

# **JAMIA 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.**

## 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. The agencies who have earlier quoted, may also apply.

**Name of Work:** 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. complete in all respect and complying CPRI specification / norms.

**Site / Location of Work :** In-front of Scholar House, Opposite of F/o-Unani Medicine, Inside Anne Marrie PG Girls Hostel and near G/H Block at Jamia Hamdard, New Delhi-110062.

**Time Period for completion of work:** - 30 days from the issue of the work order.

**Estimated Cost:-** 6.50 Lakhs

The BOQ may be collected from the office of the A.E. (Electrical) from 15-02-2017 to 20-02-2017 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 20-02-2017. Tenders will be opened on same day at 3:30pm in the office of the Chairman Building Advisory committee. 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 30 days from award of work. Therefore, contractors with large work force/resources need only apply. Delay in execution of works shall attach liquidated damage charges as per CPWD condition of contract.

|                                |   |             |              |
|--------------------------------|---|-------------|--------------|
| Last date of submission of bid | : | 20.02. 2017 | (up to 3pm)  |
| Date of opening of bids        | : | 20.02. 2017 | (at 3:30 pm) |
| Time for completion            | : | 30 days     |              |

### **Requirements to be fulfilled:**

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

1. The tenderers shall attach copy of PAN Card.
2. Duly sealed tenders shall be dropped in the tender box placed at the Purchase Section, Basement of Administration Building.
3. The conditional bids shall not be considered under any circumstances and rejected without any notice or assigning any reasons therefore.
4. All bids once submitted shall be the property of Jamia Hamdard, and bidders will lay no claim whatsoever on the same.
5. 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.
6. No T & P shall be supplied by the University.
7. Taxes as applicable shall be deducted from the contractor bill as per Govt. of India rules.
8. Jamia Hamdard welfare fund charges will be deducted @ 0.25% of the amount of total billed amount.
9. Security shall be deducted @ 5 % of value of work done. The same shall be released after the defect and liability period of one year.
10. The time allowed for completion of work shall be 30 days which shall be reckoned from 3<sup>rd</sup> (third) day from the date of issue of work order.
11. 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.
12. 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.

13. 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.
14. Mandatory tests have to be carried out as asked for by the Engineer-In-Charge. Nothing extra shall be paid for such purpose.
15. Any violation of instruction/agreement or suppression of facts will attract cancellation of agreement without any reference or any notice period.
16. The Engineer- in-Charge without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to the Government, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor.
17. 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.
18. The personnel provided by the agency will not claim to become the employees of Jamia Hamdard and there will be no Employee and Employer relationship between the personnel engaged by the Agency and Jamia Hamdard.
19. No tent or hut shall be allowed to be put up for workers to stay within the campus. The contractor is deemed to have inspected the site and thoroughly acquainted himself with the site conditions, availability of storage space for materials etc.
20. 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.
21. The tenderer should make special note of the fact that the Renovation/remodelling/repair works are to be carried out in the existing functional building and the agency will adopt necessary barricading / covering of the area under execution with no / least disturbance to adjoining / surrounding areas of the building under use for teaching / research, etc. The tenderer shall depute their own security staff for watch and ward of their materials supplied/ installed at site till the final handing over of the complete work and temporary lockable

shed/Almirah etc. shall be arranged by contractor at his own risk and cost. No accommodation/ staff/ lockable space will be provided by Jamia Hamdard under any circumstances.

22. It may here be noted, that the entire staff and labour of the Agency will follow all the security instructions issued by Jamia Hamdard University from time to time and these instructions may include the provisions to make suitable barricades or temporary wall fence to ensure that the labour confines itself to the area of the work ONLY. Serious action will be taken in case any of the contractor's workmen are found to be tampering with the Laboratory equipment and property of the University. Suitable damages will be recovered from the contractor's bills if anyone is found to do so. All decisions of the Engineer-in Charge in respect of the same will be final and binding on the contractor.
23. 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.
24. 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.
25. 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 Competent Authority of Jamia Hamdard. The award of the Arbitrator shall be final and binding between the parties as per the terms & 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.
26. **Shop Drawing:** - The shop drawing for all works as required by Engineer-in-charge shall be submitted in quadruplicate at no extra cost by the contractor and in the manner so required by them. The contractor shall proceed with the works only after approval by the Engineer-in-charge. Such drawings shall be coordinated with all disciplines of work.

## **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, drawings and Specifications herewith attached.

### **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       |
| 16            | PVC copper conductor cables             | Finolex/ Havells      |



**BOQ FOR THE 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.**

| S.No. | Description  | Qty | Unit | Rate | Amount |
|-------|--|-----|------|------|--------|
| 1.    | <p>S/I/T/C of outdoor Panel (with IP-65 protection) made of 14/ SWG CRCA MS Sheet, duly Powder coated with siemens grey shade 7035 with door locks, door gasket, complete with wiring, electrolytic high conductivity 3 phase and neutral AL Bus bar rated at 400A having a maximum current density 1.0 Amp/sqmm suitable to withstand symmetrical fault level of 25 MVA at 415 volts. PanelSize:1650×1300×650mm (H×W×D) (Approximated, Base Frame size:50x50x5mm, comprising of</p> <p><b>A. Incoming 400Amp TPN MCCB (36 KA ) Thermal magnetic release type – 01 No.</b></p> <p><b>B. Outgoing</b></p> <p><b>i. 200Amp TP MCCB (36 KA) Thermal magnetic release type – 03 Nos.</b></p> <p><b>ii. 320Amp TP MCCB (36 KA) Thermal magnetic release type – 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-I in front of Scholar House.</u></b></p> | 01  | Job  |      |        |
| 2.    | <p>S/I/T/C of outdoor Panel (with IP-65 protection) made of 14/ SWG CRCA MS Sheet, duly Powder coated with siemens grey shade 7035 with door locks, door gasket, complete with wiring, electrolytic high conductivity 3</p>  |     |      |      |        |

|    |  |    |     |  |  |
|----|--|----|-----|--|--|
|    | <p>phase and neutral AL Bus bar rated at 400A having a maximum current density 1.0 Amp/sqmm suitable to withstand symmetrical fault level of 25 MVA at 415 volts.<br/> PanelSize:1650×1300×650mm (H×W×D)<br/> (Approximated, Base Frame size:50x50x5mm, comprising of</p> <p>a. <b>Incoming 400Amp TPN MCCB ( 36 KA ) Thermal magnetic release type – – 01 No.</b></p> <p>b. <b>Outgoing</b></p> <p><b>200Amp TP MCCB ( 36 KA ) Thermal magnetic release type – 04 Nos.</b></p> <p>Handle arrangement for 400A,200A, 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 Panel-II Scholar House</u></b></p> | 01 | Job |  |  |
| 3. | <p>S/I/T/C of outdoor Panel (with IP-65 protection) made of 14/ SWG CRCA MS Sheet, duly Powder coated with siemens grey shade 7035 with door locks, door gasket, complete with wiring, electrolytic high conductivity 3 phase and neutral AL Bus bar rated at 400A having a maximum current density 1.0 Amp/sqmm suitable to withstand symmetrical fault level of 25 MVA at 415 volts<br/> PanelSize:1900×1100×550mm (H×W×D)<br/> (Approximately, Base Frame size:50x50x5mm,</p> <p>Comprising of</p> <p><b>A- Incomer: on load change over switch 400Amp – 01No</b></p> <p><b>B- Outgoing:</b></p> <p>i. <b>200Amp TP MCCB( 36 KA ) Thermal magnetic release type – – 01 No</b></p>   | 01 | Job |  |  |

|    |  |    |     |  |  |
|----|--|----|-----|--|--|
|    | <p><b>ii. 320Amp TP MCCB ( 36 KA ) Thermal magnetic release type – 01 No</b><br/> Handle arrangement for 200,320 AMCCBs, 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.<br/> <b>Main LT Feeder Panel at opposite of F/o-Unani Medicine</b></p>  |    |     |  |  |
| 4. | <p>S.I.T.C of outdoor Panel (with IP-65 protection) made of 14/ SWG CRCA MS Sheet, duly Powder coated with siemens grey shade 7035 with door locks, door gasket, complete with wiring, electrolytic high conductivity 3 phase and neutral AL Bus bar rated at 400A having a maximum current density 1.0 Amp/sqmm suitable to withstand symmetrical fault level of 25 MVA at 415 volts.<br/> PanelSize:1500x1300x650mm (HxWxD) (Approximately), Base Frame size:50x50x5mm, comprising of<br/> <b>A-Incoming 320 Amp TPN MCCB ( 36 KA ) Thermal magnetic release type – – 01 No.</b><br/> <b>B-Outgoing</b><br/> <b>(i) 200Amp TP MCCB ( 36 KA ) (Thermal magnetic release type) –03 Nos.</b><br/> Handle arrangement for 200 A MCCB, Amp Meter Digital, ASS, Phase Indication lamp 220v ac, Volt meter Digital VSS 6A SP MCB, CT 200/5A 200A, Spreader Link, Kwh meter LCD type with necessary accessories. <b>for inside Anne Marrie PG Girls Hostel</b></p> | 01 | Job |  |  |
| 5. | <p>S.I.T.C of outdoor Panel (with IP-65 protection) made of 14/ SWG CRCA MS Sheet, duly Powder coated with siemens grey shade 7035 with door locks, door gasket, complete with Busbar electrolytic high conductivity 3 phase and neutral AL Bus bar rated at 250A having a maximum current density 1.0 Amp/sqmm suitable to withstand symmetrical fault level of 25 MVA at 415 volts. Al. Busbar,</p>  | 01 | Job |  |  |

|     |  |    |      |  |  |
|-----|--|----|------|--|--|
|     | PanelSize:1250x600x300mm (HxWxD)<br>(Approximately) Base Frame size:40x40x5mm<br><b>for 250A Bus Bar Feeder Pillar at G &amp; H Block at Jamia Hamdard.</b>  |    |      |  |  |
| 6.  | Removing of old Panels   | 04 | Job  |  |  |
| 7.  | Supply and laying of one number PVC insulated and PVC sheathed /XLPE power cable of 1.1KV grade of following size direct in ground including excavation and sand cushioning, protective covering and refilling the trench etc as required. |    |      |  |  |
| a.  | 3 ½ ×35sqmm  | 30 | Mtr. |  |  |
| b.  | 3 ½ ×95sqmm  | 45 | Mtr. |  |  |
| c.  | 3 ½ ×185sqmm   | 25 | Mtr. |  |  |
| 10. | Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1KV grade as required.     |    |      |  |  |
| a.  | 3 ½ ×95sqmm  | 02 | Job  |  |  |
| b.  | 3 ½ ×150sqmm   | 03 | Job  |  |  |
| c.  | 3 ½ ×185sqmm   | 02 | Job  |  |  |
| d.  | 3 ½ ×240sqmm   | 02 | Job  |  |  |
| 11. | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor cable of 1.1KV grade as required.                                      |    |      |  |  |
| a.  | 3½ ×95sqmm   | 04 | Nos. |  |  |
| b.  | 3½ ×120sqmm  | 04 | Nos. |  |  |

|    |              |    |      |  |            |
|----|--------------|----|------|--|------------|
| c. | 3½ × 185sqmm | 06 | Nos. |  |            |
| d. | 3½ × 240sqmm | 06 | Nos. |  |            |
| e. | 3½ × 300sqmm | 03 | Nos. |  |            |
|    | <b>Total</b> |    |      |  | <b>Rs.</b> |
|    |              |    |      |  |            |

**Chairman, BAC**

**Signature with Seal of contractor**