

THE WEST BENGAL
STATE CO-OPERATIVE MARKETING FEDERATION LTD.

Southend Conclave , 3rd Floor
1582, Rajdanga Main Road, Kolkata- 700107

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

For godown complex
At
Jairampur, Hooghly

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, buffer godowns ,and ancillary buildings . The scope of work also includes submission of test certificate by competent Electrical Supervisor.

2. **Location** : - The project site is located at **Jairampur (near Arambagh) in the district of Hooghly.**

3. **Lay out** :- The layout and dimensions of the jute complex and the buffer godowns and ancillary buildings shall be as per the drawing enclosed with this document.
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 CONDITIONS : -

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 favour 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 tenderers 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 tenderers withdrawing 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-rata basis
- ii) 20% of the contract value after satisfactory commissioning
- iii) 10 % after 6 months from the date of commissioning /handing over.

TENDER FORM

(To be submitted in duplicate along with the Annexure)

To
The Managing Director,
West Bengal State Co-Op. Marketing Federation Ltd.
Southend Conclave , 3rd Floor ,Kol-107

Sub.: - Tender for design, supply, installation testing and commissioning of electrical Installation for the godown complex. at Jairampur Arambagh

Dear Sir,

I / We have read and examined the following documents relating to the work of Design, supply installation ,testing and commissioning of electrical installation for jute complex and fertilizer godowns at Jairampur Arambagh.

- a) Notice Inviting Tender
- b) General terms and condition
- c) General Description and scope of work
- d) Technical specifications and schedule of works.

2. I / We hereby tender for execution of the works mentioned above upon the terms and conditions contained or referred to therein and in accordance with the specifications, drawings and other relevant details ,on indivisible works contract basis inclusive of all taxes duties freight free of delivery at site installation / fixing , testing etc. at a total cost of Rs.(Rupees as per the prices schedule appended.

3. Should this tender be accepted, I / we hereby agreed to abide by and fulfill the terms conditions and provisions of the aforesaid documents.

4. If, after the tender is accepted and I / we fail to commence the execution of works as provided in the conditions , I / we agree that the West Bengal State Co.-Op. Marketing Federation Ltd. Shall with out prejudice to any of their right or remedy , be at liberty to forfeit the earnest money deposited with the Tender absolutely.

SIGNATURE :

Designation :

(SEAL)

Company :

Date :

Schedule of Quantity

Name: Electrification of godown complex situated at Jairampur Arambagh

Sl.No.	Description of Item	Qty.	unit	Rate	Amount
1	Supplying and fixing 500V, TPN with fuse on live side and neutral linked 30/32A sheet steel/iron clad main switch on wall at newly constructed meter room near entrance gate	1	Set		
2	Supplying and laying 1.1KV grade 4core10sqmm PVC/A cable in under ground trench 460mm wide x 760 mm average depth with brick protection on the top of the cable with 8(eight) nos bricks per meter including filling the space between the brick and cable and also the trench with shifted soil leveling up and restoring surface duly rammed	70	mts		
3	Supplying and fixing Compression type cable gland , complete with brass gland, brass ring and rubber ring for dust and moisture proof entry of P.V.C armoured cable				
a	for 4core 10 sq. mm cable	2	nos		
b	for 4core 6 sq. mm cable	4	nos		
4	Replacement of existing 32A TPN main switch in the office room	1	no		
5	Removing of existing damaged wiring of the office room and depositing the same to office	1	item		
6	Finishing of cable ends by crimping method incl. supplying and fixing solderless sockets ,tape anticorrosive paste and jointing materials				

Sl.No.	Description of Item	Qty.	unit	Rate	Amount
a	for 4core 10 sq. mm cable	2	sets		
b	for 4core 6 sq. mm cable	4	sets		
7	Earthing with 50mm dia G-I pipe (ISI marked medium grade) 3.64mm thick x 3.04 mts long and 1 x4swg G-I (Hot Dip) wire 4mts long, 13mm dia x 63.5mm long Galv. Bolts double units and bolts and washer incl. S&F 15mm dia G-I pipe protection (1mt) long to be filled with bitumen, partly under the ground level and partly above ground level to an avg. depth of 3.65 mtrs below the ground level and restoring the surface duly rammed [2 nos at Meter room , 1 no at office 1 no. each for Godown I & II]	5	sets		
8	Supplying and fixing earth busbar of galvanized (Hot Dip) MS flat 25mm x 6mm on wall having clearance of 6mm from wall incl. providing drilled holes on the busbar complete G-I bolts , nuts washer, spacing insulators etc.as required	3	sets		
9	Distribution wiring in 1.1 KV grade 2x 22/0.3 (1.5sq.mm) single core stranded FR PVC insulated and unsheathed copper wire(app. Make) in suitable size of pvc casing capping with 1x22/0.3(1.5sq.mm)single core stranded FR PVC insulated and unsheathed copper wire for ECC including necessary pvc clips fittings etc. to light /fan point with piano key type switch (Anchor make) fixed on sheet metal fabricated switch board with perpex/bake-lite top cover on wall including necessary connections and making earthing attachment and mending good damages to building works(PVC casing capping and switch board both on surface)	11	pts		

Sl.No.	Description of Item	Qty.	unit	Rate	Amount
10	Distribution wiring in 1.1KV grade 2 x 22/0.3 (1.5 sqmm) single core stranded FR pvc insulated and unsheathed copper wire (app. Make) in suitable size pvc casing capping (precision make with 1x 22/0.3 (1.5 sq.mm) single core stranded FR pvc insulated and unsheathed copper wire for ECC including necessary pvc clips fittings etc. to 5A 3pin flush type plug socket with piano key type switch (Anchor make) fixed on sheet metal fabricated CRC MS switch board with bakelite/ perspex (wall matching colour) top cover of 3mm thick on wall (pvc casing capping and plug box both on wall surface)	2	pts		
11	supplying and fixing single Rail Type fluorescent light fitting complete with copper choke starter and 36 watt tube directly on wall / HW round block with suitable size of fastener	2	sets		
12	Supplying and fixing 9 watt CFL lamp on angles on wall	6	nos		
13	Distribution wiring through 19mm dia 3mm thick polythene pipe complete with all fittings as necessary under ceiling/ beam / surface bound with 22 SWG G-9 binding wire including supplying and drawing 2x 22/0.3 (1.5 Sq.M) 1.1KV grade single core stranded FR PVC insulated and unsheathed copper wire (approved make) drawing 1 x 18 SWG G-I fish wire inside pipe and fittings and providing 50mm dia disc. Of MS sheet (20SWG) having colour paint as inspection/ junction box in loop- in loop- out system to lights points within godown [4 nos lights will be in each group)	300	mts		
14	Supplying and fixing outdoor type wall mounting switch box having IP-42 protection to be manufactured from 3mm thick MS sheet having slope roof front opening and locking arrangements overall dimension (2'x2'x 1'-4"depth)including Supplying and fixing one No. 16A TPN IC /sheet steel main switch ,4 nos copper busbar of adequate capacity 3nos 16A SPN main switches for indoor/outdoor light points painted with 2 coats of weather proof paint over one coat of Red oxide primer	2	sets		

Sl.No.	Description of Item	Qty.	unit	Rate	Amount
15	Supplying and fixing M-Seal PVC jointing kit for 4 Core 6 Sq.mm PVC Aluminium Cable including supplying and fixing jointing materials tapes etc. (as required)	2	sets		
16	Supplying and fixing 4 core 6 Sq.M PVC/Al./A cable for extending 3 phase power to Godown-I / Godown-II through joints if necessary	20	mts		
17	Distribution wiring through 19mm dia 3mm thick polythene pipe complete with all fittings as necessary recessed in wall /surface with 22 SWG G-I binding wire including supplying and drawing 2 x 36/0.3 (2.5 Sq.M) 1.1 KV grade single core stranded FR PVC insulated and unsheathed copper wire (approved make) drawing 1 x 18 SWG fish wire inside pipe and fittings and providing 50mm dia disc. Of MS sheet (20SWG) having colour paint as inspection /junction box in looping in looping-out system to out door light paints of Godown No. I/II	300	mts		
18	Supplying and fixing Low-bay integral HID luminaire including supplying and fixing 70 watt sodium lamp to be fixed in the roof trush as per direction of Engineer- in-charge	16	nos		
19	Supplying and fixing out door type cast Aluminium luminaries with side reflectors including S&F 150watt sodium lamp to be fixed up in the out door wall including supplying and fixing 40mm dia x 1.68 mtrs long G-I pipe bracket (ISI medium) with 40mm x 10mm thick MS clamp etc. and providing wiring with 2 x 22/0.3 (1.5sq.mm) PVC insulated and unsheathed copper wire (FR) in polythene conduit without control switch including making connection and painting	11	nos		
20	Excavation of soil in the entry point of cable route in front of Godown No. I /II for detection of position of cable	2	item		

TOTAL:

(Rupees _____)

Signature:

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 manufacturers 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	1.1 KV grade XLPE/PVC insulated armoured Aluminium 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	Precision/Harsh/Polycab
6	5/15A piano key type switches flush type plug socket & mounting accessories	Anchor/SSK
7	G-I pipe	ITC/BSI/Zindal
8	Ceiling rose (3 plate)	Anchor/ precision
9	Holder	Anchor/precision
10	Paint	Shalimar/Jhonson & 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 Havells/Siemens/L&T/Standard
16	Outdoor type 150 watt luminaries	Philips/Bajaj/GE/Crompton
17	Low Bay integral HID Luminaries	Philips/Bajaj/GE/Crompton
18	Single fluorescent luminaries	Philips/Bajaj/GE