

**JAMIA HAMDARD**  
**(Hamdard University)**  
**HAMDARD NAGAR, NEW DELHI - 110062**

**TENDER DOCUMENT**

**FOR**

**SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF FEEDER PILLAR /  
PANEL (LT), INCLUDING DISMANTLING OF OLD PANELS, SUPPLYING, LAYING  
& END TERMINATION WITH GLANDS OF RELATED LT CABLES ETC  
INCLUDING LAYING OF CABLES FOR RESIDENTIAL AREAS AT JAMIA  
HAMDARD CAMPUS.**

## **NOTICE INVITING TENDER**

Sealed item rate quotations are invited for the following job. The agency having sufficient experience of such works and having TIN/WCT may only apply.

**Name of Work:** Supply, installation, testing and commissioning of feeder pillar / panel (LT), including dismantling of old panels and shifting of same to other site, end termination of cables with glands etc including laying of cables for residential areas at Jamia Hamdard campus.

**Site / Location of Work :**

- 1- Substation-II to B Block and from B Block to C, D, E, E1, F etc Block.
- 2- From panel in front of Physiotherapy to G, H, J & J1 Block.
- 3- Laying of cable with strait through joints in the cables of HARC from Substation-II.

**Time Period for completion of work:** - 15 days from the issue of the work order and procurement of cables at site.

The BOQ may be collected from the office of the A.E. (Electrical) from 14-08-2017 to 18-08-2017 from 9:00am to 3:00pm or downloaded from the website of Jamia Hamdard and the sealed rates be deposited in the tender box kept at Purchase Section by 3:00pm on 18-08-2017. Tenders will be opened on same day at 3:30pm in the office of the Sr. Consultant (E & M). Bidders are also requested to be present at the time of opening of Tenders.

The bids may be submitted by the following categories of parties.

Contractors should have executed similar nature of work in prestigious institutional buildings, Universities, Hospitals etc, and produce credentials in support thereof.

The quantities given in the schedule are tentative and the actual quantities to be executed may vary (+ or -). The total works have to be executed within 15days from award of work. Therefore, contractors with large work force/resources need only apply.

Last date of submission of bid	:	18.08. 2017	(up to 3pm)
Date of opening of bids	:	18.08. 2017	(at 3:30 pm)
Time for completion	:	15days	

**Requirements to be fulfilled:**

1. No subletting or subcontracting of the work will be permitted.
2. The Company shall give an undertaking that they shall not employ minor workman.
3. The Bidder has not been black listed by any of the Govt. Depts./Govt. Institutions etc. during last three years.

4. The tenderers shall attach copy of PAN Card, and TIN.
5. Duly sealed tenders shall be dropped in the tender box placed at the Purchase Section, Basement of Administration Building before due and time.
6. The conditional bids shall not be considered under any circumstances and rejected without any notice or assigning any reasons therefore.
7. All bids once submitted shall be the property of Jamia Hamdard, and bidders will lay no claim whatsoever on the same.
8. Jamia Hamdard, reserves the right to reject any or all the tenders in full or in part without assigning any reasons whatsoever, and the decision of the University in this regard will be binding on all the bidders. Tenderers not complying with any of the provisions stated in this tender document are liable to be rejected. Jamia Hamdard, reserves the right to accept or reject any or all tenders without assigning any reason and does not bind himself to accept the lowest tender.
9. No T & P shall be supplied by the University.
10. Applicable taxes shall be deducted from the contractor bill as per Govt. of India rules.
11. Jamia Hamdard welfare fund charges will be deducted @ 0.25% of the amount of total billed amount. Security shall be deducted @ 5 % of value of work done. The same shall be released after the defect and liability period of one year.
12. Time allowed for the work shall be strictly followed otherwise the contractor shall be liable to pay compensation @ **1.5%** of the tendered value of the work per week of delay on the part of the contractor. The decision of Engineer-in-charge about the delay shall be final and binding.
13. No escalation in any form either of material or labour shall be payable by the University. The bidder shall also absorb any statutory escalation/increase of wages /material cost if any, anticipated during the contract tenure, including extended tenure.
14. All material brought at site shall be as per list of specification & schedule of quantities (shall be strictly followed) and shall be got entered in the site book and approved by Engineer-In-charge before being used.
15. Mandatory tests have to be carried out as asked for by the Engineer-In-Charge. Nothing extra shall be paid for such purpose.

16. The tenderer shall be solely responsible for any accident/medical/health related liability/compensation for the personnel deployed by it at Jamia Hamdard. The Jamia Hamdard shall have no liability in this regard.
17. The tenderer should take extra precaution to ensure that there is absolutely no damage to the surrounding structure/existing system etc. If any damage made by agency, it will be got repaired/replaced/rectified by the agency itself at no extra cost.
18. On completion of all work, Agency shall remove all surplus materials & leave the site in a broom clean condition, failing which the same shall be done at Agency's risk & cost.
19. The Agency shall ensure compliance of all statutory laws & bye laws of the central govt./ state govt./Municipal authorities related to the employment of their staff and all obligations under Minimum Wage Act, Workman Compensation Act, Provident Fund & Miscellaneous Provision Act, Bonus Act & Contract Labour Act 1970 etc. Jamia Hamdard University will not be responsible for such purposes in anyway.
20. Any claim, dispute or difference arising out of or in connection with this agreement and which cannot be settled by mutual consultations, shall be referred to sole Arbitration or an Arbitrator to be appointed by the Registrar, Jamia Hamdard University. The award of the Arbitrator shall be final and binding between the parties as per the terms and conditions of the Agreement to be executed on award of contract. The Arbitrator proceeding shall be governed by the Arbitration and Conciliation Ordinance dated 26th March, 1996 and shall be conducted in Delhi. The agreement drawn shall be subjected to the jurisdiction of the courts at Delhi.

## **GENERAL CONDITIONS FOR SUBMISSION OF TENDER**

### **1. Submission of Tender:**

Tenders should be submitted in sealed envelopes. The tender duly filled in should be sent to above mentioned address either by post or hand delivered in the tender box kept in the Purchase Section, Basement of Administration, Jamia Hamdard. Jamia Hamdard will not be responsible for tenders lost in postal transit or otherwise. It should not be handed over to any employee of the Jamia Hamdard. No tender shall be accepted later than the time schedule specified above. Tender once submitted will remain with the Jamia Hamdard and will not be returned to the bidder.

## **2. Price Bid:**

In this bid the bidder is required to quote his items rates/prices for the **above said works “at JAMIA HAMDARD.”** in the schedule of work attached. Items rates should be filled in both i.e. figure and words. The scope of work & technical specifications are provided for your reference. The quoted prices shall be including all the taxes levied by statutory Govt. bodies. It is mandatory on bidder to quote all items rate as asked for in the **BOQ/ Schedule of work**. Failure to adhere to this condition may lead to rejection of tender. The bidders should quote unconditional rates, neatly written without any overwriting and duly signed & stamped in all pages.

### **2.1 CONTRACTOR TO SATISFY HIMSELF ABOUT SITE CONDITIONS**

**Before tendering, the Contractor shall visit and examine the site and satisfy himself as to the site conditions, the correct dimensions of the work and facilities. In case of any doubt, may be clarified from the office of the Assistant Engineer (Electrical).**

### **SCOPE OF WORK**

#### **3.1 SCOPE**

The general character and the scope of work is illustrated and defined by the Schedule of Quantities at Annexure – ‘B’ and Specifications herewith attached at Annexure – ‘A’.

#### **3.2 EXTENT**

The Contractor shall carryout and completes the said work in every respect in accordance with the contract, and with the directions of and to the satisfaction of the Engineer-in-charge.

## **4. TYPE OF CONTRACT**

The Contract shall be an item rate contract. The Contractor shall be paid at the contract rates, for the actual quantity of work carried out by him in accordance with the Contract documents as measured.

## **5. SCHEDULE OF QUANTITIES**

The quantities given in the Schedule of Quantities are provisional and are meant to indicate the intent of the work and provide a uniform basis for tendering. The Contractor shall be paid for the actual quantity of work executed by him in accordance with Contract Documents at the contract rates.

## **6. PAYMENT OF CONTRACTORS BILL**

Subject to the provisions of terms and conditions of the contract, JAMIA HAMDARD, shall affect Contract payments against RA Bills shall be released to the contractor as below:

**Final Bill:**- Within one (1) months of submission of the Bill with the final completion certificate and as per the terms and conditions of the Contract.

*Note: All Bills are required to be supported by Detailed Measurement Sheet and Analysis of Rates for Extra Items and its approval along with the Bill. The Bills shall be submitted in specified format which should indicate quantities executed in all RA Bills and cumulative Quantities besides current bill quantities along with tendered quantity/unit/rates. There may occur deviations from the above noted schedule of payments in exigent circumstances.*

7. Generality of this present provision shall not be deemed to cut down or limited in any way because in certain cases it may and in other cases it may not be expressly stated that the Contractor shall do or perform a work or supply articles or perform services at his own cost or without additional payment or without extra charges or words to the same effect or that it may be stated or not stated that the same are included in and covered by the Schedule of Rates.

**ANNEXURE-'A'**

**List of approved make for Supply, Installation, Testing & Commissioning of Feeder Pillar / Panels (LT), including dismantling of old Panels and supplying, laying & End Termination with glands of related LT cables etc complete in all respects.**

<b>S. No.</b>	<b>Description of material</b>	<b>Make</b>
1.	TP MCCB (Thermal Magnetic release type)	L & T/ Schneider/ABB
2.	Handle for MCCBS	L & T/ Schneider/ABB
3.	Spreader link	L & T/ Schneider/ABB
4.	AMP meter Digital	L & T/ Schneider
5.	ASS	L & T/KC
6.	Phase indication lamp 220V AC	L & T / Vishnu
7.	Volt Meter Digital	L & T / Schneider
8.	VSS	L & T /KC
9	6Amp SP MCB	L & T / Hager /ABB
10	CT 400/5Amp	Kappa /L&T
11	Kwh Meter	L & T /Schneider /ABB
12	Change over Switch	HPL/ Socomec
13	Aluminium Armoured cable	Havells / Poly cab
14	Brass Compression Gland	Comet
15	Thimbles	Dowell/ Jainson

**BOQ for Laying of LT Cables and S/I/T/C of LT Distribution Panel/Feeder Pillars for different locations of Residential Areas at Jamia Hamdard Campus.**

S. No.	Description of Items	Quantity (Nos/Rmt.)	Rate (Rs.)	Amount
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.			
1.1	Above 95 sq. mm and up to 185 sq. mm	728Rmt.		
1.2	Above 185 sq. mm and up to 400 sq. mm	321Rmt.		
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.			
2.1	Above 95 sq. mm and up to 185 sq. mm	315Rmt.		
2.1	Above 185 sq. mm and up to 400 sq. mm	87Rmt.		
3.	Making trench less underground hole across the roads/cement concrete pathway at a depth of but 1mtr. By means of manual augor and connecting pipes to suit the pipe/cable of size up to 100mm dia., i/c making excavation on both side of road/pathway for making trenchless hole and refilling the same with excavated soil after laying pipe & cable through trenchless hole, watering, dressing complete as required as per instruction of Engineer-in-Charge.	61Rmt.		
4.	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.			
4.1	3½ X 300 sq. mm (70 mm)	04		
4.2	3½ X 240 sq. mm (62mm)	02		
4.3	3½ X 185 sq. mm (57mm)	16		
4.4	3½ X 120 sq. mm (45 mm)	4		
4.5	3½ X 95 sq. mm (45 mm)	16		
6.	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following			



	size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.			
6.1	3½ X 240 sq. mm	02		
7.	<p>S.I.T.C of outdoor Panel made of 14/ SWG CRCA MS Sheet, duly Powder coated with 9iemens grey shade 7035 with door locks, door gasket, complete with wiring, 400A AL Busbar  PanelSize:1650x1300x650mm (HxWxD)  (Approximated, Base Frame size:50x50x5mm, comprising of</p> <p><b>A. Incoming 400Amp TP MCCB – 01 No.</b>  <b>B. Outgoing</b>  i. <b>200Amp TP MCCB – 03 Nos.</b>  ii. <b>320Amp TP MCCB – 01 No.</b></p> <p>Handle arrangement for 400A,200A,320A MCCBs, Spreader Link, Amp Meter Digital, ASS, Phase Indication lamp 220v ac, Volt meter Digital, VSS, 6A SP MCB, CT 400/5A, Kwh meter LCD type with necessary accessories.</p> <p><b><u>For Main LT Feeder Pillar Panel near B block.</u></b>  <b>Make:</b>  a- <b>Breakers</b> – ABB, L&amp;T or equivalent.  b- <b>Meters</b> - AE, Rishabh  c- <b>KWH Meters</b> – L &amp;T/HPL</p>	01		
8.	<p>S.I.T.C of Panel made of 14/ SWG CRCA MS Sheet, duly Powder coated with Siemens grey shade 7035 with door locks, door gasket, complete with Busbar 250A Al. Busbar,  PanelSize:1250x600x300mm (HxWxD)  (Approximately) Base Frame size:40x40x5mm <b>for 250Amp Bus Bar Feeder Pillar along with providing suitable ratings' fuse units as isolator near C, D, E &amp; E1and behind B Block s at Jamia Hamdard</b></p>	05		
9.	<p>Fabrication, Supply Installation, Testing and Commissioning of floor panel board /meter board, size 1350X800X250 mm, (powder coated) provision for installation of 5 three phase energy meters on each panel with following accessories:</p> <p>1- Incomer 160Amp 4 pole MCCB –01No  2- Outgoing 63Amp TPN MCCB – 05Nos.  3- Aluminum Bus Bar (TPN) of rating 250Amp.  4- KWH Meter – 01No.</p> <p><b>Make:</b>  a- <b>Breakers</b> – ABB, L&amp;T or equivalent.  b- <b>Meters</b> - AE, Rishabh  c- <b>KWH Meters</b> – L &amp;T/HPL</p>	02 panels		
10.	Dismantling of feeder pillar and reinstallation near G, & F Block with foundation complete in all respect.	03		

11.	Dismantling LT panel near PG Girls Hostel and its re-installation and commissioning with foundation complete in all respect to new location Near B- Block	01		
12.	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required.	02		
13.	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	02		
14.	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 50 mm)	20Rmt.		
15.	Providing and fixing following rating and breaking capacity and pole MCCB with thermo magnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.			
15.1	250 A, 35 KA, TPMCCB	06		
16.	Supply of powder coated Box for 250Amp MCCB	02		
		<b>Total</b>		

**Sr. Consultant (E &M)**

**Signature and with Seal of the Agency**