



# বিদ্যুৎ-যান্ত্রিক কাজের দামের তালিকা (প্রথম ভাগ) Schedule of Rates for Electrical-Mechanical Works (Volume-1)



নগর উন্নয়ন ও পৌরবিষয়ক দপ্তর  
Urban Development and Municipal Affairs Department

পশ্চিমবঙ্গ সরকার  
Government of West Bengal

অক্টোবর, ২০১৮

October, 2018

বিদ্যুৎ-যান্ত্রিক কাজের দামের তালিকা (প্রথম ভাগ)  
**Schedule of Rates for Electrical-Mechanical Works**  
**(Volume-1)**

নগর উন্নয়ন ও পৌরবিষয়ক দপ্তর  
**Urban Development and Municipal Affairs Department**  
পশ্চিমবঙ্গ সরকার  
**Government of West Bengal**

অক্টোবর, ২০১৮

October, 2018



## Preface

Over the last few years with varying aspect from dedications which comes before the introduction, foreword which is not interchangeable but it is important to introduce and focus to different sections for application of this Schedule of rates (SOR), SOR of Public Works Department (PWD) are used throughout the State of West Bengal in all types of works of Civil, Roads, Electrical and Mechanical Schedule of PWD are prepared mainly on general scope of PWD where required. All the scope of electrical/mechanical works like street lighting works, pumping station works, crematorium works, Building works (electrical) etc are not available in PWD SOR.

The Schedule of Rates covered in this SOR are the Electrical/Mechanical works which are not included in PWD (WB) SORs. However to arrive the rates for consolidated items (which are frequently used by the different organizations under this department) the rates of different kind of labours and materials have been taken from the PWD Schedule of rates Government of West Bengal.

So, in terms of notification No-879/MA/C-1/Misc-19/2018 dt-17.07.2018 of UD & MA Department. This Schedule of rates (SOR), for Electrical/Mechanical has been prepared, to avoid handling problem and reducing the probability of committing error during preparation of estimates, as well.

In this SOR the cost of material and the cost of labour have been considered as per the present rates. The rates of materials which are not available in the SOR of PWD have been taken from the present market rate.

GST and Construction Labour Welfare Cess (1%) have not been considered within the rate of item of works. These are to be added separately during preparation of actual estimate.

This will take effect on & from 10<sup>th</sup> October, 2018.

The SOR has been prepared under a time-constraint manner, though all efforts have been taken for keeping this publication error free. However, effective suggestion for any correction, addition, addendum & alteration is always welcome for any further betterment in future.

It is pertinent to mention here that if any other item of works that may be frequently required for execution of E/M works in future shall be added to this SOR either as addendum or revised SOR. The methodology attached has may be considered for preparation of rates against the items which are not considered in the SOR.

Lastly, we on behalf of the Schedule committee would like to convey our sincere thanks to those Engineer Officers who have co-operated with suggestions and also expect fruitful comments and suggestions from all concerns in future, as ever.

Disclaimer:

The rates taken in this Schedule are indicative and actual rates shall be governed by the market forces. Further it's use by the government departments, PSUs, Private Bodies and individuals shall be at their own risk and discretion. MA & UD Department, Govt. of West Bengal shall not be responsible for any ambiguity, discrepancy, dispute or financial loss arising directly or indirectly by using or following SOR by such government department/PSUs/Private Bodies/Individuals.



Member-Convenor, The SOR Committee  
& Secretary, MED



The Chairman, The SOR Committee  
& the CEO, KMDA

Chief Executive Officer  
KMDA



## Methodology for derivation of RATES of the Non-Scheduled Items by the concerned Sectoral Head

|        |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Step-1 |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| a.     | Having Published Price List of the Manufacturers                                                                                                                                                                                                                                                                                                                                                                      |
| b.     | To invite budgetary offer from the manufacturers by communication, if any published price list in manufacturers website is not available; In that case minimum 3 nos. rate to be collected. If not, reasons to be specified.                                                                                                                                                                                          |
| c.     | To invite budgetary offer from authorized agencies of manufactures, if any where rate from manufacturers is not available; In that case minimum 3 nos. rate to be collected. If not reasons to be specified                                                                                                                                                                                                           |
| d.     | To invite budgetary offer from vendors where rates are not available from the manufactures/ authorized agencies of manufactures. In that case minimum 3 nos. rate to be collected. If not, reasons to be specified.                                                                                                                                                                                                   |
| e.     | In cases of works where procurement & installation or servicing works involves professionals expertise (to be ascertained by the concerned department with due certification of the Sectoral Head), budgetary offer can be collected from the experienced vendors/agencies etc. who have executed similar type of works previously, in that case minimum 3 nos rate to be collected. If not, reasons to be specified. |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Step-2 |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| a.     | In case of the works whether labour/technical experts, if any (to be ascertained by the concerned department with due certification of the Sectoral Head) are involved, analysis is to be furnished by the department for execution of particular items of job. In that case minimum 3 nos. rate to be collected. If not, reasons to be specified.                                                                    |

Case-I In case of Procurement – having the Published Price List of the Manufacturer

| Sl. No. | Description                      | Amount | Remarks                                                                                   |
|---------|----------------------------------|--------|-------------------------------------------------------------------------------------------|
| 1       | Material Cost                    | A      | Respective rate as stated in above (Steps) i.e. Published Price List of the Manufacturers |
| 2       | Freight & Insurance              | B      | Do                                                                                        |
| 3       | Total Base Rate of Complete Item | A + B  | The derived rates are exclusive of GST & LWC                                              |

Case-II In case of Procurement – having Budgetary Offer

| Sl. No. | Description                      | Amount                | Remarks                                            |
|---------|----------------------------------|-----------------------|----------------------------------------------------|
| 1       | Material Cost                    | A                     | Respective offered rate as stated in above (Steps) |
| 2       | Freight & Insurance              | B                     | Do                                                 |
| 3       | Add Contractors' Profit @10%     | 10% of (A + B)<br>= C | As considered in Latest SOR PWD Govt. of W.B.      |
| 4       | Total Base Rate of Complete Item | A + B + C             | The derived rates exclusive of GST & LWC           |



| Case-III | In case of Composite type of items/where Material & Labour both are involved - having Budgetary Offer |              |                                              |
|----------|-------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------|
| Sl. No.  | Description                                                                                           | Amount       | Remarks                                      |
| 1        | Composite type of item Cost                                                                           | A            | Respective offered rate as stated in above   |
| 2        | Add Contractors' Profit @ 10%                                                                         | 10% of A = B | As considered in Latest SOR PWD Govt. of     |
| 3        | Total Base Rate of Complete Item                                                                      | A + B = C    | The derived rates are exclusive of GST & LWC |

| Case-IV | In case of Works / Servicing with Materials |                                |                                                                                                 |
|---------|---------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------|
| Sl. No. | Description                                 | Amount                         | Remarks                                                                                         |
| 1       | Material Cost & freight cost                | A                              | Respective offered rate as stated in above (Steps)                                              |
| 2       | Labour / Technical Expert cost              | B                              | As considered in Latest SOR PWD Govt. of W.B./ Respective offered rate as stated in above steps |
| 3       | Tools, Tackles & allied Accessories @ 1%    | 1% of B = C                    | As considered in Latest SOR PWD Govt. of W.B.                                                   |
| 4       | Sundries @ 1%                               | 1% of (E + C) = D              | DO                                                                                              |
| 5       | Overhead Charges @ 5%                       | 5% of (B + C + D) = E          | DO                                                                                              |
| 6       | Add Contractors' Profit @ 10%               | 10% of (A + B + C + D + E) = F | DO                                                                                              |
| 7       | Total Base Rate of Complete Item            | A + B + C + D + E + F          | The derived rates are exclusive of GST & LWC                                                    |

In case of the works where professional experts (to be ascertained by the concerned department) are involved (Manimum 3 nos rate to be collected, if not reasons to be specified

| Case-V  | In case of any maintenance work without materials involvement- |                            |                                                                                                  |
|---------|----------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------|
| Sl. No. | Description                                                    | Amount                     | Remarks                                                                                          |
| 1       | Labour / Technical Expert cost                                 | A                          | As considered in Latest SOR PWD Govt. of W.B. / Respective offered rate as stated in above Steps |
| 2       | Tools, Tackles & allied Accessories @ 1%                       | 1% of A = B                | As considered in Latest SOR PWD Govt of W.B.                                                     |
| 3       | Sundries @ 1%                                                  | 1% of (A + B) = C          | DO                                                                                               |
| 4       | Overhead Charges @ 5%                                          | 5% of (A + B + C) = D      | DO                                                                                               |
| 5       | Add Contractors' Profit @ 10%                                  | 10% of (A + B + C + D) = E | DO                                                                                               |
| 6       | Total Base Rate of Complete Item                               | A + B + C + D + E          | The derived rates are exclusive of G ST & L WC                                                   |



# INDEX

| SL NO | CONTENT                                                                             | PAGE INDEX | PAGE NO |
|-------|-------------------------------------------------------------------------------------|------------|---------|
| 1     | Outdoor Lighting Installation Steel Tubular Pole/M.S. Pipe/G.I. Pipe, Pole CAP etc. | A          | 1-8     |
| 2     | Supply and/or Fixing Item                                                           | B          | 9-28    |
| 3     | CABLE JOINTING & END TERMINATION                                                    | C          | 29-32   |
| 4     | MAINTENANCE AND MANAGEMENT OF INDOOR/OUTDOOR ELCETRICAL INSTALLATIONS               | D          | 33-36   |
| 5     | Electric creametorium for human being                                               | E          | 37-46   |
| 6     | Hiring Item                                                                         | F          | 47-50   |
| 7     | High Mast for illumination System                                                   | G          | 51-54   |
| 8     | Solar systems & materials                                                           | H          | 55-58   |



# **A-Series**

**(RATE)**

**UD & MA SCHEDULE**



## A-Series

## Outdoor Lighting Installation Steel Tubular Pole/M.S Pipe/G.I Pipe, pole CAP etc

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 1             | Supplying of Swaged Steel Tubular pole (IS 2713, Pt. II 1980) for following designation and of following dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |                                    |
| a             | 4 SWG; 4.5mtrs; 40 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Each | 3541.00                            |
| b             | 4 SWG ;5.0 mtrs; 45 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 4216.00                            |
| c             | 4 SWG ;6.0 mtrs; 54 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 4853.00                            |
| d             | 410-SP-1; 7.0 mtrs: 62.00Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Each | 5383.00                            |
| e             | 410-SP-9 ; 7.5mtrs: 110Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Each | 9550.00                            |
| f             | 410-SP-11; 8.0 mtrs: 83.00Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Each | 7206.00                            |
| g             | 410-SP-21; 8.5 mtrs: 129Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 11199.00                           |
| h             | 410-SP-24; 8.5 mtrs: 158 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Each | 13717.00                           |
| i             | 410-SP-30 ; 9.0mtrs: 133 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Each | 11547.00                           |
| j             | 410-SP-33; 9.0mtrs: 164 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 14238.00                           |
| k             | 410-SP-53; 11.0mtrs: 183 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Each | 15888.00                           |
| l             | 410-SP-60; 12.0mtrs: 208 Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Each | 18058.00                           |
|               | (Outside dia& thickness are given in annexure-I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |                                    |
| 2             | Supplying 80 mm dia G.I. pipe (JINDAL/equivalent) 3.25 m long (approx) in C.C foundation 0.46 m* 0.4m*0.9 m depth of 1:3:6 mixture with stone chips and supplying and fixing base plate including muffing of 0.3m*0.3m painting with 2 coats of Aluminum paint over a coat of red oxide and numbering and S/F earth bolt, cable entry socket etc                                                                                                                                                                                                                                                                                                                                                         | Each | 3476.00                            |
| 3             | Supplying and fixing of G.I. Pole Cap for suitable size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 197.00                             |
| 4             | Erection of Minipole of height 3.25 mtr to 5.0 mtr. in C.C Foundation 0.46 m * 0.46 m * 0.9 mtr depth of 1:3:6 cement concrete with hard jhama metal / stone chips including muffing of 0.3 m * 0.3 m * 0.3 m painting the pole with 2 coats of Aluminium paint over a coat red oxide.                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 1605.00                            |
| 5             | Supplying and fixing of M.S. sole plate (450 x 450 x 6m)At the bottom of the pole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Each | 887.00                             |
| 6a            | Erection of single steel tubular pole up to 9m including MS sole plate (23 m dia * 6 m thick ) cap etc over flyover bridge etc with C.C foundation (4:3:1) with graded stone chip (3/4" down) surrounding the pole base 2' * 2' up to a height of 1.35 m (4.1/2") from the pole base with 2 coats of black paint and then fixing the pole by means of 3 nos 4" * 1.1/2" * 1/4" clamps to the fencing of the bridge at a suitable distance and providing the passage of wire / cable leading through hard polythene pipe (1.1/2") and also ebonite sheet 4-way ebonite terminal connector block including connection with lug by crimping arrangement and also neat cementing of pole base and finishing. | Each | 4280.00                            |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                       | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 6b            | Erection of single steel tubular pole.....do.....without loopbox                                                                                                                                                                                                                                                                                                                           | Each | 3822.00                            |
| 7             | Supplying and Erection of additional foundation having Dimension of 600 * 600 * 600 mm C.C foundation (6:3:1) with graded stone chips (3/4" down) providing R.B. Net of 2" * 4" in size including neat cementing.                                                                                                                                                                          | Each | 1208.00                            |
| 8             | Construction of foundation of existing pole below G.L. having of dimension of 0.6 x 0.6 x 0.6 mtr (2'x 2'x2') with graded stone chips (19mm down) in cement concrete proportion of 6:3:1 after necessary excavation including scraping .                                                                                                                                                   | Each | 1171.00                            |
| 9             | Painting steel tubular pole including projected arm bracket with one coat of red oxide primer and two coats with silverlac Al. paint (Scraping where necessary). Pole painting upto 5mtr. Pole                                                                                                                                                                                             | Each | 183.00                             |
| 10            | Painting steel tubular pole including projected arm bracket with one coat of red oxide primer and two coats with silverlac Al. paint etc. (Scraping where necessary).Painting upto 7 mtr Pole                                                                                                                                                                                              | Each | 256.00                             |
| 11            | S/F 2-way carrying bracket of M.S. angle of section 40 mm x 40mm x 6 mm and of length 600 mm including providing 75 mm x 88 mm insulator.                                                                                                                                                                                                                                                  | Each | -198.00                            |
| 12            | S/F 3-way carrying bracket of M.S. angle of section 40x40x6 mm and of length 750 mm including providing 75 mm x 88 mm insulator.                                                                                                                                                                                                                                                           | Each | -258.00                            |
| 13            | Supplying and fixing of box bracket to receive "D" iron & earth clamp for O.H. line as per drawing and direction of Engineer-In-Charge.                                                                                                                                                                                                                                                    | Each | 1984.00                            |
| 14            | Supplying and fixing of box bracket (Miniature Size) to receive "D" iron & earth clamp for O.H. line as direction of Engineer-In-Charge.                                                                                                                                                                                                                                                   | Each | 1369.00                            |
| 15            | Supplying & fixing 50 mm (2") dia x 5.24 mtr long (Incl. bend) galv. pipe vertical type service bracket on wall for carrying 3 wire and earth wire complete with galvanized M S clamp for stay insulators and earth wire No. 7/14 SWG stranded stay wire, with 230 mm dia x 31 mm dia straining screw 75x88mm (3" x 3.1/2") porcelain shackle insulator with galv. strap, bolts, bush etc. | Each | 2138.00                            |
| 16            | S/F G.I. Barbed wire for guarding of top section of pole and necessary clamping with clamps of size 25 x 6 mm.                                                                                                                                                                                                                                                                             | Each | 156.00                             |
| 17            | S/F heavy gauge Barbed wire 4-ply 3.28 mtr long along the top section of pole and 2.1 mtr long on arm bracket etc as per direction of Engineer-In-Charge.                                                                                                                                                                                                                                  | Each | 260.00                             |
| 18            | S/F projected lamp bracket of G.I. pipe (I.T.C.) (Class-B of 40 mm bore dia and 1.5 m) length with tie rod and "S" type ornamental scroll to be fitted at a point 600 mm from the top of the pole by means of clamps, bolts, nuts etc. as required.                                                                                                                                        | Each | 538.00                             |

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                             | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 19            | S/F projected lamp bracket made 50mm dia G.I. Pipe of 1.85 M (6') in length of which 0.9M (3') In projection having an angle of 105 degree with clamps, bolts, nuts & clamps, etc. as required.                                                                                                                                  | Each | 888.00                             |
| 20            | S/F arm bracket of 50 mm bore tubular Pipe (M.S.) of 1.5 m (5') length for fixing on 75/100 mm pole top including S/F 4 mm thick M.S. plate welded with bolts, nuts & clamps, etc. as required with fabrication work                                                                                                             | Each | 1058.00                            |
| 21            | S/F 15 ft long 2" dia G.I. pipe (ISI medium) with necessary bends by means of reducing M.S. Socket ( 4.1/2"x 2.1/4") 9" long and 4.5mm thick with necessary bolts, nuts etc. as required as per direction of Engineer-In-Charge.                                                                                                 | Each | 1633.00                            |
| 22            | S/F single arm projected lamp bracket (Single pipe bending ) of 50cm (2") dia G.I. pipe (ISI medium) 3.65 mm thick of 2.1 mtr (6' approx) long having 105 degree curvature with reducing socket to be fitted at the top of the pole with bolts, nuts, clamps etc. as required.                                                   | Each | 881.00                             |
| 23            | S/F double arm projected lamp bracket (Single pip bending) of 50mm (2") dia G.I. pipe (ISI medium) of 2.5 mtr long each having 105 degree curvature with reducing socket to be fitted at the top of the pole with bolts, nuts clamps etc. as required                                                                            | Each | 2491.00                            |
| 24            | S/F fabricating, welding, fixing G.I. junction and 2.1mtr long single arm projection bracket made of G.I. with 2 nos. thro' bolts & nuts of 175 mm (7") long 15.6 mm (5/8") dia including S/F M.S. pole cap at the top of with set screw etc as per drawing and direction of Engineer-In-Charge.                                 | Each | 1453.00                            |
| 25            | S/F fabricating, welding, fixing G.I. junction and 1.68 m long 40 mm dia single arm projection bracket made of G.I. pipe (ISI medium) with 2 nos. thro' bolts & nuts of 175 mm (7") long 15.6 mm (5/8") dia incl S/F M.S pole cap at the top of junction with set screw etc. as per drawing and direction of Engineer-In-Charge. | Each | 1178.00                            |
| 26            | S/F including fabrication, welding, fixing G.I. junction 6 arm projected bkt. with 2 nos. thro' bolts & nuts of 7"long and 5/8" dia including M.S.pole cap at the top of the junction with set screw etc. as reqd. and as per direction of Engineer-In-Charge for arm 2.1M long (G.I. Pipe) (ISI medium).                        | Each | 7509.00                            |
| 27            | S/F bend type arm bracket 2.7M long 40M dia G.I. pipe (ISI medium) with M.S. pole (up to 115 mm dia) having a projection of 1.35 M at an angle of 105 degree by means of clamps (450 mm x 40 x6 mm) and necessary bolts, nuts, clamps etc. as required. The work is to be done as per direction of Engineer-In-Charge.           | Each | 958.00                             |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 28            | S/F fabricating, welding, fixing G.I. junction and 2.1 M long single arm projected bracket made of 50mm dia G.I. (ISI medium) with 2 nos. thro' bolts & nuts of 175 mm (7") long 15.6 mm (5/8") dia including M.S. pole cap at the top of junction with sets screw etc. complete as per direction of Dep't                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Each | 1175.00                            |
| 29            | S/F fabricating, welding, fixing G.I. junction and 1.5 M long single arm projected bracket made of 50mm dia G.I. (ISI medium) with 2 nos. thro' bolts & nuts of 175 mm (7") long 15.6 mm (5/8") dia including M.S. pole cap at the top of junction with sets screw etc. complete as per direction of Dep't                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Each | 977.00                             |
| 30            | S/F fabricating, welding, G.I. junction and 2.1 M long double arm projected bracket made of 2" dia G.I. pipe (ISI medium) with 2 nos. thro' bolts & nuts of 175 mm(7") long 15.6 mm (5/8") dia junction with set screw etc. complete as per per direction of Engineer-In-Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 1868.00                            |
| 31            | Slot cutting in making cover with sleeve arm bracket including making provision of 15 Amp fuse unit and other accessories in the sleeve including necessary connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each | 2629.00                            |
| 32            | S/F M.S. loop box (14 SWG) of size 10 cm x 10 cm x 7.5 cm suitable for housing the water-tight switch and providing the wire lead in lead out arrangement for switch and lamp holder connection. One side of the cover lid of the box is to be hinged type and the other side with proper clamping and locking arrangement the box. The set is to be fixed in suitable position on iron leg on wall as per direction of Engineer-In-Charge.                                                                                                                                                                                                                                                                                                                    | Each | 305.00                             |
| 33            | S/F of special head type M S loop box (3 mm thick) with connecting bar and other accessories fixed on the top the pole as required and as per direction of Engineer-In-Charge. For 3 phase connection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each | 518.00                             |
| 34            | S/F M. S. loop box (10 SWG) of size 10.3/4 "x 8.3/4" x 5" (269mm x 219mm x 125mm) having almirah type cover complete with special type locking arrangement including S/F 8 "x6" x1/4" (200mm x 150mm x 6 mm) bakelite sheet 1 no. 4-way ebonit connector block, 1 No. 15 Amp fuse unit fitted inside the box and suitable size danger board riveted on cover of the box outside & fixing the box with pole by means of M.S. Clamps of 1"x1/4" (25mm x 6mm) of suitable length and encasing the box by 1:3:6 cement concrete with graded stone chip (3/4" down). The depth of the concrete should be 60cm x 54cm x 54cm including plastering and neat cementing and S/F 2 Nos. compression gland of suitable size and making all necessary connections as reqd. | Each | 1147.00                            |
| 35            | Installation the feeder pillar box only on cement brick foundation including plastering and neat cementing as per specification and direction of E.I.C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Each | 2396.00                            |

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 36            | Installation the feeder pillar box only on cement brick foundation including plastering and neat cementing as per specification and direction of E.I.C.<br>b) For medium size feeder pillar box.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Each | 3025.00                            |
| 37            | Installation the feeder pillar box only on cement brick foundation including plastering and neat cementing as per specification and direction of E.I.C.<br>c) For large size feeder pillar box.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Each | 3776.00                            |
| 38            | Supplying & Erection of mini size feeder pillar box of Size (918 x 561 x 382 mm) made up of 2 mm thick MS Plate along with suitable M.S. Angle. The P.B. have double hinge door at the front & back with suitable locking arrangement. The box will be painted by 2 cores of aluminium paint over 1 coat of red oxide paint. Suitable arrangement should be provided for fixing of Timer unit, fuse unit & other accessories. Leg of the pillar box will be 900 mm in length by made up of (35 x 35 x 3 mm MS Angle with suitable base Plate. Legs of the Pillar box will be erected at 300 mm below the ground level with cement concrete (6:3:1). Rest portion covered by 5" Brick Wall with plastering & net cement & bottom portion filled with silver sand as drawing & direction of E.I.C    | Each | 7053.00                            |
| 39            | Supplying & Erection of medium size feeder pillar box of Size (1200 x 750 x 450 mm) made up of 2 mm thick MS Plate along with suitable M.S. Angle. The P.B. have double hinge door at the front & back with suitable locking arrangement. The box will be painted by 2 cores of aluminium paint over 1 coat of red oxide paint. Suitable arrangement should be provided for fixing of Timer unit, fuse unit & other accessories. Leg of the pillar box will be 900 mm in length by made up of (35 x 35 x 3 mm MS Angle with suitable base Plate. Legs of the Pillar box will be erected at 300 mm below the ground level with cement concrete (6:3:1). Rest portion covered by 5" Brick Wall with plastering & net cement & bottom portion filled with silver sand as drawing & direction of E.I.C | Each | 9241.00                            |
| 40            | Supplying & Erection of big size feeder pillar box of Size (1372 x 914 x 607 mm) made up of 3.15 mm thick MS Plate along with suitable M.S. Angle. The P.B. have double hinge door at the front & back with suitable locking arrangement. The box will be painted by 2 cores of aluminium paint over 1 coat of red oxide paint. Suitable arrangement should be provided for fixing of Timer unit, fuse unit & other accessories. Leg of the pillar box will be 900 mm in length by made up of (35x35x3 mm MS Angle with suitable base Plate. Legs of the Pillar box will be erected at 300 mm below the ground level with cement concrete (6:3:1). Rest portion covered by 5" Brick Wall with plastering & net cement & bottom portion filled with silver sand as drawing & direction of E.I.C.    | Each | 13849.00                           |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                       | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 41            | Supply and drawing of 7/14 SWG galvanised stranded wire for drawing unarmored cable (supply of cable is not included in the scope) by catenary system of wiring with 3nos. reel insulator per mtr. and binding with binding wires etc,as reqd. for drawing | RM   | 28.00                              |
| 42            | Drawing of unarmoured cable of suitable size (supply of cable is not included in the scope)on existing Galvanized stranded wire for centenary system with reel insulators and binding wires.                                                               | RM   | 7.00                               |

# **B-Series**

**(ANALYSIS)  
UD & MA SCHEDULE**



## SUPPLY AND/OR FIXING ITEM

| SI No. | Description of Items                                                                                      |                         |            | Unit | Rate (without GST & CESS) (in Rs.) |
|--------|-----------------------------------------------------------------------------------------------------------|-------------------------|------------|------|------------------------------------|
| 1      | Supplying of 1.1 KV. Grade PVC insulated Conductor of following cables (make: Polycab/ Gloster/Havells/): |                         |            |      |                                    |
|        | Size in Sq. mm                                                                                            | No & dia. of wire in mm | No of Core |      |                                    |
| a)/1   | 4                                                                                                         | 1/2.24                  | 2          | R.M. | 73.00                              |
| a)/2   | 4                                                                                                         | 1/2.24                  | 3          | R.M. | 80.00                              |
| a)/3   | 4                                                                                                         | 1/2.24                  | 4          | R.M. | 93.00                              |
| b)/1   | 6                                                                                                         | 1/2.80                  | 2          | R.M. | 85.00                              |
| b)/2   | 6                                                                                                         | 1/2.80                  | 3          | R.M. | 94.00                              |
| b)/3   | 6                                                                                                         | 1/2.80                  | 4          | R.M. | 106.00                             |
| c)/1   | 10                                                                                                        | 1/3.55                  | 2          | R.M. | 101.00                             |
| c)/2   | 10                                                                                                        | 1/3.55                  | 3          | R.M. | 118.00                             |
| c)/3   | 10                                                                                                        | 1/3.55                  | 4          | R.M. | 132.00                             |
| d)/1   | 16                                                                                                        | 7/1.70                  | 2          | R.M. | 116.00                             |
| d)/2   | 16                                                                                                        | 7/1.70                  | 3          | R.M. | 125.00                             |
| d)/3   | 16                                                                                                        | 7/1.70                  | 4          | R.M. | 151.00                             |
| e)/1   | 25                                                                                                        | 7/2.24                  | 2          | R.M. | 130.00                             |
| e)/2   | 25                                                                                                        | 7/2.24                  | 3          | R.M. | 169.00                             |
| e)/3   | 25                                                                                                        | 7/2.24                  | 3½         | R.M. | 190.00                             |
| f)/1   | 25                                                                                                        | 7/2.24                  | 4          | R.M. | 206.00                             |
| f)/2   | 35                                                                                                        | 7/2.50                  | 2          | R.M. | 151.00                             |
| f)/3   | 35                                                                                                        | 7/2.50                  | 3          | R.M. | 201.00                             |
| f)/4   | 35                                                                                                        | 7/2.50                  | 3½         | R.M. | 226.00                             |
| g)/1   | 35                                                                                                        | 7/2.50                  | 4          | R.M. | 252.00                             |
| g)/2   | 50                                                                                                        | 7/3.00                  | 2          | R.M. | 187.00                             |
| g)/3   | 50                                                                                                        | 7/3.00                  | 3          | R.M. | 254.00                             |
| g)/4   | 50                                                                                                        | 7/3.00                  | 3½         | R.M. | 294.00                             |
| h)/1   | 50                                                                                                        | 7/3.00                  | 4          | R.M. | 324.00                             |
| h)/2   | 70                                                                                                        | 19/2.24                 | 2          | R.M. | 251.00                             |
| h)/3   | 70                                                                                                        | 19/2.24                 | 3          | R.M. | 342.00                             |

## Schedule of Rates

| Sl No. | Description of Items |         |    | Unit | Rate (without GST & CESS) (in Rs.) |
|--------|----------------------|---------|----|------|------------------------------------|
| h)/4   | 70                   | 19/2.24 | 3½ | R.M. | 399.00                             |
| i)/1   | 70                   | 19/2.24 | 4  | R.M. | 439.00                             |
| i)/2   | 95                   | 19/2.50 | 2  | R.M. | 322.00                             |
| i)/3   | 95                   | 19/2.50 | 3  | R.M. | 424.00                             |
| i)/4   | 95                   | 19/2.50 | 3½ | R.M. | 482.00                             |
| j)/1   | 95                   | 19/2.50 | 4  | R.M. | 536.00                             |
| j)/2   | 120                  | 37/2.06 | 2  | R.M. | 382.00                             |
| j)/3   | 120                  | 37/2.06 | 3  | R.M. | 508.00                             |
| j)/4   | 120                  | 37/2.06 | 3½ | R.M. | 602.00                             |
| k)/1   | 120                  | 37/2.06 | 4  | R.M. | 656.00                             |
| k)/2   | 150                  | 37/2.24 | 2  | R.M. | 462.00                             |
| k)/3   | 150                  | 37/2.24 | 3  | R.M. | 626.00                             |
| k)/4   | 150                  | 37/2.24 | 3½ | R.M. | 712.00                             |
| l)/1   | 150                  | 37/2.24 | 4  | R.M. | 809.00                             |
| l)/2   | 185                  | 37/2.50 | 2  | R.M. | 576.00                             |
| l)/3   | 185                  | 37/2.50 | 3  | R.M. | 766.00                             |
| l)/4   | 185                  | 37/2.50 | 3½ | R.M. | 889.00                             |
| m)/1   | 185                  | 37/2.50 | 4  | R.M. | 1004.00                            |
| m)/2   | 240                  | 37/3.00 | 2  | R.M. | 749.00                             |
| m)/3   | 240                  | 37/3.00 | 3  | R.M. | 979.00                             |
| m)/4   | 240                  | 37/3.00 | 3½ | R.M. | 1119.00                            |
| n)/1   | 240                  | 37/3.00 | 4  | R.M. | 1282.00                            |
| n)/2   | 300                  | 61/2.50 | 2  | R.M. | 913.00                             |
| n)/3   | 300                  | 61/2.50 | 3  | R.M. | 1183.00                            |
| n)/4   | 300                  | 61/2.50 | 3½ | R.M. | 1372.00                            |
| o)/1   | 300                  | 61/2.50 | 4  | R.M. | 1546.00                            |
| o)/2   | 400                  | 61/3.00 | 2  | R.M. | 1149.00                            |
| o)/3   | 400                  | 61/3.00 | 3  | R.M. | 1503.00                            |
| o)/4   | 400                  | 61/3.00 | 3½ | R.M. | 1747.00                            |
| p)/1   | 400                  | 61/3.00 | 4  | R.M. | 1964.00                            |
| p)/2   | 500                  |         | 2  | R.M. | 1520.00                            |
| p)/3   | 500                  |         | 3  | R.M. | 2037.00                            |
| p)/4   | 500                  |         | 3½ | R.M. | 2374.00                            |
| q)/1   | 500                  |         | 4  | R.M. | 2665.00                            |

| Sl No. | Description of Items                                                                                     | Unit | Rate (without GST & CESS) (in Rs.) |
|--------|----------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 2      | Supplying of the following HIGH TENSION XLPE Cables (make:Polycab/Gloster/Havells):                      |      |                                    |
| a)/1   | 3Corex35 sq mm 6.6 KV (UE) 11KV(E) XLPE                                                                  | R.M. | 24.00                              |
| a)/2   | 3Corex50 sq mm 6.6 KV (UE) 11KV(E) XLPE                                                                  | R.M. | 592.00                             |
| a)/3   | 3Core x 70 sq mm 6.6 KV (E)XLPE                                                                          | R.M. | 658.00                             |
| a)/4   | 3Corex70 sq mm 6.6 KV (UE) 11KV(E) XLPE                                                                  | R.M. | 703.00                             |
| a)/5   | 3Core x 95 sq mm 6.6 KV (E)XLPE                                                                          | R.M. | 784.00                             |
| a)/6   | 3Corex95 sq mm 6.6 KV (UE) 11KV(E) XLPE                                                                  | R.M. | 832.00                             |
| a)/7   | 3Core x 120 sq mm 6.6 KV (E)XLPE                                                                         | R.M. | 915.00                             |
| a)/8   | 3Corex120 sq mm 6.6 KV(UE) 11KV(E) XLPE                                                                  | R.M. | 959.00                             |
| a)/9   | 3Core x 150 sq mm 6.6 KV (E)XLPE                                                                         | R.M. | 1032.00                            |
| a)/10  | 3Corex150 sq mm 6.6 KV(UE) 11KV(E) XLPE                                                                  | R.M. | 1072.00                            |
| b)/1   | 3Core x 150 sq mm 11 KV(UE) XLPE                                                                         | R.M. | 1383.00                            |
| b)/2   | 3Core x 150 sq mm 22 KV(E) XLPE                                                                          | R.M. | 1410.00                            |
| b)/3   | 3Core x 150 sq mm 33 KV(E) XLPE                                                                          | R.M. | 1804.00                            |
| b)/4   | 3Core x 185 sq mm 6.6 KV (E)XLPE                                                                         | R.M. | 1191.00                            |
| b)/5   | 3Corex185 sq mm 6.6 KV (UE) 11KV(E) XLPE                                                                 | R.M. | 1248.00                            |
| b)/6   | 3Core x 185 sq mm 11 KV(UE) XLPE                                                                         | R.M. | 1546.00                            |
| b)/7   | 3Core x 185 sq mm 22 KV(E) XLPE                                                                          | R.M. | 1580.00                            |
| b)/8   | 3Core x 185 sq mm 33 KV(E) XLPE                                                                          | R.M. | 1992.00                            |
| b)/9   | 3Core x 240 sq mm 6.6 KV (E)XLPE                                                                         | R.M. | 1441.00                            |
| b)/10  | 3Corex240 sq mm 6.6 KV(UE) 11KV(E) XLPE                                                                  | R.M. | 1497.00                            |
| c)/1   | 3Core x 240 sq mm 11 KV(UE) XLPE                                                                         | R.M. | 1819.00                            |
| c)/2   | 3Core x 240 sq mm 22 KV(E) XLPE                                                                          | R.M. | 1852.00                            |
| c)/3   | 3Core x 240 sq mm 33 KV(E) XLPE                                                                          | R.M. | 2279.00                            |
| c)/4   | 3Core x 300 sq mm 6.6 KV (E)XLPE                                                                         | R.M. | 1719.00                            |
| c)/5   | 3Corex300 sq mm 6.6 KV(UE) 11KV(E) XLPE                                                                  | R.M. | 1741.00                            |
| c)/6   | 3Core x 300 sq mm 11 KV(UE) XLPE                                                                         | R.M. | 2091.00                            |
| c)/7   | 3Core x 300 sq mm 22 KV(E) XLPE                                                                          | R.M. | 2124.00                            |
| c)/8   | 3Core x 300 sq mm 33 KV(E) XLPE                                                                          | R.M. | 2559.00                            |
| c)/9   | 3Core x 400 sq mm 6.6 KV (E)XLPE                                                                         | R.M. | 2149.00                            |
| c)/10  | 3Corex400 sq mm 6.6 KV(UE) 11KV(E) XLPE                                                                  | R.M. | 2189.00                            |
| d)/1   | 3Core x 400 sq mm 11 KV(UE) XLPE                                                                         | R.M. | 2458.00                            |
| d)/2   | 3Core x 400 sq mm 22 KV(E) XLPE                                                                          | R.M. | 2502.00                            |
| d)/3   | 3Core x 400 sq mm 33 KV(E) XLPE                                                                          | R.M. | 2963.00                            |
| 3      | Supplying Al.conductor PVC insulated and sheathed unarmored cable (1.1KVgrade, Gloster/Havells/Polycab). |      |                                    |
| a)     | 4sqmm x 2core                                                                                            | R.M. | 48.00                              |
| b)     | 6sqmm x 2core                                                                                            | R.M. | 53.00                              |
| c)     | 10sqmm x 2core                                                                                           | R.M. | 64.00                              |
| d)     | 10sqmm x 4core                                                                                           | R.M. | 93.00                              |
| e)     | 16sqmm x 2core                                                                                           | R.M. | 76.00                              |
| f)     | 16sqmm x 4core                                                                                           | R.M. | 123.00                             |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                          | Unit   | Rate (without GST & Cess) (in Rs.) |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------|
| 4             | Supply and Fixing of 2 mm Polyvinyl glow sign board made of 22 SWG GI sheet box with 1"X1" aluminum channel for fixing the vinyl board after necessary cutting the letter as required & s\ LED tube light fittings along with all accessories | sq.ft. | 495.00                             |
| 5             | Supply and delivery of 230V,50Hz Heavy duty Metal 12"exhuast fan.                                                                                                                                                                             | Each   | 2093.00                            |
| 6             | Supply and delivery of 230V,50Hz Heavy duty Metal 9"exhuast fan.                                                                                                                                                                              | Each   | 1863.00                            |
| 7             | Supply & delivery of the following single phase, 240 Volt, 50 Hz, AC Energy meter of accuracy: class-I with LCD display (L&T/ABB/SCHNEIDER):                                                                                                  |        |                                    |
|               | a) 5 to 30 Amp (without optical port)                                                                                                                                                                                                         | Each   | 1270.00                            |
|               | b) 0 to 30 Amp (with optical port)                                                                                                                                                                                                            | Each   | 1775.00                            |
|               | c) 10 to 60 Amp (without optical port)                                                                                                                                                                                                        | Each   | 1503.00                            |
|               | d) 10 to 60 Amp (with optical port)                                                                                                                                                                                                           | Each   | 1922.00                            |
| 8             | Supply & delivery of the following three phase, 240 Volt (Ph), 4 wire, 50 Hz, AC Energy meter of accuracy: class-I with LCD display (L&T/ABB/SCHNEIDER):                                                                                      |        |                                    |
|               | a) 5-10 Amp (CT op base)                                                                                                                                                                                                                      | Each   | 3669.00                            |
|               | b) 5-20 Amp (Dir Base)                                                                                                                                                                                                                        | Each   | 3075.00                            |
|               | c) 10-40 Amp (Dir Base)                                                                                                                                                                                                                       | Each   | 3165.00                            |
|               | d) 10-60 Amp (Dir Base)                                                                                                                                                                                                                       | Each   | 4008.00                            |
|               | e) 50-100 Amp (Dir Base)                                                                                                                                                                                                                      | Each   | 5811.00                            |
| 9             | Supply & delivery of the following Single Function Meter with I/P-50-550VAC(P-P), Aux Sup-80-300 VAC, CT Secondary-1A/5A with inbuilt Selector Switch for 3-Ph, CT/PT programmable (L&T/ABB/SCHNEIDER):                                       |        |                                    |
|               | a) 1 Ph LED Ammeter, (Class-1)                                                                                                                                                                                                                | Each   | 883.00                             |
|               | b) 1 Ph LED Voltmeter, (Class-1)                                                                                                                                                                                                              | Each   | 883.00                             |
|               | c) 3 Ph LED Voltmeter, (Class-1)                                                                                                                                                                                                              | Each   | 1279.00                            |
|               | d) 3 Ph LED Ammeter, (Class-1)                                                                                                                                                                                                                | Each   | 1279.00                            |
|               | e) LED Frequency Meter (Class-0.2)                                                                                                                                                                                                            | Each   | 883.00                             |
|               | f) 1 Ph LED Ammeter, (Class-0.5)                                                                                                                                                                                                              | Each   | 1192.00                            |
|               | g) 1 Ph LED Voltmeter, (Class-0.5)                                                                                                                                                                                                            | Each   | 1192.00                            |
|               | h) 3 Ph LED Voltmeter, (Class-0.5)                                                                                                                                                                                                            | Each   | 1547.00                            |
|               | i) 3 Ph LED Ammeter, (Class-0.5)                                                                                                                                                                                                              | Each   | 1547.00                            |
| 10            | Supply & delivery of the following Current Transformer (Make: KAPPA/AE): Ratio<br>VA Accuracy Class                                                                                                                                           |        |                                    |
|               | a) 50/5A 5 5                                                                                                                                                                                                                                  | Each   | 583.00                             |

| Serial Number | Description of Items                                                                                                                                                          | Unit         | Rate (without GST & Cess) (in Rs.) |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------|
|               | b) 100/5A      5      1                                                                                                                                                       | Each         | 604.00                             |
|               | c) 150/5A      5      1                                                                                                                                                       | Each         | 360.00                             |
|               | d) 300/5A      15      1                                                                                                                                                      | Each         | 670.00                             |
|               | e) 400/5A      15      1                                                                                                                                                      | Each         | 548.00                             |
|               | f) 500/5A      15      1                                                                                                                                                      | Each         | 528.00                             |
|               | g) 1000/5A      15      1                                                                                                                                                     | Each         | 558.00                             |
| 11            | Supplying of Bakelite Sheet                                                                                                                                                   |              |                                    |
|               | a) 3 mm thick                                                                                                                                                                 | per sq. inch | 1.58.00                            |
| 12            | Supply & delivery of 230 V, 50Hz, AC, 400 W, Metal Lamp,                                                                                                                      | Each         | 856.00                             |
| 13            | Supply & delivery of ballast for 230 V, 50Hz, AC, 250/400 W lamp,                                                                                                             | Each         | 985.00                             |
| 14            | Supply & delivery of 415 V, 50 Hz, 3 Ph.AC Fully Automatic Star Delta Starter of Continuous duty in sheet steel enclosure of the following capacity (make:L&T/ABB/SCHNEIDER): |              |                                    |
|               | a) 12.5 HP ( with Relay of Max Range in Amp 9-14)                                                                                                                             | Each         | 7124.00                            |
|               | b) 25 HP ( with Relay of Max Range in Amp 13-21)                                                                                                                              | Each         | 15140.00                           |
|               | c) 30 HP ( with Relay of Max Range in Amp 20-32)                                                                                                                              | Each         | 11588.00                           |
|               | d) 50 HP ( with Relay of Max Range in Amp 28-42)                                                                                                                              | Each         | 39981.00                           |
|               | e) 75 HP ( with Relay of Max Range in Amp 45-75)                                                                                                                              | Each         | 68516.00                           |
| 15            | Supply & delivery of the following 50 Hz, AC, Direct on Line Starter of continuous duty in sheet steel enclosure (make L&T/ABB/SCHNEIDER):                                    |              |                                    |
|               | a) 2 HP Single Phase (Max. Relay range 10.5-17.5 Amp)                                                                                                                         | Each         | 903.00                             |
|               | b) 7.5 HP Three Phase (Max. Relay range 20-32 Amp)                                                                                                                            | Each         | 2253.00                            |
|               | c) 10 HP Three Phase (Max. Relay range 15-25 Amp)                                                                                                                             | Each         | 3399.00                            |
|               | d) 15 HP Three Phase (Max. Relay range 24-38 Amp)                                                                                                                             | Each         | 4516.00                            |
|               | e) 20 HP Three Phase (Max. Relay range 20-33 Amp)                                                                                                                             | Each         | 7890.00                            |
|               | f) 30 HP Three Phase (Max. Relay range 30-50 Amp)                                                                                                                             | Each         | 13496.00                           |
| 16            | Supply & delivery of 415V, 50 Hz, 50KA Manually Drawout type, 3-pole following Air Circuit Breaker (Thermal Magnetic/Microprocessor) Capacity (make L&T/ABB/SCHNEIDER):       |              |                                    |
|               | a) 400 Amps (thermal magnetic release)                                                                                                                                        | Each         | 62346.00                           |
|               | b) 630 Amps (thermal magnetic release)                                                                                                                                        | Each         | 62894.00                           |
|               | c) 800 Amps (Microprocessor based)                                                                                                                                            | Each         | 136332.00                          |
|               | d) 1000 Amps (Microprocessor based)                                                                                                                                           | Each         | 142542.00                          |
|               | e) 1250 Amps (Microprocessor based)                                                                                                                                           | Each         | 158626.00                          |
|               | f) 1600 Amps (Microprocessor based)                                                                                                                                           | Each         | 180747.00                          |
|               | g) 2000 Amps (Microprocessor based)                                                                                                                                           | Each         | 219308.00                          |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                  | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 17            | Supply & delivery of 415V, 50 Hz, 50/60 KA Manually Drawout type, 4-pole following Microprocessor based Air Circuit Breaker (Thermal Magnetic DN1) Capacity (make L&T/ABB/SCHNEIDER): |      |                                    |
|               | a) 630 Amps (50 KA)                                                                                                                                                                   | Each | 171280.00                          |
|               | b) 800 Amps (50 KA)                                                                                                                                                                   | Each | 171280.00                          |
|               | c) 1000 Amps (50 KA)                                                                                                                                                                  | Each | 179256.00                          |
|               | d) 1250 Amps (50 KA)                                                                                                                                                                  | Each | 198495.00                          |
|               | e) 1600 Amps (50 KA)                                                                                                                                                                  | Each | 220465.00                          |
|               | f) 2000 Amps (50 KA)                                                                                                                                                                  | Each | 269822.00                          |
|               | g) 2500 Amps (60 KA)                                                                                                                                                                  | Each | 328475.00                          |
| 18            | Supply and fixing of 240/230 volt, 50 Hz, T.P., power contactor (Make: L & T/ABB/Schneider/Simence/ GE) having contact block of the following range.                                  |      |                                    |
|               | a) 9-25Amp, 1NO/1NC                                                                                                                                                                   | Each | 776.00                             |
|               | b) 12-30Amp, 1NO/1NC                                                                                                                                                                  | Each | 898.00                             |
|               | c) 18-30Amp, 1NO/1NC                                                                                                                                                                  | Each | 1040.00                            |
|               | d) 22-32Amp, 1NO/1NC                                                                                                                                                                  | Each | 1218.00                            |
|               | e) 25-45 Amp                                                                                                                                                                          | Each | 1253.00                            |
|               | f) 32-55Amp                                                                                                                                                                           | Each | 2740.00                            |
|               | g) 50-85Amp                                                                                                                                                                           | Each | 5556.00                            |
|               | h) 70-100Amp                                                                                                                                                                          | Each | 7469.00                            |
|               | i) 95-160Amp, 2NO + 2NC                                                                                                                                                               | Each | 12897.00                           |
|               | j) 185-250Amp, 2NO + 2NC                                                                                                                                                              | Each | 24674.00                           |
|               | k) 225-300Amp, 2NO + 2NC                                                                                                                                                              | Each | 27165.00                           |
| 19            | Supply & fixing of 415/440 Volt, HRC fuse (Make: L&T/ Havels/CGL/GE).                                                                                                                 |      |                                    |
|               | a) for 2-40Amp                                                                                                                                                                        | Each | 101.00                             |
|               | b) for 50- 63 Amp                                                                                                                                                                     | Each | 239.00                             |
|               | c) for 125 Amp                                                                                                                                                                        | Each | 396.00                             |
|               | d) for 200 Amp                                                                                                                                                                        | Each | 578.00                             |
|               | e) for 250 Amp                                                                                                                                                                        | Each | 695.00                             |
| 20            | a) Supply and fixing of analog Ammeter ranging 0-100Amps having C.R ratio of 100/5A, 144 mm sq size (make :AE/KAPPA/IMP).                                                             | Each | 1048.00                            |
|               | b) Supply and fixing of analog Ammeter ranging 0-15 Amps having 144 mm sq size (make : AE/KAPPA/IMP).                                                                                 | Each | 761.00                             |
| 21            | Supply and fixing of analog voltmeter ranging from 0-500 V of 144 mm sq size (make :AE/KAPPA/IMP).                                                                                    | Each | 1097.00                            |

| Serial Number | Description of Items                                                                                                              | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 22            | a) Supply & fixing of 230/240V, LED indicating lamp (make :AE/KAPPA/IMP) Blue/ white color.                                       | Each | 319.00                             |
|               | b) Supply & fixing of 230/240V, LED indicating lamp (make :AE/KAPPA/IMP) other than Blue/ white color.                            | Each | 266.00                             |
| 23            | a) Supply & fixing of control switch of 25A, D.P., 415 V of ON/OFF of type (make :Siemens/ABB/L&T/Schneider).                     | Each | 864.00                             |
| 24            | Supply and Fixing of fuse unit complete with base and bridge on existing Board and necessary connection, for the following range. |      |                                    |
|               | a) 15 Amp./16 Amp., 240 V                                                                                                         | Each | 66.00                              |
|               | b) 32 Amp., 240 V                                                                                                                 | Each | 93.00                              |
|               | c) 32 Amp. ; 415 V                                                                                                                | Each | 147.00                             |
|               | d) 60 Amp. / 63 Amp., 415 V                                                                                                       | Each | 205.00                             |
|               | e) 100 Amp., 415 V                                                                                                                | Each | 380.00                             |
|               | f) 200 Amp., 415 V                                                                                                                | Each | 947.00                             |
|               | g) 300 Amp., 415 V                                                                                                                | Each | 1352.00                            |
| 25            | Supply and fixing of tough "V" belts (Make: FENNER/POWER BOOM / V guard/Benq/ECODRIVE) of the following size:                     |      |                                    |
|               | a) B47                                                                                                                            | Each | 657.00                             |
|               | b) B48                                                                                                                            | Each | 702.00                             |
|               | c) B55                                                                                                                            | Each | 748.00                             |
|               | d) B58                                                                                                                            | Each | 798.00                             |
|               | e) B91                                                                                                                            | Each | 838.00                             |
|               | f) B92                                                                                                                            | Each | 848.00                             |
|               | g) B94                                                                                                                            | Each | 869.00                             |
|               | h) B98                                                                                                                            | Each | 900.00                             |
|               | i) C-98                                                                                                                           | Each | 1222.00                            |
|               | j) C-144                                                                                                                          | Each | 1677.00                            |
| 26            | Supply and delivery of the following bearing (Make: SKF):                                                                         |      |                                    |
|               | i) 22312E/C3                                                                                                                      | Each | 12710.00                           |
|               | ii) 6324/C3                                                                                                                       | Each | 33927.00                           |
|               | iii) NU226C3                                                                                                                      | Each | 32980.00                           |
|               | iv) NU221C3                                                                                                                       | Each | 29817.00                           |
|               | v) 6221C3                                                                                                                         | Each | 9961.00                            |
|               | vi) 6308                                                                                                                          | Each | 713.00                             |
|               | vii) 6406                                                                                                                         | Each | 2002.00                            |
|               | viii) 32210                                                                                                                       | Each | 914.00                             |
|               | ix) 31309                                                                                                                         | Each | 1250.00                            |
|               | x) 30309D                                                                                                                         | Each | 1184.00                            |
|               | xi) 6580                                                                                                                          | Each | 6400.00                            |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                         | Unit  | Rate (without GST & Cess) (in Rs.) |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------|
|               | xii) 7322BECBM                                                                                                                                               | Each  | 64156.00                           |
|               | xiii) NU322ECM                                                                                                                                               | Each  | 22992.00                           |
|               | xiv) NU224ECJ/C3                                                                                                                                             | Each  | 26512.00                           |
|               | xv) 6230                                                                                                                                                     | Each  | 33230.00                           |
|               | xvi) NU230ECM                                                                                                                                                | Each  | 61566.00                           |
|               | xvii) NU230ECJ                                                                                                                                               | Each  | 53314.00                           |
|               | xviii) 6535                                                                                                                                                  | Each  | 6400.00                            |
| <b>27</b>     | Supply and fixing the 3way C.I "V" grooved pulley with complete mechanism key way suitable to EN-24, 60 mm dia of shaft end.                                 |       |                                    |
|               | a) Motor Driving                                                                                                                                             | Each  | 2903.00                            |
|               | b) Blower Driving                                                                                                                                            | Each  | 5287.00                            |
| <b>28</b>     | Supply and delivery of the following bearing ( SKF make).                                                                                                    |       |                                    |
|               | a) 6312-2RS1/C3                                                                                                                                              | Each  | 2360.00                            |
|               | b) 6310-2RS1/C3                                                                                                                                              | Each  | 1499.00                            |
|               | c) 6309-2RS1/C3                                                                                                                                              | Each  | 1492.00                            |
|               | d) 6208-2Z                                                                                                                                                   | Each  | 744.00                             |
|               | e) 6205-2Z                                                                                                                                                   | Each  | 520.00                             |
|               | f) 6312-2RS1/C3                                                                                                                                              | Each  | 2141.00                            |
| <b>29</b>     | Supply, and fixing of HT insulation rubber Mat of the following sizes :-                                                                                     |       |                                    |
|               | a) 2.0 mm thick (upto 11 KV)                                                                                                                                 | Sq.Mt | 2170.00                            |
|               | b) 2.5 mm thick (upto 11 KV)                                                                                                                                 | Sq.Mt | 2603.00                            |
|               | c) 6.0 mm thick (upto 11 KV)                                                                                                                                 | Sq.Mt | 4318.00                            |
| <b>30</b>     | Supply and delivery of Switch disconnection fuse unit in open execution(Make: L&T/Havels/CGL/GE) of the following current rating:                            |       |                                    |
|               | a) 32A, 2 pole                                                                                                                                               | Each  | 1537.00                            |
|               | b) 32A, TPN                                                                                                                                                  | Each  | 1766.00                            |
|               | c) 63A, TPN                                                                                                                                                  | Each  | 2517.00                            |
|               | d) 100A, TPN                                                                                                                                                 | Each  | 5023.00                            |
|               | e) 125A, TPN                                                                                                                                                 | Each  | 6596.00                            |
|               | f) 160A, TPN                                                                                                                                                 | Each  | 7174.00                            |
|               | g) 200A, TPN                                                                                                                                                 | Each  | 9021.00                            |
|               | h) 250A, TPN                                                                                                                                                 | Each  | 11325.00                           |
|               | i) 315A, TPN                                                                                                                                                 | Each  | 14014.00                           |
| <b>31</b>     | Supply and delivery of Electronic Timer suitable for 240/ 360/415V, 50 Hz(Make: L&T/ABB/Schneider/Simence/ GE/Minilic) of the following time (Second) range: |       |                                    |

| Serial Number | Description of Items                                                                                                                              | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
|               | a) 3.0 to 30.0                                                                                                                                    |      | 1395.00                            |
|               | b) 12.0 to 120.0                                                                                                                                  |      | 1395.00                            |
| 32            | Supply and delivery of Single Phase preventer Relay suitable for 415V, 6 wire, upto 20HP motor (Make: L & T/ABB/Schneider/ Simence/ Minilic/ GE). |      | 1243.00                            |
| 33            | Supply and delivery of Thermal overload relays (Make: L & T/ABB/Schneider/Simence/ GE/Minilec) of the following range:                            |      |                                    |
|               | a) 0.2-0.33/ 0.3-0.5/ 0.45-0.75, MN2                                                                                                              | Each | 1248.00                            |
|               | b) 0.9-1.5/1.4-2.3/2-3.3/3-5/6-10, MN2                                                                                                            | Each | 1258.00                            |
|               | c) 9-15, MN2                                                                                                                                      | Each | 1289.00                            |
|               | d) 14-23, MN2                                                                                                                                     | Each | 1416.00                            |
|               | e) 20-33, MN2                                                                                                                                     | Each | 2050.00                            |
|               | f) 24-40, MN2                                                                                                                                     | Each | 2207.00                            |
|               | g) 9-15, MN5                                                                                                                                      | Each | 2547.00                            |
|               | h) 14-23, MN5                                                                                                                                     | Each | 2547.00                            |
|               | i) 20-33, MN5                                                                                                                                     | Each | 2567.00                            |
|               | j) 30-50, MN5                                                                                                                                     | Each | 2846.00                            |
|               | k) 36-60, MN5                                                                                                                                     | Each | 3308.00                            |
|               | l) 45-75, MN5                                                                                                                                     | Each | 3552.00                            |
|               | m) 66-110, MN5                                                                                                                                    | Each | 4089.00                            |
|               | n) 28-46.5, MN12                                                                                                                                  | Each | 6302.00                            |
|               | o) 42-69, MN12                                                                                                                                    | Each | 6302.00                            |
|               | p) 60-100, MN12                                                                                                                                   | Each | 6302.00                            |
|               | q) 90-150, MN12                                                                                                                                   | Each | 6302.00                            |
|               | r) 135-225, MN12                                                                                                                                  | Each | 7732.00                            |
|               | s) 180-300, MN12                                                                                                                                  | Each | 8214.00                            |
|               | t) 270-450, MN12                                                                                                                                  | Each | 9660.00                            |
| 34            | Supply and delivery of Front mounted add-on auxiliary contractor block(Make: L & T/ABB/Schneider/Simence/ GE) of the following types:             |      |                                    |
|               | a) 9 to 80 Amp, 2N0 + 2NC                                                                                                                         | Each | 457.00                             |
|               | b) 9 to 80 Amp, 1no + 1NC                                                                                                                         | Each | 304.00                             |
| 35            | Supply and delivery of spare contract coils (Make: L&T/ABB/Schneider/Simence/GE) for the following range:                                         |      |                                    |
|               | a) 9-25Amp.                                                                                                                                       | Each | 371.00                             |
|               | b) 12-30Amp                                                                                                                                       | Each | 371.00                             |
|               | c) 18-30Amp                                                                                                                                       | Each | 371.00                             |
|               | d) 22-32Amp                                                                                                                                       | Each | 371.00                             |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                     | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
|               | e) 25-45 Amp                                                                                                                                             | Each | 371.00                             |
|               | f) 32-55Amp                                                                                                                                              | Each | 371.00                             |
|               | g) 50-85Amp                                                                                                                                              | Each | 371.00                             |
|               | h) 70-100Amp                                                                                                                                             | Each | 1172.00                            |
|               | i) 95-160Amp                                                                                                                                             | Each | 1172.00                            |
|               | j) 185-250Amp                                                                                                                                            | Each | 1172.00                            |
|               | k) 225-300Amp                                                                                                                                            | Each | 1757.00                            |
| 36            | Supply and delivery of Cotton Waste (White Fine Quality)                                                                                                 | Kg   | 72.00                              |
| 37            | Supply and delivery of Neoprene Rubber Sheet- 5mm thick                                                                                                  | Kg   | 715.00                             |
| 38            | Supply and delivery of PTFE Based Soft Spl Yarn Packing Impregnated with Polymers (Style-374), Thickness- 12.5mm to 20.0mm, Make-Champion                | Kg   | 2425.00                            |
| 39            | Supply and delivery of PTFE Based Soft Spl Yarn Packing Impregnated with Polymers (Style-374), Thickness- 21.0 mm to 25.0mm, Make- Champion              | Kg   | 2300.00                            |
| 40            | Supply and delivery of PTFE Based Soft Spl Yarn Packing Impregnated with Polymers (Style-374), Thickness- 10.0 mm to 11.0mm, Make- Champion              | Kg   | 2450.00                            |
| 41            | Supply and delivery of PTFE Based Soft Spl Yarn Packing Impregnated with Polymers (Style-374), Thickness- 8.0mm, Make- Champion                          | Kg   | 2475.00                            |
| 42            | Supply and delivery of Cotton Impregnated with lubricant-Hydraulic Gland Packing (Style-376), Thickness- 13 to 25mm, Make- Champion                      | Kg   | 552.00                             |
| 43            | Supply and delivery of Cotton Impregnated with lubricant-Hydraulic Gland Packing (Style-376), Thickness- 12.5mm, Coil Length-3 M, Make- Champion         | Coil | 550.00                             |
| 44            | Supply and delivery of Cotton Impregnated with lubricant-Hydraulic Gland Packing (Style-376), Thickness- 10.0 to 11.0mm, Coil Length-6 M, Make- Champion | Coil | 575.00                             |
| 45            | Supply and delivery of Cotton Impregnated with lubricant-Hydraulic Gland Packing (Style-376), Thickness- 8.0mm, Coil Length-6 M, Make- Champion          | Coil | 600.00                             |
| 46            | Supply and delivery of PTFE Graphite Based White Dry Plaited (Square) Packings, Style-1000(S), Thick ness- 26.0mm & above, Make- Champion                | Kg   | 680.00                             |
| 47            | Supply and delivery of PTFE Graphite Based White Dry Plaited (Square) Packings, Style-1000(S), Thick ness- 12.5 to 25.0mm, Make- Champion                | Kg   | 672.00                             |
| 48            | Supply and delivery of PTFE Graphite Based White Dry Plaited (Square) Packings, Style-1000(S),Thick ness- 10.0 & 11.0mm, Make- Champion                  | Kg   | 672.00                             |

| Serial Number | Description of Items                                                                                                                                                      | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 49            | Supply and delivery of Supply and delivery of PTFE Graphite Based White Dry Plaited (Square) Packings, Style-1000(S), Thick ness- 8.0mm, Make- Champion                   | Kg   | 916.00                             |
| 50            | Supply and delivery of MCCBs with thermal magnetic release breaking capacity                                                                                              |      |                                    |
|               | a) Thermal release rang 125-160A, Breaking capacity Icu at 415V AC,50Hz, 50KA4pole                                                                                        | Each | 13430.00                           |
|               | b) Thermal release rang 200-250A, Breaking capacity Icu at 415V AC,50Hz, 50KA,4 pole                                                                                      | Each | 19914.00                           |
|               | c) Thermal release rang 320-400A, Breaking capacity Icu at 415V AC,50Hz, 50KA, 4 pole                                                                                     | Each | 24031.00                           |
| 51            | Supply and delivery of direct rotary handel of MCCBs (Make: L & T/ABB/ Schneider/Simence/ GE)                                                                             |      |                                    |
|               | a) Direct rotary handle 16-100A, 415V                                                                                                                                     | Each | 672.00                             |
|               | b) Direct rotary handle 100-160A, 415V                                                                                                                                    | Each | 703.00                             |
|               | c) Direct rotary handle 200-250A, 415V                                                                                                                                    | Each | 730.00                             |
|               | d) Direct rotary handle 250-400A, 415V                                                                                                                                    | Each | 1129.00                            |
| 52            | Supply and delivery of extended rotary handel of MCCBs (Make: L & T/ABB/ Schneider/Simence/ GE)                                                                           |      |                                    |
|               | a) Extended rotary handle 16-100A, 415V                                                                                                                                   | Each | 1008.00                            |
|               | b) Extended rotary handle 100-160A, 415V                                                                                                                                  | Each | 1015.00                            |
|               | c) Extended rotary handle 200-250A, 415V                                                                                                                                  | Each | 1148.00                            |
|               | d) Extended rotary handle 250-400A, 415V                                                                                                                                  | Each | 1875.00                            |
| 53            | Supply and delivery of spreader Terminal of MCCBs (Make: L & T/ABB/ Schneider/Simence/ GE)                                                                                |      |                                    |
|               | a) 100A, 3 pole                                                                                                                                                           | set  | 172.00                             |
|               | b) 125A, 3 pole                                                                                                                                                           | set  | 254.00                             |
|               | c) 250A, 3 pole                                                                                                                                                           | set  | 930.00                             |
|               | d) 400A, 3 pole                                                                                                                                                           | set  | 1601.00                            |
| 54            | Supply and delivery of Modular Push button actuators (with plastic front ring), Opaque actuator (with holder for contact block) (Make: L & T/ABB/ Schneider/Simence/ GE)  |      |                                    |
|               | a) Normal, colour: Red, green, blue, white, yellow, black                                                                                                                 | Each | 70.00                              |
|               | b) Rised, colour: Red, green, blue, white, yellow, black                                                                                                                  | Each | 80.00                              |
| 55            | Supply and delivery Modular Push button actuators (with plastic front ring),Illuminated actuator (with holder for contact block) (Make: L & T/ABB/ Schneider/Simence/ GE) |      |                                    |
|               | a) Normal, colour: Red, green, blue, Amber white, yellow, clear                                                                                                           | Each | 90.00                              |
|               | b) Rised, colour: Red,green,blue, Amber, white, yellow, clear                                                                                                             | Each | 95.00                              |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                          | Unit     | Rate (without GST & Cess) (in Rs.) |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------|
| 56            | Supply and delivery of Mushroom Actuators (40 mm ø) push to trip, key to release(with plastic front ring) for Emergency Stop Specifications (Make: L&T/ABB/ Schneider/Simence/ GE)                                                                                                                                                                            | each     | 1070.00                            |
| 57            | Supply and delivery of Ultra Heavy Duty Capacitors Cylindrical Series 440V (Make: L & T/ABB/ Schneider/Simence/ GE)                                                                                                                                                                                                                                           |          |                                    |
|               | a) 5 to 15 KVAR                                                                                                                                                                                                                                                                                                                                               | per KVAR | 415.00                             |
|               | b) 20 to 25 KVAR                                                                                                                                                                                                                                                                                                                                              | per KVAR | 408.00                             |
| 58            | Supply and delivery of Ultra Heavy Duty Capacitors Box Series 440V (Make: L & T/ABB/ Schneider/Simence/ GE)                                                                                                                                                                                                                                                   |          |                                    |
|               | a) 5 to 15 KVAR                                                                                                                                                                                                                                                                                                                                               | per KVAR | 490.00                             |
|               | b) 20 to 50KVAR                                                                                                                                                                                                                                                                                                                                               | per KVAR | 480.00                             |
| 59            | Supply and delivery Modular of and expandable steps, Large Backlit LCD display with user-friendly interface, CT secondary-1A / 5 A Site selectable Measurement of individual Current and Voltage harmonic (THD) up to 15th Order, Capacitor failure indication, 5 Step APFC Relay (Make: L & T/ABB/ Schneider/Simence/ GE).                                   | Each     | 7734.00                            |
| 60            | Supply and delivery of Modular and expandable steps, Large Backlit LCD display with user-friendly interface, CT secondary-1A / 5 A Site selectable Measurement of individual Current and Voltage harmonic (THD) up to 15th Order,Capacitor failure indication, 3 Step APFC Relay + 3 Step Plug-in module APFC Relay. (Make: L & T/ABB/ Schneider/Simence/ GE) | Each     | 8281.00                            |
| 61            | Supply and delivery Modular and expandable steps, Large Backlit LCD display with user-friendly interface, CT secondary-1A / 5 A Site selectable Measurement of individual Current and Voltage harmonic (THD) up to 15th Order,Capacitor failure indication, 5 Step APFC Relay + 3 Step Plug-in module APFC Relay (Make: L & T/ABB/ Schneider/Simence/ GE)     | Each     | 9141.00                            |
| 62            | Supply and delivery of 3 steps Optional Plug-in Modules 3 relays NO (Make: L & T/ABB/ Schneider/Simence/ GE)                                                                                                                                                                                                                                                  | Each     | 1406.00                            |
| 63            | Supply and delivery of phase failure relay (auto reset, 40Volts, unbalance 1 co.contact VSPD1 ( Make:minilec)                                                                                                                                                                                                                                                 | Each     | 570.00                             |
| 67            | Supply and delivery of phase failure relay with fixed under & over voltage setting, 10% unbalance D1HLS1 (Make:minilec)                                                                                                                                                                                                                                       | Each     | 1250.00                            |
| 68            | Supply and delivery of single phase preventor (auto reset, 40 volts, unbalance) VSP 2 ( Make:minilec)                                                                                                                                                                                                                                                         | Each     | 600.00                             |

| Serial Number | Description of Items                                                                                                                                                                                                          | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 69            | Supply and delivery of phase failure relay with under & over voltage setting (variable) manual reset 40Vunbalance HLC D2 ( Make:minilec)                                                                                      | Each | 1400.00                            |
| 70            | Supply and delivery of Ceilling fan 48" Sweep                                                                                                                                                                                 |      |                                    |
|               | a) Crompton Greaves make                                                                                                                                                                                                      | Each | 2283.00                            |
|               | b) Orient Make                                                                                                                                                                                                                | Each | 2053.00                            |
| 71            | Supply and delivery of Wall fan 16" Sweep metal blade                                                                                                                                                                         | Each |                                    |
|               | a) Crompton Greaves make                                                                                                                                                                                                      | Each | 2946.00                            |
|               | b) Orient Make                                                                                                                                                                                                                | Each | 2269.00                            |
| 72            | Supply & fixing of E.I. Danger board on door/wall/fencing                                                                                                                                                                     | Each | 97.00                              |
| 73            | Supply & Providing 12 KV grage insulated rubber mat                                                                                                                                                                           | Each | 1440.00                            |
| 74            | Supply and delivery of 1200 mm sweep, 1 phase, 60/70 watt, 5 star and having 300 mm down rod, 1.1mm thick alluminium bled, conforming IS 374, 2mm shank thickness ceilling fan of following make.                             |      |                                    |
|               | b) Havells/Crompton Greaves Make (60 watt):                                                                                                                                                                                   | Each | 2430.00                            |
|               | c) Orient/Nirmal Make (70 watt):                                                                                                                                                                                              | Each | 2409.00                            |
| 75            | Supply and delivery of 406.4 mm sweep, 1 phase, 60/70 watt, 5 star, 1.1mm thick alluminium bled, conforming IS 374, wall fan.                                                                                                 | Each |                                    |
|               | a) Crompton Greaves make (high speed)                                                                                                                                                                                         | Each | 2236.00                            |
|               | b) Orient Make (high speed)                                                                                                                                                                                                   | Each | 2265.00                            |
| 76            | B) Supply and delivery of 600 mm sweep, 1 or 3 phase, 137 watt, NABL and having 900 mm stand rod, embedded regulator, 3 no 1.1mm thick alluminium bled, having minimum 65 Cu-m air flow Pedesta fan of Orient/ Crompton make. | Each | 3530.00                            |
| 77            | Supply Delivery and installation of ABC Powder type fire extinguishers (stored pressure) HSN code-84241000 conforming to IS:15683 and complete in all respect as per direction of EIC                                         |      |                                    |
|               | A) 01 Kg with ISI marked Mono Ammonium Phosphate base ABC power conforming to IS:14609 and pressurized with nitrogen gas. Suitable for operating between (-)30°C to (+)55°C. Fire rating -1A & 8B                             | Each | 1579.00                            |
|               | B) 02 Kg with ISI marked Mono Ammonium Phosphate base ABC power conforming to IS:14609 and pressurized with nitrogen gas. Suitable for operating between (-)30°C to (+)55°C. Fire rating -1A & 8B                             | Each | 2255.00                            |
|               | C) 04 Kg with ISI marked Mono Ammonium Phosphate base ABC power conforming to IS:14609 and pressurized with nitrogen gas. Suitable for operating between (-)30°C to (+)55°C. Fire rating -1A & 13B                            | Each | 3157.00                            |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
|               | D) 06 Kg with ISI marked Mono Ammonium Phosphate base ABC power conforming to IS:14609 and pressurized with nitrogen gas. Suitable for operating between (-)30°C to (+)55°C. Fire rating -2A & 21B                                                                                                                                                                                                                                                                                                                                                               | Each | 3721.00                            |
|               | E) 09 Kg with ISI marked Mono Ammonium Phosphate base ABC power conforming to IS:14609 and pressurized with nitrogen gas. Suitable for operating between (-)30°C to (+)55°C. Fire rating -3A & 34B                                                                                                                                                                                                                                                                                                                                                               | Each | 5074.00                            |
| 78            | Supply, Delivery and installation of Co <sub>2</sub> type fire extinguishers: HSN code-84241000                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |                                    |
|               | A) 02 Kg capacity with ISI marked Co <sub>2</sub> type fire extinguisher squeeze grip type conforming to IS:15683:2006 made from seamless cylinder conforming to IS:7285 duly approved by Chief controller of explosive, Nagpur, fitted with ISI marked controller of explosive, Nagpur, fitted with ISI marked controlled valve conforming to IS:3224, discharge adopter and horn complete with initial gas charged with carrying handle and wall mounting bracket suitable for operating between (-)30°C to (+)55°C. Fire rating -8B.                          | Each | 6540.00                            |
|               | B) Same as above but 3 Kg .capacity .fire rating class-13B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Each | 7893.00                            |
|               | C) 4.5 Kg capacity with ISI marked Co <sub>2</sub> type fire extinguisher squeeze grip type conforming to IS:15683:2006 made from seamless cylinder conforming to IS:7285 duly approved by Chief controller of explosive, Nagpur, fitted with ISI marked controller of explosive, Nagpur, fitted with ISI marked controlled valve conforming to IS:3224, high pressure 1 mtr. long discharge hose and horn complete with initial gas charged with carrying handle and wall mounting bracket suitable for operating between (-)30°C to (+)55°C. Fire rating -13B. | Each | 9020.00                            |
|               | D) 6.5 Kg capacity with ISI marked Co <sub>2</sub> type fire extinguisher squeeze grip type conforming to IS:15683:2006 made from seamless cylinder conforming to IS:7285 duly approved by Chief controller of explosive, Nagpur, fitted with ISI marked controller of explosive, Nagpur, fitted with ISI marked controlled valve conforming to IS:3224, high pressure 1 mtr. long discharge hose and horn complete with initial gas charged mounted on trolley wheels.                                                                                          | Each | 12177.00                           |
|               | E) Same as above but 9 Kg. capacity mounted on trolley wheels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Each | 14432.00                           |
|               | F) Same as above but 22.5 Kg. capacity with 5 mtrs long discharge hose and horn mounted on trolley wheels complete in all respect as per direction of EIC                                                                                                                                                                                                                                                                                                                                                                                                        | Each | 29845.00                           |

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 79            | Supply, Delivery and installation of Powder type fire extinguishers (Cartridge type): HSN code-84241000.                                                                                                                                                                                                                                                                                                                                                           |      |                                    |
|               | A) ISI marked Powder type fire extinguisher for class 'B' & 'C' fire 4 Kg. capacity fitted with forged brass squeeze lever discharge valve conforming to IS:15683:2006 complete with initial refill consisting of ISI marked Co <sub>2</sub> gas cartridge of 120 grams capacity conforming to IS:4947 and ISI marked sodium base dry chemical powder conforming to IS:4308, suitable for operating between (-) 30°C to (+) 55°C. Fire rating -13B.                | Each | 5074.00                            |
|               | B) Same as above but 6 Kg .capacity .fire rating class-21B                                                                                                                                                                                                                                                                                                                                                                                                         | Each | 5413.00                            |
|               | C) Same as above but 9 Kg. capacity with ISI marked Co2 gas cartridge of 200 grams capacity, fire rating class-34B                                                                                                                                                                                                                                                                                                                                                 | Each | 6427.00                            |
|               | D) ISI marked Powder type fire Engine 25 Kg. capacity conforming to IS:10658 fitted with gun metal cap, high pressure discharge hose with nozzle, mounted on trolley wheels complete with initial refill consisting of Co2 cylinder of 1 Kg.capacity with ISI marked controlled valve conforming to IS:3224 and ISI marked sodium base dry chemical powder conforming to IS:4308.                                                                                  | Each | 16462.00                           |
|               | E) ISI marked Powder type fire Engine 50 Kg. capacity conforming to IS:10658 fitted with gun metal cap, high pressure discharge hose with nozzle, mounted on trolley wheels complete with initial refill consisting of Co2 cylinder of 2 Kg.capacity with ISI marked controlled valve conforming to IS:3224 and ISI marked sodium base dry chemical powder conforming to IS:4308.                                                                                  | Each | 26496.00                           |
|               | F) ISI marked Powder type fire Engine 75 Kg. capacity conforming to IS:10658 fitted with gun metal cap, high pressure discharge hose with nozzle, mounted on trolley wheels complete with initial refill consisting of Co2 cylinder of 2 Kg.capacity with ISI marked controlled valve conforming to IS:3224 and ISI marked sodium base dry chemical powder conforming to IS:4308.                                                                                  | Each | 31007.00                           |
| 80            | Foam type Fire Extinguishers HSN Code:84241000                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                    |
|               | A) ISI marked Foam Stored Pressure type fire Extinguisher 9 ltrs capacity consisting of welded cylinder, squeeze lever discharge valve fitted with pressure indicating gauge with internal discharge tube, discharge nozzle, suspension bracket, conforming to IS:15683 duly charged with ISI marked Aqueous film forming foam conforming to IS:4989 and pressurized with nitrogen gas. Suitable for operating between (+) 5°C to (+) 55°C. Fire rating -3A & 34B. | Each | 3383.00                            |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
|               | B) ISI marked Foam (AFFF) type fire Extinguisher 9 ltrs capacity Fitted with forged brass, squeeze lever discharge valve, conforming to IS:15683:2006 complete with initial refill consisting of ISI marked Co2 gas cartridge of 60 grams capacity conforming to IS:4947 and ISI Marked AFFF conforming to IS:4989, Suitable for operating between (+) 5°C to (+)55°C. Fire rating -3A & 34B.                       | Each | 5638.00                            |
|               | C) ISI marked Foam (AFFF) type fire Extinguisher 50 ltrs capacity Fitted with forged brass, squeeze lever discharge valve, conforming to IS:15683:2006 complete with initial refill consisting of ISI marked Co2 gas cartridge of 300 grams capacity conforming to IS:4947 and ISI Marked AFFF conforming to IS:4989, Mounted on trolley wheels conforming to IS:13386.                                             | Each | 14658.00                           |
|               | D) ISI marked Foam (AFFF) type fire Extinguisher 135/150 ltrs capacity Fitted with forged brass, squeeze lever discharge valve, conforming to IS:15683:2006 complete with initial refill consisting of ISI marked Co2 gas cartridge of 300 grams capacity conforming to IS:4947 and ISI Marked AFFF conforming to IS:4989, Mounted on trolley wheels conforming to IS:14951.                                        | Each | 45101.00                           |
| 81            | Water type fire extinguishers: HSN Code:84241000                                                                                                                                                                                                                                                                                                                                                                    |      |                                    |
|               | A) ISI marked water stored Pressure type fire Extinguisher 9 ltrs capacity consisting of welded cylinder, squeeze lever discharge valve fitted with pressure indicating gauge with internal discharge tube, discharge nozzle, suspension bracket, conforming to IS:15683:2006 duly charged with purged water and pressurized with nitrogen gas. Suitable for operating between (+) 5°C to (+)55°C. Fire rating -3A. | Each | 3271.00                            |
|               | B) ISI marked water stored Pressure type fire Extinguisher 9 ltrs capacity Fitted with forged brass, squeeze lever discharge valve, conforming to IS:15683:2006 complete with initial refill consisting of ISI marked Co2 gas cartridge of 60 grams capacity conforming to IS:4947 Suitable for operating between (+) 5°C to (+)55°C. Fire rating -3A.                                                              | Each | 5525.00                            |
|               | C) ISI marked water stored Pressure type fire Extinguisher 50 ltrs capacity Fitted with gun metal cap, discharge hose, nozzle conforming to IS:13385 complete with initial refill consisting of ISI marked Co2 gas cartridge of 300 grams capacity conforming to IS:4947 mounted on trolley wheels.                                                                                                                 | Each | 13531.00                           |
|               | D) -Do- but 135/150 ltrs.capacity Mounted on trolley wheels conforming to IS:13385.                                                                                                                                                                                                                                                                                                                                 | Each | 41717.00                           |

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                            | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 82            | Clean agent HFC-236 type fire Extinguishers: HSN Code-84241000                                                                                                                                                                                                                                                                                                                                  |      |                                    |
|               | A) ISI marked Clean agent HFC-236 type fire Extinguisher 2 Kg capacity consisting of welded cylinder, squeeze lever discharge valve fitted with pressure indicating gauge with internal discharge tube, discharge nozzle, suspension bracket, conforming to IS:15683 duly charged and pressurized with nitrogen gas. Suitable for operating between (+) 5°C to (+)55°C. Fire rating -8B.        | Each | 11275.00                           |
|               | B) -Do- But 4 Kg capacity with discharge hose and nozzle, Fire rating class-1A&13B                                                                                                                                                                                                                                                                                                              | Each | 22550.00                           |
|               | C) -Do- But 6 Kg capacity with discharge hose and nozzle, Fire rating class-2A&21B                                                                                                                                                                                                                                                                                                              | Each | 29315.00                           |
| 83            | Automatic Modular Clean agent HFC-236 type fire Extinguishers: HSN Code-84241000                                                                                                                                                                                                                                                                                                                |      |                                    |
|               | A) ISI marked Automatic Modular Clean agent HFC-236 type fire Extinguisher 2 Kg capacity made of M.S. body treated against corrosion fitted with heat sensitive glass bulb sprinkler heads (68°C/79°C), pressure indicator, arrangement for fixing to the ceiling and pressurized with nitrogen gas to 15Kg./cm <sup>2</sup> . Suitable for covering 200 Cu.Ft) volume.                         | Each | 13531.00                           |
|               | B) -Do- But 5 Kg capacity Suitable for covering 13.25 cu. M (465 Cu.Ft) volume.                                                                                                                                                                                                                                                                                                                 | Each | 29315.00                           |
|               | C) -Do- But 10 Kg capacity Suitable for covering 26.5 cu.m (935 Cu.Ft) volume.                                                                                                                                                                                                                                                                                                                  | Each | 54121.00                           |
| 84            | Automatic Modular ABC Powder type fire Extinguishers: HSN Code-84241000                                                                                                                                                                                                                                                                                                                         |      |                                    |
|               | A) ISI marked Automatic Modular ABC Powder type fire Extinguisher 2 Kg capacity made of M.S. body treated against corrosion fitted with heat sensitive glass bulb sprinkler heads (68°C/79°C), pressure indicator, arrangement for fixing to the ceiling and pressurized with nitrogen gas to 15Kg./cm <sup>2</sup> . Suitable for covering 1.5-2 m <sup>2</sup> and 3.5 m <sup>3</sup> volume. | Each | 3383.00                            |
|               | B) -Do- But 5 Kg capacity Suitable for covering 3.5-4 m <sup>2</sup> and 8 m <sup>3</sup> volume.                                                                                                                                                                                                                                                                                               | Each | 6539.00                            |
|               | C) -Do- But 10 Kg capacity Suitable for covering 7-8 m <sup>2</sup> and 15 m <sup>3</sup> volume.                                                                                                                                                                                                                                                                                               | Each | 7441.00                            |
| 85            | Cleaning, Refilling, Hydro testing of Existing ABC type fire extinguisher of 6 K.G. capacity with change of damaged spares including removing from site & re-fixing after refilling.                                                                                                                                                                                                            | Each | 1,571.00                           |



# **C-Series**

**(ANALYSIS)**  
**UD & MA SCHEDULE**



## CABLE JOINTING &amp; END TERMINATION

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 1             | Making Indoor type End termination Joint by providing all required terminal joints accessories {viz Heat Shrink Type End Termination Jointing Kits complete with all accessories for 3 core 6.6KV(UE)-11KV (E) XLPE Screened Cable, Aluminium Conductor} & man/equipments tools & tackles etc with the relevant Switch Gear inside the Pumping Station or Switch Room with care & caution including compliance of relevant safety norms & conforms to the relevant IS and complete in all respect as per direction of EIC. |      |                                    |
|               | 3 core 6.6KV (UE)-11KV (E) XLPE Screened Cable, Aluminium Conductor of following Sizes                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                    |
|               | a) 400 Sq mm Indoor type Heat Shrinkable Joint (Rechem KIT No- EPKT 3131)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Each | 20,471.00                          |
|               | b) 240- 300 Sq mm Indoor type Heat Shrinkable Joint (Rechem KIT No- EPKT 3121)                                                                                                                                                                                                                                                                                                                                                                                                                                             | Each | 19,621.00                          |
|               | c) 120-185 Sq mm Indoor type Heat Shrinkable Joint (Rechem KIT No- EPKT 3111)                                                                                                                                                                                                                                                                                                                                                                                                                                              | Each | 18,675.00                          |
| 2             | Making Straight through Joint by providing all required jointing accessories {viz-viz Heat Shrink Type End Termination Jointing Kits complete with all accessories for 3 core 6.6KV (UE)-11KV (E) XLPE Screened Cable, Aluminium Conductor} & man/equipments tools & tackles etc with care & caution including compliance of relevant safety norms & conforms to the relevant IS and complete in all respect as per direction of EIC.                                                                                      |      |                                    |
|               | <b>3 core 6.6KV (UE)-11KV (E) XLPE Screened Cable, Aluminium Conductor of following Sizes</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |      |                                    |
|               | a) <b>240- 400 Sq mm Indoor type Heat Shrinkable Joint (Rechem KIT No- EPKJ 3118)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each | 47,695.00                          |
|               | b) <b>120-185 Sq mm Indoor type Heat Shrinkable Joint (Rechem KIT No- EPKJ 3117)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       | Each | 44,081.00                          |
| 3             | Supply & fixing of straight through joint box including ferule and other jointing materials, making joints and filling with compound suitable for the following aluminum conductor underground PVC insulated cable as required Cable size- for 3/3.5/4 core 10 Sq. mm. to 50 Sq. mm.                                                                                                                                                                                                                                       | Each | 1767.00                            |



# **D-Series**

**(RATE)**

## **UD & MA SCHEDULE**



## MAINTENANCE AND MANAGEMENT OF INDOOR/OUTDOOR ELECTRICAL INSTALLATIONS

| Serial Number | Description of Items                                                                                                                                                                                                                       | Unit                 | Rate (without GST & Cess) (in Rs.) |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------|
| 1             | Inspection of Street Light Installation Every Day, including submission of record to the department, on the the next working day as per format, prescribed by the department as per direction of the EIC.                                  | Per Point<br>Per Day | 1.00                               |
| 2             | Attending pillar box / switch operation including switching on & off manually as per direction of the EIC, per pillar box/switch room.                                                                                                     | Per Point<br>Per Day | 12.00                              |
| 3             | Cleaning of perpex off luminaries : HPSV/HPMV/MH lumunaries of any wattage as per direction of the EIC.                                                                                                                                    | Per Point            | 18.00                              |
| 4             | Replacement of following item after listing including removing & Re-fixing of luninaries as required (Materials will be supplied departmentally): Incandescent/LED lamp BC/ES upto 500 watt/TL Starter/Tube light.                         | Per Point            | 13.00                              |
| 5             | Replacement of following item after listing including removing & Re-fixing of luninaries as required (Materials will be supplied departmentally) Sodium/Metal/MV/70 watt/150 watt/M.L./250watt/400watt/M.L.Lamp/Street light LED fittings. | Each                 | 64.00                              |
| 6             | Acrylic bowl for HPMV/HPSV lamp fittings Condenser/Ignitor for HPSV/HPMV/MH Lamp.                                                                                                                                                          | Each                 | 36.00                              |
| 7             | Hoisting fixing and commissioning of luminaries including making necessary connection and earthing attachment: HPMV/HPSV luminaries/LED fittings of any wattage.                                                                           | Each                 | 96.00                              |
| 8             | Removing of luminaries with lamp from the pole/column and keeping them ready for dispatch as per direction of EIC: HPMV/HPSV luminaries/MH/LED street light fittings.                                                                      | Each                 | 60.00                              |



# **E-Series**

**(RATE)**

## **UD & MA SCHEDULE**



## ELECTRIC CREMATORIUM FOR HUMAN BEING

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unit     | Rate (without GST & CESS) (in Rs.) |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------|
| 1             | <b>DISMANTLING:</b><br>Dismantling of all damage fire bricks from the furnace chamber such As 9 nos Roast Bricks. Ash collection bricks (M.K-16 to M.K-24) 9 Sets angle or shaped bricks M.K-88-18 nos. M.K-100-4nos., M.K-101-4 nos refractory / side bricks M.K-27-18nos. M.K-29-18 nos through clearing of as collection chamber, air ducts by removing the ash inside the furnished chamber for patch repairing purpose.                                                                                                                                | One item | 2370.00                            |
| 2             | <b>REMOVING OF STACK:</b><br>Removing the broken bricks & all rubbishes to outside crematory/ dumping ground incl. loading, unloading, stacking & cost for transportation during patch repairing purpose .                                                                                                                                                                                                                                                                                                                                                  | One item | 4024.00                            |
| 3             | <b>PATCH WORK (RELINING):</b><br>Relining the refractory shaped bricks, tiles, Angles bricks etc with good quality fire clay mortar by skilled labor (specially for cremation furnace) neat finishing and fitting for easy movement of the charging trolley over the roast bricks as per the direction of E.I.C of the dept. washing of the of the entire chamber with Sodium Siliminate clay should be necessary.Roast bricks-9 nos, Ash bricks-(M.K-24)-9nos Angle bricks-M.K-88-18nos, M.K-100-4 nos, M.K-101-4 nos.Side bricks-M.K-27-18nos, M.K-29nos. | One item | 6042.00                            |
| 4             | <b>PATCH WORK WITH BRICKS:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                                    |
|               | a) Roast bricks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Each     | 1579.00                            |
|               | b) Ash bricks (M.K.-16 to M.K.-24)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Set      | 6303.00                            |
|               | c) Angle bricks M.K-88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Each     | 733.00                             |
|               | d) Angle bricks M.K-100-4nos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Set      | 1015.00                            |
|               | e) Angle bricks M.K—101-4nos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Set      | 1015.00                            |
|               | f) Side bricks M.K-27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Each     | 203.00                             |
|               | g) Side bricks M.K-29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Each     | 147.00                             |
|               | h) Good quality fire clay mortar Washing of the entire chamber with Sodium Siliminate clay should be necessary.                                                                                                                                                                                                                                                                                                                                                                                                                                             | per bag  | 197.00                             |
| 5             | <b>ALTER (WITH BRICKS M.K.92):</b><br>Construction of Alter in front of furnace chamber flash to furnace door inside with M.K –92 fire bricks with good quality fire clay mortar                                                                                                                                                                                                                                                                                                                                                                            | Each     | 926.00                             |
| 6             | <b>ALTER(WITH BRICKS M.K.95) :</b><br>Re-lining charges with M.K-95 bricks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Each     | 764.00                             |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Unit                 | Rate (without GST & CESS) (in Rs.) |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------|
| 7             | <b>BLANKET FOR FURNACE DOOR :</b><br>Construction of door blanket with 2 layers of ceramic blanket of density 96kg/cm <sup>3</sup> with 2 layers of ceramic blanket of density 128 kg/cm <sup>3</sup> and to be fitted in the spikes with S.S.pin so as the blanket does not come out.                                                                                                                                                                                  | One item             | 10498.00                           |
| 8             | <b>CONSTRUCTION OF DOOR BLANKET:</b><br>a) Supply, Fixing the S.S 304 spike from inside the furnace door each of 280mm dia for holding the ceramic blanket                                                                                                                                                                                                                                                                                                              | Each                 | 399.00                             |
| 9             | <b>FRONT COVER OF FURNACE DOOR:</b><br>Supplying and fixing the new cover made of from 3.15 mm (10 SWG) CRCA sheet over all dimension 2400 mm X 1200mm with top arched shape as per existing drill holes for fixing over the furnace door in two halves.<br>L.H Side<br>R.H Side                                                                                                                                                                                        | Each<br>Each         | 7381.00<br>7381.00                 |
| 10            | <b>BACK COVER OF FURNACE DOOR:</b><br>Supplying and fixing the new cover made of from 3.15 mm (10 SWG) CRCA sheet over all dimension 2400 mm X 1200mm with top arched shape as per existing drill holes for fixing over the furnace door in two halves.<br>L.H Side<br>R.H Side                                                                                                                                                                                         | Each<br>each         | 7520.00<br>7520.00                 |
| 11            | <b>BALL BEARING:</b><br>a) Supply and fixing the ball bearing (SKF make) of furnace door by opening Palmer Block including wearing tapered sleeve as existing size with locking nut.<br>i) SKF make 1207EKTN9<br>ii) SKF make 1211EKTN9<br>iii) SKF make 1213EKTN9                                                                                                                                                                                                      | Each<br>Each<br>Each | 1833.00<br>2786.00<br>3749.00      |
| 12            | <b>PALMER BLOCKS:</b><br>a) Supply and fixing the C.I Palmer Block of shaft size 62.5 mm dia.(SKF make)                                                                                                                                                                                                                                                                                                                                                                 | One item             | 11122.00                           |
| 13            | <b>CLEANING AND REPAIRING OF FUEL DUCT PASSAGE:</b><br>a) Removing the complete damaged R.S bricks and R.S slab of the (U.G) duct passage of the furnace chamber and thorough cleaning of the duct passage upto the start of brick build chimney by removing ash/carbon particles and relining the same with R.S Slabs & R.S bricks after mending good damages in the duct passages with insulation brick and red brick (1:4) with all necessary cementing masonry work | One item             | 7632.00                            |

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit     | Rate<br>(without GST &<br>CESS)<br>(in Rs.) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------|
|               | b) Supply & Fixing of R.S. slab after removing the same with necessary fire clay mortar.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Each     | 688.00                                      |
| <b>14</b>     | <b>HEATING ELEMENT:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |                                             |
|               | a) Supply and fixing the Heating element (Heatco make) of capacity 4.5 K.W to be working in supply voltage of 240 V 50 Hz made from 80/20 Nicrome wire of 8 SWG in coiled coil from welded S.S stud on both ends. The coil should be inserted into the groove of existing coil brick after proper cleaning and the S.S Studs housed into the ceramic caller tube wrapped. With asbestos rope for tight fitting and sealing as heat proof extended S.S stud to be connected brass/ copper connector with complete connection in all respect of existing system. | One item | 20302.00                                    |
|               | b) Supplying and fixing the terminal connector having drill holes for inserting S.S stud of 8.5 mm dia and connection point of existing copper wires of overall dimension 80mm long x25mm square shape.                                                                                                                                                                                                                                                                                                                                                        | One item | 376.00                                      |
| <b>15</b>     | <b>TEMPERATURE CONTROLLER:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                                             |
|               | a) Supply and fixing the digital type temperature controller of range (0-1200) deg. C of overall dimension 92 sq mm dia x 105mm depth having (CR-A1) heat sensor and 1 no + 1 N.C change over contact to be actuated at crossed of desired temperature in deg.C complete power supply unit of 230V 50 Hz.                                                                                                                                                                                                                                                      |          |                                             |
|               | i) Blue Max make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Each     | 3461.00                                     |
|               | ii) Flame India make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Each     | 2232.00                                     |
| <b>16</b>     | <b>THERMOCOUPLE:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                                             |
|               | a) Supply and fixing the thermocouple of heat sensing range 0-1200 deg. C having (Cr-A1) sensor house in S. Sd 304 casing of dimension 1200 mm long x 22 mm OD complete encased in to it and fitted terminal on other end for connection of compensating wire.                                                                                                                                                                                                                                                                                                 |          |                                             |
|               | i) Heatco make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Each     | 4599.00                                     |
|               | ii) Temcon make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Each     | 2293.00                                     |
|               | iii) Blue Max make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Each     | 4543.00                                     |
|               | iv) Flame India make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Each     | 4543.00                                     |
| <b>17</b>     | <b>COMPENSATING WIRE:</b><br>Supply, laying drawing of 2 core 0.5 sq mm CR-A1 compensating wire for heat sensing from thermocouple to temperature controller covered with asbestos embedded tape (Flame India make)                                                                                                                                                                                                                                                                                                                                            | R.M      | 89.00                                       |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unit | Rate (without GST & CESS) (in Rs.) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 18            | <b>POWER CONTACTORS:</b><br>a) Supply and fixing the power contactor T.P 70A, L & T make (ML-4) having 240V, 50Hz, coil incl. 2 NO + 2 NC Aux contact block.<br>b) Supply and fixing the power contactor T.P 16A, L & T make having 240V, 50Hz, coil incl. 1NO+1NC aux contact block.<br>c) Supply and fixing Bimetal O / L relay having range of (1.4 to 2.3) A, for 1.5kw fresh air blower motor.                                                                                                                                                | Each | 10724.00                           |
| 19            | <b>DOUBLE BALL BEARING FOR SN-E SHAFT OF I.D FAN (12000CU.M/HR):</b><br>Supply and fixing of the Roller bearing in the shaft of blower (SKF make 22312E/C3)                                                                                                                                                                                                                                                                                                                                                                                        | Each | 12218.00                           |
| 20            | <b>PALMER BLOCK:</b><br>a) Supply, fitting and fixing C.I palmer block for suitable to EN-24, 60 mm dia shaft including proper alignment and fixing in the pedestrian of the blower for free run of impeller.                                                                                                                                                                                                                                                                                                                                      | Each | 13018.00                           |
| 21            | <b>"V" GROOVED PULLEY (C.I):</b><br>Supply and fixing the 3way C.I "V" grooved pulley with complete mechanism key way suitable to EN-24, 50 mm dia of shaft end.<br>a) blower driving (375 mm dia)                                                                                                                                                                                                                                                                                                                                                 | Each | 5236.00                            |
| 22            | <b>IMPELLER (12000 CU M /HR CAPACITY):</b><br>Manufacture, Supply, Fitting and fixing S.S.-304 grade impeller of 635 mm dia. X 110 mm width in overall dimension. Welded with 12 nos. skewed fins/blade (size: 175mm x 100mm x 4mm thickness) at 30° Angle on the impeller centre point with Back plate and Front plate. Size of Back plate and front plate is (635mm dia. x 6mm thickness) respectively . After Fitting, Fixing of shaft with impeller dynamically balance for smooth air discharge capacity 12000 cu. m. /hr.                    | Each | 42304.00                           |
| 23            | <b>EN-24 SHAFT OF IMPELLER (60 MM DIA, 1000 MM LONG):</b><br>a) Supply and fixing with EN-24 shaft of 60 mm dia x 1000mm long complete machining in true length, both side steps down 50mm dia x 150mm long or 100mm long for impeller side and pully side respectively incl. key slot on both ends having dimension 150mm x 10mm x 5mm for impeller side and 100mm x 10mm x5mm for pully side on both ends of shaft is grinded and tapped 12mm dia. for lock washer to fitted of 100mm dia. and 8mm thickness and centrally drilled for 14mm dia. | Each | 10576.00                           |

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit                         | Rate (without GST & CESS) (in Rs.)       |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------|
| 24            | <b>CASING OF BLOWER:</b><br>Supply and Fixing enclosure of 12000m <sup>3</sup> /hr. capacity I.D. fan made by 5 mm thickness M.S. Sheet (as per drg.) overall dimension 1050 mm circular body and depth of body 400 mm. Delivery side rectangular size (650mmx400mm) and trapizoid portion parallel length 800 mm, 200mm respectively, height of the trpezoid 650 mm suction side tapered ciircular shape having 500 mm to 380 mm and length 680 mm. Fitted with pedestral for Plamer block resting including supporting frame of the body incl. necessary fondation work. | Each                         | 74025.00                                 |
| 25            | <b>REPAIRING OF EN-24 SHAFT OF (60 MM DIA) OF I.D FAN:</b><br>Repairing the worn out portion of 60 mm dia shaft (EN-24) like bearing seat and key way by welding and complete machining as per I.D of bearing and C.I pulley.                                                                                                                                                                                                                                                                                                                                              | One item                     | 3945.00                                  |
| 26            | Repairing the worn out damaged portion of M.S. body of enclosure of I.D. fan etc. including necessary cutting, welding etc. and after repairing the said portion to be painted.                                                                                                                                                                                                                                                                                                                                                                                            | One item                     | 6703.00                                  |
| 27            | Manufacture, supply and erection of M.S chassis made from 150mm x 75mm x 8 mm channel as per dimension of I.D fan and motor sets complete fabrication, welding ,grinding drill holes for fixing motor blower set as per direction of Engineer-In-Charge                                                                                                                                                                                                                                                                                                                    | One Item                     | 24529.00                                 |
| 28            | Supply, fitting & fixing M.S circular duct made of 5mm M.S plate, 450mm dia having both end circular flange welded 50mm width x 6mm thick with mounting drill holes 13mm dia drill holes incl. one coat primer and two coats synthetic enamel paints as per direction of Engineer-in-charge.                                                                                                                                                                                                                                                                               | Per meter                    | 15779.00                                 |
| 29            | Supply, fixing of 3 pole power contractor, Havelles make as following rating:<br>a) 12A, 1NO OR 1NC<br>b) 18A, 1NO OR 1NC<br>c) 25A, 1NO OR 1NC                                                                                                                                                                                                                                                                                                                                                                                                                            | Each<br>Each<br>Each         | 792.00<br>893.00<br>1100.00              |
| 30            | Supply, fixing of 3 pole power contractor ML Type, L & T make as following rating:<br>a) ML-1.5, 2NO + 2NC (25A)<br>b) ML-2, 2NO + 2NC (32A)                                                                                                                                                                                                                                                                                                                                                                                                                               | Each<br>Each                 | 2496.00<br>4531.00                       |
| 31            | Supply, fixing of 3 pole power contractor MO Type, L & T make as following rating:<br>a) MO-18, 1NO + 1NC (18A)<br>b) MO-25,<br>c) MO-32,<br>d) MO-40,                                                                                                                                                                                                                                                                                                                                                                                                                     | Each<br>Each<br>Each<br>Each | 1409.00<br>1475.00<br>3043.00<br>4619.00 |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                           | Unit                         | Rate (without GST & CESS) (in Rs.) |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------|
| 32            | Supply, fixing of MO/MOC SPREADER LINK KIT, L & T make: MO9-45/MOC3-30                                                                                                                                                                                                                                                         | Each                         | 344.00                             |
| 33            | Supply, fixing of single phase preventer, L & T make: SPPR-sz5(7wire), 380V                                                                                                                                                                                                                                                    | Each                         | 614.00                             |
| 34            | Supply, and fixing of 1 HP self Priming pump: Make- KSB, Peribloc-1                                                                                                                                                                                                                                                            | Each                         | 6377.00                            |
| 35            | Supply, and fixing of 2 HP Centrifugal Monoblock pump Make- KSB, AGRIBLOC 20-5050                                                                                                                                                                                                                                              | Each                         | 12803.00                           |
| 36            | Supply, and fixing of HT insulation rubber Mat of following sizes:-<br>a) 2.0 mm thick (upto 11 KV)<br>b) 2.5 mm thick (upto 22 KV)<br>c) 6.0 mm thick (upto 33 KV)                                                                                                                                                            | Each<br>Each<br>Each<br>Each | 2204.00<br>2644.00<br>4386.00      |
| 37            | Refixing of impeller of Blower after dynamic balancing in workshop as per IS rule after dismantling the same .                                                                                                                                                                                                                 | Each                         | 8177.00                            |
| 38            | Supply and fixing of palmer Block (SNH520TS) for 40 HP I.D. Fan/Blower (specially for APC devices of Wooden Pyres)                                                                                                                                                                                                             | Each                         | 10281.00                           |
| 39            | Supply and fixing of Adapter Sleeve with oil groove(H320/PC) for 40 HP I.D. Fan/Blower (specially for APC devices of Wooden Pyres)                                                                                                                                                                                             | Each                         | 2490.00                            |
| 40            | Supply and fixing of Locating Ring(FRB 12/180) for 40 HP I.D. Fan/Blower (specially for APC devices of Wooden Pyres)                                                                                                                                                                                                           | Each                         | 671.00                             |
| 41            | Supply and fixing of Adapter Sleeve with oil groove(H313/PC) for 25 HP I.D. Fan/Blower (specially for APC devices of Wooden Pyres)                                                                                                                                                                                             | Each                         | 765.00                             |
| 42            | Supply, fitting & fixing M.S circular duct made of 5mm M.S plate, 600mm dia having both end circular flange welded 50mm width x 6mm thick with mounting drill holes 13mm dia drill holes incl. one coat primer and two coats synthetic enamel paints as per direction of Engineer-in-charge. (FOR WOODEN PYRES)                | Each                         | 20467.00                           |
| 43            | Supply, fitting & fixing M.S circular duct made of 3mm S.S.-304 plate, 600mm dia having both end circular flange welded 50mm width x 6mm thick with mounting drill holes 13mm dia drill holes incl. one coat primer and two coats synthetic enamel paints as per direction of Engineer-in-charge. (SPECIALLY FOR WOODEN PYRES) | Each                         | 29770.00                           |
| 44            | Supply, fitting & fixing 1 Meter M.S circular duct made of 5mm M.S plate, 500mm dia having both end circular flange welded 50mm width x 6mm thick with mounting drill holes 13mm dia drill holes incl. one coat primer and two coats synthetic enamel paints as per direction of Engineer-in-charge.                           | per mtr.                     | 16343.00                           |
| 45            | Supply and fixing the tough "V" belts of sizes(ECODRIVE make)-B94                                                                                                                                                                                                                                                              | Each                         | 846.00                             |
| 46            | Supply and fixing the tough "V" belts of sizes(ECODRIVE make)-B98                                                                                                                                                                                                                                                              | Each                         | 877.00                             |

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                              | Unit     | Rate (without GST & CESS) (in Rs.) |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------|
| 47            | Supply and fixing the tough "V" belts of sizes(ECODRIVE make)-C-98                                                                                                                                                                                                                                                                                                | Each     | 1204.00                            |
| 48            | Supply and fixing the tough "V" belts of sizes(ECODRIVE make)-C-144                                                                                                                                                                                                                                                                                               | Each     | 1666.00                            |
| 49            | Dismantling the 12000 cu M/hr I.D. Fan/blower of 12000 cu M/hr capacity from its foundation by opening the foundation bolts/driving bolts and flexible compiling of inlet, outlet canvas duct for repairing purpose.                                                                                                                                              | one item | 2689.00                            |
| 50            | Re fixing /mounting the 12000 cu M/ hr I.D fan /blower over its foundation by Means of nuts, bolts, washers connecting the inlet and outlet canvas cloth duct & wearing the "V" belt complete alignment in respect to driving motor of 25H.P squirrel cage motor                                                                                                  | one item | 3357.00                            |
| 51            | Dismantling the 25 H.P (18.5 KW) squirrel cage motor from its foundation by Opening mounting bolts and disconnection of cables from terminal box and open The "V" belts for repairing purpose (in condition)                                                                                                                                                      | one item | 2568.00                            |
| 52            | Re fixing the 25 H.P star/delta squirrel cage motor over its foundation by mean of mounting bolts & nuts, washer complete connection of existing led of cable at the terminal box and wear the "V" belts with proper alignment in respect to I.D. fan (12000 cu M/hr capacity) by adjusting the side rail for smooth running                                      | one item | 3153.00                            |
| 53            | Supply and fixing the S.S 304 plates 14 S.W.G.( 2 mm) thick 980mm x 225mm complete cutting and grinding                                                                                                                                                                                                                                                           | Each     | 3953.00                            |
| 54            | Supply and fixing the water injection nozzle in form of cork screw or like end auger of dimension 80 mm height x 25.4 mm dia hexagonal tapered having thread at one side with 4mm dia drill hole centrally in which water may be spared wildy spirally like fly wheel at a normal pressure of water complete machining and testing.                               | Each     | 1307.00                            |
| 55            | Supply and fixing the mess of main pipe and branch pipe of I.D 40 m.m. and 25.4 mm respectively to be welded horizontally 8 nos at both side of main pipe as per overall dimension inside of pre-color (1800 mm / 1200 mm) having tapped whole suitable to thread of S.S/Brass nozzle to be 24 nos in one stage of both side made from S.S 304 medium gauge pipe. | one item | 12077.00                           |
| 56            | Supply and Fixing of 450 mm dia S.S.-304 Damper of 2mm thick plate with both end flanges                                                                                                                                                                                                                                                                          | one item | 23618.00                           |
| 57            | S/F 230V, LED indicating lamp, (Blue & White)                                                                                                                                                                                                                                                                                                                     | Each     | 339.00                             |
| 58            | S/F 230V, LED indicating lamp, (other colours)                                                                                                                                                                                                                                                                                                                    | Each     | 284.00                             |
| 59            | Supply & fixing 415V, HRC fuse (L&T make)- For 2-16 A                                                                                                                                                                                                                                                                                                             | Each     | 100.00                             |
| 60            | Supply & fixing 415V, HRC fuse (L&T make)- For 63A                                                                                                                                                                                                                                                                                                                | Each     | 283.00                             |
| 61            | Supply & fixing 415V, HRC fuse (L&T make)- For 100 A                                                                                                                                                                                                                                                                                                              | Each     | 490.00                             |



# **F-Series**

**(RATE)**

**UD & MA SCHEDULE**



## HIRING ITEMS

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                            | Unit        | Rate (without GST & Cess) (in Rs.) |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------|
| 1             | Hire charges for Supply and Fixing of temporary chain light arrangement with LED chain ( 50 number LED per set & approximate gap of six inch between two LED ) including necessary connection and maintain the same for:<br>a) 1st Night<br>b) Do – For subsequent night                                                                                                        | Set         | 55.00                              |
|               |                                                                                                                                                                                                                                                                                                                                                                                 | Set         | 22.00                              |
| 2             | Hire charges for Supply and Fixing of temporary decorative LED Gate/ Motif/Board lighting arrangement with bamboo /wooden structure of different model as required and as per direction of E I C with all accessories and wiring with proper size PVC wires including mains, sub main, switches etc and maintaining the same for:<br>a) 1 st night<br>b) -Do - Subsequent night | Per sq Ft.  | 86.00                              |
|               |                                                                                                                                                                                                                                                                                                                                                                                 | Per Sq. Ft. | 24.00                              |
| 3             | Hire charges for Supply and Fixing of metal halide flood light fittings for 400Watt metal halide lamp /200 Watt LED FLOOD light fittings with all accessories as required and wiring with proper size PVC wire including mains, sub main, switches ETC AND maintaining the same for:<br>a) 1st night<br>b) -Do-Subsequent night.                                                | Each        | 418.00                             |
|               |                                                                                                                                                                                                                                                                                                                                                                                 | Each        | 154.00                             |
| 4             | Hiring charge of 1 no. 125KVA 3 Phase silent DG set including supply & fixing of 400 Amp 4 pole changeover switch and laying of required capacity and lenght of cable with connection as reqd. (on temporary basis) and engaged one generator operator round the clock to run the generator as and when required(Including Fuel).                                               | day         | 6350.00                            |



# **G-Series**

**(RATE)**

## **UD & MA SCHEDULE**



## High Mast for Illumination Systems

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 01.           | Supply of 16 meter High mast lighting system with its accessories. Mast shaft shall be in two sections with steel material confirming to BSEN 10025 and material shall be high tensile steel, grade S355, hot dip galvanised confirming to BSEN ISO 1461 and suitable for wind velocity as per IS 875. It shall also include accessories for high mast including head frame, 2 continues steel wire rope 6 mm dia (7/19 construction), trailing cable, double drum winch, Galvanised Lantern carriage arrangement suitable for up to 9 luminaires symmetrically & its control gear (Make of Gear Box : New Allen Berry works / Chandra Gear / Elecon Engineering / Shanti Engineering) boxes and lightning finial. The mast shall have an integral powertool installed inside the base compartment for its operation along with Supply & Fixing of Cu Cable of Power Tool motor, Wiring for Luminaries, Anchor Plate, Foundation Bolt, Nut, Washer, Common Template all complete. Luminaire wiring materials not included in this item. (Make: Bajaj / Transrail / Valmond/ Utkarsh /Skipper)                | Item | 1,30,363.00                        |
| 02.           | Erection of high Mast (16 M) on RCC foundation with cement concrete considering actual SBC of soil, with the help of suitable modern engg. tools and Plants, wiring of luminaries with all wiring materials like PVC insulated flexible cable of suitable copper conductor core of 1.5 mm <sup>2</sup> lugs, up to 10 nos. 6A MCB along with construction of shallow foundation with cement concrete for high Mast considering the safe soil bearing capacity as per site condition, as per drawing and design of manufacturer of the mast. The soil test and submission of its report is within the scope of the work.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Item | 62,317.00                          |
| 03.           | Supply of 12.0 / 12.50 meter High mast lighting system with its accessories. Mast shaft shall be in two sections with steel material confirming to BSEN 10025 and material shall be high tensile steel, grade S355, hot dip galvanised confirming to BSEN ISO 1461 and suitable for wind velocity as per IS 875. It shall also include accessories for high mast including head frame, 2 continues steel wire rope 6 mm dia (7/19 construction), trailing cable, double drum winch, Galvanised Lantern carriage arrangement suitable for up to 9 luminaires symmetrically & its control gear( Make of Gear Box : New Allen Berry works / Chandra Gear / Elecon Engineering / Shanti Engineering) boxes and lightning finial. The mast shall have an integral power tool installed inside the base compartment for its operation along with Supply & Fixing of Cu Cable of Power Tool motor, Wiring for Luminaries, Anchor Plate, Foundation Bolt, Nut, Washer, and common Template all complete. Luminaire wiring materials not included in this item. (Make: Bajaj / Transrail / Valmond/ Utkarsh /Skipper) | Item | 1,02,809.00                        |

## Schedule of Rates

| Serial Number | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 04.           | Erection of high Mast (12.0 / 12.50 M) on RCC foundation with cement concrete considering actual SBC of soil, with the help of suitable modern engg. tools and Plants, wiring of luminaries with all wiring materials like PVC insulated flexible cable of suitable copper conductor core of 1.5 mm <sup>2</sup> lugs, up to 10 nos. 6A MCB along with construction of shallow foundation with cement concrete for high Mast considering the safe soil bearing capacity as per site condition, as per drawing and design of manufacturer of the mast. The soil test and submission of its report is within the scope of the work. | Item | 47,160.00                          |
| 05.           | Erection, testing & commissioning of up to 12.0 / 12.5 / 16.0 meter high mast on the existing civil foundation by bolts with suitable tools, tackles, machines etc, all complete, as per direction of the EIC.                                                                                                                                                                                                                                                                                                                                                                                                                    | Item | 25,483.00                          |

# **H-Series**

**(RATE)**

**UD & MA SCHEDULE**



## HIGH MAST FOR ILLUMINATION SYSTEMS

| Serial Number | Description of Items                                                                                                                                                                                                        | Unit | Rate (without GST & Cess) (in Rs.) |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|
| 1             | Supply and delivery of (ABB/L&T/KACO/POWER ONE Make) String Inverter                                                                                                                                                        |      |                                    |
| 1a)           | Rated output AC power : 5.8kW<br>AC grid connection type : Three phase 3W + PE or 4W + PE<br>Rated AC grid voltage : 400V<br>Rated output frequency: 50Hz<br>Maximum AC output Current: 10A                                 | Each | 90,000.00                          |
| 1b)           | Rated output AC power : 50kW<br>AC grid connection type :<br>Three phase 3W + PE or 4W + PE<br>Rated AC grid voltage : 400V<br>Rated output frequency: 50Hz<br>Maximum AC output Current: 77A                               | Each | 2,60,000.00                        |
| 2             | Supply and delivery of 320W (peak) solar PV Module with multi crystalline solar cell ( Make: TATA/WEBSOL)                                                                                                                   | Each | 7,680.00                           |
| 3             | Supply and fixing of Micro Inverter (Outdoor type) (Make: L&T/ABB/EXIDE/KACO/POWER ONE ) of capacity 300W and provision to auto synchronize with grid (230 Volt, 50Hz). The inverter should have built in protection system | Each | 18,055.00                          |
| 4             | Supply, Delivery and installation of Carbon Nutrality Manager located close to the AC distribution board. Monitoring System of Micro Inverter and appropriate Energy Meter (Make: ABB/L&T/CGL/EXIDE/POWER ONE).             | Each | 1,28,814.00                        |





Printed at  
*Saraswati Press Limited*  
(Government of West Bengal Enterprise)