



**SINDH
MADRESSATUL ISLAM
UNIVERSITY KARACHI**
CHARTERED BY GOVERNMENT OF SINDH, RECOGNIZED BY HEC.

BILL OF QUANTITIES TALPUR HOUSE 2014
Electrical and Communication Work of Talpur House
Phase-III.

**PLANNING &
DEVELOPMENT
DEPARTMENT**

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ENGINEERING & SERVICES

SINDH MADRESSATUL ISLAM
UNIVERSITY

Aiwan-e-Tijarat Road, Shakra-e-
Liaquat, Karachi-74000, Pakistan

Tel : 021-99217501-02-03

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Bill Of Quantities Talpur House

Date: 14-04-2014

S.#	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELECTRICAL WORKS OF TALPUR HOUSE SMIU.				
A	<u>ELECTRICAL WIRING, CABLING AND LIGHTING WORKS.</u>				
1	WIRING & ELECTRICAL ACCESSORIES: A) Providing and laying Multi pin plug Clipsal Australia or Equivalent, and wiring 2×7/0.029 plus 1×2.5sqmm S/C PVC Std insulated wire Pakistan cables or Equivalent, appropriate size of good quality PVC Pipe/Channel duct Adamjee or equivalent, surface/concealed in ceiling, wall and floors complete all respect, from Multi pin plug points to Distribution Board with all general Electrification works. As approved by engineer.	190	Nos.		
2	B) Same as item A but wiring 2×3/0.029 plus 1×1.5sqmm S/C PVC Std insulated wire Pakistan cable or Equivalent, from fans/lights, Exhaust fan and bell point to switch Boards. As approved by engineer.	380	Nos.		
3	C) Same as item A but wiring 2×3/0.029 plus 1×1.5sqmm S/C PVC Std insulated wire Pakistan cable or Equivalent, from point to point. As approved by engineer.	245	Nos.		
4	D) Same as item A but wiring 2×7/0.029 plus 1×1.5sqmm S/C PVC Std insulated wire Pakistan cable or approved equivalent from switch Boards to DB. As approved by engineer.	75	Nos.		
5	E) Same as item A but 3pin Power Plug Socket 15A, Clipsal Australia or approved equivalent, and wiring 2×7/0.036 plus 1×2.5sqmm S/C PVC Std insulated wire Pakistan cable or equivalent, from power plug to Main A.Cs Power DB. As approved by engineer.	40	Nos.		
6	F) Providing and installation Wiring 2×7/0.36 plus 1× 4sqmm S/C PVC Std insulated wire Pakistan cable or equivalent, good quality PVC Channel duct 60×40mm Adamjee or equivalent, surface/ concealed in ceiling, wall and floors complete all respect, from already installed sub DBs to room DBs. As approved by engineer.	35	Nos.		

7	<p><u>MAIN DISTRIBUTION BOARD A.Cs POWER:</u> providing and installation , testing & Cable termination of the following distribution board made of MS sheet 16Gauge powder coated double door with panel lock, Panel size 22''×18''×6'' surface/ concealed, complete in all respect, Approve by engineer.</p> <p>INCOMING; 1×100Amp. TP Terasaki Japan or equivalent, MCCB, 25K with phase indication Lights (R, Y, B).</p> <p>OUTGOING; 15×20Amp. S/P MCB Hager France or equivalent.</p>	06	Nos.		
8	<p><u>WALL/FALSE CEILING DOWN LIGHTS FITTING:</u> Providing & installation of Wall with reflector/false ceiling down lights, 5'' Philips or approved equivalent, with energy saver (Day cool/ warm lights) 24w Philips or approved equivalent, complete all respect with above mention wiring work. As approved by engineer.</p>	480	Nos.		
	<p>PROVIDING & INSTALLATION OF THE FOLLOWING ELECTRICAL ACCESSORIES WITH PVC BACK BOXES.</p>				
9	<p>A) 3 Gang switch plates Clipsal Australia or Equivalent. As approved by engineer.</p>	15	Nos.		
10	<p>B) 4 Gang Switch Plates Clipsal Australia or Equivalent. As approved by engineer.</p>	20	Nos.		
11	<p>C) 5 Gang Switch Plates Clipsal Australia or Equivalent. As approved by engineer.</p>	25	Nos.		
12	<p>D) 8 Gang Switch Plates Clipsal Australia or Equivalent. As approved by engineer.</p>	15	Nos.		
13	<p>E) Bell push Switch Plate Clipsal Australia or Equivalent. As approved by engineer.</p>	05	Nos.		
14	<p><u>CEILING FANS;</u> Dismantling of ceiling fans, already installed, after repair maintenance (change Bearings, fan hanging Rod 4ft, services, and re-winding if required and color, re-installed the ceiling fans. As per instruction Engineering Incharge.</p>	70	Nos.		
15	<p><u>EXHAUST FANS;</u> Providing and installation of exhaust fan 12'' 220V, Royal/Pak fan or equivalent, copper winding, complete all respect including civil work for ready to operate.</p>	14	Nos.		
16	<p><u>ELECTRIC LOAD BALANCE;</u> Perform Electrical power Load Balancing of all already installed Electrical Panels/DBs. As per instruction Engineering Incharge.</p>	01	Job		
17	<p><u>REMOVING LOOSE WIRING;</u> Dismantling all rooms/ corridors already installed cable/wiring and re-installed wiring in good quality appropriate size of PVC Pipe/Channel duct Adamjee or Equivalent. As per instruction Engineering Incharge.</p>	01	Job		

18	<u>Main Cable Tray:</u> Providing & fixing with angle iron breet of cable tray made of MS sheet 16 gauge powder coated, perforated, size, 6''×4'' with cover, from Talpur house to substation. As approved by engineer.	330	Rft		
19	<u>MAIN CABLES JOINT:</u> Providing & Making Cables Joint, of following sizes, with proper complete cable jointing kits, (Ferrule, HT tape 3M, Shrink tube, Jacket tube), As approved by engineer. a- 2×95mm, 4core b- 1×50mm, 4core	03	Nos.		
20	<u>MAIN CABLE:</u> Providing & laying, approved quality Pakistan cable or approved equivalent, PVC/PVC Insulated 95sqmm×4core, standard, plus 1×16sqmm, from sub-station to Talpur house, termination, testing & commissioning of the cable. As approved by engineer.	165	Rft		
21	<u>MAIN CABLE:</u> Providing & laying, approved quality Pakistan cable or Equivalent, PVC/PVC Insulated 50sqmm×4core, standard, plus 1×16sqmm, from Main LT Panel to Sub DBs, termination, testing & commissioning of the cable. As approved by engineer.	70	Rft		
22	<u>MAIN CABLE RE-PULLING:</u> Dismantling and Re-pulling, PVC/PVC Insulated 50sqmm×4core, from Main Building to LT Panel sub-station, and re-installed from sub-station to Main Library. As per instruction Engineering Incharge.	165	Rft		
23	<u>MAIN CABLE RE-PULLING:</u> Dismantling and Re-pulling, PVC/PVC Insulated 95sqmm×4core, from Main Building to LT Panel sub-station, and re-installed from sub-station to Talpur house, As per instruction Engineering Incharge.	165	Rft		
24	<u>DISMANTLING OVER HEAD WIRING:</u> Dismantling already installed all over head wiring GI pipe fitting and accessories of over head wiring from PMT to Talpur house.	01	Job		
B	<u>EARTHING WORK.</u>				
25	<u>EARTHING PIT:</u> Providing making earth pit, bore type, 40ft deep, 10'×1'' 99.99% pure copper rod, chemical filling (4 bags each EP), 20ft UPVC pipe 3''dia, provide and install earth testing point MS powder coated box (size 16''×12'') including tin coated copper bus bar 40×350mm, make earth pit chamber. Providing and install Pvc earth cable s/c 2×50mm, Pakistan cable or equivalent, from Copper rod (earth bore) to testing point, Testing and providing earth point test report. As instruction/approved by Engineering Incharge.	02	Nos.		
26	<u>EARTH CABLE:</u> Providing and installation of earth cable 16mm S/C Pakistan cable or approved equivalent on good quality channel duct Adamjee or approved equivalent, from earth test point to already installed Main/sub DBs. As approved by Engineer.	Rft	1800		

C	<u>COMMUNICATION WORK,(INTERCOM)</u>																																									
27	<u>UPVC PIPE;</u> Providing and installation of 40mm dia UPVC conduit pipe/cable duct Adamjee or equivalent, with accessories, embedded in floor(underground)/wall including G.I wire for pulling of cable. As approved by Engineering Incharge.	750	Rft																																							
28	<u>UTP CABLE;</u> Providing and installation of 15pairs 0.6mm Cat 5 UTP cable shielded, Clipsal, 3M, or approved equivalent in already laid, UPVC conduit, from main building to talpur house, As approved by Engineering Incharge.	750	Rft																																							
29	<u>UPT CABLE;</u> Providing and installation of 2 and 3 pairs 0.6mm Cat 5 UTP cable Clipsal, 3M, or equivalent, in appropriate size of good quality PVC Channel duct Adamjee or equivalent, from main TDB to room/offices, As approved by Engineering Incharge.	12	Nos.																																							
30	<u>TELEPHONE OUTLET;</u> Providing and installation of single RJ 45 telephone outlet Clipsal or approved equivalent, including steel back boxes, complete all respect. As approved by Engineering Incharge.	12	Nos.																																							
31	<u>INTERCOM SETS;</u> Providing, installation, testing and commissioning of intercom set, Siemens, euroset 2005, or equivalent, complete all respect for ready to operate. As approved by Engineering Incharge.	12	Nos.																																							
D	<u>PROVIDING AND INSTALLATION OF AUTOMATIC POWER FACTOR IMPROVEMENT PLANT.</u>																																									
32	<p><u>POWER FACTOR IMPROVEMENT PLANT;</u> Providing, testing, cable termination and installation of 6 steps, 185KVAR power factor improvement plant, Sun Beam Engineering or approved equivalent, Indoor type panel, floor mounted, Analog Amp and Volt Meters selector switches, providing control circuit diagram, fabricated MS sheet 1.5mm thick, powder coated with angle iron stand as following specification;</p> <table border="0"> <tr> <td>PFI Relay 6 Stage</td> <td>Nokian or Equivalent</td> </tr> <tr> <td>TP MCCB 1×400A 25KA Adjustable</td> <td>Terasaki Japan or equivalent.</td> </tr> <tr> <td>TP MCCB 2×125A 25KA</td> <td>Terasaki Japan or equivalent.</td> </tr> <tr> <td>TP MCCB 3×63A 25KA</td> <td>Terasaki Japan or equivalent.</td> </tr> <tr> <td>TP MCCB 1×32A 25KA</td> <td>Terasaki Japan or equivalent.</td> </tr> <tr> <td>TP Contactor for 2×50kvar</td> <td>Schneider or equivalent.</td> </tr> <tr> <td>TP Contactor for 2×25kvar</td> <td>Schneider or equivalent.</td> </tr> <tr> <td>TP Contactor for 2×12.5kvar</td> <td>Schneider or equivalent.</td> </tr> <tr> <td>Power Capacitor 50KVAR IEC 947-2 at 400V.</td> <td>Nokian or equivalent.</td> </tr> <tr> <td>Power Capacitor 25KVAR IEC 947-2 at 400V.</td> <td>Nokian or equivalent.</td> </tr> <tr> <td>Power Capacitor 12.5KVAR IEC 947-2 at 400V.</td> <td>Nokian or equivalent.</td> </tr> <tr> <td>CTs 400/5 4nos.</td> <td>Complee or equivalent.</td> </tr> <tr> <td>HOA Switch</td> <td>K&N or equivalent.</td> </tr> <tr> <td>ON/OFF Push Button</td> <td>Telemechanique or equivalent.</td> </tr> <tr> <td>ON/OFF Indication Lights</td> <td>LED type Telemechanique or Equivalent.</td> </tr> <tr> <td>Control Fuse with Base</td> <td>Legrand/ETI or equivalent.</td> </tr> <tr> <td>SP MCB 6Amp.</td> <td>Hager France or equivalent.</td> </tr> <tr> <td>Exhaust Fan 8’’×8’’</td> <td></td> </tr> <tr> <td>Louver</td> <td></td> </tr> </table>	PFI Relay 6 Stage	Nokian or Equivalent	TP MCCB 1×400A 25KA Adjustable	Terasaki Japan or equivalent.	TP MCCB 2×125A 25KA	Terasaki Japan or equivalent.	TP MCCB 3×63A 25KA	Terasaki Japan or equivalent.	TP MCCB 1×32A 25KA	Terasaki Japan or equivalent.	TP Contactor for 2×50kvar	Schneider or equivalent.	TP Contactor for 2×25kvar	Schneider or equivalent.	TP Contactor for 2×12.5kvar	Schneider or equivalent.	Power Capacitor 50KVAR IEC 947-2 at 400V.	Nokian or equivalent.	Power Capacitor 25KVAR IEC 947-2 at 400V.	Nokian or equivalent.	Power Capacitor 12.5KVAR IEC 947-2 at 400V.	Nokian or equivalent.	CTs 400/5 4nos.	Complee or equivalent.	HOA Switch	K&N or equivalent.	ON/OFF Push Button	Telemechanique or equivalent.	ON/OFF Indication Lights	LED type Telemechanique or Equivalent.	Control Fuse with Base	Legrand/ETI or equivalent.	SP MCB 6Amp.	Hager France or equivalent.	Exhaust Fan 8’’×8’’		Louver		01	Nos.	
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(Rupees _____)

Tender opened by:

Chairman Tender Committee
Sindh Madressatul Islam University Karachi.

Signature of Contractor with seal _____

Name (Contact Person): _____

Address: _____

Ph: _____ Cell: _____

Dated: _____



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Aiwan-e-Tijarat Road, Karachi

TENDER - 2014

Tender document of

**Electrical And Communication Work of Talpur House
Phase-III**

**PLANNING &
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FORM OF BID

(LETTER OF OFFER)

Bid Reference No. _____

(Name of Works)

To: _____

Gentlemen,

1. Having examined the Bidding Documents including Bidding Data, terms & Conditions of Contract, Contract Data, Specifications, Drawings, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named Works, we, the undersigned, being a company doing business under the name of and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such Works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Bid is accepted, to execute the Performance Security referred to in Conditions of Contract for the due performance of the Contract.
8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

Dated this _____ day of _____, 20

Signature _____

in the capacity of _____duly authorized to sign bid for and on behalf of

(Name of Bidder in Block Capitals)

(Seal)

Address _____

Witness:

(Signature) _____

Name: _____

Address: _____



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The standard forms of bidding documents

TERMS AND CONDITIONS FOR THE ELIGIBILITY

ELECTRICAL AND COMMUNICATION WORK OF TALPUR HOUSE AT SMIU

- 1 Price to be quoted on **Pak Rupee on free home delivery (F.O.R.)** basis for all items including all expenses, taxes, documentation etc.
- 2 Documentary evidence of works executed/work in-progress and certificate of satisfactory completion of works in Govt. Department or any organization.
- 3 Certificate of Bank and Bank statement of the A/c No.
- 4 Registration with Income Tax Department (NTN certificates), Sindh Board of Revenue and copy of CNIC of the contractor.
- 5 Affidavit to the effect that contractor is not black listed.
- 6 The Contractor/Supply should be made in the shortest possible time as per requirement of the University.
- 7 An agreement shall be made on stamp paper between the contractor/supplier and **Sindh Madressatul Islam (SMI) University, Karachi** prior to placing supply / work order.
- 8 Advance payment will not be allowed.
- 9 Payment shall be made by crossed cheque upon submission of bill in duplicate and on verification of the quality & satisfactory report of the **Electrical Engineer/ Executive Engineer**, concerned / Purchase & Procurement Committee expert representative of the purchase & Procurement Committee and on completion of all formalities.
- 10 The Supplier / Contractor shall be bound to rectify the defect of the all supplied Items **up to 12 months** from the date of payment of final bill failing which the earnest money shall become liable to be forfeited.
- 11 The University authorities reserve the right to fully or partially, change / forgo the requirement of any item / work and / or amend the specifications & quantity at any stage before award of the contract.
- 12 The University may reject any or all bids subject to the relevant provisions in **SPPRA Rules 2010**.
- 13 **10% Performance Security** will be submitted by the Contractor/supplier at the time of Agreement in the shape of Pay order, schedule bank guarantee, or it may be deducted from bill for payment. The amount will be released after 06 months (Defect liability period), on the issuance of defect liability certificate by Engineering and department or the concerned department.
- 14 All those contractors/firm are eligible to apply who has prior work experience of related nature of job.

- 15 The earnest money at the rate of **2%** in the shape of Pay order/demand draft in the favor of **Sindh Madressatul Islam University** from any scheduled bank should be attached with the tenders. In case earnest money not accompanied with tender will be not entertained.
- 16 Bids must be offered on the prescribed tender form issued by **Executive Engineer (Civil) Sindh Madressatul Islam University Karachi**.
- 17 In case of any holiday or any disturbance the tender will be opened on next working day as per schedule.
- 18 Quantity shown in the tender are approximate and no claim shall be entertained for quantity of work executed being **15%** more or less than those entered in the tender or estimate.
- 19 No compensation shall be allowed for any delay in execution of the work.
- 20 All work executed under the control & shall be executed under the directions of **Electrical Engineer of Sindh Madressatul Islam University Karachi**.
- 21 Supplier/Contractor is responsible to pay the **GST** as levied in accordance with the government General Sales.
- 22 Income tax will be deducted at the source.
- 23 Site visit observe timing from 02:00 pm to 04:00 pm.
- 24 The tender awarded party shall ensure to submit the original invoice and delivery challan in favor of the Sindh Madressatul Islam University at the time of supply of materials.
- 25 The tender lowest quote shall be informed accordingly in written and the party shall also be asked to supply/the material in the specified time period which shall be mentioned in the letter or otherwise if the party fail to complete the any clause of term & condition the tender shall be rejected and the second lowest quote shall awarded said tender.
- 26 The tender awarded party shall also observed the instruction mention in the tender documents and supply the material genuine, original made of country, under standard/sub-standard material shall not be accepted at any cost.
- 27 Testing of cable copper purity/verification of any other test performed by the independent party, the contractor/tender awarded party will be responsible of all expensive.

Executive Engineer (Civil)
SMIU, Karachi



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SMIU/E&S/2014/TENDER

14th April, 2014

TENDER DOCUMENTS

Sealed tenders will be opened on 28 April 2014:

ELECTRICAL AND COMMUNICATION WORK OF TALPUR HOUSE AT SMIU.

As per details contained in the Separate Tender Documents for job

1. Sealed Tenders are to be submitted in duplicate by reputed firms/contractors registered with P.E.C, Licence, and Sindh board of revenue, Sales Tax Department on the prescribed tender form and in accordance with the specification and terms & conditions laid down in the tender document.
2. The tender documents can be obtained from the office of the **Executive Engineer (Civil) Sindh Madressatul Islam University** against a written request on deposition of tender fees **Rs. 500/=** in the form of Pay Order / Demand Draft in the favor of **Sindh Madressatul Islam University on any working day** from the office of the Executive Engineer civil by submitting an application on company's letterhead along with tender fee and complete profile of firm from 14 April 2014 to 28 April 2014.
3. The tender duly completed and addressed to the **Chairman Tender Committee SMIU, Karachi** be dropped in the Tender Box placed in the **office SMIU, Karachi, on 28/04/ 2014 up to 1300 hours, which shall be opened on the same day at 14:30 Hours in presence of the bidders who may wish to be presented.** In case of any unforeseen circumstances the Tender will be opened on the next day at the same time and place.
4. The University reserves the rights to accept or reject any or all tenders, divided business amongst more than one bidder and extend the opening date assigning reason thereof will communicate the ground for rejection of bid/bids/tender on written request of bidder who submitted bid as per **PPRA / SPPRA Rules 2010.**
5. Tender be purchased and submitted as per specification mentioned in the Tender Documents.

Executive Engineer (Civil)

SMIU Karachi