



THIRUVANANTHAPURAM REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD
HEAD OFFICE, KSHEERA BHAVAN, PATTOM, THIRUVANANTHAPURAM - 695 004
Ph: 0471-3512555, 2447109

No. 647 B/TRU/PC/2022-23

03.08.2023

TENDER NOTICE

Sealed competitive tenders are invited from contractors/firms having sufficient previous experience for executing False ceiling and Electrification work at conference hall at Thiruvananthapuram Dairy with PAC of Rs. 4,50,000 . The tender should be submitted to the undersigned on or before 11/08/2023, 2.30PM.

Note:

Annexure I	: Tender Terms and Condition
Annexure II	: Bid form with price bid
Annexure III	: Technical Specification
Tender opening Date	: 11/08/2023, 3.00PM
Tender opening Place	: Head Office, TRCMPU Ltd

Managing Director
TRCMPU Ltd

5x/

ANNEXURE - I

Terms and Conditions

1. **Scope of Work:** Electrification work at conference hall in Thiruvananthapuram Dairy as per specification and direction.
2. **Tender Submission:** The offer should be submitted in sealed envelope with the quotation No. and due date super scribed on it. The offer should reach the office in the following address on or before 2.30 PM on the due date of submission and shall be opened on the same day at 3.00 PM. The rates must be quoted as per BOQ attached herewith.

“The Managing Director, TRCMPU Ltd, Milma, KsheeraBhavan, Pattom PO,
Thiruvananthapuram - 695004”

3. **Estimated Value:** Rs.4,50,000 (Rupees four lakh fifty thousand Only)
4. **Price Basis:** The unit rate is inclusive of cost of materials, transportation, labour charges, taxes, other incidental expenses etc and nothing will be paid extra on this account. The rates shall remain same from the date of commencement till the entire work is completed by you in all respect and no enhancement of rate will be entertained.
5. **Validity:** The offer should remain valid for acceptance for a period of 15 days from the date of opening.
6. **Guarantee:** You shall give guarantee for the performance of the work carried out for a period of 12 months from the date of commissioning. The entire expenditure towards replacement/repair in this regard shall be borne by you.
7. **Security Deposit:** 5% of total invoice amount shall be retained as security deposit which will be released only after the satisfactory completion of guarantee period.
8. **Period of Completion:** You should complete the entire work as per specification within 7 days from successful receipt of the work order.

9. **Payment:**

Payment shall be released by Head Office (TRCMPU Ltd) as follows:

- ❖ 95% of total amount will be released after the completion of entire work and deductions as per specification. The balance 5% of total amount shall be released after satisfactory completion of guarantee period.

10. **Billing Address:**

The Managing Director
TRCMPU Ltd, KsheeraBhavan
Pattom P.O, Trivandrum- 695 004
GST: 32AAAAT9795J1ZX

11. **Material Supply:** All materials to be supplied by the Contractor, if not as mentioned in the schedule.

12. GENERAL:

- Work will be carried out as per the Terms and conditions and Technical Specifications issued by TRCMPU Ltd.
- The bidder shall have to pay liquidated damages @ 0.5% (Half percentage) per day, for the delay in completion of the work subject to the maximum of 5 % of the order value.
- The TRCMPU shall not be liable for any damage or compensation, in consequence to any accident or injury to any workman or other persons employed by the contractor.
- The work has to be carried out without affecting the day to day operation of the office.
- Damage should not occur to the Electrical Installation, Pipe lines, Equipment, Machinery etc. while carrying out the work.

ANNEXURE - II**BID FORM**

No.

DATE.....

Name of Bidder :

Address :

Contact No :

Email-Id :

PRICE BID

Sl. No	Item Description	Qty	Units	Basic Rate	Total Amount
	Electrical Works				
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.1 x 1.5 sq.mm	82	metre		
2	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.3 X 1.5 sq.mm	150	metre		
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.2 x 2.5 sq.mm	80	metre		
4	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.3 x 4 sq.mm	40	metre		
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.2 x 4 sq.mm	100	metre		
6	Supply and fixing of following sizes of medium gauge PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required 25 mm	150	metre		
7	Supply and fixing of following sizes of medium gauge PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required 20 mm	80	metre		

8	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.5/6 amps switch	50	each		
9	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch	10	each		
10	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet	10	each		
11	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet	10	each		
12	Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant) 32A DP switch with indicator	10	each		
13	Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant) 25A 3pin Shuttered socket	6	each		
14	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.1 or 2 Module (75mmX75mm)	8	each		
15	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)	8	each		
16	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.3 Module (100X75mm)	6	each		
17	Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 4 way (8+12) - three phase double cover (IP42/43)	1	each		
18	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, 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 MCBIRCCB/Isolator12 way, Double door	1	each		

19	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. Single pole	24	each		
20	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. Triple pole	1	each		
21	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.100amps	1	each		
22	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.100 amps	1	each		
23	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	1	each		
24	Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 16 sq mm with factory made clamp	6	metre		
25	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 16 sq. mm (28mm)	2	set		
26	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed ISI marked rigid PVC conduit of minimum size 20 mm conforming to IS: 9537 Part-3 1983 with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C	5	Nos		

27	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed ISI marked rigid PVC conduit of minimum size 20 mm conforming to IS: 9537 Part-3 1983 with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.
Group B	4	nos		
29	Supply and fixing of exhaust fan in rest rooms 8" Make : Luker/V guard	4	nos		
30	Supply and fixing of LED light fixture, 40 W 2' x 2' (min 5000 Lumens, backlit panel cool white) in existing false ceiling, giving connection, wires etc	30	nos		
31	Supply and fixing of LED light fixture, 18 W (min 5000 Lumens, backlit panel cool white) in existing false ceiling recess, giving connection, wires etc	35	nos		
	Civil Works				
1	Supplying and fixing false ceiling using gypsum board of approved quality and make with necessary channels, fittings etc. final painting using acrylic emulsion paint. The rate including taxes, cost and conveyance of all materials to site, labour charges and hire charges for scaffolding complete as per direction and specification.	SQFT	280		
2	Supplying and fixing grid ceiling using 12 mm powder coated aquastic board of approved quality and make with necessary channels, fittings, acoustic wool (25 mm compressed material) etc. final painting using acrylic emulsion paint the rate including taxes, cost and conveyance of all materials to site, labour charges and hire charges for scaffolding complete as per direction and specification,	SQFT	2000		
3	Supplying and fixing TKT Panels using 12 mm powder coated board of approved quality and make with necessary channels, fittings etc. The rate including taxes, cost and conveyance of all materials to site, labour charges and hire charges for scaffolding complete as per direction and specification.	SQFT	400		
				Total	
				Taxes	
				Grand total	

Annexure III

Technical Specification

(GYPSUM BOARD CEILING/ ACOUSTIC BOARD CEILING)

Sl No	Type of spec	Level of Details
1	Ceiling Type	Gypsum
2	Total Area	50 sq mtr approx
3	Gypsum Board	
3.1	Gypsum Board type	Plain
3.2	Gypsum Board thickness	12.5mm
3.3	Brand	Gyproc/ Armstrong/ Shera/ USG Boral
3.4	Fabrication	
3.5	Explosive Bolt	10mm GI anchor bolt
4	Hanging Pole	
4.1	Hanging Pole	GI L angle 1" x 1/4"
4.2	Hanging Pole thickness	0.45 mm
4.3	Hanging Pole Spacing	0.6 meter gap
4.4	Brand	Gyproc/ Armstrong/ Shera/ USG Boral
5	Wall Support (Perimeter channel)	
5.1	Type	GI Channel - on flange 20mm and other 30mm Web 27mm
5.2	Thickness	0.45mm
5.3	Mounting	Gypsum screw (25mm)
5.4	Screw spacing	1'
5.5	Brand	Gyproc/ Armstrong/ Shera/ USG Boral
6	Intermediate Support	
6.1	Type	GI channel 15 x 45 x 15mm
6.2	Thickness	0.90 mm
6.3	Spacing	1 Meter
6.4	Brand	Gyproc/ Armstrong/ Shera/ USG Boral
7	Section	
7.1	Type	G I section Curled web of 80mm and two flanges of 26mm
7.2	Thickness	0.55 mm
7.3	Brand	Gyproc/ Armstrong/ Shera/ USG Boral
8	Joint Tape	Gyproc/ Armstrong/ Shera/ USG Boral
9	Putty	Gyproc/ Armstrong/ Shera/ USG Boral
10	Screw spacing (Gypsum Board)	10"
10	Gypsum Board Border Box	
10.1	Width	3'
10.2	Height	7"
10.3	Projection	Towards ground

Technical specification (GRID CEILING)

Sl No	Type of spec	Level of Details
1	Ceiling Type	Grid ceiling-echo proof
2	Total Area	100mtr approx
3	GRID Tile	
3.1	Tile type	Laminated Board
3.2	Thickness	12.5mm
3.3	Brand	Gyproc/ Armstrong/ Shera/ USG Boral/
3.4	Size	600 x 600 mm

4	Fabrication	
4.1	Explosive Bolt	10mm GI anchor bolt
5	Hanging Pole	
5.1	Hanging Pole	GI L angle 1" x 1/4"
5.2	Hanging Pole thickness	0.45 mm
5.3	Hanging Pole Spacing	1.2 meter gap
5.4	Brand	Gyproc/ Armstrong/ Shera/ USG Boral
6	Wall Support (Perimeter channel)	
6.1	Type	GI L section
6.2	Thickness	0.45mm
6.3	Mounting	Gypsum screw (6mm)
6.4	Size	1" x 1"
6.5	Screw spacing	1'
6.6	Brand	Gyproc/ Armstrong/ Shera/ USG Boral
7	Main Keel	
7.1	Type	GI T angle 1" x 1 1/4"
7.2	Spacing	120cm
8	Cross Keel	
8.1	Type	GI T angle 1" x 1 1/4"
8.2	Spacing	4'
8.3	Fixing	4' and 2'
9	Cornice	
9.1	Size	4"
9.2	Material	POP moulded

List of approved make of Electrical items

Wire/cable	Polycab, Havels, RR kabel
switches	legrand, L & T
MCB, RCCB	L & T
Lamps, LED light fixture	samson, dewton, wipro, philips, syska
Exhaust fan	Luker, V Guard

