



::OFFICE OF THE REGISTRAR :: RABINDRANATH TAGORE UNIVERSITY:: HOJAI:: ASSAM::

Ref. No.RTU/Quotation/3426

Date: 07-06-2024

NOTICE INVITING TENDER

The Registrar i/c, Rabindranath Tagore University, Hojai invites sealed Tender in plain paper affixing non refundable court fee stamp of Rs. 8.25 to be drawn in printed "F-2" form are invited from the Registered contractor of PWD Building for the following work and will be received in the office of the undersigned up to 2:00 P.M. on 14/06/2024 & will be opened on the same place, date and hour. Interested bidder may remain present at the time of opening. If the office remain close due to any unforeseen reason on that day, the tender will be received and opened on the next working day up to 2:00 P.M.

The details of the work may be seen in the office of the undersigned on any working days. The terms and conditions of "F-2" form are binding.

The bidders are to produce a copy of upto date registration certificate, sale tax and /or income tax clearance, without which the tenders will be rejected. The undersigned reserves the right to accept or reject any or all tenders without assigned any reason thereof. The contractors are requested to inspect the site before submission of tender.

Sl. No	Name of work	Estimated Amount	E/Money
1	A. Electrical Distribution system of Rabindranath Tagore University, existing campus, Hojai (Cable laying & panel board) and construction of RCC structure 3.6 mt x 3.00 mt.	Rs. 18,48,665.00	1% for SC/ST/OBC or 2% for General
	B. Electrical Distribution system of Rabindranath Tagore University, existing campus, Hojai (Internal three phase distribution of all the building).	Rs. 8,72,421.00	

Rates: On flat % basis above/below/as per the C.P.W.D schedule of rates for 2022 and annexure analysis of rate shown in the estimate enclosed herewith.

- Note: 1. Signature with full name, address, etc. should be written clearly in the tender paper
2. Tender should be submitted in sealed cover where the name of work must be written clearly
 3. Copy of PAN card & upto date GST clearance certificate must be enclosed
 4. Any overwriting and correction should be avoided.
 5. No tender will be accepted more than 10% (Ten percent) below.
 6. Any legal dispute is subject to the Jurisdiction of Hojai District only.
 7. Evidence of credentials, experience & previous work order(If any) of the bidder must be Submitted
 8. Lowest bidding is not only the criteria of selection of bidder.
 9. The bidder must deposit earnest money in favour of Registrar, Rabindranath Tagore

University payable at SBI, Hojai

Time of completion : 20 days from the date of work order.

Sd/-

Registrar i/c

Rabindranath Tagore University, Hojai

Memo No. RTU/Quotation/3426 (A)

Date: 07-06-2024

Copy to :

- 1) P. S. to Hon'ble Vice-Chancellor, RTU.
- 2) All members of Construction Committee, RTU
- 3) RTU Website



Registrar i/c

Rabindranath Tagore University, Hojai

Name of work – Estimate for Electrical Distribution system of Rabindranath Tagore University existing campus. Cable Laying and Panel board. Estimate-1(A)						
1	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
	7.1.1	Up to 35 sq. mm	100m	387.00	Meter	38700.00
	7.1.2	Above 35 sq. mm and up to 95 sq. mm	30m	405.00	Meter	12150.00
	7.1.3	Above 95 sq. mm and up to 185 sq. mm	50m	422.00	Meter	21100.00
2	7.2	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
	7.2.1	Up to 35 sq. mm	100m	269.00	Meter	26900.00
	7.2.2	Above 35 sq. mm and up to 95 sq. mm	30m	286.00	Meter	8580.00
	7.2.3	Above 95 sq. mm and up to 185 sq. mm	60m	304.00	Meter	18240.00
	7.2.4	Above 185 sq. mm and up to 400 sq. mm	10m	356.00	Meter	3560.00
3	7.4	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.				
	7.4.1	Up to 35 sq. mm	100m	126.00	Meter	12600.00
	7.4.2	Above 35 sq. mm and up to 95 sq. mm	30m	143.00	Meter	4290.00
	7.4.3	Above 95 sq. mm and up to 185 sq. mm	50m	161.00	Meter	8050.00
4	7.5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
	7.5.1	Up to 35 sq. mm	20m	37.00	Meter	740.00
	7.5.2	Above 35 sq. mm and up to 95 sq. mm	20m	57.00	Meter	1140.00
	7.5.3	Above 95 sq. mm and up to 185 sq. mm	20m	77.00	Meter	1540.00
	7.5.4	Above 185 sq. mm and up to 400 sq. mm	10m	134.00	Meter	1340.00
5	7.7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
	7.7.1	Up to 35 sq. mm (clamped with 1mm thick saddle)	30m	55.00	Meter	1650.00
	7.7.2	Above 35 sq. mm and up to 95 sq. mm (clamped with 25x3mm MS flat clamp)	30m	130.00	Meter	3900.00
	7.7.3	Above 95 sq. mm and up to 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	10m	153.00	Meter	1530.00

6	7.8	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
	7.8.1	Up to 35 sq. mm (clamped with 1mm thick saddle)	50m	45.00	Meter	2250.00
	7.8.2	Above 35 sq. mm and up to 95 sq. mm (clamped with 25x3mm MS flat clamp)	20m	92.00	Meter	1840.00
	7.8.3	Above 95 sq. mm and up to 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	10	115.00	Meter	1150.00
7	7.10	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	25	508.00	each	12700.00
8	4.7	Supplying and installing following size of perforated Hot Dipped Galvanized Iron cable tray "bends" (galvanization not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
	4.7.2	150 mm width X 50 mm depth X 1.6 mm thickness	10m	1270.00	Each	12700.00
9	4.8	Supplying and installing following size of perforated Hot Dipped Galvanized Iron cable tray "Tee" (galvanization not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
	4.8.2	150 mm width X 50 mm depth X 1.6 mm thickness	3	1383.00	Each	4149.00
10	4.9	Supplying and installing following size of perforated Hot Dipped Galvanized Iron cable tray "Cross member" (galvanization not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
	4.9.2	150 mm width X 50 mm depth X 1.6 mm thickness	4	1383.00	Each	5532.00
11	4.10	Supplying and installing following size of perforated Hot Dipped Galvanized Iron cable tray "Reducer" (galvanization not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
	4.10.2	150 mm width X 50 mm depth X 1.6 mm thick	4	1921.00	Each	7684.00
12	4.6	Supplying and installing following size of perforated Hot Dipped Galvanized Iron cable tray (galvanization thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as				

		required.				
	4.6.2	150 mm width X 50 mm depth X 1.6 mm thickness	10	716.00	Each	7160.00
13	9.1	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor cable of 1.1 KV grade as required.				
	9.1.25	3½ X 120 sq. mm (45mm)	4	613.00	Each	2452.00
	9.1.32	4 X 10 sq. mm (25mm)	18	269.00	Each	4842.00
	9.1.34	4 X 25 sq. mm (28mm)	10	315.00	Each	3150.00
	9.1.36	4 X 50 sq. mm (32mm)	4	418.00	Each	1672.00
14	14.2	Excavation for cable trenches of depth up to 1.2 m in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 meters.	75	333.00	cum	24975.00
15	14.3	Filling available excavated earth (excluding rock) in trenches, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 meters.	75	212.00	cum	15900.00
16	14.15	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.				
	14.15.5	200 mm die (OD-200 mm & ID-175 mm nominal)	260m	498.00	meter	129480.00
17	2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required . (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
	2.5.1	4 way (4 + 12), Double door	14	7512.00	Each	105168.00
18	2.2	Providing and fixing following rating and breaking capacity and pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
	2.2.1	100 Amp, 16 KA, TPMCCB	14	3777.00	Each	52878.00
19	5.2	Earthing with G.I. earth pipe 4.5 meter long, 40 mm die including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	20	6855.00	Each	137100.00
20	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	200m	144.00	Meter	28800.00
21	A/1	Supplying of following size lope insulated and				

		pace sheathed aluminum conductor armored power cable 1.1 kv grade confirming to is7098 (part) 1988 with armored up to date etc as required.				
	1	50mm ² 4 core ug cable XLPE	160M	530.00	P/M	84800.00
	ii	25mm ² 4 core ug cable XLPE	200m	285.00	P/M	57000.00
	iii	120mm ² 3.5 core ug cable XLPE	200m	1062.00	P/M	212400.00
	iv	10mm ² 4 core ug cable XLPE	200m	157.00	P/M	31400.00
	V	300mm ² 3.5 core ug cable XLPE	20M	3676.00	P/M	73520.00
22	A/2	200Amp outdoor type floor mounted DTR control panel boardpanel 1.6 mm CRCA sheet made painted with Siemens gray powder coated paints, after pretreatment, through 9 tanks (cold processing)200amp aluminum bus bar 2set angle stand frame 50mmx50mm x6mm including internal wiring and labor charges.size1450mm(L)1500mm (H)x550mm (D) <u>INCOMING</u> I) 200 amp 4P 36 KA MCCB with thermal magnetic release (L& T) -2 no ii spread terminal above -2 set iii) 200amp 4 pole 36 ka change over switch- L&T 2 no	1 n0	121929.00	Each	121929.00
23	A/3	Supplying with fitting & fixing200amp floor mounted distribution indoor panel board 1.6 mm C.RCA sheet made; after pretreatment through 9 tank cold processing copper bus bar 2 set angle iron frame (40mmx40mmx6mm) internal wiring & labor charges etc size 1750 mm x(L)x1875mm(H)X450 MM(D) all switch gear L&T make. <u>Incoming:-</u> I)200 Amp4P 36KA MCCB with thermal magnetic release -1no. 1) Spreader terminal for above 1set. 2) Extended rotary handed-1no. 3) Auxillary contract – 1 no <u>Outgoing:-</u> 1)160 Amp4P 36 KA M.CCB with terminal magnetic release -1no. 2) spreader terminal for above -1 set 4) Spreader terminal for above -1 N0 5) Direct rotary handle -1no. 6) 6 3 Amp 4p, 18 KA M.CCB with thermal magnetic release – 8no. 4) Spreader terminal for above -8 N0 5) Direct rotary handle -8no. 7) 63 Amp T.PN 10 KA MCB (C.curb)- 3no. 3) <u>Metering:-</u> 1) Digital multifunction meter-1 no .5) 200/5 Amp class I accuracy ct-3 n0 6) Led indicator lamp(RYB) 7) 6A SP 10 KA M.CB-4no.	1 no	167584.00	Each	167584.00
24	A/4	Supplying with fitting & fixing 200amp floor mounted distribution indoor panel board 1.6 mm C.RCA sheet made; after pretreatment through 9 tank cold processing copper bus bar 2 set angle iron frame (40mmx40mmx6mm)				

		<p>internal wiring & labor charges etc size 1750 mm x(L)x1875mm(H)X450 MM(D) all switch gear L&T make.</p> <p>Incoming:- 1)200 Amp4P 36KA MCCB with thermal magnetic release -1no. 4) Spreader terminal for above 1set. 5) Extended rotary handed-1no. 6) Auxillary contract – 1 no</p> <p>Outgoing:- 1)160 Amp4P 36 KA M.CCB with terminal magnetic release -1no. 2) spreader terminal for above -1 set 3) Direct rotary handle -1no. 4) 100 Amp 4p, 18 KA M.CCB with thermal magnetic release – 2no. 7) Spreader terminal for above -2 N0 8) Direct rotary handle -2no. 9) 63 Amp 18 ka MCCB -8no. 10) Spreader terminal for above -8 N0 11) Direct rotary handle -8no.</p> <p>3) Metering:- 1) Digital multifunction meter-1 no .ii) 200/5 Amp class I accuracy ct-3 iii) Led indicator lamp(RYB) 7) 6A SP 10 KA M.CB-4no.</p>	1 no	181982.00	Each	181982.00
25		Construction of room RCC structure – 3.6mx3.00m= 10.80 sq m	10.80sqm	17640.00	sqm	190512.00
					Total Rs	1848665.00

Name of work – Estimate for Electrical Distribution system of Rabindranath Tagore University existing campus. Internal 3 phase Distribution all the Building . Estimate-(B)						
1	1.14	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required				
	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	600m	275.00	Metre	165000.00
	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	300m	334.00	Metre	100200.00
	1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	200m	439.00	Metre	87800.00
	1.14.9	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	200m	754.00	Metre	150800.00
	1.14.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	200m	1005.00	Metre	201000.00
2	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	2.4.1	4 way (4 + 12), Double door	18	4091.00	Each	73638.00
3	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.10.1	Single pole	216	256.00	Each	55296.00
	2.10.3	Double pole	20	656.00	Each	13120.00
	2.10.4	Triple pole	1	1007.00	Each	1007.00
	2.10.5	Triple pole and neutral	20	1228.00	Each	24560.00
					Total Rs.	872421.00

BID /QUOTATION FORM

1. Name of Bidder:
- 2.. Address of Bidder :
3. Registration
4. GST No:
5. PAN No:
6. Quoted Rate:

Sl. No	Name of work	Estimated value	% below/Above the estimated value
1.	A. Electrical Distribution system of Rabindranath Tagore University, existing campus, Hojai (Cable laying & panel board) and construction of RCC structure 3.6 mt x 3.00 mt.	Rs. 18,48,665/-	
	B. Electrical Distribution system of Rabindranath Tagore University, existing campus, Hojai (Internal three phase distribution of all the building).	Rs. 8,72,421/-	

Signature of Bidder

