



Project Management Unit (PMU)  
Reforms Wing & Special Cell  
Board of Revenue  
Government of Sindh

**“SUPPLY & INSTALLATION OF TRANSFORMER AND ALLIED  
SERVICES FOR DISASTER RECOVERY CENTER ESTABLISHED AT THE  
BUILDING OF BOARD OF REVENUE HYDERABAD”**

July, 2015

**N.B**

*The bidder is expected to examine the Bidding Documents, including all instructions, forms, terms, specifications and charts/drawings. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.*



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## Definitions

In this Contract, the following terms shall be interpreted as indicated:

"Bid" means a tender, or an offer by a person, consultant, firm, company or an organization expressing willingness to undertake a specified task at a price, in response to an invitation by a Procuring Agency.

"Bid with Lowest Evaluated Cost" means the bid quoting lowest cost amongst all those bids evaluated to be substantially responsive.

"Bidder" means a person or entity submitting a bid.

"Bidding Documents" means all documents provided to the interested bidders to facilitate them in preparation of their bids in uniform manner.

"Bidding Process" means the procurement procedure under which sealed bids are invited, received, opened, examined and evaluated for the purpose of awarding a contract.

"Contract" means the agreement entered into between the Purchaser and the Contractor, as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.

"Contract Price" means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.

"Contractor" means the individual or firm whose bid has been accepted by the Purchaser and the legal successors, in title to the Contractor.

"Contract Value" means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract, which is properly apportionable to the Software or Services in question.

"Goods" means articles and object of every kind and description including raw materials, drugs and medicines, products, equipments, hardware, machinery, spares and commodities in any form, including solid, liquid and gaseous form, and includes services identical to installation, transport, maintenance and similar obligations related to the supply of goods, if the value of these services does not exceed the value of such goods.

"Government" means the Government of Sindh.

"Procurement Proceedings" means all procedures relating to public procurement, starting from solicitation of bids up to award of contract.



**"Procuring Agency"** means Project Management Unit, Reforms Wing & Special Cell, Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh.

**"Supplier"** means a person, firm, company or an organization that undertakes to supply goods and services related thereto, other than consulting services, required for the contract.

**"Services"** means services, such as testing, training and other such obligations of the Contractor covered under the Contract.

**"Works"** means all items mentioned in BOQ to be provided and services to be rendered & work to be done by the Contractor under the Contract.



## Invitation to Bid

Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh (hereinafter referred to as Purchaser), invites sealed bids from eligible bidders for **"SUPPLY & INSTALLATION OF TRANSFORMER AND ALLIED SERVICES FOR DISASTER RECOVERY CENTER ESTABLISHED AT THE BUILDING OF BOARD OF REVENUE HYDERABAD"** under the scheme LARMIS of Board of Revenue, Sindh.

1. Tender Bids in sealed envelope as per information are required. Proponents applying for bids should submit one single envelope containing the technical & financial proposal. The interested bidder must have valid NTN, GST & PST (SRB) and PEC Registration Certificates. Only Registered Income Tax, Sales Tax & Provincial Sales Tax (PST) registered firms are eligible to participate.
2. The bidder must quote for the complete specification. The uncompleted bid will be rejected as non-responsive.
3. The bidder must bid for the complete package. Bidding for individual items will be rejected as non-responsive.
4. All bids received will be opened and evaluated in the manner prescribed in the evaluation criteria of bidding document.
5. Interested eligible bidders may obtain further information on the bid and collect the bidding documents from the office of Project Director, Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi, Tel: +92-21-99251367-68 / Fax: +92-21-35305586 from **27<sup>th</sup> July 2015** during office Hours, i.e. from 9:00 am to 5:00 pm on payment of document fee of Rs. 2,000/- in the form of Pay order/Demand Draft in favour of Project Director PMU, Board of Revenue, Sindh till **12:30 PM on Wednesday 12<sup>th</sup> August 2015**. The bidding document can also be downloaded from the website of SPPRA or the website of PMU, BOR, i.e. [sindharmis.gos.pk](http://sindharmis.gos.pk), in which case document fee may be submitted alongwith the bid. Only the bids submitted with the document fee will be considered as eligible for participating in the bidding process.
6. All bids must be accompanied by an earnest money/bid security of two percent (2%) of total bid amount, in the form of 'pay order', 'demand draft' or 'bank guarantee' in the name of Project Director PMU, Board of Revenue, Sindh, and must be accompanied with the bid in a separate sealed envelope marked as "Earnest Money/Bid Security". Bid without earnest money/bid security of required amount and prescribed form shall be rejected.
7. Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.



8. The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.
9. The Procuring Agency shall have right of rejecting all or any of the tenders as per SPPR 2010.
10. All quoted prices must include all applicable taxes, such as General Sales Tax, Income Tax, Provincial Sales Tax (PST) and/or etc. If not specifically mentioned in the bid, then it will be presumed that the prices include all the taxes. Purchaser will not be responsible and would not pay any additional amount in case of changing in tax rate by the Government of Sindh or Government of Pakistan.
11. Rights and obligations of the procuring agency and the consultant shall be governed by General and Special conditions of contract signed between the procuring agency and the consultant.
12. Execution/installation of all the components of the bid may be at Purchaser's or any remote offices located at other areas or as per the decision of Purchaser at the time of deployment.
13. The following shall result in blacklisting of suppliers, contractors, or consultants, individually or collectively as part of consortium:
- (a) conviction for fraud, corruption, criminal misappropriation, theft, forgery, bribery or any other criminal offence;
  - (b) involvement in corrupt and fraudulent practices while obtaining or attempting to obtain a procurement contract;
  - (c) final decision by a court or tribunal of competent jurisdiction that the contractor or supplier is guilty of tax evasion;
  - (d) willful failure to perform in accordance with the terms of one or more than one contract;
  - (e) failure to remedy underperforming contracts, as identified by the procuring agency, where underperforming is due to the fault of the contractor, supplier or consultant.
14. Failure to complete the contract within the stipulated time period will invoke penalty of 0.025% of the total cost per day. In addition to that, Performance Guarantee (CDR) amount will be forfeited and the company will not be allowed to participate in future tenders as well.
15. An interested bidder, who has obtained bidding documents, may request for clarification of contents of the bidding document in writing, and procuring agency shall respond to such queries in writing within three calendar days, provided they are received at least five calendar days prior to the date of opening of bid.

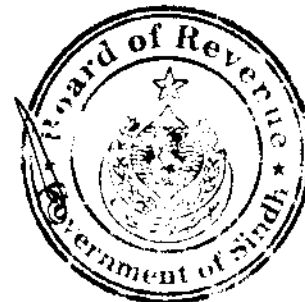
-sd/-

**Project Director  
Board of Revenue  
Government of Sindh**



## General Terms & Conditions

- Bids not confirming to the terms, conditions and specifications stipulated in this RFP will be rejected.
- Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh invites this tender under **single stage - one envelope procedure, under SPPR 2010.**
- Proposal after due date and time will not be accepted for any reason. Proposals must not be sent by Facsimile or e-mail. Such submissions will not be accepted for any reason.
- Bid / Proposal shall comprise one single envelope containing the technical & financial proposal and required information mentioned below:
  - (i) relevant experience; (ii) turn-over of at least last three years; (iii) registration with Income Tax, Sales Tax & Provincial Sales Tax (SRB) (iv) Registration with Pakistan Engineering Council
- The bidder must bid for the complete package. Bidding for individual items will be rejected as non-responsive.
- All bids received will be opened and evaluated in the manner prescribed in the evaluation criteria of bidding document.
  - (i) **Bid Security**
    - All bids must be accompanied by an earnest money/bid security of two percent (2%) of total bid amount, in the form of 'pay order', 'demand draft' or 'bank guarantee' in the name of Project Director PMU, Board of Revenue, Sindh, and must be accompanied with the bid in a separate sealed envelope marked as "Earnest Money/Bid Security". Bid without earnest money/bid security of required amount and prescribed form shall be rejected.
    - The bid security of the unsuccessful bidder will be released by PMU BOR after award of work or after expiry of bid validity period whereas the bid security money of successful bidder will be released after the submission of performance security equivalent to 5% of contract price.
    - The performance security of the successful bidder will be released after issuance of successful completion certificate by the Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh.



- All/any terms and conditions not specified here shall be dealt with reference to pertinent SPPRA rules 2010.

**(ii) Validity of the proposal**

- All proposal and price shall remain valid for a period of 90 days from the closing date of the submission of the proposal. However, the responding organization is encouraged to state a longer period of validity for the proposal.

**(iii) Currency**

- All currency in the proposal shall be quoted in Pakistani Rupees (PKR). The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

**(iv) Withholding Tax, Sales Tax and other Taxes**

- The responding organization is hereby informed that the Government shall deduct tax at the rate prescribed under the tax laws of Pakistan, from all payments for services rendered by any responding organization who signs a contract with the Government. The responding organization will be responsible for all taxes on transactions and/or income, which may be levied by government. If responding organization is exempted from any specific taxes, then it is requested to provide the relevant documents with the proposal.

**(v) OEM relationships**

- The support and Maintenance should be supplied through verifiable distribution channel in Pakistan.
- The responding organization (RO) or one of the Joint Bidding Company to be authorized Partner/ Reseller, OF THE ORIGINAL MANUFACTURER.

**(vi) Compliance to Specifications**

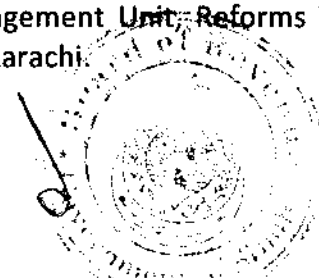
- The Responding Organization (RO) to provide information as per (Compliance sheet). RO may not propose any kind of refurbished equipment / Hardware / components in their technical proposals.

**(vii) Financial Capabilities**

- The RO(s) shall describe the financial position of its organization. Income Statement or Report should be included in the detailed Technical proposal.

**(viii) Penalty Clause**

- It is utmost importance that schedule to tender should be filled in very carefully and the instructions set forth above, scrupulously complied with failing which the offer will be ignored. In case of non-completion of supply within stipulated period Earnest Money will be forfeited in favor of the Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, Karachi.





- An affidavit that the firm has not been entangled in litigation with any client during the last 5 years.
- An affidavit that the firm has never been blacklisted by any Government Department.
- Liquidated damages of 0.025% per day of the contract price per day will be deducted for delayed delivery of goods and services.

**(ix) Support Capabilities**

Responding organization should indicate the support capabilities for the provided equipment and hardware in the following format:

	Item	Action Item	Maximum Response Time
1	Electrical Supplies	Repair	01 Week
		Re-Configuration	2 Working Days

**The technical offer must be submitted (in duplicate) with the following documents**

1. Company Profile with complete address, telephone No. Fax. No. and e-mail address and contact person.
  2. Letter or Agreement of Authorized Partner from the principal or Distributor of this region to install, integrate and operate such systems.
  3. Partnership / Reseller letter or agreement copy which authorize Bidder to sell or market the proposed hardware products in Pakistan.
  4. Details of Installed Infrastructure if available at Bidders office for Online Backup support.
  5. Hot Spare or Back-up Units Details (for this Project).
  6. Drawings, operational manuals and brochures of the products and services offered.
  7. Complete schedule of supply, installation, testing and commissioning is to be provided.
  8. Ability to provide after sales support.
- Final selection shall be based on the assessment of Technical and Financial proposals.
  - Authenticated Financial Statements of last three years should also be submitted with Technical Proposals.



### **Selection Criteria**

Single stage one-envelope procedure will be used for the final selection of the vendor for the supply, installation and commissioning of the purchased furniture and hardware. Bid / Proposal shall comprise one single envelope containing the technical & financial proposal and required information mentioned in General Terms & Conditions. All bids received will be opened and evaluated in the manner prescribed in the evaluation criteria of bidding document.

### **Instructions for Responding Organizations**

#### **Communication**

Enquiries regarding this RFP shall be submitted in writing/email to:

Project Director, Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi, Tel: +92-21-99251367-68 / Fax: +92-21-35305586.

#### **Mode of Delivery and Address**

Proposal should be submitted on or before **Wednesday 12<sup>th</sup> August 2015 at 02:00 PM** at the address given below:

***Project Director, Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi.  
Tel: +92-21-99251367-68 / Fax: +92-21-35305586.***

Proposals shall be delivered by hand or courier so as to reach the address given above by the last date indicated for submission. **PROPOSALS RECEIVED BY FAX OR EMAIL SHALL NOT BE ACCEPTED.**

#### **Submission of Proposal**

The bidder must bid for at least one complete package. Bidding for individual items from packages will be rejected as non-responsive. Proposals can be submitted on or before **Wednesday 12<sup>th</sup> August 2015 at 02:00 PM** at the office of Project Director, Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi, Tel: +92-21-99251367-68 / Fax: +92-21-35305586. Bid / Proposal shall comprise one single envelope containing the technical & financial proposal and required information mentioned in General Terms & Conditions. All bids received will be opened and evaluated in the manner prescribed in the evaluation criteria of bidding document.

The Bank Draft for Bid Bond to be enclosed in a separate envelope, labeled as "Bank Draft/Earnest Money (Bid Bond)", and which should be sealed. Proof of Sales Tax and NTN numbers should also be provided. (Please provide photocopies of all relevant documents).

#### **Opening of Proposals**

The proposals submitted against the subject RFP will be opened by the Procurement Committee of PMU, Board of Revenue, Sindh on **Wednesday 12<sup>th</sup> August 2015 at 02:30 PM** in the Committee room of Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of



Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi, Tel: +92-21-99251367-68 / Fax: +92-21-35305586 in presence of all the bidders, or their representatives, who may choose to be present.

**Evaluation and Comparison of Technical and Financial Bids**

Bid / Proposal shall comprise one single envelope containing the technical & financial proposal and required information mentioned in General Terms & Conditions. All bids received will be opened and evaluated in the manner prescribed in the evaluation criteria of bidding document.

**Basis of Evaluation and Comparison of Bid**

The bidders meeting the following criteria will be eligible for consideration of financial bid against the tender.

S.No.	Criteria	Compliant	Non-Compliant
1	05 Year in relevant Business (Attach certificate of incorporation)		
2	Authorization letter from principal/partner or authorized distributor		
3	Average turnover of 50 million in Business during last 3 years (attach audited financial statements)		
4	Completed at least 03 projects of Supply, Installation and Commissioning of Electrical/Power Equipment's along with Allied Services and support & maintenance (attach successful completion certificate)		
5	ISO 9001 or equivalent certification (attach valid certificate)		
6	Having certified PEC Electrical Engineers (at least 02) on company payroll for at least last 02 years proposed for this project (attach certificates and payroll)		
7	Compliance of proposed delivery schedule as per requirement (attach affidavit on stamp paper)		
8	Bid quoted for complete package		
9	Bid Security @ 2% submitted in prescribed form		
10	Registration with NTN, GST, PST and PEC in relevant category		

**Preliminary Evaluation Checklist**

The Bidder should fill out this Form by providing all the required information and Placing this Form on top of the Technical Proposal. Relevant portions of the Technical Proposal should be referenced in this form. Please note that all required information should be provided on this Form and no document should be attached.



## **Information Required**

### **a) General**

- 1 Name of Bidder or Group of companies going into bid.
- 2 No of Years in business in Pakistan
- 3 No of Offices locations in Pakistan
- 4 Annual Turnover (Million Rs.)
- 5 Value of projects in hand (details may be given)
- 6 Year of Incorporation
- 7 Status of the Bidder
  - Sole Proprietor
  - Partnership Firm
  - Private Limited Company
  - Public Limited Company
  - Entity registered / incorporated outside Pakistan (Give details)
  - Other (Please specify)
- 8 Names of Owner / Partners / Chief Executive / Directors
- 9 Details of Registered Head Office (Address, Phone, Facsimile, Email and Website information)

### **b) Details of total staff employed**

- 1 No of permanent staff employed: Technical /Managerial
- 2 Cumulative Experience (in years)
- 3 Total No. of Support professionals in Technical Domain
- 4 Total No. of Staff assigned for the proposed project.

### **c) Support Capabilities**

- 1 Experience in Support area
- 2 No. of Staff employed: (Capable of providing Support)
- 3 Cumulative Experience (in years)
- 4 List of Customers of "Support" along with contact details.
- 5 Installation and Configuration will be the responsibility of the successful Bidder.
- 6 Bidder should have backup equipment to provide sufficient services.

### **d) Joint Ventures**

Bids submitted by a joint venture of two or more companies or partners shall comply with the following requirements:

- a) The Bid, and in case of successful Bid, the Contract form, shall be signed by the lead bidder duly nominated by all the JV partners;
- b) One of the partners shall be authorized to be Incharge; and this authority shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the partners;
- c) The partner Incharge shall be authorized to incur liabilities, receive payments and receive instructions for and on behalf of any or all partners of the joint venture;
- d) all partners of the joint venture shall be liable jointly and severally for the executing of the Contract in accordance with the Contract terms, and a



relevant statement to this effect shall be included in the authorization mentioned under (b) above as well as in the Bid Form and the Form of Agreement (in case of a successful Bid); and

- e) The JV Agreement for this project entered into by the joint venture partners on stamp paper duly attested by Notary Public shall be submitted with the Bid.

#### **Special Instructions**

- Incomplete applications will not be considered.
- Any firm, which furnishes wrong information, will be liable for legal proceeding and if any contract is awarded, the same will be cancelled.
- Board of Revenue reserves the right to accept or reject any or all proposals without assigning any reason thereof.
- Authority Letter or Agreement from Principal Company or its Distributor for product and vendor authentication.
- The tender must be filled on prescribed form without any alteration/over writing.
- Conditional tenders/bids will not be acceptable.
- Board of Revenue reserves the right to increase or decrease the scope of work / number of items without assigning any reason.
- Only companies registered with Sales Tax and Income Tax Departments shall be eligible to participate in the tender (proof of registration is required).
- Every page of this tender document should be signed and sealed by the bidder.

#### **Contacting the Purchaser**

Any effort by a bidder to influence the Purchaser in the Purchaser's decisions in respect of bid evaluation or Contract award will result in the rejection of the bidder's bid.

#### **Purchaser's Right to Accept the Bid or Reject the Bid**

The Purchaser reserves the right to accept or reject the bid and to annul the bidding process at any time prior to award of Contract, without thereby incurring any liability to the bidder or any obligation to inform the bidder of the grounds for the Purchaser's action as per SPP Rules, 2010.



**Scope of Work**

Project Management Unit, Reforms Wing & Special Cell is actively engaged in capacity building of Board of Revenue, Government of Sindh through number of project components, aimed at developing the standards and systems of Information & Communication Technology at the international industry levels.

Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, invites tender through National Competitive Bidding.

Contractor shall also be responsible to supply, install and commission one (01) 400 KVA transformer alongwith allied services details of which are given in the Bill of Quantities of this bidding document/RFP at Disaster Recovery Center established at the building of Board of Revenue Sindh at Hyderabad.

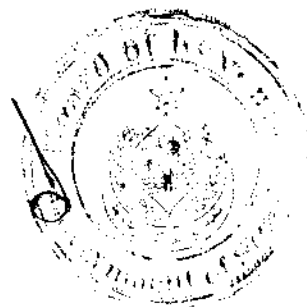
Vendor would be responsible to care and look after the electrical equipment & supplies. Penalty would be imposed on vendor to makeup the loss; in case of finding carelessness in equipment handling and misuse of the provided equipment.

Vendor shall be responsible for support and maintenance for a period of one year for electrical supplies/equipment.

Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh has right to terminate the contract if vendor will fail in providing satisfactory services, electrical equipment and all type of services in given scheduled time. In addition to that, Security Deposit (CDR) amount will be forfeited.

Any unforeseen requirement for the implementation and maintenance of the project would be core responsibility of vendor.

SLA, if required, will be signed after implementation according to the satisfactory progress of the vendor and as per criteria of Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh.



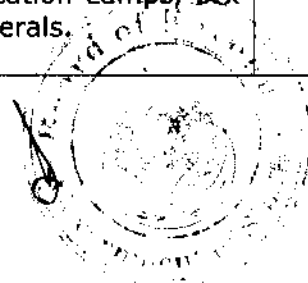
## BILL OF QUANTITY

### ALONG WITH DETAILED TECHNICAL SPECIFICATION

S.No.	Item	Unit	Qty
1.	<p><b>Transformer</b></p> <p>Complete oil filled three phase pole/pad mounted distribution transformer for installation on utility overhead systems and ground installation on concrete pads for residential, commercial and industrial applications. The high quality transformer is provided by the Contractor is in a capacity of 400 KVA.</p> <p>Features:</p> <ul style="list-style-type: none"><li>• Meets or exceeds current IEC, WAPDA, K-Electric or any other standards required by customer</li><li>• 50 Hz operation</li><li>• 50°C average winding rise</li><li>• MV BIL 95 KV</li><li>• LV BIL 2.5 KV</li><li>• Mild Steel (MS) (sealed type/conservator type for higher rating) tank (optional corrugated tank) with welded lifting lugs, support angles and base channels for pole mounting</li><li>• Mild steel MS Undercarriage with roller wheels</li><li>• Conservator Tank with silicagel breather</li><li>• Oil level gauge</li><li>• Oil filling plug</li><li>• Powder coating on state of the art automatic plant provides superior corrosion protection and is aesthetically pleasing to the eye</li><li>• Top cover mounted MV and LV porcelain bushings</li><li>• Tin plated brass terminals for connection to copper/aluminum conductors</li><li>• Tank ground provision through Earthing terminal</li><li>• Insulated cover for wildlife protection</li><li>• Engraved nameplate (rating and diagram)</li><li>• Insulating oil as per IEC60296 standard</li><li>• KVA rating on transformer</li><li>• Medium-voltage taps with external top cover mounted tap changer</li><li>• Protection from lightning through arcing horns (outdoor transformer)</li><li>• Explosion vent</li><li>• Drain valve</li><li>• Automatic pressure relief valve</li><li>• Connectors for grounding</li><li>• Conservator Tank with silicagel breather Oil/winding temperature indicator with contacts</li><li>• Magnetic oil level gauge with contacts</li><li>• Buchholz relay</li><li>• Stencils and labels according to customer requirements</li><li>• Cable end box for MV and LV bushings</li><li>• Low voltage wall mounted bushings and DGPT.</li></ul> <p>Tests:</p>	No	1



	<ul style="list-style-type: none"> <li>• All transformers are tested in strict accordance with WAPDA P10 standard following from IEC with test reports available by serial number.</li> <li>• Leak test</li> <li>• Polarity and Phase relation</li> <li>• Resistance</li> <li>• No-load losses and impedance</li> <li>• Exciting current</li> <li>• Induced voltage</li> <li>• Ratio test and Megger test and including all allied peripherals.</li> </ul>		
2.	<p><b>Power Factor Panel</b> The low voltage capacitor bank is a high quality power factor correction solution engineered to compensate reactive power and harmonic distortion. This is an easy and flexible solution that can immediately boost your facility's energy efficiency and productivity. Panel having capacity of 200 KVAR with 1 x Main Panel (Dimension: Width 700mm, Depth 600mm and Height 2200mm), 1 x Busbar (Busbar@1000amrs), 7 x Power Capacitor 30 KVAR, 7 x Magnetic Contactor for 30 KVAR, 1 x PFI Relay 6-step, 1 x Exhaust fan, 1 x Ventilation grid, 8 x Indication Lamps, 8 x Fuse Link, 8 x Fuse, 3 x HRC Fuse 125 Amps, 1 x HRC Fuse 80 Amps and including all allied peripherals.</p>	No	1
3.	<p><b>Main Distribution Board (Incoming)</b> Board having 1 x Board (Dimension: Width 700mm, Depth 600mm and Height 2200mm), 1 x Busbar (Busbar@800amrs), 1 x 630A TP MCCB 50 KA, 3 x 630/5A Current Transformers, 3 x Indication Lamps, 3 x Fuse Link, 3 x Fuse, 1 x Ammeter, 1 x voltmeter, 2 x Selector Switch and including all allied peripherals.</p>	No	1
4.	<p><b>Main Distribution Board (Outgoing)</b> Board having 3 x Board (Dimension 1: Width 700mm, Depth 600mm and Height 2200mm), (Dimension 2: Width 400mm, Depth 600mm and Height 2200mm) and (Dimension 3: Width 200mm, Depth 600mm and Height 2200mm), 1 x Busbar (Busbar@800amrs), 1 x 100A TP MCCB 50 KA, 1 x 200A TP MCCB 50 KA, 2 x 400A TP MCCB 50 KA and including all allied peripherals.</p>	No	1
5.	<p><b>Main Distribution Board</b> Board having 1 x Board (Dimension: Width 550mm, Depth 350mm and Height 550mm), 1 x Busbar (Busbar@250amrs), 1 x 630A TP MCCB 50 KA, 3 x Indication Lamps, 3 x Fuse Link, 3 x Fuse and including all allied peripherals.</p>	No	1
6.	<p><b>Distribution Board</b> Board having 1 x Board (Dimension: Width 550mm, Depth 350mm and Height 550mm), 1 x Busbar (Busbar@250amrs), 1 x 400A TP MCCB 50 KA, 3 x Indication Lamps, 3 x Fuse Link, 3 x Fuse and including all allied peripherals.</p>	No	2
7.	<p><b>Distribution Board</b> Board having 1 x Board (Dimension: Width 550mm, Depth 250mm and Height 1100mm), 1 x Busbar (Busbar@250amrs), 1 200A TP MCCB 50 KA, 4 x 63A TP MCCB 50 KA, 3 x Indication Lamps, 3 x Fuse Link, 3 x Fuse and including all allied peripherals.</p>	No	1





8.	<b>Power Cable</b> Power Cable having HT-4 Gauge, American Wire Gauge (AWG) Power Cable and Conductor Material: Copper.	Meter	30
9.	<b>Power Cable</b> Power Cable having Size 120mm and LT Side for Low Tension Wire.	Meter	25
10.	<b>Cable Split Core Current Transformer</b>  AC split-core current transformer for easy mounting on busbar or cable having Transformation ratio of 800:5A, color-coded secondary cables and including all allied peripherals.	No	4
11.	<b>Room for Transformer</b>  Room for Transformer having dimension of 8x8 Reinforced Cement Concrete (RCC) with Marble Flooring. Laying and Installation of Foundation Pad for Transformer on existing RCC Floor after laying 2" thick cork sheet and then laying 6" thick RCC pad with 1/2" Ø steel reinforcement 6" apart. Supply and painting of 3 x coats of paint on new room such as walls and ceiling including all detached attachments with Colour Fastness, Alkali Resistant and Excellent Weather Resistance upto 3 mm thick including surface preparation with putty filling.	Job	1
12.	<b>Room for Power Factor Panel</b>  Room for Power Factor Panel having dimension of 10x12 Reinforced Cement Concrete (RCC) with Marble Flooring. Supply and painting of 3 x coats of paint on new room such as walls and ceiling including all detached attachments with Colour Fastness, Alkali Resistant and Excellent Weather Resistance upto 3 mm thick including surface preparation with putty filling.	Job	1
13.	<b>Civil Work</b>  Contractor should provide all allied works which includes, Pole Gravity, 3 x Pole required for Extension in Main HT Line, Road cutting permission and digging work of 6 feet/4 is required for accomplishing the task as per actual bases.	Job	1
14.	<b>Miscellaneous Work</b>  Contractor should provide supply, commissioning, installation and testing of above Sr.# 1 to Sr.# 10.	Job	1
15.	<b>Test and Technical Reports</b>  Contractor should provide the complete electrical wiring test report including Single-Line diagram (SLD) of whole solution.	Job	1
16.	<b>Support and Maintenance</b>  Contractor should provide One year complete service and support of above Sr.# 1 to Sr.# 10.	Job	1



**Technology Features**

1. The Vendor must describe the technology, type and standards.

**Warranty**

1. Describe in detail the warranties provided by the vendor and manufacturer for electrical equipment which should not be less than one (01) year.

**Maintenance and Support**

1. Describe system maintenance options available for a period of one (01) year
2. Indicate the replacement parts inventory.

**Technical Specifications**

Note: Vendors should submit their bid with equivalent or higher configuration.

**Delivery schedule**

The successful bidder would be required to carry out the supply, installation and commissioning of the BOQ items within a period of 02 weeks after signing of contract.



## PRICE SCHEDULE

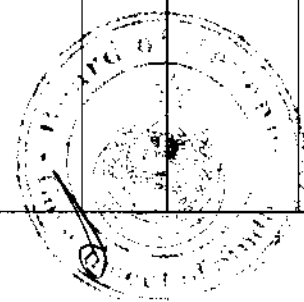
The bidders should submit their price bid/financial proposal in the following prescribed format detailing item, its quantity, unit price & total price in accordance with the terms and conditions and provisions of this RFP document.

<b>"SUPPLY &amp; INSTALLATION OF TRANSFORMER AND ALLIED SERVICES FOR DISASTER RECOVERY CENTER ESTABLISHED AT THE BUILDING OF BOARD OF REVENUE HYDERABAD"</b>					
S.No.	Item	Unit	Qty	Unit Price	Total Price
1.	<p><b>Transformer</b> Complete oil filled three phase pole/pad mounted distribution transformer for installation on utility overhead systems and ground installation on concrete pads for residential, commercial and industrial applications. The high quality transformer is provided by the Contractor is in a capacity of 400 KVA.</p> <p>Features:</p> <ul style="list-style-type: none"> <li>• Meets or exceeds current IEC, WAPDA, K-Electric or any other standards required by customer</li> <li>• 50 Hz operation</li> <li>• 50°C average winding rise</li> <li>• MV BIL 95 KV</li> <li>• LV BIL 2.5 KV</li> <li>• Mild Steel (MS) (sealed type/conservator type for higher rating) tank (optional corrugated tank) with welded lifting lugs, support angles and base channels for pole mounting</li> <li>• Mild steel MS Undercarriage with roller wheels</li> <li>• Conservator Tank with silicagel breather</li> <li>• Oil level gauge</li> <li>• Oil filling plug</li> <li>• Powder coating on state of the art automatic plant provides superior corrosion protection and is aesthetically pleasing to the eye</li> <li>• Top cover mounted MV and LV porcelain bushings</li> <li>• Tin plated brass terminals for connection to copper/aluminum conductors</li> <li>• Tank ground provision through Earthing terminal</li> <li>• Insulated cover for wildlife protection</li> <li>• Engraved nameplate (rating and diagram)</li> <li>• Insulating oil as per IEC60296 standard</li> <li>• KVA rating on transformer</li> <li>• Medium-voltage taps with external top cover mounted tap changer</li> </ul>	No	1		



**"SUPPLY & INSTALLATION OF TRANSFORMER AND ALLIED SERVICES FOR DISASTER RECOVERY CENTER ESTABLISHED AT THE BUILDING OF BOARD OF REVENUE HYDERABAD"**

S.No.	Item	Unit	Qty	Unit Price	Total Price
	<ul style="list-style-type: none"> <li>• Protection from lightning through arcing horns (outdoor transformer)</li> <li>• Explosion vent</li> <li>• Drain valve</li> <li>• Automatic pressure relief valve</li> <li>• Connectors for grounding</li> <li>• Conservator Tank with silicagel breather Oil/winding temperature indicator with contacts</li> <li>• Magnetic oil level gauge with contacts</li> <li>• Buchholz relay</li> <li>• Stencils and labels according to customer requirements</li> <li>• Cable end box for MV and LV bushings</li> <li>• Low voltage wall mounted bushings and DGPT.</li> </ul> <p>Tests:</p> <ul style="list-style-type: none"> <li>• All transformers are tested in strict accordance with WAPDA P10 standard following from IEC with test reports available by serial number.</li> <li>• Leak test</li> <li>• Polarity and Phase relation</li> <li>• Resistance</li> <li>• No-load losses and impedance</li> <li>• Exciting current</li> <li>• Induced voltage</li> <li>• Ratio test and Megger test and including all allied peripherals.</li> </ul>				
2.	<p><b>Power Factor Panel</b></p> <p>The low voltage capacitor bank is a high quality power factor correction solution engineered to compensate reactive power and harmonic distortion. This is an easy and flexible solution that can immediately boost your facility's energy efficiency and productivity. Panel having capacity of 200 KVAR with 1 x Main Panel (Dimension: Width 700mm, Depth 600mm and Height 2200mm), 1 x Busbar (Busbar@1000amrs), 7 x Power Capacitor 30 KVAR, 7 x Magnetic Contactor for 30 KVAR, 1 x PFI Relay 6-step, 1 x Exhaust fan, 1 x Ventilation grid, 8 x Indication Lamps, 8 x Fuse Link, 8 x Fuse, 3 x HRC Fuse 125 Amps, 1 x HRC Fuse 80 Amps and including all allied peripherals.</p>	No	1		

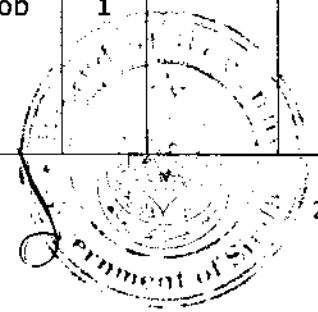


<b>"SUPPLY &amp; INSTALLATION OF TRANSFORMER AND ALLIED SERVICES FOR DISASTER RECOVERY CENTER ESTABLISHED AT THE BUILDING OF BOARD OF REVENUE HYDERABAD"</b>					
<b>S.No.</b>	<b>Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Unit Price</b>	<b>Total Price</b>
3.	<b>Main Distribution Board (Incoming)</b> Board having 1 x Board (Dimension: Width 700mm, Depth 600mm and Height 2200mm), 1 x Busbar (Busbar@800amrs), 1 x 630A TP MCCB 50 KA, 3 x 630/5A Current Transformers, 3 x Indication Lamps, 3 x Fuse Link, 3 x Fuse, 1 x Ammeter, 1 x voltmeter, 2 x Selector Switch and including all allied peripherals.	No	1		
4.	<b>Main Distribution Board (Outgoing)</b> Board having 3 x Board (Dimension 1: Width 700mm, Depth 600mm and Height 2200mm), (Dimension 2: Width 400mm, Depth 600mm and Height 2200mm) and (Dimension 3: Width 200mm, Depth 600mm and Height 2200mm), 1 x Busbar (Busbar@800amrs), 1 x 100A TP MCCB 50 KA, 1 x 200A TP MCCB 50 KA, 2 x 400A TP MCCB 50 KA and including all allied peripherals.	No	1		
5.	<b>Main Distribution Board</b> Board having 1 x Board (Dimension: Width 550mm, Depth 350mm and Height 550mm), 1 x Busbar (Busbar@250amrs), 1 x 630A TP MCCB 50 KA, 3 x Indication Lamps, 3 x Fuse Link, 3 x Fuse and including all allied peripherals.	No	1		
6.	<b>Distribution Board</b> Board having 1 x Board (Dimension: Width 550mm, Depth 350mm and Height 550mm), 1 x Busbar (Busbar@250amrs), 1 x 400A TP MCCB 50 KA, 3 x Indication Lamps, 3 x Fuse Link, 3 x Fuse and including all allied peripherals.	No	2		
7.	<b>Distribution Board</b> Board having 1 x Board (Dimension: Width 550mm, Depth 250mm and Height 1100mm), 1 x Busbar (Busbar@250amrs), 1 200A TP MCCB 50 KA, 4 x 63A TP MCCB 50 KA, 3 x Indication Lamps, 3 x Fuse Link, 3 x Fuse and including all allied peripherals.	No	1		
8.	<b>Power Cable</b> Power Cable having HT-4 Gauge, American Wire Gauge (AWG) Power Cable and Conductor Material: Copper.	Meter	30		
9.	<b>Power Cable</b> Power Cable having Size 120mm and LT Side for Low Tension Wire.	Meter	25		
10.	<b>Cable Split Core Current Transformer</b>	No	4		



**"SUPPLY & INSTALLATION OF TRANSFORMER AND ALLIED SERVICES FOR DISASTER RECOVERY CENTER ESTABLISHED AT THE BUILDING OF BOARD OF REVENUE HYDERABAD"**

S.No.	Item	Unit	Qty	Unit Price	Total Price
	AC split-core current transformer for easy mounting on busbar or cable having Transformation ratio of 800:5A, color-coded secondary cables and including all allied peripherals.				
11.	<b>Room for Transformer</b>  Room for Transformer having dimension of 8x8 Reinforced Cement Concrete (RCC) with Marble Flooring. Laying and Installation of Foundation Pad for Transformer on existing RCC Floor after laying 2" thick cork sheet and then laying 6" thick RCC pad with 1/2" Ø steel reinforcement 6" apart. Supply and painting of 3 x coats of paint on new room such as walls and ceiling including all detached attachments with Colour Fastness, Alkali Resistant and Excellent Weather Resistance upto 3 mm thick including surface preparation with putty filling.	Job	1		
12.	<b>Room for Power Factor Panel</b>  Room for Power Factor Panel having dimension of 10x12 Reinforced Cement Concrete (RCC) with Marble Flooring. Supply and painting of 3 x coats of paint on new room such as walls and ceiling including all detached attachments with Colour Fastness, Alkali Resistant and Excellent Weather Resistance upto 3 mm thick including surface preparation with putty filling.	Job	1		
13.	<b>Civil Work</b>  Contractor should provide all allied works which includes, Pole Gravity, 3 x Pole required for Extension in Main HT Line, Road cutting permission and digging work of 6 feet/4 is required for accomplishing the task as per actual bases.	Job	1		
14.	<b>Miscellaneous Work</b>  Contractor should provide supply, commissioning, installation and testing of above Sr.# 1 to Sr.# 10.	Job	1		
15.	<b>Test and Technical Reports</b>  Contractor should provide the complete electrical wiring test report including Single-Line diagram (SLD) of whole solution.	Job	1		



<b>"SUPPLY &amp; INSTALLATION OF TRANSFORMER AND ALLIED SERVICES FOR DISASTER RECOVERY CENTER ESTABLISHED AT THE BUILDING OF BOARD OF REVENUE HYDERABAD"</b>					
<b>S.No.</b>	<b>Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Unit Price</b>	<b>Total Price</b>
16.	<b>Support and Maintenance</b>  Contractor should provide One year complete service and support of above Sr.# 1 to Sr.# 10.	Job	1		



**BID FORM**

To,

Project Director,  
Project Management Unit,  
Reforms Wing & Special Cell,  
Board of Revenue,  
Government of Sindh  
Karachi.

Sir,

**SUBJECT: "SUPPLY & INSTALLATION OF TRANSFORMER AND ALLIED SERVICES FOR  
DISASTER RECOVERY CENTER ESTABLISHED AT THE BUILDING OF BOARD OF  
REVENUE HYDERABAD"**

Having examined the bidding documents, the receipt of which is hereby duly acknowledge, for the above Contract, we, the undersigned, offer to supply, deliver, test and impart training in conformity with the said bidding documents for the Total Bid Price.

Pak Rupees (in figures \_\_\_\_\_ in words \_\_\_\_\_)

or such other sums as may be ascertained in accordance with the Price Schedule attached hereto and made part of this bid.

We undertake, if our bid is accepted, to complete the works in accordance with the Contract Execution Schedule.

If our Bid is accepted, we will provide the performance security in the sum equivalent to 5% of the Contract Price for the due performance of the Contract.

We agree to abide by this Bid for the period of ninety (90) days from the date fixed for bid opening of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your Notification of Contract Award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest-priced or any Bid that you may receive.

Dated this-----day of-----2015

**WITNESS**

Signature -----  
Name -----  
Title -----  
Address -----

**BIDDER**

Signature -----  
Name -----  
Title -----  
Address -----





## BID SECURITY FORM

WHEREAS       [Name of Bidder]       (hereinafter called "the Bidder" has submitted its bid dated       [date]       for the "SUPPLY & INSTALLATION OF TRANSFORMER AND ALLIED SERVICES FOR DISASTER RECOVERY CENTER ESTABLISHED AT THE BUILDING OF BOARD OF REVENUE HYDERABAD" (hereinafter called "the Bid").

KNOW ALL MEN by these presents that we       [Name of the Bank]       of       [Name of Country]       having our registered office at       [Address of Bank]       (hereinafter called "the Bank") are bound into the Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, Karachi, Pakistan (hereinafter called "the Purchaser") in the sum of -----, for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns, by these presents.

Sealed with the Common Seal of the Bank this-----day of-----, 2015

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder does not accept the corrections of his Total Bid Price; or
3. If the Bidder, having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity:
  - (a) Fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders; or
  - (b) Fails or refuses to execute the Contract Form, when requested. or

We undertake to pay to the Purchaser up to the above amount, according to, and upon receipt of, its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both or all the three above stated conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to -----, the period of bid validity, and any demand in respect thereof should reach the Bank not later than such date.

By       [Bank]        
(Title)  
Authorized Representative



**PERFORMANCE SECURITY FORM**

To,  
Project Director,  
Project Management Unit,  
Reforms Wing & Special Cell,  
Board of Revenue,  
Government of Sindh  
Karachi.

WHEREAS  [Name of the Contractor]  hereinafter called "the Contractor" has undertaken, in pursuance of the bid for **"SUPPLY & INSTALLATION OF TRANSFORMER AND ALLIED SERVICES FOR DISASTER RECOVERY CENTER ESTABLISHED AT THE BUILDING OF BOARD OF REVENUE HYDERABAD" UNDER THE SCHEME LARMIS** dated \_\_\_\_\_ 2015, (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the Contract that the Contractor shall furnish you with a bank guarantee by a recognized bank for the sum specified therein as security for compliance with the Contractor's performance obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor a Guarantee:

THEREFORE WE hereby affirm that we are Guarantor and responsible to you, on behalf of the Contractor, up to a total of  [Amount of the guarantee in words and figures] , and we undertake to pay you, upon your first written demand declaring the Contractor to be in default under the Contract, and without cavil or argument, any sum or sums as specified by you, within the limits of  [Amount of Guarantee]  as aforesaid without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until \_\_\_\_\_ day of \_\_\_\_\_, 2015, or twenty-eight (28) days of the issue of the Defects Liability Expiry Certificate, whichever is later.

[NAME OF GUARANTOR]

Signature \_\_\_\_\_  
Name \_\_\_\_\_  
Title \_\_\_\_\_  
Address \_\_\_\_\_  
Seal \_\_\_\_\_

