

BHEL::HYDERABAD					
M&S-(P&C) DEPARTMENT					
TENDER REF.M&S/P&C/2019/95A DT.19.03.2020					
<b>NAME OF THE WORK: " MAINTENANCE OF FACTORY ROAD LIGHTING and BAY LIGHTING"</b>					
<b>PRICE BID</b>					
S.NO	DESCRIPTION OF ITEM	QTY	unit	Unit Rate	AMOUNT
	<b>ROAD LIGHTING</b>				<b>Rs. Ps.</b>
1	Replacement of MCBs of all capacities	120	each	31.83	3819.60
2	Checking of the healthiness of the various Road lighting circuits in the factory	200	each	198.80	39760.00
3	replacement of 2.5sqmm AL/cu cable	75	Meter	23.85	1788.75
4	Dismantling,Transporting of old light fittings including brackets and clamps to the maintenance workshop of 15/83 bldg for rectification/reconditioning.	200	each	51.70	10340.00
5	Fixing of new/reconditioned street/yard light fittings of any type on any of the poles as directed with brackets and clamps.	200	each	43.75	8750.00
6	Excavation of cable trenches of size 0.5 M width and 0.5 M depth. in all soils except hard soil/road cutting	750	Meter	51.70	38775.00
7	Refilling of excavated trench with excavated solid ramming wit and levelling etc.,	750	Meter	10.33	7747.50
8	excavation of hard soil, Rock 0.5m x 0.5m	150	Meter	127.30	19095.00
9	Refilling of cut road/floor with excavated materials and wait for settling of the soil for one week.The same area shall be covered with suitable metal of size 50/25/10mm and cement/bituminous compound for free movement of vehicles.	150	Meter	23.85	3577.50
10	Supply and spreading of sand 50mm thick all round the cable and laying of bricks around the cables ie., two sides and laying of 1ft X 1ft shabad stones on top over the cable.	750	Meter	127.27	95452.50
11	Supply and Laying of 6" dia RCC pipes including coller pipes in Road/Floor cutting	150	Meter	206.32	30948.00
12 (a)	Laying of 16/25/35/50 Sq.mm 3/4 core PVC insulated sheathed steel armoured Al/Cu conductor cable and fixing of cable markers on the cable route. (Cable&Cable markers will be on BHEL's free issue).	1000	meter	10.34	10340.00
(b)	Execution of end joints for item 3(a)	50	each	23.85	1192.50
(c)	Execution of straight through joints for item 3(a)	15	each	127.27	1909.05
13	Earth excavation (for poles/stays/struts) for pits of size 0.6x0.9x1.5 mtrs in all soils.	10	each	206.83	2068.30
14	Bending and fixing of GI pipe brackets for extending the length of exisitng street light brackets/New fittings. (GI pipe BHEL's free issue)	30	each	47.71	1431.30
15	Fixing of new PD box with Clamps, nuts, bolts and necessary accessories. (PD box will be BHEL's free issue)	40	each	63.63	2545.20
16	Cleaning of existing PD boxes with wire brush and supply & painting of one coat of Redoxide and two coats of SE paint for complete PD box including clamps.	140	each	87.49	12248.60
17	Replacement of accessories in PD box, such as fuse unit,connector strip (fuse unit and connector strip , and crimping lugs are in the contractor scope )	425	each	23.86	10140.50
18	Repair/Replacement of main contactors like ML2 to ML8 of L&T make.	15	each	87.50	1312.50
19	Repair/Replacement of 15/30/60/100 ICTP switches.	25	each	87.50	2187.50
20	Periodical checking and repair of the internal wiring of Security Watch towers.	10	each	954.56	9545.60
21	Periodical checking and repair of the internal wiring of HS towers Includes repair of the internal wiring, ropes, Winch & Motor operation, contactors, timers, MCBs of High towers	4	each	1431.80	5727.20
22	Periodical checking and repair of the internal wiring of High mast Includes repair of the internal wiring, ropes, Winch & Motor operation, contactors, timers, MCBs of High Mast	2	each	1789.79	3579.58
23	Arrangement of temporary flood lighting for Emergencies/VVIP's Visit/Special requirement. This includes shifting of material,laying of Cables, fixing of flood lights and switches. After completion of work these are to be dismantelled and shifting to stores.	10	each	270.70	2707.00
24	Supply and erection of 8 Mtrs length Prestressed Cement Concrete Poles as per IS:1343 and IS:1678-1978. The poles shall withstand the working load of 200 Kgs acting at 0.6 Mtr from top of the poles. Poles with hairline cracks will be rejected. The poles shall have good finishing and strength.	10	each	3022.76	30227.60

25	Fabricating and fixing of MS clamps of 20x3mm, 25x6mm sizes as per requirement. Clamps shall be painted with 1 coat of Redoxide and two coats of aluminium paint. (Including necessary bolts, nuts and washers etc.,)	60	each	95.46	5727.60
26	Poles colouring with white snowcem paint (Snowcem paint is in the scope of contractor)	140	each	87.49	12248.60
27	Painting of serial numbers on RCC poles with black background and lettering with white enamel paint.	140	each	47.71	6679.40
<b>SubTotal for Road Lighting</b>					<b>381871.88</b>
<b>BAY LIGHTING</b>					
1	Replacement and changing of LED Roof Light - Dismantling the existing fitting and erection of the new LED fitting. Shifting of Bay light from the store also covered in this item	100	each	296.00	29600.00
2	Checking and replacement of spare parts of MV/SV/MH 240 Volts 400W/250W/125W fittings				
a)	Lamps	100	each	35.50	3550.00
b)	Ballast/Choke	50	each	39.25	1962.50
c)	Ignitors	50	each	35.50	1775.00
d)	Capacitors	50	each	31.50	1575.00
e)	Lamp Holders & any other issues for functioning of complete set like wiring inside the fittings etc	30	each	59.00	1770.00
f)	Replacement of fitting assembly in place of defective one	10	each	296.00	2960.00
3	Cleaning of reflectors with kerosene or thinner and replacement of wingnut, screw if necessary	1000	each	7.75	7750.00
4	Laying of single core 6 sq mm aluminium conductor PVC insulated & sheathed cable in place of damaged wire in open wiring - cable will be supplied by BHEL	1000	meter	7.25	7250.00
5	Replacement of 2/4/6/15 Amps MCBS/MMCBs 250 Volts in place of defected MCBS	100	each	79.00	7900.00
6	Replacement of combination boxes - fuse switches on ML rods of 100 Amps or 63 Amps	20	each	1262.25	25245.00
7	Repair and replacement of existing tubelight fittings of twin/single 28W, 4'36W, 4"40 W 5" in the office with BHEL given Lamps, chokes, starters, holders etc				
a)	Replacement of TubeLight Lamps	100	each	33.25	3325.00
b)	Replacement of Tubelight Chokes	50	each	38.00	1900.00
c)	Replacement of Tubelight starter and reflector	50	each	35.50	1775.00
d)	replacement of tubelight holders and wiring	50	each	37.21	1860.50
e)	Replacement of complete tubelight fittings	50	each	226.37	11318.50
8	Repair and replacement of fuse holders	50	each	59.16	2958.00
9	Replacement of MCB distribution board	15	each	2366.33	35494.95
10	Laying & termination of Al armoured cables in shops of 25/35 sqmm	200	meter	34.70	6940.00
11	Checking of wiring circuits	100	each	138.03	13803.00
12	Earthing points rectification but not earth pits	25	each	78.87	1971.75
<b>Sub total</b>					<b>172684.20</b>
<b>Total Amount in Rupees</b>					<b>554556.08</b>
<b>GST :Extra as applicable</b>					
<b>Note:- Vendors needs to quote their tender value on percentage (%) basis at any one of (a) excess or (b) less or (c) on par with total estimated value.</b>					
	Tender %		in Figures		In Words
	Excess				
	Less				
	Estimate Rate only				