |       |  |  |  | <b>Rs 920.00</b>   |       |  |
| 4 | od250826/2019_2020<br>SITC of SSB Water pump panel.<br>Supply, installation , testing and<br>commissioning of totally enclosed compartmentalized dust and vermin proof<br>cubical segregated and modular in construction M.V. panel board free standing<br>fabricated with14swg and 16swg of CRCA M.S. sheet, powder coated , busbar<br>chamber ,outgoing switchgear etc. (all feeder unit Would be compart mentalized),<br>color coded PVC sleeved vertical / horizontal Aluminium busbar of required size of<br>length, ( bus-bar distances shall be minimum 32 mm ) insulators,<br>hardware,<br>neoprene gasket , hinged door, interconnecting single core multi<br>strand lugged copper wire having current density of 2A / sqmm of suitable<br>capacity & size with lugs from busbar to switchgears / MCCB / MCB or where ever<br>required, control wiring with 1 sqmm FRLS cable, ON/OFF, RYB phase indicators,<br>two earthing terminal busbar of size 25 x 5 mm copper with nut & bolts at outside<br>of the panel, rating and name plates for all incoming & outgoing etc comprising<br>with the followings as per the KEI standard. Switch gears – ABB/ Equivalent,<br>Contactors – ABB, L&T/Equivalent. Incomer: - 63A TPN Isolator – 1 No. Outgoing: 25A 3P MCB – 8 No., 25A SP MCB – 1 No., 5 hp DOL<br>starter with OLR - 4 No, 3 hp DOL starter with OLR - 2 No.1 hp DOL starter with<br>OLR - 4 No |    |       |  |  |  |                    |       |  |
|   |  | 1  |       |  |  |  | 1.000              |       |  |
|   | Total Quantity   |    |       |  |  |  | 1.000              | no    |  |
|   | Total Deducted Quantity  |    |       |  |  |  | 0.000              | no    |  |
|   | Net Total Quantity   |    |       |  |  |  | 1.000              | no    |  |
|   | Say 1.000 no @ Rs 96643.75 / no  |    |       |  |  |  | <b>Rs 96643.75</b> |       |  |
| 5 | 7.7.1<br>Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on wall surface as required.Upto 35 sq. mm (clamped with 1mm thick saddle)   |    |       |  |  |  |                    |       |  |
|   |  | 60 |       |  |  |  | 60.000             |       |  |
|   | Total Quantity   |    |       |  |  |  | 60.000             | metre |  |



|    |  |    |        |  |  |  |                    |  |
|----|--|----|--------|--|--|--|--------------------|--|
|    | Say 50.000 metre @ Rs 57.52 / metre  |    |        |  |  |  | <b>Rs 2876.00</b>  |  |
| 10 | 5.6<br>Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required. |    |        |  |  |  |                    |  |
|    |  | 2  |        |  |  |  | 2.000              |  |
|    | Total Quantity   |    |        |  |  |  | 2.000 set          |  |
|    | Total Deducted Quantity  |    |        |  |  |  | 0.000 set          |  |
|    | Net Total Quantity   |    |        |  |  |  | 2.000 set          |  |
|    | Say 2.000 set @ Rs 11433.02 / set  |    |        |  |  |  | <b>Rs 22866.04</b> |  |
| 11 | 5.14<br>Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.   |    |        |  |  |  |                    |  |
|    |  | 25 |        |  |  |  | 25.000             |  |
|    | Total Quantity   |    |        |  |  |  | 25.000 metre       |  |
|    | Total Deducted Quantity  |    |        |  |  |  | 0.000 metre        |  |
|    | Net Total Quantity   |    |        |  |  |  | 25.000 metre       |  |
|    | Say 25.000 metre @ Rs 962.75 / metre   |    |        |  |  |  | <b>Rs 24068.75</b> |  |
| 12 | od250193/2019_2020<br>Supply of 70 sqmm 3.5 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE                            |    |        |  |  |  |                    |  |
|    |  | 1  | 90.000 |  |  |  | 90.000             |  |
|    | Total Quantity   |    |        |  |  |  | 90.000 metre       |  |
|    | Total Deducted Quantity  |    |        |  |  |  | 0.000 metre        |  |
|    | Net Total Quantity   |    |        |  |  |  | 90.000 metre       |  |
|    | Say 90.000 metre @ Rs 413.00 / metre   |    |        |  |  |  | <b>Rs 37170.00</b> |  |
| 13 | 9.1.23<br>Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 70 sq. mm (38mm)                   |    |        |  |  |  |                    |  |
|    |  | 2  |        |  |  |  | 2.000              |  |
|    | Total Quantity   |    |        |  |  |  | 2.000 set          |  |
|    | Total Deducted Quantity  |    |        |  |  |  | 0.000 set          |  |
|    | Net Total Quantity   |    |        |  |  |  | 2.000 set          |  |
|    | Say 2.000 set @ Rs 543.44 / set  |    |        |  |  |  | <b>Rs 1086.88</b>  |  |
| 14 | 5.8<br>Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earthelectrode,  |    |        |  |  |  |                    |  |

|    |   |   |        |  |  |  |                    |  |
|----|---|---|--------|--|--|--|--------------------|--|
|    | including connection/ terminating with nut, bolt, spring, washer etc. as required.(Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)  |   |        |  |  |  |                    |  |
|    |   | 1 | 40.000 |  |  |  | 40.000             |  |
|    | Total Quantity  |   |        |  |  |  | 40.000 metre       |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 metre        |  |
|    | Net Total Quantity  |   |        |  |  |  | 40.000 metre       |  |
|    | Say 40.000 metre @ Rs 820.68 / metre  |   |        |  |  |  | <b>Rs 32827.20</b> |  |
| 15 | 2.3.3<br>Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator12 way, Double door |   |        |  |  |  |                    |  |
|    |   | 1 |        |  |  |  | 1.000              |  |
|    | Total Quantity  |   |        |  |  |  | 1.000 each         |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |        |  |  |  | 1.000 each         |  |
|    | Say 1.000 each @ Rs 1587.57 / each  |   |        |  |  |  | <b>Rs 1587.57</b>  |  |
| 16 | 2.10.1<br>Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole  |   |        |  |  |  |                    |  |
|    |   | 8 |        |  |  |  | 8.000              |  |
|    | Total Quantity  |   |        |  |  |  | 8.000 each         |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |        |  |  |  | 8.000 each         |  |
|    | Say 8.000 each @ Rs 238.62 / each   |   |        |  |  |  | <b>Rs 1908.96</b>  |  |
| 17 | 2.12.1<br>Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps  |   |        |  |  |  |                    |  |
|    |   | 1 |        |  |  |  | 1.000              |  |
|    | Total Quantity  |   |        |  |  |  | 1.000 each         |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |        |  |  |  | 1.000 each         |  |
|    | Say 1.000 each @ Rs 306.20 / each   |   |        |  |  |  | <b>Rs 306.20</b>   |  |
| 18 | 2.14.1<br>Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residualcurrent  |   |        |  |  |  |                    |  |

|   | circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.25 amps   |    |         |   |   |    |                   |        |
|---|---|----|---------|---|---|----|-------------------|--------|
|   |   | 1  |         |   |   |    | 1.000             |        |
|   | Total Quantity  |    |         |   |   |    | 1.000 each        |        |
|   | Total Deducted Quantity   |    |         |   |   |    | 0.000 each        |        |
|   | Net Total Quantity  |    |         |   |   |    | 1.000 each        |        |
|   | Say 1.000 each @ Rs 2275.85 / each  |    |         |   |   |    | <b>Rs 2275.85</b> |        |
| SI No   | Description   | No | L       | B | D | CF | Quantity          | Remark |
| <b>3 FRONT GATE WITH SECURITY CABIN M AND E WORKS</b> |   |    |         |   |   |    |                   |        |
| 1   | 2.10.1<br>Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole  |    |         |   |   |    |                   |        |
|   |   | 12 |         |   |   |    | 12.000            |        |
|   | Total Quantity  |    |         |   |   |    | 12.000 each       |        |
|   | Total Deducted Quantity   |    |         |   |   |    | 0.000 each        |        |
|   | Net Total Quantity  |    |         |   |   |    | 12.000 each       |        |
|   | Say 12.000 each @ Rs 238.62 / each  |    |         |   |   |    | <b>Rs 2863.44</b> |        |
| 2   | 90.11.1.10<br>Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required4 way (8+12) - three phase double cover (IP 42/43) |    |         |   |   |    |                   |        |
|   |   | 1  |         |   |   |    | 1.000             |        |
|   | Total Quantity  |    |         |   |   |    | 1.000 each        |        |
|   | Total Deducted Quantity   |    |         |   |   |    | 0.000 each        |        |
|   | Net Total Quantity  |    |         |   |   |    | 1.000 each        |        |
|   | Say 1.000 each @ Rs 2768.72 / each  |    |         |   |   |    | <b>Rs 2768.72</b> |        |
| 3   | od252160/2019_2020<br>Supply of 10 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE   |    |         |   |   |    |                   |        |
|   |   | 1  | 240.000 |   |   |    | 240.000           |        |
|   | Total Quantity  |    |         |   |   |    | 240.000 metre     |        |
|   | Total Deducted Quantity   |    |         |   |   |    | 0.000 metre       |        |
|   | Net Total Quantity  |    |         |   |   |    | 240.000 metre     |        |

|   |  |   |        |  |  |  |                    |  |
|---|--|---|--------|--|--|--|--------------------|--|
|   | Say 240.000 metre @ Rs 118.00 / metre  |   |        |  |  |  | <b>Rs 28320.00</b> |  |
| 4 | 9.1.32<br>Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)                    |   |        |  |  |  |                    |  |
|   |  | 2 |        |  |  |  | 2.000              |  |
|   | Total Quantity   |   |        |  |  |  | 2.000 set          |  |
|   | Total Deducted Quantity  |   |        |  |  |  | 0.000 set          |  |
|   | Net Total Quantity   |   |        |  |  |  | 2.000 set          |  |
|   | Say 2.000 set @ Rs 280.00 / set  |   |        |  |  |  | <b>Rs 560.00</b>   |  |
| 5 | 2.13.1<br>Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps   |   |        |  |  |  |                    |  |
|   |  | 1 |        |  |  |  | 1.000              |  |
|   | Total Quantity   |   |        |  |  |  | 1.000 each         |  |
|   | Total Deducted Quantity  |   |        |  |  |  | 0.000 each         |  |
|   | Net Total Quantity   |   |        |  |  |  | 1.000 each         |  |
|   | Say 1.000 each @ Rs 919.99 / each  |   |        |  |  |  | <b>Rs 919.99</b>   |  |
| 6 | 1.14.1<br>Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required2x1.5 sq.mm + 1x1.5 sq.mm earth wire      |   |        |  |  |  |                    |  |
|   |  | 1 | 50.000 |  |  |  | 50.000             |  |
|   |  | 1 | 50.000 |  |  |  | 50.000             |  |
|   | Total Quantity   |   |        |  |  |  | 100.000 metre      |  |
|   | Total Deducted Quantity  |   |        |  |  |  | 0.000 metre        |  |
|   | Net Total Quantity   |   |        |  |  |  | 100.000 metre      |  |
|   | Say 100.000 metre @ Rs 154.48 / metre  |   |        |  |  |  | <b>Rs 15448.00</b> |  |
| 7 | 1.14.2<br>Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire |   |        |  |  |  |                    |  |
|   |  | 1 | 20.000 |  |  |  | 20.000             |  |
|   | Total Quantity   |   |        |  |  |  | 20.000 metre       |  |
|   | Total Deducted Quantity  |   |        |  |  |  | 0.000 metre        |  |
|   | Net Total Quantity   |   |        |  |  |  | 20.000 metre       |  |

|    |   |   |        |  |  |  |                   |  |
|----|---|---|--------|--|--|--|-------------------|--|
|    | Say 20.000 metre @ Rs 188.96 / metre  |   |        |  |  |  | <b>Rs 3779.20</b> |  |
| 8  | 1.24.3<br>Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch  |   |        |  |  |  |                   |  |
|    |   | 2 |        |  |  |  | 2.000             |  |
|    | Total Quantity  |   |        |  |  |  | 2.000 each        |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each        |  |
|    | Net Total Quantity  |   |        |  |  |  | 2.000 each        |  |
|    | Say 2.000 each @ Rs 157.24 / each   |   |        |  |  |  | <b>Rs 314.48</b>  |  |
| 9  | 1.24.5<br>Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet   |   |        |  |  |  |                   |  |
|    |   | 2 |        |  |  |  | 2.000             |  |
|    | Total Quantity  |   |        |  |  |  | 2.000 each        |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each        |  |
|    | Net Total Quantity  |   |        |  |  |  | 2.000 each        |  |
|    | Say 2.000 each @ Rs 211.03 / each   |   |        |  |  |  | <b>Rs 422.06</b>  |  |
| 10 | 1.27.2<br>Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)  |   |        |  |  |  |                   |  |
|    |   | 2 |        |  |  |  | 2.000             |  |
|    | Total Quantity  |   |        |  |  |  | 2.000 each        |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each        |  |
|    | Net Total Quantity  |   |        |  |  |  | 2.000 each        |  |
|    | Say 2.000 each @ Rs 255.17 / each   |   |        |  |  |  | <b>Rs 510.34</b>  |  |
| 11 | 90.6.5.19<br>Supply and drawing the following sizes of multi-core PVC insulated & FRLS PVC sheathed 650/1100 V grade copper conductor round flexible cables conforming to IS 694 part I 1960 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.4 core 2.50 sq mm |   |        |  |  |  |                   |  |
|    |   | 1 | 28.000 |  |  |  | 28.000            |  |
|    | Total Quantity  |   |        |  |  |  | 28.000 metre      |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 metre       |  |
|    | Net Total Quantity  |   |        |  |  |  | 28.000 metre      |  |
|    | Say 28.000 metre @ Rs 129.79 / metre  |   |        |  |  |  | <b>Rs 3634.12</b> |  |
| 12 | od252594/2019_2020  |   |        |  |  |  |                   |  |

|    |   |    |        |  |  |  |                    |  |
|----|---|----|--------|--|--|--|--------------------|--|
|    | Supply of 4 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE  |    |        |  |  |  |                    |  |
|    |   | 1  | 35.000 |  |  |  | 35.000             |  |
|    | Total Quantity  |    |        |  |  |  | 35.000 metre       |  |
|    | Total Deducted Quantity   |    |        |  |  |  | 0.000 metre        |  |
|    | Net Total Quantity  |    |        |  |  |  | 35.000 metre       |  |
|    | Say 35.000 metre @ Rs 92.00 / metre   |    |        |  |  |  | <b>Rs 3220.00</b>  |  |
| 13 | 1.10.3<br>Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSPVC insulated copper conductor single core cable etc as required. Group C |    |        |  |  |  |                    |  |
|    |   | 28 |        |  |  |  | 28.000             |  |
|    | Total Quantity  |    |        |  |  |  | 28.000 point       |  |
|    | Total Deducted Quantity   |    |        |  |  |  | 0.000 point        |  |
|    | Net Total Quantity  |    |        |  |  |  | 28.000 point       |  |
|    | Say 28.000 point @ Rs 1044.13 / point   |    |        |  |  |  | <b>Rs 29235.64</b> |  |
| 14 | 1.55.3<br>Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point ( without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C     |    |        |  |  |  |                    |  |
|    |   | 6  |        |  |  |  | 6.000              |  |
|    | Total Quantity  |    |        |  |  |  | 6.000 point        |  |
|    | Total Deducted Quantity   |    |        |  |  |  | 0.000 point        |  |
|    | Net Total Quantity  |    |        |  |  |  | 6.000 point        |  |
|    | Say 6.000 point @ Rs 572.41 / point   |    |        |  |  |  | <b>Rs 3434.46</b>  |  |
| 15 | 1.24.1<br>Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 5/6 amps switch  |    |        |  |  |  |                    |  |
|    |   | 4  |        |  |  |  | 4.000              |  |
|    | Total Quantity  |    |        |  |  |  | 4.000 each         |  |
|    | Total Deducted Quantity   |    |        |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |    |        |  |  |  | 4.000 each         |  |
|    | Say 4.000 each @ Rs 115.86 / each   |    |        |  |  |  | <b>Rs 463.44</b>   |  |
| 16 | 1.24.4  |    |        |  |  |  |                    |  |

|    |  |   |        |  |  |  |                   |
|----|--|---|--------|--|--|--|-------------------|
|    | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet  |   |        |  |  |  |                   |
|    |  | 4 |        |  |  |  | 4.000             |
|    | Total Quantity   |   |        |  |  |  | 4.000 each        |
|    | Total Deducted Quantity  |   |        |  |  |  | 0.000 each        |
|    | Net Total Quantity   |   |        |  |  |  | 4.000 each        |
|    | Say 4.000 each @ Rs 111.72 / each  |   |        |  |  |  | <b>Rs 446.88</b>  |
| 17 | 1.27.4<br>Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)   |   |        |  |  |  |                   |
|    |  | 2 |        |  |  |  | 2.000             |
|    | Total Quantity   |   |        |  |  |  | 2.000 each        |
|    | Total Deducted Quantity  |   |        |  |  |  | 0.000 each        |
|    | Net Total Quantity   |   |        |  |  |  | 2.000 each        |
|    | Say 2.000 each @ Rs 355.86 / each  |   |        |  |  |  | <b>Rs 711.72</b>  |
| 18 | 2.15.2<br>Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps |   |        |  |  |  |                   |
|    |  | 1 |        |  |  |  | 1.000             |
|    | Total Quantity   |   |        |  |  |  | 1.000 each        |
|    | Total Deducted Quantity  |   |        |  |  |  | 0.000 each        |
|    | Net Total Quantity   |   |        |  |  |  | 1.000 each        |
|    | Say 1.000 each @ Rs 2939.29 / each   |   |        |  |  |  | <b>Rs 2939.29</b> |
| 19 | od252378/2019_2020<br>Supply and laying of one number of 10 SWG Copper wire including excavation and refilling as required.<br>  |   |        |  |  |  |                   |
|    |  | 1 | 30.000 |  |  |  | 30.000            |
|    | Total Quantity   |   |        |  |  |  | 30.000 metre      |
|    | Total Deducted Quantity  |   |        |  |  |  | 0.000 metre       |
|    | Net Total Quantity   |   |        |  |  |  | 30.000 metre      |
|    | Say 30.000 metre @ Rs 61.66 / metre  |   |        |  |  |  | <b>Rs 1849.80</b> |
| 20 | 5.2<br>Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required  |   |        |  |  |  |                   |

|    |  |   |         |  |  |  |                    |  |
|----|--|---|---------|--|--|--|--------------------|--|
|    |  | 2 |         |  |  |  | 2.000              |  |
|    | Total Quantity   |   |         |  |  |  | 2.000 set          |  |
|    | Total Deducted Quantity  |   |         |  |  |  | 0.000 set          |  |
|    | Net Total Quantity   |   |         |  |  |  | 2.000 set          |  |
|    | Say 2.000 set @ Rs 5064.79 / set   |   |         |  |  |  | <b>Rs 10129.58</b> |  |
| 21 | 90.16.1.3<br>Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required 3.15 mm copper conductor ( 10 SWG)   |   |         |  |  |  |                    |  |
|    |  | 1 | 13.000  |  |  |  | 13.000             |  |
|    | Total Quantity   |   |         |  |  |  | 13.000 metre       |  |
|    | Total Deducted Quantity  |   |         |  |  |  | 0.000 metre        |  |
|    | Net Total Quantity   |   |         |  |  |  | 13.000 metre       |  |
|    | Say 13.000 metre @ Rs 57.41 / metre  |   |         |  |  |  | <b>Rs 746.33</b>   |  |
| 22 | od252255/2019_2020<br>Supply, installation , testing and commissioning of Wall fan of 300mm sweep dia on wall, fixing necessary anchor bolts / bolt and nuts etc., as required including giving connections with the supplied wire along with the Wall fan.<br>300mm sweep wall fan working on 230 V A/C<br> |   |         |  |  |  |                    |  |
|    |  | 2 |         |  |  |  | 2.000              |  |
|    | Total Quantity   |   |         |  |  |  | 2.000 each         |  |
|    | Total Deducted Quantity  |   |         |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |   |         |  |  |  | 2.000 each         |  |
|    | Say 2.000 each @ Rs 2006.79 / each   |   |         |  |  |  | <b>Rs 4013.58</b>  |  |
| 23 | od249212/2019_2020<br>Supply, installing, testing and commissioning of Fire Extinguisher dry chemical<br>powder type ISI mark, 5 kg capacity with initial charger and<br>installation<br>brackets.Make - Safex / Warrior / Intime  |   |         |  |  |  |                    |  |
|    |  | 2 |         |  |  |  | 2.000              |  |
|    | Total Quantity   |   |         |  |  |  | 2.000 each         |  |
|    | Total Deducted Quantity  |   |         |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |   |         |  |  |  | 2.000 each         |  |
|    | Say 2.000 each @ Rs 2111.07 / each   |   |         |  |  |  | <b>Rs 4222.14</b>  |  |
| 24 | 7.1.1<br>Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.Upto 35 sq. mm  |   |         |  |  |  |                    |  |
|    |  | 1 | 210.000 |  |  |  | 210.000            |  |
|    | Total Quantity   |   |         |  |  |  | 210.000 metre      |  |



|    |   |    |  |  |  |  |        |                    |
|----|---|----|--|--|--|--|--------|--------------------|
|    | Say 16.000 metre @ Rs 558.62 / metre  |    |  |  |  |  |        | <b>Rs 8937.92</b>  |
| 29 | od252033/2019_2020<br>SITC of 3W LED Recessed Spot light pre wired, working on 230V, 50Hz AC, complete with all other accessories as required.  |    |  |  |  |  |        |                    |
|    |   | 4  |  |  |  |  | 4.000  |                    |
|    | Total Quantity  |    |  |  |  |  |        | 4.000 no           |
|    | Total Deducted Quantity   |    |  |  |  |  |        | 0.000 no           |
|    | Net Total Quantity  |    |  |  |  |  |        | 4.000 no           |
|    | Say 4.000 no @ Rs 385.86 / no   |    |  |  |  |  |        | <b>Rs 1543.44</b>  |
| 30 | od252034/2019_2020<br>SITC of 20/25W LED Surface mounting down light, working on 230V, 50Hz AC, complete with all other accessories as required.  |    |  |  |  |  |        |                    |
|    |   | 2  |  |  |  |  | 2.000  |                    |
|    | Total Quantity  |    |  |  |  |  |        | 2.000 no           |
|    | Total Deducted Quantity   |    |  |  |  |  |        | 0.000 no           |
|    | Net Total Quantity  |    |  |  |  |  |        | 2.000 no           |
|    | Say 2.000 no @ Rs 1514.28 / no  |    |  |  |  |  |        | <b>Rs 3028.56</b>  |
| 31 | od252035/2019_2020<br>SITC of weather proof pillar light fittings with 9W LED lamp, IP65 for outdoor purpose pre wired and complete with all other accessories as required.             |    |  |  |  |  |        |                    |
|    |   | 12 |  |  |  |  | 12.000 |                    |
|    | Total Quantity  |    |  |  |  |  |        | 12.000 no          |
|    | Total Deducted Quantity   |    |  |  |  |  |        | 0.000 no           |
|    | Net Total Quantity  |    |  |  |  |  |        | 12.000 no          |
|    | Say 12.000 no @ Rs 1136.65 / no   |    |  |  |  |  |        | <b>Rs 13639.80</b> |
| 32 | od252036/2019_2020<br>Supply, installation, testing and commissioning of LED 3W Spike light, IP65 with all other accessories as required.   |    |  |  |  |  |        |                    |
|    |   | 4  |  |  |  |  | 4.000  |                    |
|    | Total Quantity  |    |  |  |  |  |        | 4.000 no           |
|    | Total Deducted Quantity   |    |  |  |  |  |        | 0.000 no           |
|    | Net Total Quantity  |    |  |  |  |  |        | 4.000 no           |
|    | Say 4.000 no @ Rs 623.03 / no   |    |  |  |  |  |        | <b>Rs 2492.12</b>  |
| 33 | od252041/2019_2020<br>Supply, installation, testing and commissioning of 5W LED lamp (Make: Luker, Model: LBPC05CL) working on 230V, 50Hz AC, including giving connections as required. |    |  |  |  |  |        |                    |

|                            |  |    |         |   |   |    |          |                    |  |
|----------------------------|--|----|---------|---|---|----|----------|--------------------|--|
|                            |  | 2  |         |   |   |    |          | 2.000              |  |
|                            | Total Quantity   |    |         |   |   |    |          | 2.000 each         |  |
|                            | Total Deducted Quantity  |    |         |   |   |    |          | 0.000 each         |  |
|                            | Net Total Quantity   |    |         |   |   |    |          | 2.000 each         |  |
|                            | Say 2.000 each @ Rs 267.21 / each  |    |         |   |   |    |          | <b>Rs 534.42</b>   |  |
| 34                         | od249594/2019_2020<br>Supply & Installation of Draw Boxes with termination   |    |         |   |   |    |          |                    |  |
|                            |  | 7  |         |   |   |    |          | 7.000              |  |
|                            | Total Quantity   |    |         |   |   |    |          | 7.000 each         |  |
|                            | Total Deducted Quantity  |    |         |   |   |    |          | 0.000 each         |  |
|                            | Net Total Quantity   |    |         |   |   |    |          | 7.000 each         |  |
|                            | Say 7.000 each @ Rs 634.00 / each  |    |         |   |   |    |          | <b>Rs 4438.00</b>  |  |
| 35                         | 1.17.3<br>Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.3 X 1.5 sq.mm                                      |    |         |   |   |    |          |                    |  |
|                            |  | 1  | 20.000  |   |   |    |          | 20.000             |  |
|                            | Total Quantity   |    |         |   |   |    |          | 20.000 metre       |  |
|                            | Total Deducted Quantity  |    |         |   |   |    |          | 0.000 metre        |  |
|                            | Net Total Quantity   |    |         |   |   |    |          | 20.000 metre       |  |
|                            | Say 20.000 metre @ Rs 68.97 / metre  |    |         |   |   |    |          | <b>Rs 1379.40</b>  |  |
| SI No                      | Description  | No | L       | B | D | CF | Quantity | Remark             |  |
| <b>4 EXTERNAL LIGHTING</b> |  |    |         |   |   |    |          |                    |  |
| 1                          | od252273/2019_2020<br>Supply of 16 sqmm 3 core PVC/ XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE |    |         |   |   |    |          |                    |  |
|                            |  | 1  | 98.000  |   |   |    |          | 98.000             |  |
|                            | Total Quantity   |    |         |   |   |    |          | 98.000 metre       |  |
|                            | Total Deducted Quantity  |    |         |   |   |    |          | 0.000 metre        |  |
|                            | Net Total Quantity   |    |         |   |   |    |          | 98.000 metre       |  |
|                            | Say 98.000 metre @ Rs 128.00 / metre   |    |         |   |   |    |          | <b>Rs 12544.00</b> |  |
| 2                          | od241885/2019_2020<br>Supply of 4 sqmm 3 core PVC/ XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE  |    |         |   |   |    |          |                    |  |
|                            |  | 1  | 310.000 |   |   |    |          | 310.000            |  |
|                            | Total Quantity   |    |         |   |   |    |          | 310.000 metre      |  |



|    |                    |  |        |  |  |  |         |                     |
|----|--------------------|--|--------|--|--|--|---------|---------------------|
|    |                    | Say 16.000 metre @ Rs 24.83 / metre  |        |  |  |  |         | <b>Rs 397.28</b>    |
| 7  | 7.7.1              | Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.Upto 35 sq. mm (clamped with 1mm thick saddle)   |        |  |  |  |         |                     |
|    |                    | 8  |        |  |  |  | 8.000   |                     |
|    |                    | Total Quantity   |        |  |  |  |         | 8.000 metre         |
|    |                    | Total Deducted Quantity  |        |  |  |  |         | 0.000 metre         |
|    |                    | Net Total Quantity   |        |  |  |  |         | 8.000 metre         |
|    |                    | Say 8.000 metre @ Rs 34.48 / metre   |        |  |  |  |         | <b>Rs 275.84</b>    |
| 8  | 7.1.1              | Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.Upto 35 sq. mm   |        |  |  |  |         |                     |
|    |                    | 250  |        |  |  |  | 250.000 |                     |
|    |                    | Total Quantity   |        |  |  |  |         | 250.000 metre       |
|    |                    | Total Deducted Quantity  |        |  |  |  |         | 0.000 metre         |
|    |                    | Net Total Quantity   |        |  |  |  |         | 250.000 metre       |
|    |                    | Say 250.000 metre @ Rs 284.14 / metre  |        |  |  |  |         | <b>Rs 71035.00</b>  |
| 9  | 14.14.2            | Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.150 mm dia   |        |  |  |  |         |                     |
|    |                    | 1  | 16.000 |  |  |  | 16.000  |                     |
|    |                    | Total Quantity   |        |  |  |  |         | 16.000 metre        |
|    |                    | Total Deducted Quantity  |        |  |  |  |         | 0.000 metre         |
|    |                    | Net Total Quantity   |        |  |  |  |         | 16.000 metre        |
|    |                    | Say 16.000 metre @ Rs 558.62 / metre   |        |  |  |  |         | <b>Rs 8937.92</b>   |
| 10 | od241942/2019_2020 | SITC of 5 metre Hot dipped galvanised Octogonal pole in single section with 70mm top diameter, 130mm bottom diameter, 3mm sheet thickness, base plate dimensions of 200 x 200x 12 mm with 1.0 M long single arm bracket with 36W LED street light complete with all other accessories as required. |        |  |  |  |         |                     |
|    |                    | 10   |        |  |  |  | 10.000  |                     |
|    |                    | Total Quantity   |        |  |  |  |         | 10.000 each         |
|    |                    | Total Deducted Quantity  |        |  |  |  |         | 0.000 each          |
|    |                    | Net Total Quantity   |        |  |  |  |         | 10.000 each         |
|    |                    | Say 10.000 each @ Rs 22698.03 / each   |        |  |  |  |         | <b>Rs 226980.30</b> |

| 11                                   | od241943/2019_2020<br>SITC of 6 metre Hot dipped galvanised Octogonal pole in single section with 70mm top diameter, 130mm bottom diameter, 3mm sheet thickness, base plate dimensions of 200 x 200x 12 mm with 1.0 M long single arm bracket with 45W LED street light complete with all other accessories as required. |    |        |   |   |    |                    |        |
|--------------------------------------|--|----|--------|---|---|----|--------------------|--------|
|                                      |  | 2  |        |   |   |    | 2.000              |        |
|                                      | Total Quantity   |    |        |   |   |    | 2.000 each         |        |
|                                      | Total Deducted Quantity  |    |        |   |   |    | 0.000 each         |        |
|                                      | Net Total Quantity   |    |        |   |   |    | 2.000 each         |        |
|                                      | Say 2.000 each @ Rs 25305.65 / each  |    |        |   |   |    | <b>Rs 50611.30</b> |        |
| 12                                   | od250838/2019_2020<br>SITC Of Legrand make feeder pillar complete with the following accessories. <br>Incomer: 40A, DP Isolator. 40A, DP, RCCB, 100mA. Timer control with contactor. Auto/ Manual switch. <br>Outgoing: 10A, SP MCB - 4 Nos.   |    |        |   |   |    |                    |        |
|                                      |  | 1  |        |   |   |    | 1.000              |        |
|                                      | Total Quantity   |    |        |   |   |    | 1.000 each         |        |
|                                      | Total Deducted Quantity  |    |        |   |   |    | 0.000 each         |        |
|                                      | Net Total Quantity   |    |        |   |   |    | 1.000 each         |        |
|                                      | Say 1.000 each @ Rs 19426.00 / each  |    |        |   |   |    | <b>Rs 19426.00</b> |        |
| 13                                   | 1.17.3<br>Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.3 X 1.5 sq.mm  |    |        |   |   |    |                    |        |
|                                      |  | 1  | 85.000 |   |   |    | 85.000             |        |
|                                      | Total Quantity   |    |        |   |   |    | 85.000 metre       |        |
|                                      | Total Deducted Quantity  |    |        |   |   |    | 0.000 metre        |        |
|                                      | Net Total Quantity   |    |        |   |   |    | 85.000 metre       |        |
|                                      | Say 85.000 metre @ Rs 68.97 / metre  |    |        |   |   |    | <b>Rs 5862.45</b>  |        |
| SI No                                | Description  | No | L      | B | D | CF | Quantity           | Remark |
| <b>5 MAIN BUILDING 1 HVAC SYSTEM</b> |  |    |        |   |   |    |                    |        |
| 1                                    | od241830/2019_2020<br>Supply and installation of Refrigerant Copper piping insulated with Nitrile Rubber Tubular insulation with 13/19mm thickness.  |    |        |   |   |    |                    |        |
|                                      |  | 1  | 16.000 |   |   |    | 16.000             |        |
|                                      | Total Quantity   |    |        |   |   |    | 16.000 metre       |        |
|                                      | Total Deducted Quantity  |    |        |   |   |    | 0.000 metre        |        |
|                                      | Net Total Quantity   |    |        |   |   |    | 16.000 metre       |        |
|                                      | Say 16.000 metre @ Rs 2059.00 / metre  |    |        |   |   |    | <b>Rs 32944.00</b> |        |

| 2                                 | od241847/2019_2020<br>Supplying & providing 2.00 TR Split A/C with high wall mounted unit.<br>Carrier/Hitachi/Voltas/Blue Star.Mini 5Star rating ( Drain piping and Installation included).  |    |        |   |   |    |                      |        |
|-----------------------------------|--|----|--------|---|---|----|----------------------|--------|
|                                   |  | 1  |        |   |   |    | 1.000                |        |
|                                   | Total Quantity   |    |        |   |   |    | 1.000 each           |        |
|                                   | Total Deducted Quantity  |    |        |   |   |    | 0.000 each           |        |
|                                   | Net Total Quantity   |    |        |   |   |    | 1.000 each           |        |
|                                   | Say 1.000 each @ Rs 56304.00 / each  |    |        |   |   |    | <b>Rs 56304.00</b>   |        |
| SI No                             | Description  | No | L      | B | D | CF | Quantity             | Remark |
| <b>6 DG AND CHANGE OVER PANEL</b> |  |    |        |   |   |    |                      |        |
| 1                                 | od241823/2019_2020<br>SITC of DG<br>SITC of 320kVA, 415V DG with DG control panel, MCCB at outgoing with earth fault, over-current protection, fuel tank with capacity for 8hrs of operation, acoustic enclosure etc as per KEI norms.<br> |    |        |   |   |    |                      |        |
|                                   |  | 1  |        |   |   |    | 1.000                |        |
|                                   | Total Quantity   |    |        |   |   |    | 1.000 no             |        |
|                                   | Total Deducted Quantity  |    |        |   |   |    | 0.000 no             |        |
|                                   | Net Total Quantity   |    |        |   |   |    | 1.000 no             |        |
|                                   | Say 1.000 no @ Rs 2033899.00 / no  |    |        |   |   |    | <b>Rs 2033899.00</b> |        |
| 2                                 | od241848/2019_2020<br>Supply of 400 sqmm 3.5 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE           |    |        |   |   |    |                      |        |
|                                   |  | 1  | 20.000 |   |   |    | 20.000               |        |
|                                   | Total Quantity   |    |        |   |   |    | 20.000 metre         |        |
|                                   | Total Deducted Quantity  |    |        |   |   |    | 0.000 metre          |        |
|                                   | Net Total Quantity   |    |        |   |   |    | 20.000 metre         |        |
|                                   | Say 20.000 metre @ Rs 2195.00 / metre  |    |        |   |   |    | <b>Rs 43900.00</b>   |        |
| 3                                 | 9.1.30<br>Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 300 sq. mm (70mm)  |    |        |   |   |    |                      |        |
|                                   |  | 6  |        |   |   |    | 6.000                |        |
|                                   | Total Quantity   |    |        |   |   |    | 6.000 set            |        |
|                                   | Total Deducted Quantity  |    |        |   |   |    | 0.000 set            |        |
|                                   | Net Total Quantity   |    |        |   |   |    | 6.000 set            |        |

|   |  |                                       |         |  |  |  |                     |  |
|---|--|---------------------------------------|---------|--|--|--|---------------------|--|
|   |  | Say 6.000 set @ Rs 1525.51 / set      |         |  |  |  | <b>Rs 9153.06</b>   |  |
| 4 | 9.1.31<br>Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 400 sq. mm (82mm)  |                                       |         |  |  |  |                     |  |
|   |  | 2                                     |         |  |  |  | 2.000               |  |
|   |  | Total Quantity                        |         |  |  |  | 2.000 set           |  |
|   |  | Total Deducted Quantity               |         |  |  |  | 0.000 set           |  |
|   |  | Net Total Quantity                    |         |  |  |  | 2.000 set           |  |
|   |  | Say 2.000 set @ Rs 1915.85 / set      |         |  |  |  | <b>Rs 3831.70</b>   |  |
| 5 | 7.1.4<br>Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size direct in ground including excavation, sand cushioning, protective covering andrefilling the trench etc as required.Above 185 sq. mm and upto 400 sq. mm  |                                       |         |  |  |  |                     |  |
|   |  | 1                                     | 150.000 |  |  |  | 150.000             |  |
|   |  | Total Quantity                        |         |  |  |  | 150.000 metre       |  |
|   |  | Total Deducted Quantity               |         |  |  |  | 0.000 metre         |  |
|   |  | Net Total Quantity                    |         |  |  |  | 150.000 metre       |  |
|   |  | Say 150.000 metre @ Rs 342.07 / metre |         |  |  |  | <b>Rs 51310.50</b>  |  |
| 6 | od249386/2019_2020<br>Supply and erection of 10 meter long 152x152 mm RSJ double pole structure having 11 kV 600A double breaking isolators along with earth switch, 11 kV disc insulators support insulators, 11 kV lightning arrestors, mechanical interlocks for open/close of main pole and earthing, jumpering, angle iron supports, 2 nos stay wires with guy insulators, painting, earthing, bus conductors, stringing, steel members, fastners, clamps etc, Erection of chain link mesh of size 3 inch x 3 inch to a height of 2.4m with supporting pole span of 3 m using suitable ISI angle 50x50x6 mm around the double pole structure yard, earthing etc. Suitsble weld mesh door with frame work shall be provided. Supply and spreading 40mm size blue metal jelly in the DP structure yard to a height of 150mm |                                       |         |  |  |  |                     |  |
|   |  | 1                                     |         |  |  |  | 1.000               |  |
|   |  | Total Quantity                        |         |  |  |  | 1.000 each          |  |
|   |  | Total Deducted Quantity               |         |  |  |  | 0.000 each          |  |
|   |  | Net Total Quantity                    |         |  |  |  | 1.000 each          |  |
|   |  | Say 1.000 each @ Rs 155000.00 / each  |         |  |  |  | <b>Rs 155000.00</b> |  |
| 7 | 5.6<br>Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.   |                                       |         |  |  |  |                     |  |
|   |  | 6                                     |         |  |  |  | 6.000               |  |



|    |  |   |  |  |  |  |                     |  |
|----|--|---|--|--|--|--|---------------------|--|
|    | Say 20.000 metre @ Rs 669.00 / metre   |   |  |  |  |  | <b>Rs 13380.00</b>  |  |
| 12 | od249642/2019_2020<br>Supply, installation, testing and commissioning of indoor USS 315KVA Ratio<br>11KV/433V, 50 Hz, 3 Phase, Vector DYN-11, complete with all accessories<br>including Load Break Switch, PT & provision for TOD Meter etc as required   |   |  |  |  |  |                     |  |
|    |  | 1 |  |  |  |  | 1.000               |  |
|    | Total Quantity   |   |  |  |  |  | 1.000 no            |  |
|    | Total Deducted Quantity  |   |  |  |  |  | 0.000 no            |  |
|    | Net Total Quantity   |   |  |  |  |  | 1.000 no            |  |
|    | Say 1.000 no @ Rs 777364.31 / no   |   |  |  |  |  | <b>Rs 777364.31</b> |  |
| 13 | od251529/2019_2020<br>SITC of 630A Change over (automatic) in a weather proof enclosure with the necessary connections.  |   |  |  |  |  |                     |  |
|    |  | 1 |  |  |  |  | 1.000               |  |
|    | Total Quantity   |   |  |  |  |  | 1.000 each          |  |
|    | Total Deducted Quantity  |   |  |  |  |  | 0.000 each          |  |
|    | Net Total Quantity   |   |  |  |  |  | 1.000 each          |  |
|    | Say 1.000 each @ Rs 107552.07 / each   |   |  |  |  |  | <b>Rs 107552.07</b> |  |
| 14 | od251551/2019_2020<br>Supply and making end terminations for 11 kV, XLPE cable, complete with termination kit, heat shrinkable etc., complete as required.   |   |  |  |  |  |                     |  |
|    |  | 1 |  |  |  |  | 1.000               |  |
|    | Total Quantity   |   |  |  |  |  | 1.000 each          |  |
|    | Total Deducted Quantity  |   |  |  |  |  | 0.000 each          |  |
|    | Net Total Quantity   |   |  |  |  |  | 1.000 each          |  |
|    | Say 1.000 each @ Rs 81069.00 / each  |   |  |  |  |  | <b>Rs 81069.00</b>  |  |
| 15 | od252450/2019_2020<br>SITC of 135KVAr APFC Panel. Supply, installation , testing and commissioning of<br>totally enclosed compartmentalized dust and vermin proof cubical segregated and<br>modular in construction M.V. panel board free standing fabricated with14swg and<br>16swg of CRCA M.S. sheet, powder coated , bus-bar chamber ,outgoing<br>switchgear etc. (all feeder unit Would be compartmentalized), color coded PVC<br>sleeved vertical / horizontal Aluminium busbar of required size of length, (bus-bar<br>distances shall be minimum 32 mm ) insulators, hardware, neoprene gasket ,<br>hinged door, interconnecting single core multi strand lugged copper wire having<br>current density of 2A / sqmm of suitable capacity & size with lugs from busbar to<br>switchgears / MCCB / MCB or where ever required, control wiring with 1 sqmm FRLS cable, ON/OFF, RYB phase indicators, two earthing terminal busbar of size 25 x 5 mm copper with nut & bolts at outside of the panel, rating and name plates<br>for all incoming & outgoings etc. comprising with the followings as per the KEI<br>standard. Switch gears – ABB/ Equivalent, Contactors – ABB, L&T/Equivalent.<br>Incomer: 250A TPN Isolator. Outgoing: 40A 25kA 3P MCCB - 3 |   |  |  |  |  |                     |  |

|  | nos, 63A 25 kA<br>3P MCCB - 2 nos, 50A 25kA 3P MCCB - 1 nos, 25A 25kA 3P MCCB - 1 no & 16A<br>25kA 3P MCCB - 2 no. with following capacitors in steps: 15 kVAr - 3 no, 25 kVAr<br>- 2 nos, 20 kVAr - 1 no,10 kVAr - 1 no & 5 kVAr - 2 no including<br>capacitor duty contactors.   |    |   |   |   |    |          |                     |      |
|--|--|----|---|---|---|----|----------|---------------------|------|
|  |  | 1  |   |   |   |    |          | 1.000               |      |
|  | Total Quantity   |    |   |   |   |    |          | 1.000               | each |
|  | Total Deducted Quantity  |    |   |   |   |    |          | 0.000               | each |
|  | Net Total Quantity   |    |   |   |   |    |          | 1.000               | each |
|  | Say 1.000 each @ Rs 247770.41 / each   |    |   |   |   |    |          | <b>Rs 247770.41</b> |      |
| Sl No  | Description  | No | L | B | D | CF | Quantity | Remark              |      |
| <b>7 Main Building : Fire Protection Works</b> |  |    |   |   |   |    |          |                     |      |
| 1  | od249073/2019_2020<br>FIRE EXIT :- Supply & installing in position self glowing " FIRE EXIT " sign board of size 100mm x 300 mm made of luminescent safely, rigid sheet in green colour, photo luminescent rigid sheet with two each hanging chains & necessary supports to hang it on ceiling.  |    |   |   |   |    |          |                     |      |
|  | Lower Ground Floor   | 1  |   |   |   |    | 1.000    |                     |      |
|  | Ground Floor   | 1  |   |   |   |    | 1.000    |                     |      |
|  | First Floor  | 1  |   |   |   |    | 1.000    |                     |      |
|  | Total Quantity   |    |   |   |   |    |          | 3.000               | each |
|  | Total Deducted Quantity  |    |   |   |   |    |          | 0.000               | each |
|  | Net Total Quantity   |    |   |   |   |    |          | 3.000               | each |
|  | Say 3.000 each @ Rs 510.00 / each  |    |   |   |   |    |          | <b>Rs 1530.00</b>   |      |
| 2  | od249074/2019_2020<br>ESCAPE ROUTE SIGNS :- Supply & installing in position self glowing " EXIT " sign board to guide the occupants towards the exits of size 100mm x 300 mm made of luminescent safely, rigid sheet in green colour, photo luminescent rigid sheet with two each hanging chains & necessary supports to hang it on ceiling. |    |   |   |   |    |          |                     |      |
|  | Lower Ground Floor   | 2  |   |   |   |    | 2.000    |                     |      |
|  | Ground Floor   | 3  |   |   |   |    | 3.000    |                     |      |
|  | First Floor  | 2  |   |   |   |    | 2.000    |                     |      |
|  | Total Quantity   |    |   |   |   |    |          | 7.000               | each |
|  | Total Deducted Quantity  |    |   |   |   |    |          | 0.000               | each |
|  | Net Total Quantity   |    |   |   |   |    |          | 7.000               | each |
|  | Say 7.000 each @ Rs 713.00 / each  |    |   |   |   |    |          | <b>Rs 4991.00</b>   |      |
| 3  | od249076/2019_2020<br>M.S Hose Cabinet : - Providing & fixing M.S Hose cabinet door with powder coating of postal red color (of size minimum 1200mm wide, 2100mm height) made of M.S sheet 14 G with glass front door and locking arrangement to accommodate 2-hoses, one branch pipe and to accommodate F.A. hose reel in addition          |    |   |   |   |    |          |                     |      |

|   |  |   |       |  |  |  |                    |  |
|---|--|---|-------|--|--|--|--------------------|--|
|   | for internal hydrant complete as per direction of Engineer incharge.<br>   |   |       |  |  |  |                    |  |
|   | Lower Ground Floor   | 1 |       |  |  |  | 1.000              |  |
|   | Ground Floor   | 1 |       |  |  |  | 1.000              |  |
|   | First Floor  | 1 |       |  |  |  | 1.000              |  |
|   | Total Quantity   |   |       |  |  |  | 3.000 each         |  |
|   | Total Deducted Quantity  |   |       |  |  |  | 0.000 each         |  |
|   | Net Total Quantity   |   |       |  |  |  | 3.000 each         |  |
|   | Say 3.000 each @ Rs 6155.88 / each   |   |       |  |  |  | <b>Rs 18467.64</b> |  |
| 4 | od248865/2019_2020<br>Providing 63mm (2½ )" dia 15 m long canvas hose pipe complete with stainless steel male & female coupling stainless steel wire wound with the pipe The pipe shall confirm to IS. 4927. Make: ISI Approved.   |   |       |  |  |  |                    |  |
|   | LGF  | 1 |       |  |  |  | 1.000              |  |
|   | UGF  | 1 |       |  |  |  | 1.000              |  |
|   | FF   | 1 |       |  |  |  | 1.000              |  |
|   | Total Quantity   |   |       |  |  |  | 3.000 each         |  |
|   | Total Deducted Quantity  |   |       |  |  |  | 0.000 each         |  |
|   | Net Total Quantity   |   |       |  |  |  | 3.000 each         |  |
|   | Say 3.000 each @ Rs 5418.14 / each   |   |       |  |  |  | <b>Rs 16254.42</b> |  |
| 5 | od249212/2019_2020<br>Supply, installing, testing and commissioning of Fire Extinguisher dry chemical<br>powder type ISI mark, 5 kg capacity with initial charger and<br>installation<br>brackets.Make - Safex / Warrior / Intime  |   |       |  |  |  |                    |  |
|   | LGF  | 1 |       |  |  |  | 1.000              |  |
|   | UGF  | 1 |       |  |  |  | 1.000              |  |
|   | FF   | 1 |       |  |  |  | 1.000              |  |
|   | Total Quantity   |   |       |  |  |  | 3.000 each         |  |
|   | Total Deducted Quantity  |   |       |  |  |  | 0.000 each         |  |
|   | Net Total Quantity   |   |       |  |  |  | 3.000 each         |  |
|   | Say 3.000 each @ Rs 2111.07 / each   |   |       |  |  |  | <b>Rs 6333.21</b>  |  |
| 6 | od251501/2019_2020<br>7.6 : Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS<br>3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets<br>etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with<br>two or more coats of synthetic enamel paint of required shade complete as required :<br>80 mm dia |   |       |  |  |  |                    |  |
|   |  | 1 | 0.500 |  |  |  | 0.500              |  |
|   | Total Quantity   |   |       |  |  |  | 0.500 per metre    |  |



| SI No                                    | Description   | No | L      | B | D | CF | Quantity                           | Remark             |
|--|---|----|--------|---|---|----|------------------------------------|--------------------|
|  |   |    |        |   |   |    | Net Total Quantity                 | 3.000 each         |
|  |   |    |        |   |   |    | Say 3.000 each @ Rs 6147.48 / each | <b>Rs 18442.44</b> |
| <b>8 External Fire Protection System</b> |   |    |        |   |   |    |                                    |                    |
| 1  | 16.8<br>Providing and fixing in position the industrial type pressure gauges with gun metal / brass valves complete as required   |    |        |   |   |    |                                    |                    |
|  |   | 1  |        |   |   |    | 1.000                              |                    |
|  |   |    |        |   |   |    | Total Quantity                     | 1.000 each         |
|  |   |    |        |   |   |    | Total Deducted Quantity            | 0.000 each         |
|  |   |    |        |   |   |    | Net Total Quantity                 | 1.000 each         |
|  |   |    |        |   |   |    | Say 1.000 each @ Rs 1342.06 / each | <b>Rs 1342.06</b>  |
| 2  | od251493/2019_2020<br>11.5: Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with<br>bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets<br>conforming to IS 13095 of following sizes as required :100mm dia |    |        |   |   |    |                                    |                    |
|  |   | 3  |        |   |   |    | 3.000                              |                    |
|  |   |    |        |   |   |    | Total Quantity                     | 3.000 each         |
|  |   |    |        |   |   |    | Total Deducted Quantity            | 0.000 each         |
|  |   |    |        |   |   |    | Net Total Quantity                 | 3.000 each         |
|  |   |    |        |   |   |    | Say 3.000 each @ Rs 6591.55 / each | <b>Rs 19774.65</b> |
| 3  | 90.14.28.2<br>S & F Motor starters of the following ratingsThree phase DOL starters for 0.25HP to 7.5 HP motor  |    |        |   |   |    |                                    |                    |
|  |   | 1  |        |   |   |    | 1.000                              |                    |
|  |   |    |        |   |   |    | Total Quantity                     | 1.000 each         |
|  |   |    |        |   |   |    | Total Deducted Quantity            | 0.000 each         |
|  |   |    |        |   |   |    | Net Total Quantity                 | 1.000 each         |
|  |   |    |        |   |   |    | Say 1.000 each @ Rs 1625.10 / each | <b>Rs 1625.10</b>  |
| 4  | od249592/2019_2020<br>Supply and drawing of 2.5 sqmm 3 core PVC / XLPE insulated armoured control cables with copper conductors for working voltages up to and including 1100 V conforming to IS 1554 part I 1988 for PVC and IS 7098 Part I for XLPE                     |    |        |   |   |    |                                    |                    |
|  |   | 1  | 25.000 |   |   |    | 25.000                             |                    |
|  |   |    |        |   |   |    | Total Quantity                     | 25.000 metre       |
|  |   |    |        |   |   |    | Total Deducted Quantity            | 0.000 metre        |
|  |   |    |        |   |   |    | Net Total Quantity                 | 25.000 metre       |

|   |  |   |  |  |  |  |                    |  |
|---|--|---|--|--|--|--|--------------------|--|
|   | Say 25.000 metre @ Rs 354.90 / metre   |   |  |  |  |  | <b>Rs 8872.50</b>  |  |
| 5 | od251422/2019_2020<br>Providing & fixing 25mm Air release valve as per IS:14845 ISI Marked   |   |  |  |  |  |                    |  |
|   |  | 1 |  |  |  |  | 1.000              |  |
|   | Total Quantity   |   |  |  |  |  | 1.000 each         |  |
|   | Total Deducted Quantity  |   |  |  |  |  | 0.000 each         |  |
|   | Net Total Quantity   |   |  |  |  |  | 1.000 each         |  |
|   | Say 1.000 each @ Rs 1940.72 / each   |   |  |  |  |  | <b>Rs 1940.72</b>  |  |
| 6 | od251423/2019_2020<br>19.1 : Supplying and fixing of fire brigade connection of cast iron body with gun metal male<br>instantaneous inlet couplings complete with cap and chain as reqd. for suitable dia MS pipe<br>connection conforming to IS 904 as required :<br>2 way-100 mm dia M.S. Pipe   |   |  |  |  |  |                    |  |
|   |  | 1 |  |  |  |  | 1.000              |  |
|   | Total Quantity   |   |  |  |  |  | 1.000 each         |  |
|   | Total Deducted Quantity  |   |  |  |  |  | 0.000 each         |  |
|   | Net Total Quantity   |   |  |  |  |  | 1.000 each         |  |
|   | Say 1.000 each @ Rs 6777.48 / each   |   |  |  |  |  | <b>Rs 6777.48</b>  |  |
| 7 | od251424/2019_2020<br>Supplying, installation, testing and commissioning of electric driven terrace pump suitable<br>for automatic operation and consisting of following, complete in all respects, as required:<br>(Terrace Pump)<br>Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze<br>impeller with stainless steel shaft, mechanical confirming to IS : 1520<br>Suitable HP squirell cage induction motor TEFC type suitable for operation on 415 volts, 3<br>phase, 50 Hz, AC supply with IP55 class of protection for enclosure, horizontal foot mounted<br>type with Class-'F' insulation, conforming to IS-325. M.S.fabricated common base plate, coupling, coupling guard, foundation bolts etc.as<br>required.<br>Suitable cement concrete foundation duly plastered and with anti vibration pads. 450 lpm at 35 m Head |   |  |  |  |  |                    |  |
|   |  | 1 |  |  |  |  | 1.000              |  |
|   | Total Quantity   |   |  |  |  |  | 1.000 each         |  |
|   | Total Deducted Quantity  |   |  |  |  |  | 0.000 each         |  |
|   | Net Total Quantity   |   |  |  |  |  | 1.000 each         |  |
|   | Say 1.000 each @ Rs 88490.88 / each  |   |  |  |  |  | <b>Rs 88490.88</b> |  |
| 8 | od251457/2019_2020<br>7.7: Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS<br>3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets<br>etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with<br>two or more coats of synthetic enamel paint of required shade complete as required : 100 mm dia  |   |  |  |  |  |                    |  |

|                                    |   |    |        |   |   |    |                    |           |
|------------------------------------|---|----|--------|---|---|----|--------------------|-----------|
|                                    |   | 1  | 57.000 |   |   |    | 57.000             |           |
|                                    | Total Quantity  |    |        |   |   |    | 57.000             | per metre |
|                                    | Total Deducted Quantity   |    |        |   |   |    | 0.000              | per metre |
|                                    | Net Total Quantity  |    |        |   |   |    | 57.000             | per metre |
|                                    | Say 57.000 per metre @ Rs 1501.03 / per metre   |    |        |   |   |    | <b>Rs 85558.71</b> |           |
| 9                                  | od251458/2019_2020<br>14.5 : Providing, installation, testing and commissioning of non-return valve of following sizes<br>confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required :<br>100mm dia  |    |        |   |   |    |                    |           |
|                                    |   | 2  |        |   |   |    | 2.000              |           |
|                                    | Total Quantity  |    |        |   |   |    | 2.000              | each      |
|                                    | Total Deducted Quantity   |    |        |   |   |    | 0.000              | each      |
|                                    | Net Total Quantity  |    |        |   |   |    | 2.000              | each      |
|                                    | Say 2.000 each @ Rs 11163.17 / each   |    |        |   |   |    | <b>Rs 22326.34</b> |           |
| 10                                 | od251470/2019_2020<br>Providing & fixing of pressure switch in M.S. pipe line including connection etc. as required. and making the necessary wiring upto control panel   |    |        |   |   |    |                    |           |
|                                    |   | 1  |        |   |   |    | 1.000              |           |
|                                    | Total Quantity  |    |        |   |   |    | 1.000              | each      |
|                                    | Total Deducted Quantity   |    |        |   |   |    | 0.000              | each      |
|                                    | Net Total Quantity  |    |        |   |   |    | 1.000              | each      |
|                                    | Say 1.000 each @ Rs 1903.76 / each  |    |        |   |   |    | <b>Rs 1903.76</b>  |           |
| 11                                 | od253371/2019_2020<br>Below Ground Piping :- Providing, fixing, welding joints and testing of 100 mm Dia. heavy class MS ERW Black pipes as per relevant IS 1239/3589 with special accessories tees, elbows, flanged joints, rubber insertion, nuts, bolts, washers or welded joint with flange joints on bends, including fixing the pipe with suitable flat iron strip clamps/brackets structural members dash fastener,civil breakage,making good the same etc. painting with a primer coat and two coats of postal red enamel etc. complete as required. (for wet riser system) |    |        |   |   |    |                    |           |
|                                    |   | 1  | 12.000 |   |   |    | 12.000             |           |
|                                    | Total Quantity  |    |        |   |   |    | 12.000             | metre     |
|                                    | Total Deducted Quantity   |    |        |   |   |    | 0.000              | metre     |
|                                    | Net Total Quantity  |    |        |   |   |    | 12.000             | metre     |
|                                    | Say 12.000 metre @ Rs 1736.14 / metre   |    |        |   |   |    | <b>Rs 20833.68</b> |           |
| SI No                              | Description   | No | L      | B | D | CF | Quantity           | Remark    |
| <b>9 NEW SMART CLASSROOM WORKS</b> |   |    |        |   |   |    |                    |           |

|   |   |   |        |  |  |  |                    |  |
|---|---|---|--------|--|--|--|--------------------|--|
| 1 | od250176/2019_2020<br>Supply & laying of twin twisted 2x1.5 sqmm Cu flexible wire 1.1 kv grade PVC insulated through PVC conduit.   |   |        |  |  |  |                    |  |
|   | LGF   | 1 | 30.000 |  |  |  | 30.000             |  |
|   | UGF   | 1 | 30.000 |  |  |  | 30.000             |  |
|   | FF  | 1 | 30.000 |  |  |  | 30.000             |  |
|   | Total Quantity  |   |        |  |  |  | 90.000 no          |  |
|   | Total Deducted Quantity   |   |        |  |  |  | 0.000 no           |  |
|   | Net Total Quantity  |   |        |  |  |  | 90.000 no          |  |
|   | Say 90.000 no @ Rs 66.00 / no   |   |        |  |  |  | <b>Rs 5940.00</b>  |  |
| 2 | od250177/2019_2020<br>Supply, installation, testing and commissioning of Bio Metric Finger Print scan attendance system with LCD/LED display & keypad & TCPIP LAN, USB Connectivity along with Attendance monitoring & report software (Web based Terminal)<br> |   |        |  |  |  |                    |  |
|   |   | 6 |        |  |  |  | 6.000              |  |
|   | Total Quantity  |   |        |  |  |  | 6.000 each         |  |
|   | Total Deducted Quantity   |   |        |  |  |  | 0.000 each         |  |
|   | Net Total Quantity  |   |        |  |  |  | 6.000 each         |  |
|   | Say 6.000 each @ Rs 7658.00 / each  |   |        |  |  |  | <b>Rs 45948.00</b> |  |
| 3 | od250178/2019_2020<br>Supply, Installation, Testing and commissioning of 6W Wall mount speakers with perforated metal grille with line matching transformer suitable for 4 ohm impedance 200 mm dia LBD 0606/10   |   |        |  |  |  |                    |  |
|   | LGF   | 4 |        |  |  |  | 4.000              |  |
|   | UGF   | 4 |        |  |  |  | 4.000              |  |
|   | FF  | 4 |        |  |  |  | 4.000              |  |
|   | Total Quantity  |   |        |  |  |  | 12.000 each        |  |
|   | Total Deducted Quantity   |   |        |  |  |  | 0.000 each         |  |
|   | Net Total Quantity  |   |        |  |  |  | 12.000 each        |  |
|   | Say 12.000 each @ Rs 1361.00 / each   |   |        |  |  |  | <b>Rs 16332.00</b> |  |
| 4 | od250179/2019_2020<br>Supply, installation, testing and commissioning of indoor IR IP dome camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity, with IR n 480 TV lines.  |   |        |  |  |  |                    |  |
|   | LGF   | 4 |        |  |  |  | 4.000              |  |
|   | UGF   | 4 |        |  |  |  | 4.000              |  |
|   | FF  | 4 |        |  |  |  | 4.000              |  |
|   | Total Quantity  |   |        |  |  |  | 12.000 each        |  |

|   |   |   |         |  |  |  |                     |  |
|---|---|---|---------|--|--|--|---------------------|--|
|   | Total Deducted Quantity   |   |         |  |  |  | 0.000 each          |  |
|   | Net Total Quantity  |   |         |  |  |  | 12.000 each         |  |
|   | Say 12.000 each @ Rs 5957.00 / each   |   |         |  |  |  | <b>Rs 71484.00</b>  |  |
| 5 | od250180/2019_2020<br>Supply and drawing of CAT6 4 pair cable including all necessary connector.  |   |         |  |  |  |                     |  |
|   | LGF   | 1 | 76.000  |  |  |  | 76.000              |  |
|   | UGF   | 1 | 95.000  |  |  |  | 95.000              |  |
|   | FF  | 1 | 68.000  |  |  |  | 68.000              |  |
|   | Total Quantity  |   |         |  |  |  | 239.000 metre       |  |
|   | Total Deducted Quantity   |   |         |  |  |  | 0.000 metre         |  |
|   | Net Total Quantity  |   |         |  |  |  | 239.000 metre       |  |
|   | Say 239.000 metre @ Rs 39.00 / metre  |   |         |  |  |  | <b>Rs 9321.00</b>   |  |
| 6 | 1.21.2<br>Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.25 mm |   |         |  |  |  |                     |  |
|   |   | 1 | 240.000 |  |  |  | 240.000             |  |
|   | Total Quantity  |   |         |  |  |  | 240.000 metre       |  |
|   | Total Deducted Quantity   |   |         |  |  |  | 0.000 metre         |  |
|   | Net Total Quantity  |   |         |  |  |  | 240.000 metre       |  |
|   | Say 240.000 metre @ Rs 95.17 / metre  |   |         |  |  |  | <b>Rs 22840.80</b>  |  |
| 7 | od250181/2019_2020<br>Supply, installation, testing, and commissioning of LT Projector and roof mount for LT projector complete with all accessories as required.   |   |         |  |  |  |                     |  |
|   |   | 6 |         |  |  |  | 6.000               |  |
|   | Total Quantity  |   |         |  |  |  | 6.000 set           |  |
|   | Total Deducted Quantity   |   |         |  |  |  | 0.000 set           |  |
|   | Net Total Quantity  |   |         |  |  |  | 6.000 set           |  |
|   | Say 6.000 set @ Rs 24590.00 / set   |   |         |  |  |  | <b>Rs 147540.00</b> |  |
| 8 | od250182/2019_2020<br>Supply, installation, testing and commissioning of Promethean Board AB2T78 complete with all other accessories. Active inspire software will be complimentary with Promethean board.                |   |         |  |  |  |                     |  |
|   |   | 6 |         |  |  |  | 6.000               |  |
|   | Total Quantity  |   |         |  |  |  | 6.000 no            |  |
|   | Total Deducted Quantity   |   |         |  |  |  | 0.000 no            |  |

|                               |   |    |   |   |   |    |                     |        |
|-------------------------------|---|----|---|---|---|----|---------------------|--------|
|                               | Net Total Quantity  |    |   |   |   |    | 6.000 no            |        |
|                               | Say 6.000 no @ Rs 34000.00 / no   |    |   |   |   |    | <b>Rs 204000.00</b> |        |
| 9                             | od250183/2019_2020<br>Supply, installation, testing and commissioning of LAN socket.  |    |   |   |   |    |                     |        |
|                               | UGF   | 4  |   |   |   |    | 4.000               |        |
|                               | FF  | 4  |   |   |   |    | 4.000               |        |
|                               | Total Quantity  |    |   |   |   |    | 8.000 no            |        |
|                               | Total Deducted Quantity   |    |   |   |   |    | 0.000 no            |        |
|                               | Net Total Quantity  |    |   |   |   |    | 8.000 no            |        |
|                               | Say 8.000 no @ Rs 220.00 / no   |    |   |   |   |    | <b>Rs 1760.00</b>   |        |
| 10                            | od250184/2019_2020<br>Supply and installation of GI box for modular switch installation including base plate and front plate 1/2 M  |    |   |   |   |    |                     |        |
|                               | UGF   | 4  |   |   |   |    | 4.000               |        |
|                               | FF  | 4  |   |   |   |    | 4.000               |        |
|                               | Total Quantity  |    |   |   |   |    | 8.000 no            |        |
|                               | Total Deducted Quantity   |    |   |   |   |    | 0.000 no            |        |
|                               | Net Total Quantity  |    |   |   |   |    | 8.000 no            |        |
|                               | Say 8.000 no @ Rs 198.00 / no   |    |   |   |   |    | <b>Rs 1584.00</b>   |        |
| 11                            | od252551/2019_2020<br>SITC of D-Link (DIR-878) AC1900 MU-MIMO 1900Mbps Wi-Fi Router (Without Modem)   |    |   |   |   |    |                     |        |
|                               |   | 1  |   |   |   |    | 1.000               |        |
|                               | Total Quantity  |    |   |   |   |    | 1.000 each          |        |
|                               | Total Deducted Quantity   |    |   |   |   |    | 0.000 each          |        |
|                               | Net Total Quantity  |    |   |   |   |    | 1.000 each          |        |
|                               | Say 1.000 each @ Rs 5505.00 / each  |    |   |   |   |    | <b>Rs 5505.00</b>   |        |
| SI No                         | Description   | No | L | B | D | CF | Quantity            | Remark |
| <b>10 BUILDING-ELV SYSTEM</b> |   |    |   |   |   |    |                     |        |
| 1                             | od250297/2019_2020<br>Supply, Installation, Testing and commissioning Of distribution box for CCTV 6Ux600Wx600D With Front Glass Door,Side Openable Panels with Lock & Key,4Way 5A PDU,1U Cable Manager,Cooling Fan,H/W Kit10 |    |   |   |   |    |                     |        |
|                               | LGF   | 1  |   |   |   |    | 1.000               |        |
|                               | UGF   | 2  |   |   |   |    | 2.000               |        |
|                               | FF  | 1  |   |   |   |    | 1.000               |        |
|                               | Total Quantity  |    |   |   |   |    | 4.000 no            |        |





|    |   |   |  |  |  |  |                    |  |
|----|---|---|--|--|--|--|--------------------|--|
| 10 | od250178/2019_2020<br>Supply, Installation, Testing and commissioning of 6W Wall mount speakers with perforated metal grille with line matching transformer suitable for 4 ohm impedance 200 mm dia LBD 0606/10   |   |  |  |  |  |                    |  |
|    | LGF   | 5 |  |  |  |  | 5.000              |  |
|    | UGF   | 5 |  |  |  |  | 5.000              |  |
|    | FF  | 8 |  |  |  |  | 8.000              |  |
|    | Total Quantity  |   |  |  |  |  | 18.000 each        |  |
|    | Total Deducted Quantity   |   |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |  |  |  |  | 18.000 each        |  |
|    | Say 18.000 each @ Rs 1361.00 / each   |   |  |  |  |  | <b>Rs 24498.00</b> |  |
| 11 | od250303/2019_2020<br>Supply, installation, testing and commissioning of 24 Port 10/100/1000 Mbps PoE Switch.   |   |  |  |  |  |                    |  |
|    | LGF   | 1 |  |  |  |  | 1.000              |  |
|    | UGF   | 1 |  |  |  |  | 1.000              |  |
|    | Total Quantity  |   |  |  |  |  | 2.000 each         |  |
|    | Total Deducted Quantity   |   |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |  |  |  |  | 2.000 each         |  |
|    | Say 2.000 each @ Rs 26881.00 / each   |   |  |  |  |  | <b>Rs 53762.00</b> |  |
| 12 | od250304/2019_2020<br>Supply, installation, testing and commissioning of LAN socket.  |   |  |  |  |  |                    |  |
|    | UGF   | 9 |  |  |  |  | 9.000              |  |
|    | FF  | 3 |  |  |  |  | 3.000              |  |
|    | Total Quantity  |   |  |  |  |  | 12.000 each        |  |
|    | Total Deducted Quantity   |   |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |  |  |  |  | 12.000 each        |  |
|    | Say 12.000 each @ Rs 222.00 / each  |   |  |  |  |  | <b>Rs 2664.00</b>  |  |
| 13 | od250797/2019_2020<br>SITC Of 350W RMS MIXER AMPLIFIER, 3 MIC, 2 AUX, 100V/70V AND 4OHMS , BALANCED MIC,FREQUENCY RESPONSE (50 HZ-16000HZ),S/N RATIO-MIC1,2,3,4:66DB;AUX 1:80 DB,THD- LESS THAN 1% AT 1 KHZ,1/3 RATED POWER, MUTING FUNCTION-MIC 1 OVERRIDES OTHER INPUT SIGNALS WITH 0-30 DB ATTENUATION,CONTROLS-INDIVIDUAL GAIN CONTROLS, POWER SWITCH;BASS: 10DB AT 100HZ,TREBLE: 10DB AT10000HZ. |   |  |  |  |  |                    |  |
|    | UGF   | 1 |  |  |  |  | 1.000              |  |
|    | FF  | 1 |  |  |  |  | 1.000              |  |
|    | Total Quantity  |   |  |  |  |  | 2.000 each         |  |



|    |   |   |        |  |  |  |                     |  |
|----|---|---|--------|--|--|--|---------------------|--|
|    |   | 8 |        |  |  |  | 8.000               |  |
|    | Total Quantity  |   |        |  |  |  | 8.000 each          |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each          |  |
|    | Net Total Quantity  |   |        |  |  |  | 8.000 each          |  |
|    | Say 8.000 each @ Rs 132.41 / each   |   |        |  |  |  | <b>Rs 1059.28</b>   |  |
| 19 | 1.27.1<br>Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.1 or 2 Module (75mmX75mm)  |   |        |  |  |  |                     |  |
|    |   | 8 |        |  |  |  | 8.000               |  |
|    | Total Quantity  |   |        |  |  |  | 8.000 each          |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each          |  |
|    | Net Total Quantity  |   |        |  |  |  | 8.000 each          |  |
|    | Say 8.000 each @ Rs 241.38 / each   |   |        |  |  |  | <b>Rs 1931.04</b>   |  |
| 20 | od250819/2019_2020<br>Supply, Installation, Testing and commissioning of XLR cables and connectors  |   |        |  |  |  |                     |  |
|    |   | 6 |        |  |  |  | 6.000               |  |
|    | Total Quantity  |   |        |  |  |  | 6.000 each          |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each          |  |
|    | Net Total Quantity  |   |        |  |  |  | 6.000 each          |  |
|    | Say 6.000 each @ Rs 2044.00 / each  |   |        |  |  |  | <b>Rs 12264.00</b>  |  |
| 21 | od250179/2019_2020<br>Supply, installation, testing and commissioning of indoor IR IP dome camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity, with IR n 480 TV lines.  |   |        |  |  |  |                     |  |
|    | LGF   | 1 | 13.000 |  |  |  | 13.000              |  |
|    | UGF   | 1 | 11.000 |  |  |  | 11.000              |  |
|    | FF  | 1 | 9.000  |  |  |  | 9.000               |  |
|    | Total Quantity  |   |        |  |  |  | 33.000 each         |  |
|    | Total Deducted Quantity   |   |        |  |  |  | 0.000 each          |  |
|    | Net Total Quantity  |   |        |  |  |  | 33.000 each         |  |
|    | Say 33.000 each @ Rs 5957.00 / each   |   |        |  |  |  | <b>Rs 196581.00</b> |  |
| 22 | od250820/2019_2020<br>Network Video Recorder:<br>Providing & fixing Network Video Recorder 32-channel 720P or 24-channel 1080P high definition network video input and storage Support simultaneous HDMI and VGA output, resolution up to 1920x1080P/60Hz Supports 256Mbps bandwidth throughput handling, Supports 4-channe, 1080P video real-time decoding and synchronous playback Supports 8 SATA hard disk with capacity up to 4TB. |   |        |  |  |  |                     |  |

|    |  |    |        |  |  |  |                    |       |
|----|--|----|--------|--|--|--|--------------------|-------|
|    | UGF  | 1  |        |  |  |  | 1.000              |       |
|    | Total Quantity   |    |        |  |  |  | 1.000              | each  |
|    | Total Deducted Quantity  |    |        |  |  |  | 0.000              | each  |
|    | Net Total Quantity   |    |        |  |  |  | 1.000              | each  |
|    | Say 1.000 each @ Rs 50375.00 / each  |    |        |  |  |  | <b>Rs 50375.00</b> |       |
| 23 | od250821/2019_2020<br>Supply, installation, testing and commissioning of 32" Flat Screen VGA Color Monitor.<br>  |    |        |  |  |  |                    |       |
|    | UGF  | 1  |        |  |  |  | 1.000              |       |
|    | Total Quantity   |    |        |  |  |  | 1.000              | each  |
|    | Total Deducted Quantity  |    |        |  |  |  | 0.000              | each  |
|    | Net Total Quantity   |    |        |  |  |  | 1.000              | each  |
|    | Say 1.000 each @ Rs 22215.00 / each  |    |        |  |  |  | <b>Rs 22215.00</b> |       |
| 24 | od250822/2019_2020<br>Supply, Installation, testing and commissioning of Cat6 24 Port un loaded Patch Panel.   |    |        |  |  |  |                    |       |
|    |  | 2  |        |  |  |  | 2.000              |       |
|    | Total Quantity   |    |        |  |  |  | 2.000              | each  |
|    | Total Deducted Quantity  |    |        |  |  |  | 0.000              | each  |
|    | Net Total Quantity   |    |        |  |  |  | 2.000              | each  |
|    | Say 2.000 each @ Rs 1614.00 / each   |    |        |  |  |  | <b>Rs 3228.00</b>  |       |
| 25 | od250823/2019_2020<br>Supply, installation, testing and commissioning of Cat6 I/O for Patch Panel Shuttered.   |    |        |  |  |  |                    |       |
|    |  | 64 |        |  |  |  | 64.000             |       |
|    | Total Quantity   |    |        |  |  |  | 64.000             | each  |
|    | Total Deducted Quantity  |    |        |  |  |  | 0.000              | each  |
|    | Net Total Quantity   |    |        |  |  |  | 64.000             | each  |
|    | Say 64.000 each @ Rs 222.00 / each   |    |        |  |  |  | <b>Rs 14208.00</b> |       |
| 26 | 1.18.2<br>Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor,unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.2 Pair |    |        |  |  |  |                    |       |
|    |  | 1  | 80.000 |  |  |  | 80.000             |       |
|    | Total Quantity   |    |        |  |  |  | 80.000             | metre |
|    | Total Deducted Quantity  |    |        |  |  |  | 0.000              | metre |
|    | Net Total Quantity   |    |        |  |  |  | 80.000             | metre |
|    | Say 80.000 metre @ Rs 26.21 / metre  |    |        |  |  |  | <b>Rs 2096.80</b>  |       |

|    |   |   |  |  |  |  |                    |  |
|----|---|---|--|--|--|--|--------------------|--|
| 27 | od250184/2019_2020<br>Supply and installation of GI box for modular switch installation including base plate and front plate 1/2 M  |   |  |  |  |  |                    |  |
|    | UGF   | 9 |  |  |  |  | 9.000              |  |
|    | FF  | 3 |  |  |  |  | 3.000              |  |
|    | Total Quantity  |   |  |  |  |  | 12.000 no          |  |
|    | Total Deducted Quantity   |   |  |  |  |  | 0.000 no           |  |
|    | Net Total Quantity  |   |  |  |  |  | 12.000 no          |  |
|    | Say 12.000 no @ Rs 198.00 / no  |   |  |  |  |  | <b>Rs 2376.00</b>  |  |
| 28 | od250928/2019_2020<br>Supply, Installation, Testing and commissioning of Distribution box for PA distribution made out of 16 SWG CRCA sheet with lockable door arrangement having connectors (10 NOS) suitable for 1.5sqmm wire with facility for cable termination of 4cx10 sqmm ALAR. Required at each floor for PA wire termination. |   |  |  |  |  |                    |  |
|    |   | 1 |  |  |  |  | 1.000              |  |
|    | Total Quantity  |   |  |  |  |  | 1.000 each         |  |
|    | Total Deducted Quantity   |   |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |  |  |  |  | 1.000 each         |  |
|    | Say 1.000 each @ Rs 836.00 / each   |   |  |  |  |  | <b>Rs 836.00</b>   |  |
| 29 | od250946/2019_2020<br>Supply, installation, testing and commissioning of 16 Port 10/100/1000 Mbps PoE Switch.   |   |  |  |  |  |                    |  |
|    | FF  | 1 |  |  |  |  | 1.000              |  |
|    | Total Quantity  |   |  |  |  |  | 1.000 each         |  |
|    | Total Deducted Quantity   |   |  |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |  |  |  |  | 1.000 each         |  |
|    | Say 1.000 each @ Rs 14353.00 / each   |   |  |  |  |  | <b>Rs 14353.00</b> |  |
| 30 | od250947/2019_2020<br>Supply Installation testing and Commissioning of 10/100/1000 Mbps 8 Port Network Switch to provide networks and internet on class room etc.   |   |  |  |  |  |                    |  |
|    |   | 1 |  |  |  |  | 1.000              |  |
|    | Total Quantity  |   |  |  |  |  | 1.000 no           |  |
|    | Total Deducted Quantity   |   |  |  |  |  | 0.000 no           |  |
|    | Net Total Quantity  |   |  |  |  |  | 1.000 no           |  |
|    | Say 1.000 no @ Rs 4130.00 / no  |   |  |  |  |  | <b>Rs 4130.00</b>  |  |
| 31 | od250181/2019_2020<br>Supply, installation, testing, and commissioning of LT Projector and roof mount for LT projector complete with all accessories as required.   |   |  |  |  |  |                    |  |

|    |  |   |         |  |  |  |                    |  |
|----|--|---|---------|--|--|--|--------------------|--|
|    |  | 2 |         |  |  |  | 2.000              |  |
|    | Total Quantity   |   |         |  |  |  | 2.000 set          |  |
|    | Total Deducted Quantity  |   |         |  |  |  | 0.000 set          |  |
|    | Net Total Quantity   |   |         |  |  |  | 2.000 set          |  |
|    | Say 2.000 set @ Rs 24590.00 / set  |   |         |  |  |  | <b>Rs 49180.00</b> |  |
| 32 | od250182/2019_2020<br>Supply, installation, testing and commissioning of Promethean Board AB2T78 complete with all other accessories. Active inspire software will be complimentary with Promethean board. |   |         |  |  |  |                    |  |
|    |  | 2 |         |  |  |  | 2.000              |  |
|    | Total Quantity   |   |         |  |  |  | 2.000 no           |  |
|    | Total Deducted Quantity  |   |         |  |  |  | 0.000 no           |  |
|    | Net Total Quantity   |   |         |  |  |  | 2.000 no           |  |
|    | Say 2.000 no @ Rs 34000.00 / no  |   |         |  |  |  | <b>Rs 68000.00</b> |  |
| 33 | od250939/2019_2020<br>Supply, installation, testing and commissioning of Outdoor IR IP bullet camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity,with IR 480TV lines.              |   |         |  |  |  |                    |  |
|    | LGF  | 2 |         |  |  |  | 2.000              |  |
|    | UGF  | 1 |         |  |  |  | 1.000              |  |
|    | Total Quantity   |   |         |  |  |  | 3.000 each         |  |
|    | Total Deducted Quantity  |   |         |  |  |  | 0.000 each         |  |
|    | Net Total Quantity   |   |         |  |  |  | 3.000 each         |  |
|    | Say 3.000 each @ Rs 10299.00 / each  |   |         |  |  |  | <b>Rs 30897.00</b> |  |
| 34 | 1.53.1<br>Supplying and drawn of UTP 4 pair CAT 6 LAN cable in the existing surface/recessed steel/PVC conduit as required1 run of Cable   |   |         |  |  |  |                    |  |
|    | LGF  | 1 | 230.000 |  |  |  | 230.000            |  |
|    | UGF  | 1 | 150.000 |  |  |  | 150.000            |  |
|    | FF   | 1 | 150.000 |  |  |  | 150.000            |  |
|    | Total Quantity   |   |         |  |  |  | 530.000 metre      |  |
|    | Total Deducted Quantity  |   |         |  |  |  | 0.000 metre        |  |
|    | Net Total Quantity   |   |         |  |  |  | 530.000 metre      |  |
|    | Say 530.000 metre @ Rs 46.90 / metre   |   |         |  |  |  | <b>Rs 24857.00</b> |  |
| 35 | od252551/2019_2020<br>SITC of D-Link (DIR-878) AC1900 MU-MIMO 1900Mbps Wi-Fi Router (Without Modem)  |   |         |  |  |  |                    |  |
|    |  | 1 |         |  |  |  | 1.000              |  |

|                                     | Total Quantity  |    |         |   |   |    | 1.000              | each   |
|-------------------------------------|---|----|---------|---|---|----|--------------------|--------|
|                                     | Total Deducted Quantity   |    |         |   |   |    | 0.000              | each   |
|                                     | Net Total Quantity  |    |         |   |   |    | 1.000              | each   |
|                                     | Say 1.000 each @ Rs 5505.00 / each  |    |         |   |   |    | <b>Rs 5505.00</b>  |        |
| SI No                               | Description   | No | L       | B | D | CF | Quantity           | Remark |
| <b>11 EXISTING- SMART CLASSROOM</b> |   |    |         |   |   |    |                    |        |
| 1                                   | od250297/2019_2020<br>Supply, Installation, Testing and commissioning Of distribution box for CCTV 6Ux600Wx600D With Front Glass Door,Side Openable Panels with Lock & Key,4Way 5A PDU,1U Cable Manager,Cooling Fan,H/W Kit10   |    |         |   |   |    |                    |        |
|                                     |   | 1  |         |   |   |    | 1.000              |        |
|                                     | Total Quantity  |    |         |   |   |    | 1.000              | no     |
|                                     | Total Deducted Quantity   |    |         |   |   |    | 0.000              | no     |
|                                     | Net Total Quantity  |    |         |   |   |    | 1.000              | no     |
|                                     | Say 1.000 no @ Rs 7611.00 / no  |    |         |   |   |    | <b>Rs 7611.00</b>  |        |
| 2                                   | od250176/2019_2020<br>Supply & laying of twin twisted 2x1.5 sqmm Cu flexible wire 1.1 kv grade PVC insulated through PVC conduit.   |    |         |   |   |    |                    |        |
|                                     |   | 1  | 180.000 |   |   |    | 180.000            |        |
|                                     | Total Quantity  |    |         |   |   |    | 180.000            | no     |
|                                     | Total Deducted Quantity   |    |         |   |   |    | 0.000              | no     |
|                                     | Net Total Quantity  |    |         |   |   |    | 180.000            | no     |
|                                     | Say 180.000 no @ Rs 66.00 / no  |    |         |   |   |    | <b>Rs 11880.00</b> |        |
| 3                                   | od250797/2019_2020<br>SITC Of 350W RMS MIXER AMPLIFIER, 3 MIC, 2 AUX, 100V/70V AND 4OHMS , BALANCED MIC,FREQUENCY RESPONSE (50 HZ-16000HZ),S/N RATIO-MIC1,2,3,4:66DB;AUX 1:80 DB,THD- LESS THAN 1% AT 1 KHZ,1/3 RATED POWER, MUTING FUNCTION-MIC 1 OVERRIDES OTHER INPUT SIGNALS WITH 0-30 DB ATTENUATION,CONTROLS-INDIVIDUAL GAIN CONTROLS, POWER SWITCH;BASS: 10DB AT 100HZ,TREBLE: 10DB AT10000HZ. |    |         |   |   |    |                    |        |
|                                     |   | 1  |         |   |   |    | 1.000              |        |
|                                     | Total Quantity  |    |         |   |   |    | 1.000              | each   |
|                                     | Total Deducted Quantity   |    |         |   |   |    | 0.000              | each   |
|                                     | Net Total Quantity  |    |         |   |   |    | 1.000              | each   |
|                                     | Say 1.000 each @ Rs 28129.00 / each   |    |         |   |   |    | <b>Rs 28129.00</b> |        |
| 4                                   | od250301/2019_2020<br>Supply, installation, testing and commissioning of 10/100/1000 Mbps 16 Port Network Switch to provide networks and internet on class room etc   |    |         |   |   |    |                    |        |

|   |   |    |         |  |  |  |                    |       |
|---|---|----|---------|--|--|--|--------------------|-------|
|   |   | 1  |         |  |  |  | 1.000              |       |
|   | Total Quantity  |    |         |  |  |  | 1.000              | each  |
|   | Total Deducted Quantity   |    |         |  |  |  | 0.000              | each  |
|   | Net Total Quantity  |    |         |  |  |  | 1.000              | each  |
|   | Say 1.000 each @ Rs 6305.00 / each  |    |         |  |  |  | <b>Rs 6305.00</b>  |       |
| 5 | od250177/2019_2020<br>Supply, installation, testing and commissioning of Bio Metric Finger Print scan attendance system with LCD/LED display & keypad & TCPIP LAN, USB Connectivity along with Attendance monitoring & report software (Web based Terminal)<br> |    |         |  |  |  |                    |       |
|   |   | 9  |         |  |  |  | 9.000              |       |
|   | Total Quantity  |    |         |  |  |  | 9.000              | each  |
|   | Total Deducted Quantity   |    |         |  |  |  | 0.000              | each  |
|   | Net Total Quantity  |    |         |  |  |  | 9.000              | each  |
|   | Say 9.000 each @ Rs 7658.00 / each  |    |         |  |  |  | <b>Rs 68922.00</b> |       |
| 6 | od250302/2019_2020<br>Supply and laying of Cat6 outdoor cable including necessary connectors<br>  |    |         |  |  |  |                    |       |
|   |   | 1  | 120.000 |  |  |  | 120.000            |       |
|   | Total Quantity  |    |         |  |  |  | 120.000            | metre |
|   | Total Deducted Quantity   |    |         |  |  |  | 0.000              | metre |
|   | Net Total Quantity  |    |         |  |  |  | 120.000            | metre |
|   | Say 120.000 metre @ Rs 85.00 / metre  |    |         |  |  |  | <b>Rs 10200.00</b> |       |
| 7 | od250178/2019_2020<br>Supply, Installation, Testing and commissioning of 6W Wall mount speakers with perforated metal grille with line matching transformer suitable for 4 ohm impedance 200 mm dia LBD 0606/10   |    |         |  |  |  |                    |       |
|   |   | 18 |         |  |  |  | 18.000             |       |
|   | Total Quantity  |    |         |  |  |  | 18.000             | each  |
|   | Total Deducted Quantity   |    |         |  |  |  | 0.000              | each  |
|   | Net Total Quantity  |    |         |  |  |  | 18.000             | each  |
|   | Say 18.000 each @ Rs 1361.00 / each   |    |         |  |  |  | <b>Rs 24498.00</b> |       |
| 8 | od250304/2019_2020<br>Supply, installation, testing and commissioning of LAN socket.  |    |         |  |  |  |                    |       |
|   |   | 9  |         |  |  |  | 9.000              |       |
|   | Total Quantity  |    |         |  |  |  | 9.000              | each  |
|   | Total Deducted Quantity   |    |         |  |  |  | 0.000              | each  |
|   | Net Total Quantity  |    |         |  |  |  | 9.000              | each  |

|    |   |  |    |  |  |  |  |                                   |                    |
|----|---|--|----|--|--|--|--|-----------------------------------|--------------------|
|    |   |  |    |  |  |  |  | Say 9.000 each @ Rs 222.00 / each | <b>Rs 1998.00</b>  |
| 9  | od250928/2019_2020<br>Supply, Installation, Testing and commissioning of Distribution box for PA distribution made out of 16 SWG CRCA sheet with lockable door arrangement having connectors (10 NOS) suitable for 1.5sqmm wire with facility for cable termination of 4cx10 sqmm ALAR. Required at each floor for PA wire termination.   |  |    |  |  |  |  |                                   |                    |
|    |   |  | 1  |  |  |  |  |                                   | 1.000              |
|    | Total Quantity  |  |    |  |  |  |  |                                   | 1.000 each         |
|    | Total Deducted Quantity   |  |    |  |  |  |  |                                   | 0.000 each         |
|    | Net Total Quantity  |  |    |  |  |  |  |                                   | 1.000 each         |
|    | Say 1.000 each @ Rs 836.00 / each   |  |    |  |  |  |  |                                   | <b>Rs 836.00</b>   |
| 10 | od250819/2019_2020<br>Supply, Installation, Testing and commissioning of XLR cables and connectors  |  |    |  |  |  |  |                                   |                    |
|    |   |  | 4  |  |  |  |  |                                   | 4.000              |
|    | Total Quantity  |  |    |  |  |  |  |                                   | 4.000 each         |
|    | Total Deducted Quantity   |  |    |  |  |  |  |                                   | 0.000 each         |
|    | Net Total Quantity  |  |    |  |  |  |  |                                   | 4.000 each         |
|    | Say 4.000 each @ Rs 2044.00 / each  |  |    |  |  |  |  |                                   | <b>Rs 8176.00</b>  |
| 11 | od250179/2019_2020<br>Supply, installation, testing and commissioning of indoor IR IP dome camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity, with IR n 480 TV lines.  |  |    |  |  |  |  |                                   |                    |
|    |   |  | 16 |  |  |  |  |                                   | 16.000             |
|    | Total Quantity  |  |    |  |  |  |  |                                   | 16.000 each        |
|    | Total Deducted Quantity   |  |    |  |  |  |  |                                   | 0.000 each         |
|    | Net Total Quantity  |  |    |  |  |  |  |                                   | 16.000 each        |
|    | Say 16.000 each @ Rs 5957.00 / each   |  |    |  |  |  |  |                                   | <b>Rs 95312.00</b> |
| 12 | od250820/2019_2020<br>Network Video Recorder:<br>Providing & fixing Network Video Recorder 32-channel 720P or 24-channel 1080P high definition network video input and storage Support simultaneous HDMI and VGA output, resolution up to 1920x1080P/60Hz Supports 256Mbps bandwidth throughput handling, Supports 4-channe, 1080P video real-time decoding and synchronous playback Supports 8 SATA hard disk with capacity up to 4TB. |  |    |  |  |  |  |                                   |                    |
|    |   |  | 1  |  |  |  |  |                                   | 1.000              |
|    | Total Quantity  |  |    |  |  |  |  |                                   | 1.000 each         |
|    | Total Deducted Quantity   |  |    |  |  |  |  |                                   | 0.000 each         |
|    | Net Total Quantity  |  |    |  |  |  |  |                                   | 1.000 each         |

|    |   |                                     |  |  |  |  |                     |  |
|----|---|-------------------------------------|--|--|--|--|---------------------|--|
|    |   | Say 1.000 each @ Rs 50375.00 / each |  |  |  |  | <b>Rs 50375.00</b>  |  |
| 13 | od251265/2019_2020<br>Supply, installation, testing and commissioning of wall mounted 15Ux600Wx600D With Front Glass Door With Lock & Key,Side Openable Panels with Lock & Key,6Way 5A PDU,1U Cable Manager,Cooling Fan,H/W Kit10 |                                     |  |  |  |  |                     |  |
|    |   | 2                                   |  |  |  |  | 2.000               |  |
|    | Total Quantity  |                                     |  |  |  |  | 2.000 each          |  |
|    | Total Deducted Quantity   |                                     |  |  |  |  | 0.000 each          |  |
|    | Net Total Quantity  |                                     |  |  |  |  | 2.000 each          |  |
|    | Say 2.000 each @ Rs 8699.00 / each  |                                     |  |  |  |  | <b>Rs 17398.00</b>  |  |
| 14 | od250946/2019_2020<br>Supply, installation, testing and commissioning of 16 Port 10/100/1000 Mbps PoE Switch.   |                                     |  |  |  |  |                     |  |
|    |   | 1                                   |  |  |  |  | 1.000               |  |
|    | Total Quantity  |                                     |  |  |  |  | 1.000 each          |  |
|    | Total Deducted Quantity   |                                     |  |  |  |  | 0.000 each          |  |
|    | Net Total Quantity  |                                     |  |  |  |  | 1.000 each          |  |
|    | Say 1.000 each @ Rs 14353.00 / each   |                                     |  |  |  |  | <b>Rs 14353.00</b>  |  |
| 15 | od250181/2019_2020<br>Supply, installation, testing, and commissioning of LT Projector and roof mount for LT projector complete with all accessories as required.   |                                     |  |  |  |  |                     |  |
|    |   | 9                                   |  |  |  |  | 9.000               |  |
|    | Total Quantity  |                                     |  |  |  |  | 9.000 set           |  |
|    | Total Deducted Quantity   |                                     |  |  |  |  | 0.000 set           |  |
|    | Net Total Quantity  |                                     |  |  |  |  | 9.000 set           |  |
|    | Say 9.000 set @ Rs 24590.00 / set   |                                     |  |  |  |  | <b>Rs 221310.00</b> |  |
| 16 | od250182/2019_2020<br>Supply, installation, testing and commissioning of Promethean Board AB2T78 complete with all other accessories. Active inspire software will be complimentary with Promethean board.                        |                                     |  |  |  |  |                     |  |
|    |   | 9                                   |  |  |  |  | 9.000               |  |
|    | Total Quantity  |                                     |  |  |  |  | 9.000 no            |  |
|    | Total Deducted Quantity   |                                     |  |  |  |  | 0.000 no            |  |
|    | Net Total Quantity  |                                     |  |  |  |  | 9.000 no            |  |
|    | Say 9.000 no @ Rs 34000.00 / no   |                                     |  |  |  |  | <b>Rs 306000.00</b> |  |
| 17 | od250184/2019_2020<br>Supply and installation of GI box for modular switch installation including base plate and front plate 1/2 M  |                                     |  |  |  |  |                     |  |

|    |   |   |         |  |  |  |                    |  |
|----|---|---|---------|--|--|--|--------------------|--|
|    |   | 9 |         |  |  |  | 9.000              |  |
|    | Total Quantity  |   |         |  |  |  | 9.000 no           |  |
|    | Total Deducted Quantity   |   |         |  |  |  | 0.000 no           |  |
|    | Net Total Quantity  |   |         |  |  |  | 9.000 no           |  |
|    | Say 9.000 no @ Rs 198.00 / no   |   |         |  |  |  | <b>Rs 1782.00</b>  |  |
| 18 | od241859/2019_2020<br>Supply, installation, testing and commissioning of 32" Flat Screen VGA Color Monitor.   |   |         |  |  |  |                    |  |
|    |   | 1 |         |  |  |  | 1.000              |  |
|    | Total Quantity  |   |         |  |  |  | 1.000 no           |  |
|    | Total Deducted Quantity   |   |         |  |  |  | 0.000 no           |  |
|    | Net Total Quantity  |   |         |  |  |  | 1.000 no           |  |
|    | Say 1.000 no @ Rs 22000.00 / no   |   |         |  |  |  | <b>Rs 22000.00</b> |  |
| 19 | od251267/2019_2020<br>Supply, Installation, testing and commissioning of Cat6 16 Port un loaded Patch Panel.  |   |         |  |  |  |                    |  |
|    |   | 1 |         |  |  |  | 1.000              |  |
|    | Total Quantity  |   |         |  |  |  | 1.000 no           |  |
|    | Total Deducted Quantity   |   |         |  |  |  | 0.000 no           |  |
|    | Net Total Quantity  |   |         |  |  |  | 1.000 no           |  |
|    | Say 1.000 no @ Rs 874.00 / no   |   |         |  |  |  | <b>Rs 874.00</b>   |  |
| 20 | 1.14.1<br>Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire      |   |         |  |  |  |                    |  |
|    |   | 1 | 180.000 |  |  |  | 180.000            |  |
|    | Total Quantity  |   |         |  |  |  | 180.000 metre      |  |
|    | Total Deducted Quantity   |   |         |  |  |  | 0.000 metre        |  |
|    | Net Total Quantity  |   |         |  |  |  | 180.000 metre      |  |
|    | Say 180.000 metre @ Rs 154.48 / metre   |   |         |  |  |  | <b>Rs 27806.40</b> |  |
| 21 | 1.14.2<br>Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire |   |         |  |  |  |                    |  |
|    |   | 1 | 280.000 |  |  |  | 280.000            |  |
|    | Total Quantity  |   |         |  |  |  | 280.000 metre      |  |
|    | Total Deducted Quantity   |   |         |  |  |  | 0.000 metre        |  |



|    |   |   |         |  |  |  |                    |  |
|----|---|---|---------|--|--|--|--------------------|--|
|    | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet                         |   |         |  |  |  |                    |  |
|    |   | 9 |         |  |  |  | 9.000              |  |
|    | Total Quantity  |   |         |  |  |  | 9.000 each         |  |
|    | Total Deducted Quantity   |   |         |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |         |  |  |  | 9.000 each         |  |
|    | Say 9.000 each @ Rs 211.03 / each   |   |         |  |  |  | <b>Rs 1899.27</b>  |  |
| 27 | 1.27.2<br>Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)  |   |         |  |  |  |                    |  |
|    |   | 9 |         |  |  |  | 9.000              |  |
|    | Total Quantity  |   |         |  |  |  | 9.000 each         |  |
|    | Total Deducted Quantity   |   |         |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |         |  |  |  | 9.000 each         |  |
|    | Say 9.000 each @ Rs 255.17 / each   |   |         |  |  |  | <b>Rs 2296.53</b>  |  |
| 28 | 1.27.4<br>Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)  |   |         |  |  |  |                    |  |
|    |   | 9 |         |  |  |  | 9.000              |  |
|    | Total Quantity  |   |         |  |  |  | 9.000 each         |  |
|    | Total Deducted Quantity   |   |         |  |  |  | 0.000 each         |  |
|    | Net Total Quantity  |   |         |  |  |  | 9.000 each         |  |
|    | Say 9.000 each @ Rs 355.86 / each   |   |         |  |  |  | <b>Rs 3202.74</b>  |  |
| 29 | 1.53.1<br>Supplying and drawn of UTP 4 pair CAT 6 LAN cable in the existing surface/recessed steel/PVC conduit as required1 run of Cable  |   |         |  |  |  |                    |  |
|    |   | 1 | 620.000 |  |  |  | 620.000            |  |
|    | Total Quantity  |   |         |  |  |  | 620.000 metre      |  |
|    | Total Deducted Quantity   |   |         |  |  |  | 0.000 metre        |  |
|    | Net Total Quantity  |   |         |  |  |  | 620.000 metre      |  |
|    | Say 620.000 metre @ Rs 46.90 / metre  |   |         |  |  |  | <b>Rs 29078.00</b> |  |
| 30 | 1.21.2<br>Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.25 mm |   |         |  |  |  |                    |  |
|    |   | 1 | 620.000 |  |  |  | 620.000            |  |

|  |  |    |    |   |   |    |          |                                      |                    |
|--|--|----|----|---|---|----|----------|--------------------------------------|--------------------|
|  |  |    |    |   |   |    |          | Total Quantity                       | 620.000 metre      |
|  |  |    |    |   |   |    |          | Total Deducted Quantity              | 0.000 metre        |
|  |  |    |    |   |   |    |          | Net Total Quantity                   | 620.000 metre      |
|  |  |    |    |   |   |    |          | Say 620.000 metre @ Rs 95.17 / metre | <b>Rs 59005.40</b> |
| 31   | od250823/2019_2020<br>Supply, installation, testing and commissioning of Cat6 I/O for Patch Panel Shuttered. |    |    |   |   |    |          |                                      |                    |
|  |  |    | 16 |   |   |    |          |                                      | 16.000             |
|  |  |    |    |   |   |    |          | Total Quantity                       | 16.000 each        |
|  |  |    |    |   |   |    |          | Total Deducted Quantity              | 0.000 each         |
|  |  |    |    |   |   |    |          | Net Total Quantity                   | 16.000 each        |
|  |  |    |    |   |   |    |          | Say 16.000 each @ Rs 222.00 / each   | <b>Rs 3552.00</b>  |
| 32   | od252551/2019_2020<br>SITC of D-Link (DIR-878) AC1900 MU-MIMO 1900Mbps Wi-Fi Router (Without Modem)          |    |    |   |   |    |          |                                      |                    |
|  |  |    | 1  |   |   |    |          |                                      | 1.000              |
|  |  |    |    |   |   |    |          | Total Quantity                       | 1.000 each         |
|  |  |    |    |   |   |    |          | Total Deducted Quantity              | 0.000 each         |
|  |  |    |    |   |   |    |          | Net Total Quantity                   | 1.000 each         |
|  |  |    |    |   |   |    |          | Say 1.000 each @ Rs 5505.00 / each   | <b>Rs 5505.00</b>  |
| SI No  | Description  | No | L  | B | D | CF | Quantity | Remark                               |                    |
| <b>12 Contingencies</b>  |  |    |    |   |   |    |          |                                      |                    |
| Lump-Sum Total   |  |    |    |   |   |    |          | <b>Rs 102680.00</b>                  |                    |
| Provision for GST payments (in %) @                              |  |    |    |   |   |    |          | <b>12.0%</b>                         |                    |
| Amount reserved for GST payments                                 |  |    |    |   |   |    |          | <b>1244473.64</b>                    |                    |
| Total  |  |    |    |   |   |    |          | <b>11615087.64</b>                   |                    |
| Lumpsum for round off  |  |    |    |   |   |    |          | <b>0.00</b>                          |                    |
| <b>TOTAL Rs 11615087.64</b>                                      |  |    |    |   |   |    |          |                                      |                    |
| <b>Rounded Total Rs 1,16,15,088</b>                              |  |    |    |   |   |    |          |                                      |                    |
| Rupees One Crore Sixteen Lakh Fifteen Thousand Eighty Eight Only |  |    |    |   |   |    |          |                                      |                    |

(Cost Index Applied for this estimate is 37.93%)