

<b>TENDER DOCUMENT (PRICE BID)</b>	
<b>Name of work</b>	<b>: Improvements to Electrification in Public Buildings in BHEL Township</b>
<b>Tender Schedule No</b>	<b>: CT: TS: 001/ 19 - 20</b>
<b>Estimate / Tender Value</b>	<b>: Rs. 24,43,744.00 (Excluding GST)</b>
<b>EMD</b>	<b>: Rs. 48,875.00</b>
<b>Period of Contract</b>	<b>: 15 (Fifteen) Months</b>

**Important Note:**

**EMD EXEMPTION WILL NOT BE ALLOWED TO MSME / NSIC VENDORS** for works contract. This tender is categorized as a work contract. Hence Tenderers are compulsorily need to remit the required **EMD** in order to participate in the Tender. Tender without corresponding EMD will be summarily rejected and will not be considered for any reasons.

**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

BHE: P: C: T: 09:

Dt. 05 04 2019

**SCHEDULE 'A'**

**LIST OF WORKS AND PRICES**

**NAME OF WORK: IMPROVEMENTS TO ELECTRIFICATION IN PUBLIC BUILDINGS IN BHEL TOWNSHIP.**

I / We \_\_\_\_\_ have read the condition of tender attached hereto and agree to abide by such conditions. I / We offer to execute the works in **T.S No. CT: TS: 001/ 19 - 20 for a period of 15 (Fifteen) months** at the percentage below / at par / above the rates contained in Bill of Quantities appended below from **Page No. 3 to 12.**

I / We further agree to sign an Agreement Bond to abide by the General Conditions of Contract and to carry out all works according to the specifications for materials and works of Bharat Heavy Electricals Limited, Tiruchirappalli-620 014. In case of acceptance of the tender by the BHEL, I / We bind myself / ourselves to execute the contract documents within 7 days after notice that my/our tender has been accepted and this contract has been awarded to menus and thus failing which I / We shall have no objection to the forfeiture of the Earnest Money amount to **Rs. 48,875.00** lodged with Bharat Heavy Electricals Limited, Tiruchirappalli - 620 014.

I / We further agree to include all tools & plants and consumables required for the work in my / our scope but required power and water will be provided at one point by BHEL at free of cost and based on this, we have quoted our percentage.

**Note:** Details & Quantities of each item of work shown in the BILL OF QUANTITIES are only approximate and the same is appended below. They are given as a guide for the purpose of tendering only and are liable to variation and alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the overall percentage quoted by the contractor Below (100 - X %) / At par (100 %) / Above (100 + X %) of the rates provided in Bill of Quantities **appended below from Page No. 3 to 12.**

Sl. No.	Approx. Value of work	Common single Percentage Rate (Below (100 - X)% / At Par (100%) / Above (100 +X) %) to be quoted with respect to the rates provided in the Bill of Quantities (all items as enclosed in the Price Bid of the Tender Document) from <b>Page No. 3 to 12.</b>	
		In Figures	In Words
1.	<b>Rs. 24,43,744.00 (100%) (Excluding GST)</b>		

CONTRACTOR

2

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**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

BHE: P: C: T: 09:

Dt. 05 04 2019

**Note: BHEL estimate rates are given below. Contractor has to quote the overall percentage only {Below (100-X %) / At par (100%) / Above (100+X %)} at page No. 2 both in figures and in words**

**BHEL / TRICHY – 620 014  
CIVIL ENGINEERING DEPARTMENT - TOWNSHIP  
BILL OF QUANTITIES**

Name of work: **Improvements to Electrification in Public Buildings in BHEL Township.**

<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
10	Supply and wiring with 1.5 Sqmm PVC multistrand copper conductor cable 18 / 20 / 25 mm dia, 1.8 - 2mm thick PVC conduit pipe for ceiling fan / light including 1 No. 6A flush type (FT) switch 4" X 4" TW box with 3mm hylam sheet cover and 1 No. 3 plate ceiling rose on a TW round block and continuous run of No.14 SWG GI Wire.	1600	PO	440.00	<b>7,04,000.00</b>
20	Supply and fixing 1 No. flush type 5/6 amps 5 pin socket with 1 No. 5 / 6 amps flush type switch control for 5 / 6 amps 5 pin socket on a hylam sheet covered TW box of size 4" x 4" with continuous run of No.14 SWG GI wire with necessary inter connections	200	PO	104.00	<b>20,800.00</b>
30	Supply and fixing 1 No.of flush type 5 / 6 amps 5 pin socket with 1 No. of 5 / 6 amps flush type switch control for 5 / 6 amps 5 pin socket in the existing switch board with continuous run of No.14 SWG GI wire with necessary inter connections	200	PO	56.00	<b>11,200.00</b>
40	Supply and wiring with two runs of 4 sq.mm PVC multistrand copper conductor cable in 18 / 20 / 25 mm dia of 1.8-2mm thick PVC conduit pipe on wall with continuous run of No.14 SWG GI Wire..	1000	M	88.80	<b>88,800.00</b>
50	Supply and fixing 1 No.of flush type 15/16/20 amps 6 pin socket with 1 No. of 15/16/20 amps single pole flush type switch control on a hylam sheet covered 8" x 6" TW box with necessary inter connections with continuous run of No.14 SWG GI wire	100	PO	276.00	<b>27,600.00</b>
60	Supply and wiring with two runs of 2.5 Sqmm PVC multistrand copper conductor cable in 18 / 20 /25 mm dia, PVC conduit pipe on wall with continuous run of No.14 SWG GI wire	3000	M	80.00	<b>2,40,000.00</b>

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3

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**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

**BHE: P: C: T: 09:**

**Dt. 05 04 2019**

<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
70	Supply and fixing of 1 No. 32 amps 6 way TPN Metal clad distribution board (GEM/HAVELLS) with rewirable/HRC fuse carriers and 1 No. 63 Amps TPN metal clad isolator switch on a suitable angle iron frame work on wall. The distribution board should be fixed with supply of suitable adopter box and continuous run of No.14 SWG GI wire	2	Set	8320.00	<b>16,640.00</b>
80	Supply and laying following AA UG cable on poles/walls/ground including excavation of earth to a max. depth of 80 cm and laying single run of AA UG cable, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. 3 1/2 core 25 Sq.mm	20	M	180.00	<b>3,600.00</b>
90	Supply and laying following AA UG cable on poles/walls/ground including excavation of earth to a max. depth of 80 cm and laying single run of AA UG cable, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. <b>3 1/2 core 35 Sq.mm</b>	50	M	233.6.00	<b>11,680.00</b>
100	Supply and laying following AA UG cable on poles/walls/ground including excavation of earth to a max. depth of 80 cm and laying single run of AA UG cable, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. <b>3 1/2 core 50 Sq.mm</b>	25	M	248.00	<b>6,200.00</b>
110	Labour charges for laying following AA UG cable single run on poles/walls/ground including excavation of earth to a max. depth of 80 cm, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. Cables will be supplied by BHEL at stores at free of cost. <b>2/3/4 core 6,10 and 16 Sq.mm</b>	1050	M	220.00	<b>2,31,000.00</b>
120	Labour charges for laying following AA UG cable single run on poles/walls/ground including excavation of earth to a max. depth of 80 cm, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. Cables will be supplied by BHEL at stores at free of cost. <b>3 1/2 / 4 core 25 and 35 Sq.mm</b>	600	M	220.00	<b>1,32,000.00</b>
130	Labour charges for laying following AA UG cable single run on poles/walls/ground including excavation of earth to a max. depth of 80 cm, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. Cables will be supplied by BHEL at stores at free of cost. <b>3 1/2 / 4 core 50 Sq.mm</b>	600	M	220.00	<b>1,32,000.00</b>

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4

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**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

**BHE: P: C: T: 09:**

**Dt. 05 04 2019**

<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
140	Labour charges for laying following AA UG cable single run on poles/walls/ground including excavation of earth to a max. depth of 80 cm, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. Cables will be supplied by BHEL at stores at free of cost. <b>3 ½ / 4 core 95 Sq.mm</b>	100	M	220.00	<b>22,000.00</b>
150	Labour charges for laying following AA UG cable single run on poles/walls/ground including excavation of earth to a max. depth of 80 cm, supply and placing of bricks longitudinally, refilling the excavated earth etc. complete. Cables will be supplied by BHEL at stores at free of cost. <b>3 ½ / 4 core 185 / 225 Sq.mm</b>	50	M	68.00	<b>3,400.00</b>
160	Making end termination to the following UG cable. Suitable cable gland and aluminium lugs should be used. Gland should be earthed by No.14 SWG GI wire with suitable clamps. <b>2/3/4 core 6,10 and 16 Sq.mm</b>	50	EA	96.00	<b>4,800.00</b>
170	Making end termination to the following UG cable. Suitable cable gland and aluminium lugs should be used. Gland should be earthed by No.14 SWG GI wire with suitable clamps. <b>3½ / 4 core 25,35 and 50 Sq.mm.</b>	50	EA	124.00	<b>6,200.00</b>
180	Making end termination to the following UG cable. Suitable cable gland and aluminium lugs should be used. Gland should be earthed by No.14 SWG GI wire with suitable clamps. <b>3½ / 4 core 95 Sq.mm</b>	10	EA	372.00	<b>3,720.00</b>
190	Making end termination to the following UG cable. Suitable cable gland and aluminium lugs should be used. Gland should be earthed by No.14 SWG GI wire with suitable clamps. <b>3½ / 4 core 185 / 225 Sq.mm.</b>	5	EA	1380.00	<b>6,900.00</b>

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5

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**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14****BHE: P: C: T: 09:****Dt. 05 04 2019**

<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
200	Supply and fixing of water tight metal bulk head fitting with lamp holder, guard, glass, 60 W bulb etc. complete.	5	EA	360.00	<b>1,800.00</b>
210	Supply and fixing of GENELEC / CROMPTON / BAJAJ patti fitting with 1 No. 40W fluorescent lamp on wall / ceiling using TW/PVC round blocks	100	EA	360.00	<b>36,000.00</b>
220	Supply and fixing weather proof meter box of size 50x40x20 CM (approx.) with hinged doors made up of 18 Gauge GI sheet to accommodate meter board with peep through glass for meter reading, locking and meter card pocket arrangements etc. complete	2	Set	2280.00	<b>4,560.00</b>
230	Supply and fixing weather proof meter box of size 70x59x30 CM (approx.) with hinged doors made up of 18 Gauge GI sheet to accommodate meter board with peep through glass for meter reading, locking and meter card pocket arrangements etc. complete.	2	Set	2800.00	<b>5,600.00</b>
240	Supply and fixing of 2 Nos. of TW plank of size 350X210X16 mm with suitable angle iron frame work on wall to accommodate energy meter, cutout and SPN main switch as per EB std. code of practice. Meter box, meter, metal clad switches to be earthed by GI wire, including supply and fixing 1 No. of 32 amps rewirable fuse unit	3	Set	2520.00	<b>7,560.00</b>
250	Supply and fixing of 2 Nos. of 18 GI M.S sheet of size 500 x 590 mm with suitable angle iron frame work on wall to accommodate energy meter, cut - out and TPN main switch including supply and fixing of 3 Nos. of 63 amps rewirable fuse unit. Metal clad switches, meter box and meter should be earthed by No.14 SWG GI wire.	1	Set	4320.00	<b>4,320.00</b>
260	Supply and fixing Gem/Havells/Standard 32A metal clad double pole switch fuse on the existing TW plank/MS sheet. Switch should be earthed by No. 14 SWG GI wire	10	EA	664.00	<b>6,640.00</b>
270	Supply and fixing 63 A metal clad TPN switch fuse of Gem / Havells / Standard on GI sheet / Panel Board / wall with suitable arrangement. Switch should be earthed by No.14 SWG GI wire	5	EA	2320.00	<b>11,600.00</b>
280	Supply and fixing 32 A metal clad TPN switch fuse of Gem / Havells / Standard on GI sheet / Panel / Wall with suitable arrangements. Switch should be earthed by No. 14 SWG GI wire..	2	EA	1600.00	<b>3,200.00</b>

CONTRACTOR

6

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**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

**BHE: P: C: T: 09:**

**Dt. 05 04 2019**

<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
290	Supply and fixing of 1 No. 15/16/20 amps 6way SPN metal clad distribution board (GEM / Havells) with 1 No. 32 amps' metal clad double pole switch fuse (GEM / Havells) on a suitable angle iron frame work on wall. Metal clad DB and switches should be earthed by No. 14 SWG GI wire.	2	Set	1000.00	<b>2,000.00</b>
300	Supply and fixing 1 x 40 watts HPF fluorescent street light fitting (Genelec / Crompton / Bajaj ) on 1" GI bracket of suitable length with 2 Nos. of M.S clamps on wall with inter connections	5	Set	1664.00	<b>8,320.00</b>
310	Supply and erection of earth electrode using 40 mm dia G.I pipe of 2.5 metre length with 50 x 6 mm GI brackets, necessary earthwork excavation of required dimensions, providing alternate layers of salt and charcoal, through bolt, suitable GI funnel with perforated cover for filter on the top of GI pipe, masonry chamber, RCC cover, all in general conforming to IS 3043	5	EA	2640.00	<b>13,200.00</b>
320	Supply and laying of No. 8 SWG GI wire for earthing	100	M	8.00	<b>800.00</b>
330	End termination of overhead service and overhead line and necessary connection in the energy meter as well as aerial fuse / directly to the bare conductor	1	Set	144.00	<b>144.00</b>
340	Supply and fixing HPSV 70 watts (Genelec / Philips / Crompton) integral single piece cast aluminium body street light fitting with 70 watts HPSV lamp without built-in igniter on a suitable length 1¼" GI pipe bracket on wall / pole with 2 sets of MS clamps and necessary connections.	1	Set	1920.00	<b>1,920.00</b>
350	Supply and fixing wall mounting industrial type switch board on suitable angle iron frame work mounted on wall/ground including supply and fixing of 100 amps TPN aluminium busbar of suitable length including supply and fixing the following switches. Identification of all inlets and outlets, location, details etc. by painting 1)125Amps L& T/Standard/Havells TPN metal clad HRC type switch fuses as incomer with suitable adopter box. 2)3 Nos. of 63 Amps L&T / Standard / Havells TPN metal clad HRC type switch fuse with suitable adopter box for each fuse. All the switches are to be earthed with No.8 SWG GI wire.	4	Set	17440.00	<b>69,760.00</b>

CONTRACTOR

7

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**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

**BHE: P: C: T: 09:**

**Dt. 05 04 2019**

<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
360	Supply and fixing 125 A metal clad TPN switch fuse of L&T / HPL / Standard on the existing switch board with HRC fuses and adopter box on a suitable angle iron frame work on wall with No. 8 SWG GI wire for earth. Rate excludes cost of switch board.	5	Set	2240.00	<b>11,200.00</b>
370	Labour charges for removing and refixing of the lighting fixtures such as tube light fitting, MV / SV lamp fitting etc.	200	EA	120.00	<b>24,000.00</b>
380	Supply and fixing 200 x 200 x 150 mm painted weather proof MS box with hinged door and locking arrangements on tubular street light pole including supply and fixing 1 No. 16 Amps 4-way porcelain / bakelite connector and 1 No. 16Amps porcelain fuse unit inside the box. Box should be fixed with suitable MS clamps and bolts and nuts.	2	Set	800.00	<b>1,600.00</b>
390	Supply and fixing of 2 x 40 W decorative type fluorescent lamp fitting with 2 Nos. 40W fluorescent lamp PHILIPS make type TBS/ 305 /236 with necessary down rods of length 0.6 to 0.8 metre with ball and socket arrangement with bolts and nuts, grouting on ceiling etc. complete. No.14 SWG GI wire for earth should be provided.	2	Set	1920.00	<b>3,840.00</b>
400	Supply and fixing of downrod with ball and socket for fluorescent tube light fitting for a length of 70/75 cm	5	Set	440.00	<b>2,200.00</b>
410	Labour charges for removing and refixing 63/100/125 A TPN switch / change over switch from the existing panel. Removed materials to be returned to stores. Switches will be supplied by BHEL at Stores at free of cost	10	EA	1200.00	<b>12,000.00</b>
420	Supply and fixing of 15" dia. heavy duty exhaust fan 1400 rpm (Make : Almonard / Polar / Khaitan) on wall with suitable fixtures including necessary opening at wall.	1	EA	3200.00	<b>3,200.00</b>
430	Supply and fixing of 32 Amps SPN MCB industrial type plug and socket with 16/32 Amps MCB control on MS box for A/C provision	5	EA	640.00	<b>3,200.00</b>
440	Supply and fixing of Anchor hook type bolt on ceiling and labour charges for fixing ceiling fan. Fan will be supplied by BHEL stores at free of cost	100	EA	96.00	<b>9,600.00</b>
450	Supply and making straight through cable joint kit of the following size, LT UG cable with supply of epoxy type M - Seal joint kit and ferrules etc. 3.5 core 35/50 Sqmm Armoured Alu. Cable	10	EA	2320.00	<b>23,200.00</b>

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CONTRACTOR

**8**

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**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

**BHE: P: C: T: 09:**

**Dt. 05 04 2019**

<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
460	Removal of the existing O.H service line connection complete set with EB coordination and return to stores in rolled condition	0	Set	120.00	<b>0</b>
470	Labour charges for removing the Halogen lamp fitting, repairing/rectifying the fault, replacing the faulty lamp if necessary and refixing the same in proper position at an approx. height of 11 metre tubular pole.	0	EA	280.00	<b>0</b>
480	Supply and stringing of four wire three phase OH service line with 4 sqmm PVC insulated stranded copper conductor cable using 4 Nos. of porcelain reel insulator at 0.5 metre intervals bound with No.16 SWG copper wire with continuous run of No.12 SWG G.I wire in the existing G.I/PVC pipes. Rate also includes providing PVC sleeve in the existing GI pipe mouth, end termination of OH service line and necessary connection in the energy meter etc. No.12 SWG G.I wire should be connected in EB earth and in meter board without any joint. Restoration of power supply with EB coordination will be the responsibility of the contractor	300	M	192.00	<b>57,600.00</b>
490	Supply and fixing 25 mm dia GI pipe of class A with necessary bend, MS clamps including painting. Service pipe should be rigid with stay wire/clamps	50	M	280.00	<b>14,000.00</b>
500	Supply and fixing of 2 Nos. of TW plank of size 480x240x16mm with suitable angle iron frame work on wall for 3 phase EB service connection, including supply and fixing 3 Nos. of 32 amps rewirable fuse unit and 1 No. of 415V, 32A MCTPN (GEM/ANCHORHAVELLS) switch.	5	Set	1960.00	<b>9,800.00</b>
510	Supply and wiring with four runs of 4 sqmm PVC multistrand copper cable in the existing GI / PVC pipe	10	M	160.00	<b>1,600.00</b>
520	Supply and fixing of 3 Nos. 32A porcelain fuse unit fixed on suitable wooden plank for aerial fuse.	0	Set	480.00	<b>0</b>
530	Supply and fixing of the following on a 3mm thick hylam sheet covered hinged TW box of size 12" X 10" 6 way SPN MCB DB Box (Havells / Indo Asian) - <b>1 No.</b> 40A DP MCB Isolator (Havells / Indo Asian) - <b>1 No.</b> Single Pole MCB 20 A (Havells / Indo Asian) - <b>4 Nos</b>	5	Set	2400.00	<b>12,000.00</b>

CONTRACTOR

**9**

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**BHE: P: C: T: 09:**

**Dt. 05 04 2019**

<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
540	Supply and fixing of 50x50x6 mm MS angle of length 450mm on wall for EB Service Line	0	EA	184.00	<b>0</b>
550	Removal of existing service line, pipe, frame, board, fuse unit, main switch complete set and return to Civil Stores and making good with cement plastering and white/colour washing touch up etc. complete	0	Set	80.00	<b>0</b>
560	Supply and laying of No. 12 SWG GI wire for earthing	402	M	8.00	<b>3,216.00</b>
570	Supply and fixing of 1 x 36 W Crompton Greaves / Philips make decorative surface mounting fitting mirror optics luminaire with anodized aluminium cross louvers and decorative white engineering plastic end cover with fluorescent lamp	5	Set	1440.00	<b>7,200.00</b>
580	Supply and fixing of box type 4 ft, 36 W FTL fitting with 1No. 4ft, 36W tube. [Bajaj,Crompton,Philips].	200	Set	520.00	<b>1,04,000.00</b>
590	Supply and fixing cluster type two step decorative chandelier type fitting with 15 Nos. 40 W bulb	1	Set	3120.00	<b>3,120.00</b>
600	Supply and fixing of mirror fittings Crompton / Philips make fitting white colour with a 14 W CFL bulb	5	Set	680.00	<b>3,400.00</b>
610	Supply and fixing of mini surface mounting fitting-Type TLE 211 Crompton Greaves make with 2 Nos. 11 W CFL Lamp.	10	Set	780.00	<b>7,800.00</b>
620	Supply and fixing of MS fan down rod pipe of 20mm dia 2mm thick with 1 metre length	14	EA	120.00	<b>1,680.00</b>
630	Supply and wiring with 1.5 Sqmm PVC insulated multi stranded copper conductor cable in rigid PVC pipe with ceiling rose / holder for light/fan point with 1 No. 6A Leon/ Lisha modular type switch fixed on Leon /Usha metal box and top front plate etc. complete.	5	PO	640.00	<b>3,200.00</b>
640	Supply and fixing 1 No 5/6 Amps 5 pin socket with 1 No. 5/6 Amps switch all modular type with suitable metal box front plate inter connection etc. complete.	10	EA	144.00	<b>1,440.00</b>
650	Supply and fixing 1 No 15/16/20 Amps 6 pin socket and 1 No. 15/16/20 Amps switch modular type with metal box, front plate inter connection etc. complete.	6	EA	200.00	<b>1,200.00</b>

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**10**

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<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
660	Supply and fixing of Fan Step Regulator modular type with suitable metal box, front plate, inter connection etc.	15	EA	264.00	<b>3,960.00</b>
670	Supply and fixing of 1 No modular type bell push switch for annunciator with suitable metal box, front plate inter connection etc. complete.	10	EA	356.40	<b>3,564.00</b>
680	Supply and wiring with three runs of 2.5 Sqmm PVC insulated multi strand copper conductor cable in 18 /20 / 25mm dia 1.8 to 2mm thick PVC conduit pipe in concealed. ( Brand : Kundan / Finolex ).	400	M	100.00	<b>40,000.00</b>
690	Supply and wiring with three runs of 1.5 Sqmm PVC insulated multi strand copper conductor cable in 18/20/25mm dia 1.8 to 2mm thick PVC conduit pipe in concealed. ( Brand : Kundan / Finolex ).	280	M	72.00	<b>20,160.00</b>
700	Dismantling the plastering and brick work for concealing of pipes and switch boxes for required sizes and making good to match with the same with filling/plastering in cement mortar 1:5 after fixing the pipes, switch boxes etc. Rate includes cost of cement.	100	M	40.00	<b>4,000.00</b>
710	Supply and fixing Philips decorative CFL luminaire (Type FL 800/320) for wall mounting with polycarbonate rings, thermoset plastic lamp holder, including supply of 1x20Watts Ecotone / Ambience Décor Lamp	5	Set	640.00	<b>3,200.00</b>
720	Supply and fixing Crompton Greaves Paralite louvere of model CRFQ 11336/P5 with 3x36W CFL decorative recessed mirror optic luminaire comprising bright anodized aluminium reflector and P5 paralite louvers	2	Set	2000.00	<b>4,000.00</b>
730	Supply and fixing Crompton Greaves AKTIV-TAK 36XB fitting with 1x36W CFL and CRCA stripe type luminaire in epoxy powder coated finish and decorative click fit Engineering plastic end caps	1	Set	1600.00	<b>1,600.00</b>
740	Supply and fixing of Crompton Greaves lightline luminaire of model T5LK 1114 with 1x14 W T5 ultra slim T5 luminaire, decorative serrated acrylic diffuser prewired with electronic ballast etc.	5	Set	1920.00	<b>9,600.00</b>
750	Supply and fixing of Crompton make DDLV11 /15W/10BC lamp fitting in the false ceiling including supply of 1 No.15W. CFL.	2	Set	800.00	<b>1,600.00</b>

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11

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**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14****BHE: P: C: T: 09:****Dt. 05 04 2019**

<b>Sl. No</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (Rs. P)</b>	<b>Amount (Rs. P)</b>
760	Supply and fixing Crompton Greaves DDLH 213 /eb/N6 recessed mounted downlight with bright anodized aluminium reflector and integral control gear including supply of 2x13W CFL Lamps with electronic ballast for each lamps with all accessories.	0	Set	1080.00	<b>0</b>
770	Supply and fixing TPN 8 WAY MCB distribution board with double door sheet steel enclosure with detachable gland plates for flush/ surface mounting with busbars, neutral links, din channel and earth bar but without MCBs on a suitable MS flat framework including cable end box etc. complete for flush mounting on wall with suitable M.S. painted adopted box both ends and including supply and fixing of following MCB switches. (Havells/Indo Asian /MDS/L&T/Hager) a) One No. of 125Amps 4 pole MCB isolator as incomer b) 12 Nos. of 32 Amps single pole-Type C-MCB c) 12 Nos. of 16Amps single pole-Type C-MCB	4	Set	14800.00	<b>59,200.00</b>
780	Supply and fixing 200 A metal clad TPN switch gear of L&T / HPL / Standard on the existing switch board with HRC fuses and adopter box on a suitable angle iron frame work on wall with No.8 SWG GI wire for earth.	4	Sets	12400.00	<b>49,600.00</b>
790	Supply and fixing 250 A metal clad TPN switch gear of L&T / HPL / Standard on the existing switch board with HRC fuses and adopter box on a suitable angle iron frame work on wall with No.8 SWG GI wire for earth.	5	Sets	13600.00	<b>68,000.00</b>
<b>Total</b>					<b>24,43,744.00</b>

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12

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