

THE WEST BENGAL
STATE CO-OPERATIVE MARKETING FEDERATION LTD.
[BENFED]

SOUTHEND CONCLAVE (3RD FLOOR)

1582,RAJDANGA MAIN ROAD

KOLKATA-700107

Tender for design ,supply installation
testing and commissioning of Electrical Installation

For godowns

At

Ransagar, Murshidabad

Price: Rs.500/-

General Description & Scope of Works :-

1. **SCOPE** : The scope of work includes design ,supply, installation ,testing & commissioning of electrical installation for office building ,jute god owns and buffer god owns ,and ancillary buildings . The scope of work also includes sub-
mission of test certificate by competent Electrical Supervisor.

2. **Location** :-

The project site is located at Ransagar, Murshidabad. It is about 18 km from Berhampore town.

3. **Lay out** :-

The layout of the jute complex and the jute godowns and ancillary buildings shall be made available on demand..

The contractor shall inspect site and execute the work in accordance with the drawings prepared by him and duly approved by the Engineer/ Employer

4. The work should be carried out in compliance and on the basis of the following:-
 - a) The Indian Electricity Act. 1910
 - b) The Indian Electricity Rules 1956, and Regulations framed there under
 - c) The Electricity Act. 2003
 - d) The rules and bye- laws of the local Electricity supply authority.
 - e) The code of practice for Earthing I.S : 3042 - 1966
 - f) Cable jointing instructions as circulated by the Indian Cable Company.
 - g) The code of practice for maintenance of the insulation I.S : 1966 – 1961

GENERAL TERMS AND CONDITION :-

1. **Instructions for Tendering** :-

Tenders are to be submitted in duplicate in the form appended with this document. No tender shall be accepted after expiry of due date and time.

2. **Earnest Money** :-

Earnest Money as indicated in the Notice Inviting Tender shall be deposited in the form of Bank Draft drawn on any nationalized bank in favors of the **West Bengal State Co- Operative Marketing Federation Ltd.** Payable at Kolkata

Any tender which is not accompanied by Earnest Money in the prescribed Manner is likely to be rejected . Earnest Money deposit of unsuccessful tenderers shall be refunded with in 30 days from the date of opening of the tenders and that for the successful tenderer shall be retained till the satisfactory commissioning /handing over the installation.

3. **Acceptance of Tender** :

The employer reserves the right to reject / negotiate all or any of the tenders and to accept in whole or part of any of the tenders without assigning any reason.

4. **Validity of Tender**

The tender shall valid for a period of 60 days from the date of opening of tender In the event of the tenderer with drawing his offer within the validity period, for any reason what-so –ever , earnest money deposited with the tender shall be forfeited by the Employer.

5. **Price Basis**

Quoted price should be inclusive of all taxes, duties , freight packing , loading and unloading charges and transit insurance. No charges other than explicitly quoted in the tender shall be paid. No escalation of prices or charges shall be payable.

In case of any variation in quantity mentioned in the schedule, unit rate shall be applicable for determining the value of actual quantity utilized.

6. **Completeness of Contract**

The contractor shall provide without any extra charge all small items whether specifically mentioned or not but which are usual or required to make the installation complete ensuring safety and satisfactory operation. All apparatus, materials or labours which may be necessary to complete the work in accordance with the intent and purpose of this specifications shall be furnished with out any extra charge , as if fully described and called for in the specification and /or shown in the drawing.

7. **Guarantee**

Guarantee period of the installations, against manufacturing defects should be Clearly mentioned but in no case should be less than one year

8. **Completion Time** :

The job shall be completed within 2 (Two) months from the date of issue of of work - order

9. **Drawings**

Within 21 days of the acceptance of the tender, contractor shall furnish three prints of layout , assembly and erection drawings for approval .If any modifications are proposed by the employer further prints of the modified drawings shall be submitted.

Approval by the employer of the drawings shall not relieve the contractor of any part of his obligation to meet all the requirements of the contact.

10. **Terms of Payment.**

The Employer shall pay to the contractor the contract price in the following manner unless otherwise agreed upon :-

- i) 70 % of the contract value against delivery of the materials at site in perfect condition on pro rate basis
- ii) 20% of the contract value after satisfactory commissioning
- iii) 10 % after 6 months from the date of commissioning /handing over.

SCHEDULE OF RATES

NAME : Electrification of godown located at **Ransagar** in the district of Murshidabad

SL NO	Description Of Items	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	Replacement of 4 core 16 sq.mm PVC/A cable (for meter)	2	Mts		
2	Supplying and fixing compression type cable gland complete with brass gland, brass ring and rubber for dust and moisture proof entry of PVC armoured cable i) 4 core 16 sq.mm PVC/A cable	1	No		
3	Finishing of cable ends by crimping method incl. supply and fixing solder less sockets , tape anticorrosive Paste and jointing materials. i) 4 core 16 sq.mm PVC/A cable	1	Set		
4	Earthing with 50mm dia G.I pipe (ISI marked) medium grade 3.64mm thick x3.04mts long and 1x4 SWG GI (hot dip)wire (4 mts long),13mm dia x80mm long GI bolts ,double washers including supply and fixing 15mm dia GI pipe protection (1mt. long) to be filled with bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 mts below the gr. level and restoring the surface duly rammed.] [2 nos at L.T Panel, 2 nos at Jute godown]	4	Sets		

SL NO	Description Of Items	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
5	Replacement of the following main switches of the existing LT panel including making interconnection with painting with two coats of approved quality paint. i) 63A TPN Havelles make main switch.....1 No ii) 32A TPN Havelles make main switch1 No iii)16A TPN Havelles make sheet steel main switches2 Nos iv) 16A SPN Havelles make sheet steel main switch2No The LT panel board should be checked, tested, duly earthed and commissioned after replacement of all other spares if necessary.	1	item		
6	Replacement of the following items of the existing wiring of the office building. a) Piano key type anchor make 5A switches b) 5A anchor make socket base	20 10	Nos Nos		
7	Supplying and fixing single rail type florescent light fittings complete with copper choke ,starter and 36 watt tube directly in wall/ Hw wooden block with suitable size of fastener	2	Sets		
8	Supplying and fixing 1400mm sweep A.C ceiling fan complete with blade Canopy regulators etc. suspended below ceiling in the office room	1	Set		
9	Repairing of an A.C Ceiling Fan including replacement of all spares necessary	1	item		

SL NO	Description Of Items	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
10	<p>Replacement of the following main switches provided in the switching box located at out side wall of jute godown</p> <p>i) 16A TPN Havells make Main Switch1 No</p> <p>ii) Sheet steel (16SWG) TPN iron clad Bus bar chamber with 4 nos 20x5mm copper bar of adequate length1 Set</p> <p>iii)16A Havells make main switch for existing board5 Nos</p> <p>The switches board should be checked thoroughly ,inter connection should be checked. and replace with adequate size of copper wire , painted with two coats of approved quality paint, duly earthed and commissioned after replacement of any other spares if necessary</p>	1	item		
11	<p>Distribution wiring through 19mm dia 3mm thick polythene pipe complete with all fittings as necessary under ceiling /beam/surface bound with 22 SWG GI binding wire including supplying and drawing 2 x22/0.3 (1.5 sq.mm) 1.1 KV grade single core stranded FR PVC insulated and unsheathed copper wire (approved make) drawing 1x18 SWG GI fish wire inside pipe and fittings and providing 50mm dia disc. of MS sheet (20 SWG)having colour paint as inspection/junction box in loop-in-loop out system to light points within godown [6 nos lights to be controlled in each group]</p>	300	Mts		
12	<p>Supplying and fixing low bay integral HID luminaries supplying and fixing 70watt Sodium Lamp to be fixed up in the roof truss as per direction of Engineer-In -Charge</p>	12	Sets		

SL NO	Description Of Items	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
13	Distribution wiring through 19mm dia 3mm thick polythene pipe complete with all fittings as necessary recessed in wall /surface with 22 SWG GI binding wire including supplying and drawing 2x36/0.3 (2.5sq.mm) 1.1 KV grade single core stranded FR PVC insulated and unsheathed copper wire (approved make) drawing 1 x18SWG fish wire inside pipe and fittings and providing 50mm dia disc.of MS sheet(20 SWG) having colour paint as inspection /junction box in Loop-In-Loop-Out system to outdoor light points of Jute godown	300	Mts		
14	Supplying and fixing Outdoor type cast Al. luminaries with side reflectors including Supplying and fixing 150 watt sodium vapour to be fixed up in the out door wall including supplying and fixing 40mm dia x 1.68 mts long GI pipe bracket (ISI medium) with 40mm x 10mm thick MS clamp etc. and providing wiring .with 2 x22/0.3 (1.5 sq.mm) PVC insulated and unsheathed copper wire (FR) in polythene conduit without central switch including making connection and painting	6	Sets		
15	Removing of all old wiring fittings fixtures etc and depositing the same section office	1	item		
Total					

(RupeesOnly)

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(Signature)
(Seal)

List of Materials of Approved Make/ Brand

The contractors shall use materials in their works subject to inspection prior to dispatch by representative of BENFED. All materials not otherwise specified shall be in accordance with Indian standard specification, where such exists and subject to prior approval of the Engineer- In –Charge. The contractor shall be bound to offer sample of materials which are claimed to be conforming to I.S specification for testing at an approved test laboratory as and when directed.

Contractors shall purchase all the materials from the manufacturer or their authorized stockiest only. Necessary documentary evidences must be produced on demand. Contractors shall be bound to supply items of any make of the items as per choice of the BENFED.

<u>SL./No.</u>	<u>Description</u>	<u>Make</u>
	1.1 KV grade XLPE/PVC insulated armoured Aluminum cable	Polycab/Gloster/Havells
2	1.1 KV grade PVC insulated FR/Copper conductor /flexible conductor	Polycab/Finolex
3	PVC conduit	Precision/polycab
4	PVC casing capping	Precision/Harsh/Polycab
5	PVC circular box	
6	5/15A piano key type switches flush type plug socket & mounting accessories	Anchor/SSK
7	G.I. pipe	ITC/BSI/Jindal
8	Ceiling rose (3 plate)	Anchor/ precision
9	Holder	Anchor/precision
10	Paint	Shalimar/Johnson & Nic British paint
11	Bakelite sheet –3mm thick white	Hylam make
12	XLPE/ PVC terminal	Essen/Elenea/L&T
13	Cable Gland	Dowell's/power engg/
14	Cable Lug	Dowell's
15	Sheet steel/Iron Clad 32A/15A main switches	Jai champion/Surya/SEM
16	Outdoor type 150 watt luminous	Philips/Bajaj/GE/Crompton
17	Low Bay integral HID Luminaries	Philips/Bajaj/GE/Crompton
18	Single fluorescent luminaries	Philips/Bajaj/GE
19	Ceiling fan	Crompton/Khaitan/