

TENDER DOCUMENT (PRICE BID)		
Name of work	:	Maintenance of Street Lights in Kailasapuram Township, Nehru nagar, Reservoir, Vengur and Puthapuram etc.,
Tender Schedule No	:	CT:TS:040/19-20
Estimate / Tender Value	:	Rs.7,66,096(Excluding GST)
EMD	:	Rs.15400
Period of Contract	:	15 (Fifteen) Months

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.

SCHEDULE 'A'**LIST OF WORKS AND PRICES**

NAME OF WORK: Maintenance of Street Lights in Kailasapuram Township, Nehru nagar, Reservoir, Vengur and Puthapuram etc.,

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: 040/ 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 5**

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, Tiruchirapalli- 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. 15400** 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 5.**

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 Page No. 3 to 5.	
		In Figures	In Words
1.	Rs.7,66,096 =(100%) (Excluding GST)		

CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**BHE: P: C: T: 09:****Dt. 10 02 2020**

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

BILL OF QUANTITIES**Name of work: Maintenance of Street Lights in Kailasapuram Township, Nehru nagar, Reservoir, Vengur and Puthapuram etc.,**

Sl.No	Description of work	Qty	Unit	Rate (Rs)	Amount (Rs)
1	Identifying all kinds of Street light fitting faults like CFL / Tube Light/SV/ Halogen / MV/ T5/ Metal Halide /PV Solar Street Light on posts such as wire cuts, aerial fuse, loose contacts in components of light fittings connection in connectors, starters, condensers, Solar battery and attending / rectifying the faults in posts itself.	3000	EA	33.38	100140
2	Removing all kinds of Street light fitting from the post and replacing the faulty components like chokes, ignitor, condensers, starter bases, holders, internal wiring of the fittings. In case of solar PV street light battery, pcb, luminaire and panel also. Materials will be supplied by BHEL at stores at free of cost. Fitting is to be refixed in the post after testing.	1500	EA	50.05	75075
3	Fixing all kinds of Street light fittings such as CFL, Tube Light, SV, MV, Metal Halide, Halogen, T5, LED, PV Solar Street Light etc. on the post with reconditioned or new street light fitting and making it good with the clamps and brackets. (All materials will be supplied by BHEL at stores at free of cost).	1500	EA	68.27	102405
4	Removal of the faulty / damaged tube light SV / MV / CFL / Halogen / T5 / PV solar Street Light complete set with brackets, clamps, fuse carriers etc. and return to Township stores.	1500	EA	15.17	22755
5	Erection of tubular pole (Dept. made MS pole) height approx. 7.5 mtr including transporting from BHEL stores to the erection site and excavating 0.90 x 0.60 x1.20M size pit and refilling with the excavated soil but without concrete for temporary street light provision.	30	EA	182.03	5460.9
6	Labour charges for removing the burnt / old ICDP / ICTP / MCTP switches, contactors, fuse carriers, time switch and photo cell, switch control box accessories and burnt out wiring from control panel and fixing with the new one with all accessories which will be supplied by BHEL at stores at free of cost.	40	SET	36.4	1456

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SI.No	Description of work	Qty	Unit	Rate (Rs)	Amount (Rs)
7	Labour charges for removal of tubular pole from various erected sites and return to Township Stores	20	EA	144.11	2882.2
8	Supply and fixing of 1" dia. GI pipe bracket with 2 sets of MS clamp to suit RCC / RSJ / Tubular pole for 1x4 feet or 2x4 feet fluorescent street light fitting. Rate includes fixing of street light fitting. (Fitting will be supplied by BHEL at stores at free of cost).	80	SET	242.7	19416
9	Supply and fixing of 1 1/4" dia. GI pipe bracket with 2 sets of MS clamp for 70W / 150W / 250W HPSV/ HPMV / Halogen / Metal Halide / T5 street light fitting. Rate includes fixing of street light fitting. (Fitting will be supplied by BHEL at stores at free of cost).	50	SET	83.43	4171.5
10	Removal of the existing OH service line connection complete set with EB coordination and return to stores with complete set in rolled condition.	50	SET	22.76	1138
11	Supply and stringing of two wire single phase 230 Volts, A.C supply OH / LT service line with 7/20 SWG PVC insulated PVC Sheathed stranded copper conductor cable using 2 No's of porcelain reel insulator at 0.5 meter 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.	2500	M	115.28	288200
12	Termination of O.H service on the O.H line and necessary connection in the energy meter.	250	SET	15.17	3792.5
13	Providing painting two coats with aluminium paint to the existing tubular M.S pole of approx. height 7-11m with proper scraping of existing paint etc. complete. Rate includes cost of paint, labour etc.	80	EA	230.58	18446.4
14	Providing and laying in position plain cement concrete of specified grade including consolidation, curing etc. complete, all as per standard specifications. All works up to plinth level. Rate excludes cost of centering and shuttering. 1:5:10 with graded stone aggregate 40mm nominal size. Only cement will be issued by BHEL at stores, free of cost.	20	M3	227.55	4551

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Sl.No	Description of work	Qty	Unit	Rate (Rs)	Amount (Rs)
15	Labour charges for laying single run of 2/3/4 core 6-35 sq. mm AA / A Cu UG cable 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	1500	M	65.23	97845
16	Making end termination to 2/3/4 core 6-35 sqmm AA / A Cu UG cable with suitable cable gland and aluminium/copper lugs. Gland should be earthed by No.14 SWG GI wire with suitable clamps.	120	EA	60.68	7281.6
17	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 4way porcelain / bakelite connector and 1 No. 16 Amps porcelain fuse unit inside the box. Box should be fixed with suitable MS clamps, bolts and nuts and earthed with No.14 SWG GI wire.	50	SET	75.85	3792.5
18	Trimming of protruding branches interfering in HT / LT line in any part of Quarters and Public Buildings and service connections etc. all as per instructions of Engineer-in-charge in coconut tree	100	EA	12.12	1212
19	Trimming of protruding branches interfering in HT / LT line in any part of Quarters and Public Buildings and service connections etc. all as per instructions of Engineer-in-charge in trees other than coconut trees.	300	EA	7.61	2283
20	Highmast Lighting system consists of 2 x 400 watts - 12 no of HPSV non-integral / integral flood light fitting fixed on the top of the 20 meter height tower. It has moving carriage facility to bring down all the fittings through steel wire connected winch. The highmast lighting system is required periodical (2-Times in year) maintenance as per the schedule mentioned under for the highmast Light located opposite of CC. The contractor should check all the items and confirm the reliability and ensure to work in good condition.	2	NO	1895.88	3791.76
GRAND TOTAL = 766095.4					

Rupees Seven Lakhs sixty six Thousand Ninety Six only**CONTRACTOR****5****ACCEPTING OFFICER**