



**Sindh Technical Education &  
Vocational Training Authority (STEVTA)  
Government of Sindh**



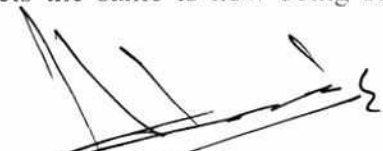
However, as a result of rationalization of STEVTA single-line budget, sufficient funds could not be made allocate for the said procurement, hence, the Ex-Managing Director desired to terminate the contracts. Accordingly, with his approval, both the above contracts were terminated vide letters dated 13 March 2017.

On termination of contracts, both the contracting firms approached the Honourable High Court of Sindh and got stay on such contracts termination. Hence, the matter was referred to Legal Section of STEVTA for legal advice by the consultant. The Legal Consultant in his advice dated 2<sup>nd</sup> May 2017 stated if the funds are available then the directions be given to contractors to come forward and start the supply of the material. Besides, also advised to place the matter before the STEVTA BoG.

The matter was placed before BoG of STEVTA in its 17<sup>th</sup> meeting held on 12<sup>th</sup> May 2017 and Board decided to continue with the contracts and also decided to extend the delivery period for 90 days, as a reasonable time wasted due to litigation or administrative issues. Meanwhile the honorable High Court of Sindh; vide order dated 19<sup>th</sup> May 2017 disposed-of the petitions stating that as the learned counsel for the plaintiff is satisfied with the statement of the learned counsel for defendant No.1 and states that as the contract has been revived in view of the withdrawal of the letter, therefore the plaintiff shall not seek any damages. Accordingly, the above said contracts have been revived vide letters dated 07.06.2017.

In view of the above position, the Contract Evaluation Form as required under Rule-50 of the Sindh Public Procurement Rules 2010, could not be sent earlier as the awarded contracts were cancelled. However, on activation of contracts the same is now being sent herewith for information and record please.

Encl: As above.

  
( ABDUL HAFEEZ ABRO )  
Director (Procurement)

*Copy to P.S. to Managing Director STEVTA, Karachi.*

# SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

## CONTRACT EVALUATION FORM

### TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

- 1) NAME OF THE ORGANIZATION / DEPTT. Sindh Technical Education & Vocational Training Authority
- 2) PROVINCIAL / LOCAL GOVT./ OTHER Authority under the administrative control of Sindh Govt.
- 3) TITLE OF CONTRACT Machinery/Equipment for Electrical Technology Labs:
- 4) TENDER NUMBER STEVTA/Proc/Electical Lab/1(57)/2016/Pt-II
- 5) BRIEF DESCRIPTION OF CONTRACT Supply of Machinery/Equipment for 08 institutes of STEVTA.
- 6) FORUM THAT APPROVED THE SCHEME STEVTA Governing Body.
- 7) TENDER ESTIMATED VALUE Rs. 300.00 Million.
- 8) ENGINEER'S ESTIMATE Not Applicable.  
(For civil works only)
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) 90 days.
- 10) TENDER OPENED ON (DATE & TIME) 25.10.2016 (Technical Proposal), 14.11.2016 (Financial Prop:)
- 11) NUMBER OF TENDER DOCUMENTS SOLD SevenX (07).  
(Attach list of buyers)
- 12) NUMBER OF BIDS RECEIVED Three (03).
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS Three (03).
- 14) BID EVALUATION REPORT Hosted on SPPRA website on 06.10.2016 vide S.No.30078.  
(Enclose a copy)
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/s. Al-Waqas Associates, Lahore.
- 16) CONTRACT AWARD PRICE Package-I Rs.133,004,000/-
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT Accepted being 1st Lowest.  
(i.e. 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> EVALUATION BID).
- 18) METHOD OF PROCUREMENT USED : - (Tick one)
- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE N/A  Domestic/ Local
- b) SINGLE STAGE – TWO ENVELOPE PROCEDURE Yes.  National
- c) TWO STAGE BIDDING PROCEDURE N/A.
- d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE N/A

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT \_\_\_\_\_

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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21) ADVERTISEMENT :

i) SPPRA Website  
(If yes, give date and SPPRA Identification No.)

Yes	06.10.2016 vide S.No. 30078.
No	

ii) News Papers  
(If yes, give names of newspapers and dates)

Yes	Daily Dawn, Jang, Kawish on 06.10.2016.
No	

22) NATURE OF CONTRACT

Domestic/ Local	<input checked="" type="checkbox"/>	Int.	<input type="checkbox"/>
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23) WHETHER QUALIFICATION CRITERIA  
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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24) WHETHER BID EVALUATION CRITERIA  
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A  
METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED  
BID / BEST EVALUATED BID (in case of Consultancies)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY  
COMPLIANT?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT  
THE TIME OF OPENING OF BIDS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF  
CONTRACT?

(Attach copy of the bid evaluation report)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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31) ANY COMPLAINTS RECEIVED  
(If yes, result thereof)

Yes	
No	No.

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS  
(If yes, give details)

Yes	
No	No.

33) WAS THE EXTENSION MADE IN RESPONSE TIME?  
(If yes, give reasons)

Yes	N/A
No	N/A

34) DEVIATION FROM QUALIFICATION CRITERIA  
(If yes, give detailed reasons.)

Yes	
No	No.

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT  
BLACK LISTED?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE  
SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO  
BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:  
(If yes, enclose a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN  
THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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38) SPECIAL CONDITIONS, IF ANY  
(If yes, give Brief Description)

Yes	
No	No.

Signature & Official Stamp of  
Authorized Officer



(A. HAFEEZ ABRO)  
Director (Procurement)  
Sindh TEVTA

**FOR OFFICE USE ONLY**

***SPPRA, Block. No.8, Sindh Secretariat No.4-A, Court Road, Karachi***  
***Tele: 021-9205356; 021-9205369 & Fax: 021-9206291***

# SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

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- 3) TITLE OF CONTRACT Machinery/Equipment for Electrical Technology Labs:
- 4) TENDER NUMBER STEVT/Proc/Electical Lab/1(57)/2016/Pt-I/
- 5) BRIEF DESCRIPTION OF CONTRACT Supply of Machinery/Equipment for 08 institutes of STEVTA.
- 6) FORUM THAT APPROVED THE SCHEME STEVT Governing Body.
- 7) TENDER ESTIMATED VALUE Rs. 300.00 Million.
- 8) ENGINEER'S ESTIMATE (For civil works only) Not Applicable.
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- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/s. Continental Enterprises, Karachi.
- 16) CONTRACT AWARD PRICE Package-I Rs.69,574,016/-
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> EVALUATION BID). Accepted being 1st Lowest

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(If yes, enclose a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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**Sindh Technical Education &  
Vocational Training Authority (STEVTA)**  
St-19, Block-6, Gulshan-e-Iqbal, Karachi.



No. STEVTA/Proc/Electrical Labs/1(57)/2016/Pt-II

Dated the 26<sup>th</sup> Jan, 2017.

## Contract Agreement Document

### **Procurement of Equipment/Machinery for Electrical Technology Labs: of Sindh TEVTA Institutions at Karachi/ Hyderabad/Mirpurkhas/Sukkur & Larkana Regions (Package I & II)**

<b>Tender No.</b>	No. STEVTA/Pro/Electrical Lab/1(57)/2016/Pt-II
<b>Title of Bid:</b>	Tender for procurement of Equipment/Machinery for Electrical Technology Labs: of Sindh TEVTA Institutions at Karachi/Hyderabad/Mirpurkhas/Sukkur & Larkana Regions (Package-I and II)
<b>No. Of Consignees:</b>	<b>Eight (08)</b> As per list of Consignees attached.
<b>Date of Contract:</b>	<u>26</u> -01-2017.
<b>Date of Completion:</b>	Ninety (90) Days.
<b>Name of Contracting Firm:</b>	M/s. Al-Waqas Associates, 3 <sup>rd</sup> Floor, I.E.P.Building, Liberty round about, Gulberg-III, Lahore.







DANISH AHMAD STAMP VENDOR

S.V. Lic. No. 79, Suit No. 223, 11<sup>th</sup> Floor,  
Tahir B. Court, North Nazimabad, Karachi

S. No. 9892 24 JAN 2017

ISSUED TO: MESS. TAHA SIDDIQUI

THROUGH WITH MESS. ADVOCATE

PURPOSE: 15/126/LC/Khi

VALUE RS. ATTACHED Contract Agreement

STAMP VENDOR'S SIGNATURE

24 JAN 2017

(RUPEES FIFTY ONLY)

THIS AGREEMENT is made on the \_\_\_\_ of January 2017, between Sindh Technical Education & Vocational Training Authority (STEVTA) of Karachi, Pakistan (hereinafter called "the Purchaser" of the one part.

AND

M/s. Al-Waqas Associates, 3<sup>rd</sup> Floor, IEP Building, Liberty Roundabout, Gulberg III, Lahore, Pakistan (hereinafter called "the Supplier") of the other part.

WHEREAS the Purchaser invited bids for certain goods and ancillary services, viz: supply of Equipment/Machinery for Electrical Technology Labs: for Sindh TEVTA Institutions (Package-II) for 08 institutes selected under STEVTA and has accepted a bid by the Supplier for the supply of those goods and services in the sum of Rs.133,004,000/- (Rupees One hundred Thirty Three Million and Four Thousand only) (hereinafter called "Contract Price").

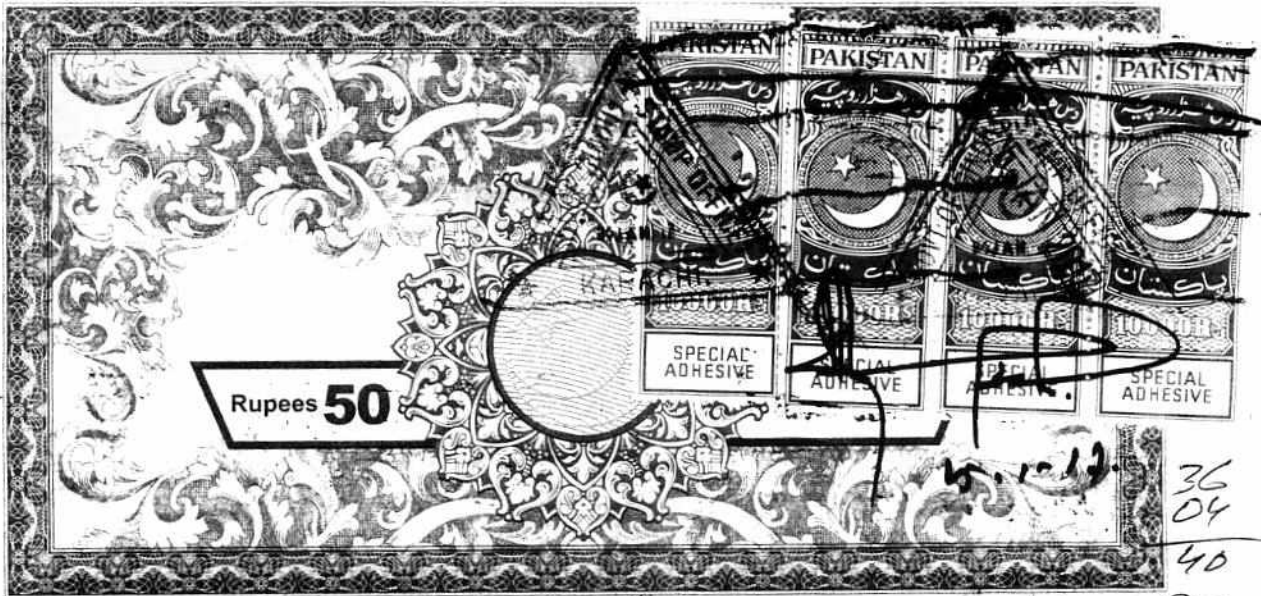
NOW THIS AGREEMENT WITNESS AS FOLLOWS:-

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
  - a) the Bid Form and Price Schedule submitted by the Bidder.
  - b) the Schedule of Requirements;
  - c) the Technical Specifications;
  - d) the General Conditions of Contract;
  - e) the Special Conditions of Contract; and.
  - f) the Purchaser's Notification of Award.
  - g) the Integrity Pact.

(A. HAFEZ ABRO)  
Director (Procurement)  
Sindh TEVTA



AL - WAQAS ASSOCIATES  
Proprietor



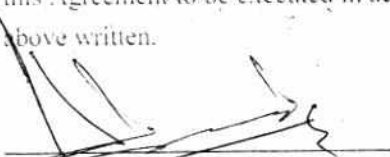
DANISH AHMAD STAMP VENDOR  
S.V. Lic. No. 79 S... 223, 11th Floor  
Tahir P... 24 JAN 2017

24 JAN 2017

S No. 9891  
ISSUED TO: TAHA SIDDIQUI  
THROUGH WHOLESALE: ADVOCATE  
PURPOSE: ATTACHED  
VALUE RS. 15126/LC/Khi  
STAMP VENDOR'S SIGNATURE

3. In consideration of the payments to be made by the Purchaser to the Supplier hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Purchaser hereby covenants to pay the Supplier in consideration of the supply of the goods and services and the remedying of defects therein, the Contract Price and all other sums as may become payable under the provisions of contract at the times and in the manner prescribed by the contract. IN WITNESS whereof the parties hereto have entered into this Agreement to be executed in accordance with their respective laws the day and date above written.

  
(Signature for Purchaser)


AL - WAQAS ASSOCIATES  
  
Proprietor

(Signature of Supplier)  
AL - WAQAS ASSOCIATES  
Proprietor

(A. HAFEEZ ABRO)  
Director (Procurement)  
STEVA

(Designation/Stamp)

Signed, Sealed and Delivered by the said in the presence of

  
(Signature of witness)

  
(Signature of witness)

Name: Kamal Saeed

Name: M. Subhan  
92101-79843675



Earnest Money: 2.5% of total bid value

Date of Tender Submission: 25.10.2016 till 11:00 AM

Date of Opening of Technical Proposal: 25.10.2016 on 11:30 AM

**Bid Submission Sheet**

Date: \_\_\_\_\_

ICB NO.: \_\_\_\_\_

Invitation for Bid No.: \_\_\_\_\_

Alternative No.: \_\_\_\_\_

Managing Director,  
National Technical Education &  
Vocational Training Authority  
Lahore

I, the undersigned, declare that:

I have examined and have no reservations to the Bidding Document, including Addenda No. \_\_\_\_\_

We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in the Schedule of Supply, the Goods and Related Services:

The total price of our Bid, excluding any discounts offered in item (d) below is:  
Rs. 133,000,000 (Rupees one hundred thirty three million four thousand only)

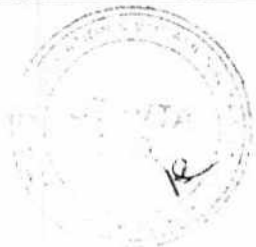
The discounts offered and the methodology for their application are: \_\_\_\_\_

Our Bid shall be valid for a period of 90 days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

If our Bid is accepted, we commit to obtain a Performance Security @ 10% of the Contract Price for the due performance of the Contract;

Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from these eligible countries: \_\_\_\_\_;

We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;



AL - WAQAS ASSOCIATES  
*Muhammad Anwar*

Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the contract, has not been declared ineligible by the Government;

The following commissions, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract:

<u>Name of Receipt</u>	<u>Address</u>	<u>Reason</u>	<u>Amount</u>

(If none has been paid or is to be paid, indicate "none.")

We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.

We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

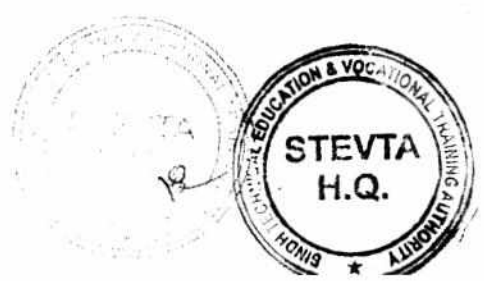
Name Waqas Ahmad

In the capacity of Proprietor

Signed Waqas Ahmad

Fully authorized to sign the security for and on behalf of \_\_\_\_\_

Date \_\_\_\_\_



AL - WAQAS ASSOCIATE  
Waqas Ahmad  
Proprietor

# AL - WAQAS ASSOCIATES *W*

DEALERS IN :  
 Technical Education & Special Education.  
 All kinds of Mechanical, Electrical, Electronic Equipments & Machinery.  
 Computer Hardware & Peripheral

Date: \_\_\_\_\_

## Financial Proposal

Name of Bidder: AL-WAQAS ASSOCIATES.

2	3	4	5	6
Description	Country of Origin Make/Made	Quantity	Unit Price (in PKR)	Total Price (in PKR)
				(Col: 4x5)
				0
1. Power Transformer	Pak/China	16	75000	1200000
2. Transformer	Pak/China	16	75000	1200000
3. Transformer	Pak/China	16	45000	720000
4. Transformer	Pak/China	24	45000	1080000
5. Synchronous Motor	Mod.6070-4 Italy	8	850000	6800000
6. Hopkinson's Test Equipment	Pak/China	8	1950000	15600000
7. Rectifier	Pak/China	8	180000	1440000
8. Motor-Alternator Set	Pak/China	8	1950000	15600000
9. Induction Motor	Mod.6040-4 Italy	16	324000	5184000
10. Induction Motor-Generator Set	Mod.6050-4 + 6140 -4G + 6030 Italy	8	1900000	15200000
11. DC Shunt Machine	Mod. 6140-4 Italy	16	933000	14928000
12. DC Series Motor Generator Set	Mod. 6150-4M + 6140-4G 6030 Italy.	8	2090000	16720000
13. DC Motor Generator Set	Mod.5140-4M + 5140-4G + 6030 Italy.	8	1500000	12000000
14. Loading Rheostate	Pak/China	32	162500	5200000
15. Rheostate	Pak/China	8	62500	500000
16. Variable Choke Coil (Inductor)	Pak/China	16	162000	2592000
17. Variable Choke Coil (Inductor)	Pak/China	16	62500	1000000
18. Ammeter	Pak/China	160	15000	2400000
19. Volt Meter	Pak/China	120	15000	1800000
20. Tachometer (Mechanical)	China	48	7000	336000
21. Stroboscope	China	8	70000	560000

*Handwritten signature*  
M.E.D.

*Handwritten signature*  
14/11/16

*Handwritten signature*  
14/11/16



1st Floor, IEP Building,  
 Gujberg III, Lahore - Pakistan.  
 Tel: 0092-42-35759923  
 Email: al-waqas@al-waqas.com

AL - WAQAS ASSOCIATES  
*Handwritten signature*  
 Proprietor

BRANCH OFFICE:  
 Asad Building (Basement),  
 Dr. Bano Road, Quetta - Pakistan.  
 Tel: 081-2833718 Fax: 0092-81-2823918

# AL - WAQAS ASSOCIATES *AW*

DEALERS IN :  
 Technical Education & Special Education.  
 All kinds of Mechanical, Electrical, Electronic Equipments & Machinery.  
 Computer Hardware & Peripheral

Date: \_\_\_\_\_

	China	16	9000	144000
	Pak/China	8	1200000	9600000
	Pak/China	8	150000	1200000
				<b>133004000</b>

*Handwritten signature and date: 14/11/16*

*Handwritten signature and date: 14/11/16*

AL - WAQAS ASSOCIATES

*Handwritten signature*  
 Proprietor

*Handwritten signature and date: 14/11/16*



Asad Building,  
 Dr. Bano Road, Lahore - Pakistan.  
 Tel: 042-35759923

BRANCH OFFICE:  
 Asad Building (Basement),  
 Dr. Bano Road, Quetta - Pakistan.  
 Tel: 081-2833718 Fax: 0092-81-2823918

## Schedule of Requirement

Item #	Name of Article	GPI G/Jouhar	GMI Razzakabad	GMI Tando Bago	GMI T/Mir Wah	GMI Mehrabpur	GMI Khipro	GPI Kamar	GMI S/dadkot	Total
	<b>Package-II: (Electrical Machines Laboratory):</b>									--
1	Auto Transformer	02	02	02	02	02	02	02	02	16
2	Transformer	02	02	02	02	02	02	02	02	16
3	Transformer.	02	02	02	02	02	02	02	02	16
4	Transformer.	03	03	03	03	03	03	03	03	24
5	Synchronous Motor	01	01	01	01	01	01	01	01	08
6	Hopkinson's Test Equipment	01	01	01	01	01	01	01	01	08
7	Rectifier	01	01	01	01	01	01	01	01	08
8	Motor – Alternator Set	01	01	01	01	01	01	01	01	08
9	Induction Motor	02	02	02	02	02	02	02	02	16
10	Induction Motor- Generator Set	01	01	01	01	01	01	01	01	08
11	D.C. shunt Machine	02	02	02	02	02	02	02	02	16
12	D.C. Series Motor Generator Set	01	01	01	01	01	01	01	01	08
13	D.C. Motor Generator Set	01	01	01	01	01	01	01	01	08
14	Loading Rheostat	04	04	04	04	04	04	04	04	32
15	Rheostat	01	01	01	01	01	01	01	01	08
16	Variable Choke coil (Inductor)	02	02	02	02	02	02	02	02	16
17	Variable Choke coil (Inductor)	02	02	02	02	02	02	02	02	16
18	Ammeter	20	20	20	20	20	20	20	20	160
19	Voltmeter	15	15	15	15	15	15	15	15	120
20	Tachometer (Mechanical)	06	06	06	06	06	06	06	06	48
21	Stroboscope	01	01	01	01	01	01	01	01	08
22	Galvanometer	02	02	02	02	02	02	02	02	16
23	D.C. Series Motor	01	01	01	01	01	01	01	01	08
24	Starter	01	01	01	01	01	01	01	01	08

### LIST OF CONSIGNEES

- 1) Govt. Polytechnic Institute, Gulistan-e-Jouhar, Karachi.
- 2) Govt. Monotechnic Institute, Razzakabad.
- 3) Govt. Monotechnic Institute, Tando Bago.
- 4) Govt. Monotechnic Institute, Tando Mir Wah.
- 5) Govt. Monotechnic Institute, Meherabpur.
- 6) Govt. Monotechnic Institute, Khipro.
- 7) Govt. Polytechnic Institute, Kamar.
- 8) Govt. Monotechnic Institute, Shahdadkot.



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## Technical Specifications

Article #	Name of Article	Technical Specifications
<b>Package-II</b>		
1	Auto Transformer	5KVA Input 415 V, 3 phase, 50 Hz Output 0-415 V, 30 A per Line Cooling air natural
2	Transformer	3 KVA, 3 Phase, 50 Hz 440/230 V H.V. delta connected L.V. star connected
3	Transformer.	2.5 KVA, 1 Phase, 50 Hz 230/115 V Secondary tapings at 5%, 50%, 86.6%
4	Transformer.	1KVA, 1 Phase, 50Hz 230/115 V, Shell Type Mounted on a wooden Platform
5	Synchronous Motor	440V, 3 phase, 50 Hz, 1500 rpm , 4.5 A Type :- S.P. Rating :- Cont. With Shunt Exciter (Mounted on the same shaft ) 1500 rpm, 12/24V, 15/10A.
6	Hopkinson's Test Equipment	Two D.C. Machines coupled together 3 KW, 13.5 A, 1500 rpm, Shunt D.C. machines Insulation class "B"
7	Rectifier Unit complete included Transformer.	10 KVA, Input :- 415 V , 3 phase 50Hz, 36 A D.C. output: - 0-230V variable, Current 100A to provide DC Supply.
8	Motor – Alternator Set	Motor: - 230V D.C. shunt 2.5 KW, 1500 rpm 230 V Alternator :- 5 KVA, 230V, 3 phase 50 Hz , 1500 rpm
9	Induction Motor	Squirrel cage 3 HP/ 2.2 Kw delta connected stator Insulation class "B" 1440 rpm , 440V , 3 phase, 50Hz
10	Induction Motor-Generator Set	IM :- Slip ring 3 HP with DOL starter & rotor Resistance, 230V , 3 phase, 1500 rpm Generator :- D.C. shunt 2.5KW, 230V, 11.2 A, 1500 rpm self excited.
11	D.C. shunt Machine	3 HP, 1500 rpm, 230v , 13 A Field : Shunt type self excite, Type :- S.P. Rating :- Cont.
12	D.C. Series Motor Generator Set	Motor: 3 KW, 1500 rpm, 230V, 19.6 A Field : Series Generator : 5 Hp, 1500 rpm, 230v, 22.8 A Field : Shunt
13	D.C. Motor Generator Set	Motor: 2 HP, 1500 rpm, 230V, 4.5 A Field : Shunt Generator : 2 Hp, 1500 rpm, 230v, 8.2A Field : Shunt
14	Loading Rheostat	7.5 KW , 230V, 3 phase, 4 wire Balanced load. (Each branch having equal load) Load: wire wound fixed resistors. Wire wound resistors. Variable. Three terminals. With steel clamp + Brush type moving contact. $\pm$ 5% tolerance



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Article #	Name of Article	Technical Specifications
5	Rheostat.	400 $\Omega$ , 1 A. 100 $\Omega$ , 5 A. 150 $\Omega$ , 2 A. 110 $\Omega$ , 2.5 A. 40 $\Omega$ , 5 A. 20 $\Omega$ , 10 A.
16	Variable Choke coil (Inductor)	Input :- 415 V . 3 phase 50Hz Output: 3x20 A Max.
17	Variable Choke coil (Inductor)	2.5 KVA, 250 V
18	Ammeter	Dynamometer type portable moving coil 150mm Uniform scale with anti parallax mirror. Knife edge pointer housed in a teak wood/ ebonite Case. 1st grade accuracy $\pm$ 1% FSD (0-1) A (0-1.5-3 ) A (0-5-10) A (0-10-20) A
19	Voltmeter	Dynamometer type portable moving coil 150mm Uniform scale with anti parallax mirror. Knife edge pointer housed in a teak wood/ ebonite Case. 1st grade accuracy $\pm$ 1% FSD (0-50) V (0-150-300 ) V (0-250-500) V
20	Tachometer (Mechanical)	0-5000 rpm
21	Stroboscope	Stroboscope, 220V, up to 5KHz.
22	Galvanometer	0-30 m Amp
23	D.C. Series Motor	With Pulley and Belt arrangement 220V, 3HP.
24	Starter	Study of different types Starter - DOL , Star/ Delta, Auto transformer able to start 3KW Motor.

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# General Conditions of Contract

## 1. Definitions

- 1.1 In this Contract, the following terms shall be interpreted as indicated:
- (a) "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
  - (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
  - (c) "The Goods" means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract.
  - (d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
  - (e) "GCC" means the General Conditions of Contract contained in this section.
  - (f) "SCC" means the Special Conditions of Contract.
  - (g) "The Purchaser" means the organization purchasing the Goods, as named in SCC.
  - (h) "The Purchaser's country" is the country named in SCC.
  - (i) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
  - (j) "The World Bank" means the International Bank for Reconstruction and Development (IBRD) or the International Development Association (IDA).
  - (k) "The Project Site," where applicable, means the place or places named in SCC.
  - (l) "Day" means calendar day.

## 2. Application

- 2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.



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**3. Country of Origin**

- 3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules of the World Bank, as further elaborated in the SCC.
- 3.2 For purposes of this Clause, "origin" means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.

**4. Standards**

- 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.

**5. Use of Contract Documents and Information; Inspection and Audit by the Bank**

- 5.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.
- 5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.
- 5.4 The Supplier shall permit the Bank to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Bank, if so required by the Bank.



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## 6. Patent Rights

6.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Purchaser's country.

## 7. Performance Security

7.1 Within twenty (20) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Purchaser the performance security in the amount specified in SCC.

7.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Purchaser and shall be in one of the following forms:

(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Purchaser's country, in the form provided in the bidding documents or another form acceptable to the Purchaser; or

(b) a cashier's or certified check.

7.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

## 8. Inspections and Tests

8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. SCC and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.



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8.4 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Purchaser's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods' shipment from the country of origin.

8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

## 9. Packing

9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Purchaser.

## 10. Delivery and Documents

10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.

10.2 For purposes of the Contract, DDP trade term used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of *Inco terms* published by the International Chamber of Commerce, Paris.

10.3 Documents to be submitted by the Supplier are specified in SCC.

## 11. Insurance

11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers responsibility.

## 12. Transportation

12.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination within the Purchaser's country, transport to such place of destination in the Purchaser's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.



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### 13. Incidental Services

13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract;
- (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.

### 14. Spare Parts

14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
  - (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
  - (ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.



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## 15. Warranty

- 15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser.
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

## 16. Payment

- 16.1 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.
- 16.2 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.
- 16.3 The currency of payment is Pak. Rupees.

## 17. Prices

- 17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Purchaser's request for bid validity extension, as the case may be.



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## 18. Change Orders

18.1 The Purchaser may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) the method of shipment or packing;
- (c) the place of delivery; and/or
- (d) the Services to be provided by the Supplier.

18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

## 19. Contract Amendments

19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

## 20. Assignment

20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent.

## 21. Subcontracts

21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

21.2 Subcontracts must comply with the provisions of GCC Clause 3.

## 22. Delays in the Supplier's Performance

22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.

22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.



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22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.

### 23. Liquidated Damages

23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24.

### 24. Termination for Default

24.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or
- (b) if the Supplier fails to perform any other obligation(s) under the Contract.
- (c) if the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.



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24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

**25. Force Majeure**

25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**26. Termination  
for Insolvency**

26.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

**27. Termination  
for  
Convenience**

27.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:



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- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

**28. Resolution of Disputes**

- 28.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed and/or arbitration.

**29. Governing Language**

- 29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

**30. Applicable Law**

- 30.1 The Contract shall be interpreted in accordance with the laws of the Purchaser's country, unless otherwise specified in SCC.

**31. Notices**

- 31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.
- 31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

**32. Taxes and Duties**

- 32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

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## Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

### 1. Definitions (GCC Clause 1)

GCC 1.1 (g)—The Purchaser is: *Project Management Unit (PMU), SSDP, STEVTA*

GCC 1.1 (h)—The Purchaser's country is: *Pakistan*

GCC 1.1 (i)—The Supplier is: \_\_\_\_\_

#### *Sample Provision*

GCC 1.1 (j)—The Project Site is: *List Annexed.*

### 2. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Part Two Section VI of the bidding documents, "Eligibility for the Provisions of Goods, Works, and Services in Bank Financed Procurement". (N/A)

### 3. Performance Security (GCC Clause 7)

GCC 7.1—The amount of performance security, as a percentage of the Contract Price, shall be: *10% of Contract Value*

GCC 7.4—After delivery and acceptance of the Goods, the performance security shall be reduced to **Two (2) percent** of the Contract Price to cover the Supplier's warranty obligations in accordance with Clause GCC 15.2 for items mentioned at S. Nos. 1, 3, 5, 13, 18 and 26 in the Equipment list. If it is the Manufacturer's warranty 2% will not be deducted.

### 4. Inspections and Tests (GCC Clause 8)

**Sample approval of the items shall be carried by the purchaser.**

GCC 8.6—Inspection and tests prior to shipment of Goods and at final acceptance are as follows: *Either at the Office of The Project Director, PMU, SSDP, STEVTA Headquarter, Street#19, Block-6, Near NIPA Chowrangi, Gulshan-e-Iqbal, Karachi.*

*OR at the outlet/godown of bidding firm, as per convenience of Procuring Agency.*

### 5. Packing (GCC Clause 9)

GCC 9.3—The following SCC shall supplement GCC Clause 9.2:

*The bidder shall arrange all the articles for inspection at above mentioned address.*

### 6. Delivery and Documents (GCC Clause 10)

GCC 10.3—Upon shipment, the Supplier shall notify the Purchaser the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document.



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*Proprietor*

**7. Insurance (GCC Clause 11)**

GCC 11.1— The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers responsibility. Since the Insurance is sellers responsibility they may arrange appropriate coverage.

**8. Incidental Services (GCC Clause 13)**

GCC 13.1—Incidental services to be provided are:

- a) On-site assembly / Fitting / placement of Generators and Air-conditioners.
- b) Electrification for all electric appliances
- c) On-site Training to the relevant staff on operation, maintenance of Generators.

**9. Spare Parts (GCC Clause 14)**

GCC 14.1—Additional spare parts requirements are: *N/A*

**10. Warranty (GCC Clause 15)**

GCC 15.2—In partial modification of the provisions, the warranty period shall be *twelve (12)* months from date of acceptance for the entire stores.

The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:

- (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4.

or

- (b) pay liquidated damages to the Purchaser with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be *(0.5% per week)*.

GCC 15.4 & 15.5—The period for correction of defects in the warranty period is: *15 days*.

**11. Prices (GCC Clause 17)**

GCC 17.1—Prices shall be adjusted in accordance with provisions in the Attachment to SCC: *N/A*

**12. Liquidated Damages (GCC Clause 23)**

GCC 23.1—Applicable rate: *(0.5%) percent per week*

Maximum deduction: *Ten (10) percent of the Contract Price*

**13. Resolution of Disputes (GCC Clause 28)**

GCC 28.3—The dispute resolution mechanism to be applied pursuant to GCC Clause 28.2 shall be as follows:

In the case of a dispute between the Purchaser and the Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Purchaser's country.



AL - WAQAS ASSOCIATES  
*Muhammad*  
Proprietor

#### 14. Operational Requirements

The following modus operandi was discussed and agreed by both the parties; i.e. STEVTA and the Contracting firm:

- 1) Both the Packages I & II should be designed to form a complete system for teaching Power System and Electrical Machines respectively.
- 2) The system should be a learning system including both Hardware & Courseware integrated to cover technical and vocational education in Power System & Electrical Machines.
- 3) All measuring and control equipment should be placed in a cabinet including panels with mimic diagrams connection terminals & exercise surface for approx three students.
- 4) Installation, Commissioning and Teacher Training for the system should be carried out by OEM Engineer at Institute.
- 5) Manuals containing Comprehensive Technical Description as well as users guide with Experiments (approximate 30) should be provided.

#### 15. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language shall be: *English*

#### 16. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the laws of **Islamic Republic of Pakistan** which includes the following legislation:

**The Employment of Children (ECA) Act 1991**  
**The Bonded Labour System (Abolition) Act of 1992**  
**The Factories Act 1934**

#### 16. Notices (GCC Clause 31)

GCC 31.1—Purchaser's address for notice purposes:

*Office of the Managing Director,  
STEVTA Headquarter,  
Street#19, Block-6, Near NIPA Chowrangi,  
Gulshan-e-Iqbal, Karachi.*

Supplier's address for notice purposes:

**Al-Waqas Associates,  
3<sup>rd</sup> Floor, I.E.P. Building,  
Liberty Round About,  
Gulberg-III, Lahore.**

AL - WAQAS ASSOCIATES  
*Muhammad Ahmad*  
Proprietor





## Sindh Technical Education & Vocational Training Authority (STEVTA)

ST-19, Block-6, Gulshan-e-Iqbal, Karachi.  
Tel: 021-99244112-7, Fax No.021-99244118  
web: <http://www.stevta.gos.pk>

No. STEVTA/Pro/Electrical Lab/1(57)/2016/Pt-II/569

Karachi, dated 28<sup>th</sup> Dec, 2016.

To,

M/s. Al-Waqas Associates,  
3<sup>rd</sup> Floor, I.E.P Building, Liberty Round About,  
**Gulberg-III, Lahore.**

**SUBJECT: PURCHASE ORDER FOR PROCUREMENT OF EQUIPMENT/MACHINERY FOR ELECTRICAL TECHNOLOGY LABS OF SINDH TEVTA INSTITUTES AT KARACHI, HYDERABAD, SUKKUR, MIRPURKHAS & LARKANA REGIONS.**

Kindly refer to your Bid submitted to STEVTA for supply of Equipment/Machinery for Electrical Technology Labs for Sindh TEVTA Institutes at Karachi, Hyderabad, Sukkur, Mirpurkhas & Larkana Regions. It is informed that your bid have been found 1<sup>ST</sup> Lowest Procurement Committee has recommended and approval of the Competent Authority to Award the Contract to your firm at the total price Rs. 133,004,000/- as quoted, as per details of specifications & quantities, given below:-

Item #	Item Name	Specifications	Quantity	Rate per Unit	Amount
			(Qty)	(PKR)	(PKR)
<b>Package-II Electrical Machines Laboratory:-</b>					
1	<b>Auto Transformer</b>	5KVA Input 415 V, 3 phase, 50 Hz Output 0-415 V, 30 A per Line Cooling air natural (China).	16	75,000	1,200,000
2	<b>Transformer</b>	3 KVA, 3 Phase, 50 Hz 440/230 V H.V. delta connected L.V. star connected (China).	16	75,000	1,200,000
3	<b>Transformer.</b>	2.5 KVA, 1 Phase, 50 Hz 230/115 V Secondary tapings at 5%, 50%, 86.6% (China).	16	45,000	720,000
4	<b>Transformer.</b>	1KVA, 1 Phase, 50Hz 230/115 V, Shell Type Mounted on a wooden Platform (China).	24	45,000	1,080,000
5	<b>Synchronous Motor</b>	440V, 3 phase, 50 Hz, 1500 rpm, 4.5 A Type :- S.P. Rating: - Cont. With Shunt Exciter (Mounted on the same shaft) 1500 rpm, 12/24V, 15/10A. (Italy Model No. 6070-4.	8	850,000	6,800,000
6	<b>Hopkinson's Test Equipment</b>	Two D.C. Machines coupled together 3 KW, 13.5 A, 1500 rpm, Shunt D.C. machines Insulation class "B" (China).	8	1,950,000	15,600,000
7	<b>Rectifier Unit complete included Transformer.</b>	10 KVA, Input: - 415 V, 3 phase 50Hz, 36 A D.C. output: - 0-230V variable, Current 100A to provide DC Supply (China).	8	180,000	1,440,000
8	<b>Motor - Alternator Set</b>	Motor: - 230V D.C. shunt 2.5 KW, 1500 rpm 230 V Alternator :- 5 KVA, 230V, 3 phase 50 Hz, 1500 rpm (China).	8	1,950,000	15,600,000



AL - WAQAS ASSOCIA  
*[Signature]*

Item #	Item Name	Specifications	Quantity	Rate per Unit	Amount
			(Qty)	(PKR)	(PKR)
9	<b>Induction Motor</b>	Squirrel cage 3 HP/ 2.2 Kw delta connected stator Insulation class "B" 1440 rpm, 440V, 3 phase, 50Hz (Italy Model No. 6040-4).	16	324,000	5,184,000
10	<b>Induction Motor-Generator Set</b>	IM :- Slip ring 3 HP with DOL starter & rotor. Resistance, 230V, 3 phase, 1500 rpm Generator: - D.C. shunt 2.5KW, 230V, 11.2 A, 1500 rpm self excited. (Italy Model No. 6050-4 + 6140-4g + 6030).	8	1,900,000	15,200,000
11	<b>D.C. shunt Machine</b>	3 HP, 1500 rpm, 230v , 13 A Field : Shunt type self excite, Type :- S.P. Rating :- Cont. (Italy Model No. 6140-4).	16	933,000	14,928,000
12	<b>D.C. Series Motor Generator Set</b>	Motor: 3 KW, 1500 rpm, 230V, 19.6 A Field: Series Generator : 5 Hp,1500 rpm, 230v, 22.8 A Field : Shun(Italy Model No. 6150-4M+6140-4G 6030).	8	2,090,000	16,720,000
13	<b>D.C. Motor Generator Set</b>	Motor: 2 HP, 1500 rpm, 230V, 4.5 A Field : Shunt Generator : 2 Hp,1500 rpm, 230v, 8.2A Field : Shunt (Italy Model No. 5140-4M+5140-4G 6030).	8	1,500,000	12,000,000
14	<b>Loading Rheostat</b>	7.5 KW , 230V, 3 phase, 4 wire Balanced load. (Each branch having equal load) Load: This is module fitted with 8 resistors in three identical groups to realize balanced or unbalanced) 3 Phase loads (star and delta) and single phase loads or DC. Each Phase can be independently varied in 8 Power Variation 0-100%;. Duty Cycle: 100%; Input/Output: 4 mm CE Safety sockets Unit Type: Wheeled unit. (China).	32	162,500	5,200,000
15	<b>Rheostat.</b>	400 Ω, 1 A. 100 Ω, 5 A. 150 Ω, 2 A. 110 Ω, 2,5 A. 40 Ω, 5 A. 20 Ω, 10 A. (China).	8	62,500	500,000
16	<b>Variable Choke coil (Inductor)</b>	3phase, 4 wire Balanced load, (Each branch having equal load) This is a module fitted with 8 inductors in three identical groups to realize balanced or unbalanced 3-Phase loads (Star and Delta) and single phase loads. Each phase can be independently varied in 8 uniform steps from 0 to max current value for full power. Power variation: 0-100%; Duty Cycle: 100% Input/output: 4 mm CE safety sockets. Units Type Wheeled unit. (China).	16	162,000	2,592,000
17	<b>Variable Choke coil (Inductor)</b>	230V, 1 Phase, Balanced load, (Each branch having equal load). This is a module fitted with 16 inductors in two identical groups to realize single phase loads. Phase can be independently varied in 16 uniforms steps from 0 to max	16	62,500	1,000,000





Item #	Item Name	Specifications	Quantity	Rate per Unit	Amount
			(Qty)	(PKR)	(PKR)
		current value for full power. Power variation 0-100%. Duty Cycle: 100%. Input/Output : 4mm CE Safety sockets. Unit Type: Wheeled unit. (China).			
18	<b>Ammeter</b>	Dynamometer type portable moving coil 150mm Uniform scale with anti parallax mirror. Knife edge pointer housed in a teak wood/ ebonite Case. 1st grade accuracy $\pm 1\%$ FSD (0-1) A (0-1.5-3 ) A (0-5-10) A (0-10-20) A (China).	160	15,000	2,400,000
19	<b>Voltmeter</b>	Dynamometer type portable moving coil 150mm Uniform scale with anti parallax mirror. Knife edge pointer housed in a teak wood/ebonite Case. 1st grade accuracy $\pm 1\%$ FSD (0-50) V (0-150-300 ) V (0-250-500) V (China).	120	15,000	1,800,000
20	<b>Tachometer (Mechanical).</b>	0-5000 rpm (China).	48	7,000	336,000
21	<b>Stroboscope.</b>	Stroboscope, 220V, up to 5KHz. (China).	8	70,000	560,000
22	<b>Galvanometer.</b>	0-30 m Amp (China).	16	9,000	144,000
23	<b>D.C. Series Motor.</b>	With Pulley and Belt arrangement 220V, 3HP. (China).	8	1,200,000	9,600,000
24	<b>Starter.</b>	Study of different types Starter - DOL, Star/Delta, Auto transformer able to start 3KW Motor. (China).	8	150,000	1,200,000
<b>Total :-</b>					<b>133,004,000</b>

You are hereby requested through this letter to submit your acceptance along with Performance Security @ 10% of the contract value/amount, within Seven (7) days receipt of this letter and sign the contract documents, failing which this bid offer will stand cancelled.

All terms and conditions mentioned in the tender document shall remain the same.

Sd/-  
( MUZAFFAR ALI BHUTTO )  
Deputy Director (Procurement)

AL - WAQAS ASSOCIATE  
*[Handwritten Signature]*









**Sindh Technical Education &  
Vocational Training Authority (STEVTA)**  
St-19, Block-6, Gulshan-e-Iqbal, Karachi.



No. STEVTA/Proc/Electrical Labs/1(57)/2016/Pt-II

Dated the 26<sup>th</sup> Jan, 2017.

## Contract Agreement Document

### **Procurement of Equipment/Machinery for Electrical Technology Labs: of Sindh TEVTA Institutions at Karachi/ Hyderabad/Mirpurkhas/Sukkur & Larkana Regions (Package - I & II)**

<b>Tender No.</b>	STEVTA/Pro/Electrical Lab/1(57)/2016/Pt-II
<b>Title of Bid:</b>	Tender for procurement of Equipment/Machinery for Electrical Technology Labs: of Sindh TEVTA Institutions at Karachi/Hyderabad/Mirpurkhas/Sukkur & Larkana Regions (Package-I and II)
<b>No. Of Consignees:</b>	<b>Eight (08)</b> As per list of Consignees attached.
<b>Date of Contract:</b>	<u>26</u> -01-2017.
<b>Date of Completion:</b>	Ninety (90) Days.
<b>Name of Contracting Firm:</b>	M/s. Continental Enterprises (Pvt.) Ltd. GB-28, Techno City Mall, Hasrat Mohani road, Off: I.I. Chundrigar road, Karachi.



**ORIGINAL**

**Challan of Cash/ Cheque paid in the  
National Bank of Pakistan  
Passport Office/ City Court Branch, Karachi.**

Challan No. *52*

To be filled by the remitter

**ORIGINAL**

To be filled by the  
Department Office  
of the Treasury

By whom tendered (Name)

*Jakez*

Signature

TANA SOCIETY  
1492612011

Head of Account

Non-Food  
Account No. 1

D.D.O. Code

**KA-4518**

**Assistant Superintendent  
of Stamps,  
Karachi.**

Order to the Bank

Name (or designation) and address of the  
persons on whose behalf money is paid

Full particulars of the remittance and the  
authority (if any)

Stamp duty Paid on

Rs.

209000

*Special Adhesive*

*B-02702*

Date

Signature and full  
designation of the  
Officer ordering the  
money to be paid in

Total

Rs.

209000

(In words) Rupees

*Two lac and nine*

*thousand*

To be used only in the  
case of remittance to  
Bank through & Officer  
of the Government

Received payment

Treasurer.

National Bank of Pakistan  
City Court Branch, Karachi.  
City: *Karachi*  
Date: *21 JAN 2017*  
Accountant. *(Signature)*  
**CASH RECEIVED**

Date

Treasury Officer/Agent

aff. 3/3/17  
3/11/17

209000/-



TAHA SIDDIQUI STAMP VENDOR  
Licence # 115, Seat # 12, Sh. # 107  
City Centre, Karachi

SR. NO. 10723  
ISSUED TO WITH ADDRESS NO. \_\_\_\_\_  
THROUGH WITH ADDRESS NO. \_\_\_\_\_  
PURPOSE: \_\_\_\_\_  
VALUE RS. \_\_\_\_\_ ATTACHED 5055-HC-Khi.  
STAMP VENDOR SIGNATURE \_\_\_\_\_

76 JAN 2017



10000/-  
24  
P/O

### CONTRACT AGREEMENT

**THIS AGREEMENT** is made on the \_\_\_\_\_, of January, 2017

**BETWEEN**

**Sindh Technical Education & Vocational Training Authority (STEVTA)**  
of Karachi, Pakistan, (hereinafter called "the Purchaser") of the one part

**AND**

**M/s. Continental Enterprises, GB-28, Techno City, Hasrat Mohani Road, Off I.I. Chundrigar Road, Karachi, Pakistan,** (hereinafter called "the Supplier") of the other part.

**WHEREAS** the purchaser invited bids for certain goods and ancillary services, viz: supply of equipment / Machinery for Electrical Technology Labs: for **Sindh TEVTA** Institutions (Package-I) for 08 institutes selected under STEVTA and has accepted a bid by the Supplier for the supply of those goods and services in the sum of Rs.69,574,016/- (Rupees Sixty Nine Million Five Hundred Seventy Four Thousand & Sixteen Only) (hereinafter called "Contract Price").



(A. HAFEEZ ABRO)  
Director (Procurement)  
Sindh TEVTA



Continued.....

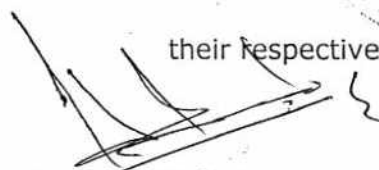
NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Condition of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and constructed as part of this Agreement, viz:
  - a) The Bid and Price Schedule submitted by the Bidder;
  - b) The Schedule of requirements;
  - c) The Technical Specifications;
  - d) The General Conditions of Contract;
  - e) The Special Conditions of Contract; and.
  - f) The Purchaser's Notification of Award.
  - g) The Integrity Pact.



3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity and in all respects within the provision of the Contract.

4. The Purchaser hereby covenants to pay the Supplier, in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of contract at the times and in the manner prescribed by the contract. IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

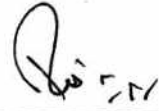
  
**(A. HAFEEZ ABRO)**  
Director (Procurement)  
Sindh TEVTA



Continued.....



(Signature for Purchaser)



(Signature for Supplier)

**( A. HAFEEZ ABRO )  
Director (Procurement)  
Sindh TEVTA**

(Designation / Stamp)

*Proposed*



(Designation / Stamp)

Signed, Sealed and Delivered by the said in the presence of:



(Signature of Witness)

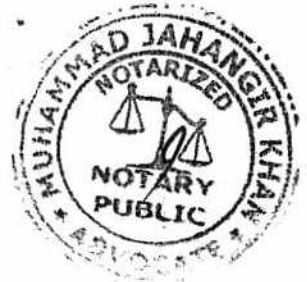


(Signature of Witness)

Name Kamel Saad

Name Asghar

4210136736953





Earnest Money: 2.5% of total bid value

Date of Tender Submission: 25.10.2016 till 11:00 AM  
Date of Opening of Technical Proposal: 25.10.2016 on 11:30 AM

**Bid Submission Sheet**

Date: \_\_\_\_\_  
ICB NO.: \_\_\_\_\_  
Invitation for Bid No.: \_\_\_\_\_  
Alternative No.: \_\_\_\_\_

4  
0848

Chief Director,  
Technical Education &  
Training Authority,

I, \_\_\_\_\_, signed, declare that:

I am fully informed and have no reservations to the Bidding Document, including Addenda No.:

I offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in the Schedule of Supply, the Goods and Related Services.

The total price of our Bid, excluding any discounts offered in item (d) below is: 9,574,016 (Rupees Sixty Nine Million Five hundred Seventy Four thousand and sixteen only -  
discounts offered and the methodology for their application are: \_\_\_\_\_

My Bid shall be valid for a period of 90 days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be forfeited at any time before the expiration of that period;

If my Bid is accepted, we commit to obtain a Performance Security @ 10% of the Contract Price for the due performance of the Contract;

All persons in our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities of these eligible countries; \_\_\_\_\_;

We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;





# Continental Enterprises

IT/ELECTRICAL/MECHANICAL/CIVIL/MARINE  
ENGINEERING SERVICES/SUPPLIES

Monday, 24<sup>th</sup> October, 2016

Deputy Director (Procurement)  
Karachi

## FINANCIAL BID FOR PROCUREMENT OF ELECTRICAL TECHNOLOGY LABORATORY EQUIPMENT/MACHINERY FOR SINDH TEVTA INTITUTES.

Item #	Name of Article	Quantity	Unit Price (in PKR)	Total Price (in PKR)
		(Qty)	(Rs)	(Rs)
	<b>Package-I</b>	--	--	--
	<b>(General Purpose &amp; Power System Laboratory)</b>			
1	Ammeter MI-Type.	40	5,800	232,000
2	Ammeters-PMMC Type	40	5,800	232,000
3	Voltmeters-MI Type	40	5,800	232,000
4	Voltmeters-PMMC Type	40	5,800	232,000
5	Watt Meters.	40	7,250	290,000
6	Low P.F. Watt Meters.	8	5,220	41,760
7	Power Factor Meter	8	14,500	116,000
8	Galvano Meter	40	4,350	174,000
9	Digital Temperature Indicator 9V,	8	15,950	127,600
10	Watt Meters.	48	7,250	348,000
11	Rheostat	40	12,470	498,800
12	Rheostat Variable	40	11,310	452,400
13	1-Ph, Loading Inductor	40	11,600	464,000
14	1-Ph, Variable Capacitor	40	10,150	406,000
15	Dimmer	32	8,700	278,400
16	Transformer	16	4,350	69,600
17	Dual Trace Oscilloscope (New Model Portable)	16	130,500	2,088,000
18	Bread board	32	4,350	139,200
19	Knife Switches	32	4,350	139,200
20	D.C. Regulated Power Supply 0-30V,	40	20,300	812,000



GB-28, Techno City Mall, Hasrat Mohani Road, Off. I.I. Chundrigar Road, Karachi.  
Ph: 021-37011360, 37695256 E-mail: info@centerprises.com.pk



# Continental Enterprises

IT/ELECTRICAL/MECHANICAL/CIVIL/MARINE  
ENGINEERING SERVICES/SUPPLIES

21	3-Phase Variable load	16	58,000	928,000
22	3-Phase auto Transformer	16	43,500	696,000
23	Verification of Superposition Theorem Trainer Kit	32	43,500	1,392,000
24	Verification of Thevenin's Theorem Trainer Kit	32	43,500	1,392,000
25	Verification of Maximum Power Transfer Theorem Trainer Kit	32	43,500	1,392,000
26	Verification of Norton's Theorem Trainer Kit	32	43,500	1,392,000
27	Verification of Kirchoff's Laws Trainer Kit	32	43,500	1,392,000
28	CT	8	18,125	145,000
29	PT	8	18,125	145,000
30	Clip on ammeter	16	11,020	176,320
31	Induction Energy meters	16	5,800	92,800
32	Induction Energy meters	16	26,100	417,600
33	Kelvin's double bridge	16	174,000	2,784,000
34	Insulation tester (Victor)	16	35,525	568,400
35	Earth Tester	40	52,200	2,088,000
36	Phase Sequence meter	16	17,400	278,400
37	Potentiometer	16	145	2,320
38	Lamp Bank	16	10,150	162,400
39	Single phase KWH meter	8	9,280	74,240
40	KWH Meter	8	20,880	167,040
41	Capacitance Bank Local	8	38,280	306,240
42	loading Rheostat	40	62,640	2,505,600
43	VAR Meter	40	5,800	232,000
44	Relay Testing equipment	8	41,760	334,080
45	Motorised oil Test Set	8	777,200	6,217,600
46	Models of different circuit breakers	8	27,840	222,720
47	Over Current relay	8	10,672	85,376
48	Electrical Power System Simulator	8	1,646,620	13,172,960
49	Induction Motor Simulator	8	1,044,370	8,358,960
50	AC High Voltage Unit	8	104,400	835,200
51	AC High Voltage Unit	8	104,400	835,200
52	AC High Voltage Unit	8	104,400	835,200
53	Transmission Line Simulator	8	1,392,000	11,136,000
54	Digital Cable Fault locator testing kit	8	179,800	1,438,400
<b>PACAKGE 01 TOTAL AMOUNT</b>				<b>69,574,016</b>



Handwritten signature and date: 16/10/16

GB-28, Techno City Mall, Hasrat Mohani Road, Off. I.I. Chundrigar Road, Karachi.

Ph: 021-37011360, 37695256 info@centerprises.com.pk

## Schedule of Requirement

Item #	Name of Article	GPI G/Jouhar	GMI Razzakabad	GMI Tando Bago	GMI T/Mir Wah	GMI Mehrabpur	GMI Khipro	GPI Kamar	GMI S/dadkot	Total
	<b>Package-I: (General Purpose &amp; Power System Lab:)</b>									
1	Ammeter MI-Type.	05	05	05	05	05	05	05	05	40
2	Ammeters-PMMC Type	05	05	05	05	05	05	05	05	40
3	Voltmeters-MI Type.	05	05	05	05	05	05	05	05	40
4	Voltmeters-PMMC Type.	05	05	05	05	05	05	05	05	40
5	Watt Meters.	05	05	05	05	05	05	05	05	40
6	Low P.F. Watt Meters.	01	01	01	01	01	01	01	01	08
7	Power Factor Meter	01	01	01	01	01	01	01	01	08
8	Galvano Meter	05	05	05	05	05	05	05	05	40
9	Digital Temperature Indicator 9V,	01	01	01	01	01	01	01	01	08
10	Watt Meters.	06	06	06	06	06	06	06	06	48
11	Rheostat	05	05	05	05	05	05	05	05	40
12	Rheostat Variable	05	05	05	05	05	05	05	05	40
13	1-Ph, Loading Inductor	05	05	05	05	05	05	05	05	40
14	1-Ph, Variable Capacitor	05	05	05	05	05	05	05	05	40
15	Dimmer	04	04	04	04	04	04	04	04	32
16	Transformer	02	02	02	02	02	02	02	02	16
17	Dual Trace Oscilloscope	02	02	02	02	02	02	02	02	16
18	Bread board	04	04	04	04	04	04	04	04	32
19	Knife Switches	04	04	04	04	04	04	04	04	32
20	D.C. Regulated Power Supply 0-30V,	05	05	05	05	05	05	05	05	40
21	3-Phase Variable load	02	02	02	02	02	02	02	02	16
22	3-Phase auto Transformer	02	02	02	02	02	02	02	02	16
23	Verification of Super position Theorem Trainer Kit	04	04	04	04	04	04	04	04	32
24	Verification of Thevenin's Theorem Trainer Kit	04	04	04	04	04	04	04	04	32
25	Verification of Maximum Power Transfer Theorem Trainer Kit	04	04	04	04	04	04	04	04	32
26	Verification of Norton's Theorem Trainer Kit	04	04	04	04	04	04	04	04	32
27	Verification of Kirchhoff's Laws Trainer Kit	04	04	04	04	04	04	04	04	32
28	CT	01	01	01	01	01	01	01	01	08
29	PT	01	01	01	01	01	01	01	01	08
30	Clip on Ammeter	02	02	02	02	02	02	02	02	16
31	Induction Energy meters	02	02	02	02	02	02	02	02	16



Item #	Name of Article	GPI G/Jouhar	GMI Razzakabad	GMI Tando Bago	GMI T/Mir Wah	GMI Mehra bpur	GMI Khipro	GPI Kambar	GMI S/dadkot	Total
32	Induction Energy meters	02	02	02	02	02	02	02	02	16
33	Kelvin's double bridge	02	02	02	02	02	02	02	02	16
34	Insulation tester (Meager)	02	02	02	02	02	02	02	02	16
35	Earth Tester	05	05	05	05	05	05	05	05	40
36	Phase Sequence meter	02	02	02	02	02	02	02	02	16
37	Potentiometer	02	02	02	02	02	02	02	02	16
38	Lamp Bank	02	02	02	02	02	02	02	02	16
39	Single phase KWH meter	01	01	01	01	01	01	01	01	08
40	KWH Meter	01	01	01	01	01	01	01	01	08
41	Capacitance Bank Local	01	01	01	01	01	01	01	01	08
42	loading Rheostat	05	05	05	05	05	05	05	05	40
43	VAR Meter	05	05	05	05	05	05	05	05	40
44	Relay Testing equipment	01	01	01	01	01	01	01	01	08
45	Motorised oil Test Set	01	01	01	01	01	01	01	01	08
46	Models of different circuit breakers	01	01	01	01	01	01	01	01	08
47	Over Current relay	01	01	01	01	01	01	01	01	08
48	Electrical Power System Simulator	01	01	01	01	01	01	01	01	08
49	Induction Motor Simulator	01	01	01	01	01	01	01	01	08
50	AC High Voltage Unit	01	01	01	01	01	01	01	01	08
51	AC High Voltage Unit	01	01	01	01	01	01	01	01	08
52	AC High Voltage Unit	01	01	01	01	01	01	01	01	08
53	Transmission Line Simulator	01	01	01	01	01	01	01	01	08
54	Digital Cable Fault locator testing kit	01	01	01	01	01	01	01	01	08

### LIST OF CONSIGNEES

- 1) Govt. Polytechnic Institute, Gulistan-e-Jouhar, Karachi.
- 2) Govt. Monotechnic Institute, Razzakabad.
- 3) Govt. Monotechnic Institute, Tando Bago.
- 4) Govt. Monotechnic Institute, Tando Mir Wah.
- 5) Govt. Monotechnic Institute, Meherabpur.
- 6) Govt. Monotechnic Institute, Khipro.
- 7) Govt. Polytechnic Institute, Kambar.
- 8) Govt. Monotechnic Institute, Shahdadkot.



## Technical Specifications

Article #	Name of Article	Technical Specifications
<b>Package-I</b>		
1	Ammeters-MI Type.	AC/DC 0-1 Amp. AC/DC 0-1.5 Amp. AC/DC 0-2.5 Amp. AC/DC 0-5 Amp. DC 0-0.5 / 1 Amp. Dynamometer type portable moving coil 150mm DC 0-1.5 / 3 Amp. Uniform Scale with anti parallax mirror , Knife
2	Ammeters-PMMC Type.	DC 0-2.5 / 5 Amp. Edge pointer housed in a Teak wood/ebonite case DC 0- 5 / 10 Amp. 1st grade accuracy +-1% FSD AC/DC 0-150 / 300 V.
3	Voltmeters-MI Type.	AC/DC 0-250 / 500V. AC/DC 0-75 / 150V. DC 0-150V.Dynamometer type portable moving coil 150mm. DC 0-250/500V.Uniform Scale with anti parallax mirror. Knife.
4	Voltmeters-PMMC Type.	DC 0-150/300 V Edge pointer housed in a teak wood/ebonite case. Precision grade DC 0- 15/30V. 1st grade accuracy+-1% FSD Single Phase 2.5/5 Amp. 200/400 V.
5	Watt meters.	Single Phase 5/10 Amp. 250/500 V.
6	Low P.F. Watt meters.	AC, 230V,45-50-55 Hz.
7	Power Factor Meter.	Single Phase 5-10 Amp, 250V.
8	Galvano Meter.	(0-30) Class-A.
9	Digital Temperature Indicator 9V.	3 and 1/2 digital
10	Watt Meters.	Dynamo Type Single Phase, 5A, 250V. 600~, 1A wire wound resistors, Variable three terminal with steel
11	Rheostat.	430~, 1.5A Clamp+ Brush type moving contact +-5 % Tolerance 250~, 2.5A 120~, 4A 1 00~, 5A wire wound resistors, Variable three terminal with steel
12	Rheostat Variable.	450~, 1A Clamp+ Brush type moving contact +- 5 % Tolerance 1000~, 0.8A 92~, 2.2A 240~, 1.5A
13	1-Ph, Loading Inductor.	1 Ph, 230V, 10 Amp
14	1-Ph, Variable Capacitor.	1 Ph, 230V, 5 Amp
15	Dimmer.	Input-230V output 270V 20Amp. Single Phase, 50Hz, 230V/20V, 0.5KVA
16	Transformer.	Single Phase, 50Hz, 230V/6-12V, 0.5KVA
17	Dual Trace Oscilloscope.	Scientific, 20MHz, digital storage oscilloscope-HM205-2.
18	Bread board.	Bread board.
19	Knife Switches.	SPDT, DPST, SPST, DPDT
20	D.C. Regulated Power Supply 0-30V.	2Amp. 10kW, 230V.
21	3-Phase Variable load.	20kW, 230V
22	3-Phase auto Transformer	230V, 20A
23	Verification of Superposition Theorem Trainer Kit.	Verification of Superposition Theorem Trainer



Article #	Name of Article	Technical Specifications
24	Verification of Thevenin's Theorem Trainer Kit.	Verification of Thevenin's Theorem Trainer Kit
25	Verification of Maximum Power Transfer Theorem Trainer Kit.	Verification of Maximum Power Transfer Theorem Trainer Kit
26	Verification of Norton's Theorem Trainer Kit	Verification of Norton's Theorem Trainer Kit.
27	Verification of Kirchhoff's Laws Trainer Kit	Verification of Kirchhoff's Laws Trainer Kit
28	CT.	25/5 Amp - 100/5 Amp -
29	PT.	400 V / 100 V ,
30	Clip on ammeter.	AC & DC 0-300A
31	Induction Energy meters.	1 Phase 230 V, 10 A
32	Induction Energy meters.	3 Phase Four Wire, 3x4 15V, 3x1 0 A
33	Kelvin's double bridge.	With Galvanometer
34	Insulation tester (Meager).	As per standard 500 / 1000 V
35	Earth Tester.	As per standard
36	Phase Sequence meter	Rotating Type
37	Potentiometer	With Slide Wire
38	Lamp Bank.	230 V 0-20 A
39	Single phase KWH meter	Phase, 230 V, 10 A
40	KWH Meter	3 Phases, 4000 V, 20 A 50Hz
41	Capacitance Bank Local	3 Phase, 400 V , 20 A, 5KVAR-10KVAR
42	loading Rheostat	1 Phase, 0-7.5 KW
43	VAR Meter	as per standard
44	Relay Testing equipment	Model TRM 100D
45	Motorised oil Test Set	Input- 240V, 50Hz, 1-Ph a.c. Output- 0-100kV,a.c.
46	Models of different circuit breakers	Low tension air circuit breaker.( including protective devices )Minimum oil circuit breaker ( M O C B ) Miniature circuit breaker ( M C B ) Moulded case circuit breaker ( M C C B ) Earth Leakage circuit breaker ( E L C B ) or Residual leakage circuit ,t breaker ( R L C B ), Sulphur - Hexa fluoride circuit breaker ( S F 6 ), Vacuum Circuit breaker.,
47	Over Current relay	Should have PSM & TSM Setting Suitable for 5 Amp Rating
48	Electrical Power System Simulator	Complete with Accessories - Motor Generator Set and Transformer with Protective Relays (230 V AC & 230 DC supply )
49	Induction Motor Simulator	With Facility to create and simulate different faults of Indication Motor
50	AC High Voltage Unit	Input 240V, 50Hz, 1-Ph, Output 0-30kV, Capacity 100mA on H.T. 3KVA Enclosure: in two parts: 1) Control panel Air cooled , 2) H.V. Transformer oil cooled
51	AC High Voltage Unit	Input 240V, 50Hz, 1-Ph, Output 0-5kV A.C.
52	AC High Voltage Unit	with one end earth potential, Capacity 1 00mA on output.
53	Transmission Line Simulator	Complete with Accessories - to Simulate short , Medium & Long Transmission
54	Digital Cable Fault locator testing kit	Model No. 5199



# General Conditions of Contract

## 1. Definitions

- 1.1 In this Contract, the following terms shall be interpreted as indicated:
- (a) "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
  - (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
  - (c) "The Goods" means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract.
  - (d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
  - (e) "GCC" means the General Conditions of Contract contained in this section.
  - (f) "SCC" means the Special Conditions of Contract.
  - (g) "The Purchaser" means the organization purchasing the Goods, as named in SCC.
  - (h) "The Purchaser's country" is the country named in SCC.
  - (i) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
  - (j) "The World Bank" means the International Bank for Reconstruction and Development (IBRD) or the International Development Association (IDA).
  - (k) "The Project Site," where applicable, means the place or places named in SCC.
  - (l) "Day" means calendar day.

## 2. Application

- 2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.





- 3. Country of Origin**
- 3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules of the World Bank, as further elaborated in the SCC.
- 3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.
- 4. Standards**
- 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution.
- 5. Use of Contract Documents and Information; Inspection and Audit by the Bank**
- 5.1 The Supplier shall not, without the Purchaser’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The Supplier shall not, without the Purchaser’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.
- 5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier’s performance under the Contract if so required by the Purchaser.
- 5.4 The Supplier shall permit the Bank to inspect the Supplier’s accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Bank, if so required by the Bank.

- 6. Patent Rights** 6.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Purchaser's country.
- 7. Performance Security** 7.1 Within twenty (20) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Purchaser the performance security in the amount specified in SCC.
- 7.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Purchaser and shall be in one of the following forms:
- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Purchaser's country, in the form provided in the bidding documents or another form acceptable to the Purchaser; or
  - (b) a cashier's or certified check.
- 7.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.
- 8. Inspections and Tests** 8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. SCC and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.
- 8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.



8.4 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Purchaser's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods' shipment from the country of origin.

8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

## 9. Packing

9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Purchaser.

## 10. Delivery and Documents

10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.

10.2 For purposes of the Contract, DDP trade term used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of *Inco terms* published by the International Chamber of Commerce, Paris.

10.3 Documents to be submitted by the Supplier are specified in SCC.

## 11. Insurance

11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is seller's responsibility.

## 12. Transportation

12.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination within the Purchaser's country, transport to such place of destination in the Purchaser's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.



### 13. Incidental Services

13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract;
- (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.

### 14. Spare Parts

14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
  - (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
  - (ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.



## 15. Warranty

- 15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser.
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

## 16. Payment

- 16.1 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.
- 16.2 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.
- 16.3 The currency of payment is Pak. Rupees.

## 17. Prices

- 17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Purchaser's request for bid validity extension, as the case may be.



- 18. Change Orders** 18.1 The Purchaser may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:
- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
  - (b) the method of shipment or packing;
  - (c) the place of delivery; and/or
  - (d) the Services to be provided by the Supplier.
- 18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.
- 19. Contract Amendments** 19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
- 20. Assignment** 20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent.
- 21. Subcontracts** 21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.
- 21.2 Subcontracts must comply with the provisions of GCC Clause 3.
- 22. Delays in the Supplier's Performance** 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.
- 22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.



22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.

### **23. Liquidated Damages**

23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24.

### **24. Termination for Default**

24.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or
- (b) if the Supplier fails to perform any other obligation(s) under the Contract.
- (c) if the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.



24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

**25. Force Majeure**

25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**26. Termination  
for Insolvency**

26.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

**27. Termination  
for  
Convenience**

27.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:





- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

**28. Resolution of Disputes**

- 28.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed and/or arbitration.

**29. Governing Language**

- 29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

**30. Applicable Law**

- 30.1 The Contract shall be interpreted in accordance with the laws of the Purchaser's country, unless otherwise specified in SCC.

**31. Notices**

- 31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.
- 31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

**32. Taxes and Duties**

- 32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.



## Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

### 1. Definitions (GCC Clause 1)

GCC 1.1 (g)—The Purchaser is: *Project Management Unit (PMU), SSDP, STEVTA*

GCC 1.1 (h)—The Purchaser's country is: *Pakistan*

GCC 1.1 (i)—The Supplier is: \_\_\_\_\_

#### *Sample Provision*

GCC 1.1 (j)—The Project Site is: *List Annexed.*

### 2. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Part Two Section VI of the bidding documents, "Eligibility for the Provisions of Goods, Works, and Services in Bank Financed Procurement". (N/A)

### 3. Performance Security (GCC Clause 7)

GCC 7.1—The amount of performance security, as a percentage of the Contract Price, shall be: *10% of Contract Value*

GCC 7.4—After delivery and acceptance of the Goods, the performance security shall be reduced to **Two (2) percent** of the Contract Price to cover the Supplier's warranty obligations in accordance with Clause GCC 15.2 for items mentioned at S. Nos. 1, 3, 5, 13, 18 and 26 in the Equipment list. If it is the Manufacturer's warranty 2% will not be deducted.

### 4. Inspections and Tests (GCC Clause 8)

*Sample approval of the items shall be carried by the purchaser.*

GCC 8.6—Inspection and tests prior to shipment of Goods and at final acceptance are as follows: *Either at the Office of The Project Director, PMU, SSDP, STEVTA Headquarter, Street#19, Block-6, Near NIPA Chowrangi, Gulshan-e-Iqbal, Karachi.*

*OR at the outlet/godown of bidding firm, as per convenience of Procuring Agency.*

### 5. Packing (GCC Clause 9)

GCC 9.3—The following SCC shall supplement GCC Clause 9.2:

*The bidder shall arrange all the articles for inspection at above mentioned address.*

### 6. Delivery and Documents (GCC Clause 10)

GCC 10.3—Upon shipment, the Supplier shall notify the Purchaser the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document.



**7. Insurance (GCC Clause 11)**

GCC 11.1— The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers responsibility. Since the Insurance is sellers responsibility they may arrange appropriate coverage.

**8. Incidental Services (GCC Clause 13)**

GCC 13.1—Incidental services to be provided are:

- a) On-site assembly / Fitting / placement of Generators and Air-conditioners.
- b) Electrification for all electric appliances
- c) On-site Training to the relevant staff on operation, maintenance of Generators.

**9. Spare Parts (GCC Clause 14)**

GCC 14.1—Additional spare parts requirements are: *N/A*

**10. Warranty (GCC Clause 15)**

GCC 15.2—In partial modification of the provisions, the warranty period shall be *twelve (12)* months from date of acceptance for the entire stores.

The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:

- (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4.

or

- (b) pay liquidated damages to the Purchaser with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be *(0.5% per week)*.

GCC 15.4 & 15.5—The period for correction of defects in the warranty period is: *15 days*.

**11. Prices (GCC Clause 17)**

GCC 17.1—Prices shall be adjusted in accordance with provisions in the Attachment to SCC: *N/A*

**12. Liquidated Damages (GCC Clause 23)**

GCC 23.1—Applicable rate: *(0.5%) percent per week*

Maximum deduction: *Ten (10) percent of the Contract Price*

**13. Resolution of Disputes (GCC Clause 28)**

GCC 28.3—The dispute resolution mechanism to be applied pursuant to GCC Clause 28.2 shall be as follows:

In the case of a dispute between the Purchaser and the Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Purchaser's country.



#### 14. Operational Requirements

The following modus operandi was discussed and agreed by both the parties; i.e. STEVTA and the Contracting firm:

- 1) Both the Packages I & II should be designed to form a complete system for teaching Power System and Electrical Machines respectively.
- 2) The system should be a learning system including both Hardware & Courseware integrated to cover technical and vocational education in Power System & Electrical Machines.
- 3) All measuring and control equipment should be placed in a cabinet including panels with mimic diagrams connection terminals & exercise surface for approx three students.
- 4) Installation, Commissioning and Teacher Training for the system should be carried out by OEM Engineer at Institute.
- 5) Manuals containing Comprehensive Technical Description as well as users guide with Experiments (approximate 30) should be provided.

#### 15. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language shall be: *English*

#### 16. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan which includes the following legislation:

**The Employment of Children (ECA) Act 1991**  
**The Bonded Labour System (Abolition) Act of 1992**  
**The Factories Act 1934**

#### 16. Notices (GCC Clause 31)

GCC 31.1—Purchaser's address for notice purposes:

*Office of the Managing Director,  
STEVTA Headquarter,  
Street#19, Block-6, Near NIPA Chowrangi,  
Gulshan-e-Iqbal, Karachi.*

Supplier's address for notice purposes:

**M/s. Continental Enterprises (Pvt.) Ltd,**  
**GB-28, Techno City Mall,**  
**Hasrat Mohani road, Off I.I. Chundrigar road,**  
**Karachi – Pakistan.**



**Sindh Technical Education &  
Vocational Training Authority (STEVTA)**

ST-19, Block-6, Gulshan-e-Iqbal, Karachi.  
Tel: 021-99244112-7, Fax No.021-99244118  
web: <http://www.stevta.gos.pk>



No. STEVTA/Pro/Electrical Lab/1(57)/2016/Pt-1/568

Karachi, dated the 28<sup>th</sup> Dec, 2016.

To,

M/s. Continental Enterprises (Pvt.) Ltd.  
GB-28, Techno City Mall,  
Hasrat Mohani Off. I.I. Chundrigar Road,  
**Karachi.**

**SUBJECT: PURCHASE ORDER FOR PROCUREMENT OF EQUIPMENT/MACHINERY FOR ELECTRICAL TECHNOLOGY LABS OF SINDH TEVTA INSTITUTES AT KARACHI, HYDERABAD, SUKKUR, MIRPURKHAS & LARKANA REGIONS.**

Kindly refer to your Bid submitted to STEVTA for supply of Equipment/Machinery for Electrical Technology Labs for Sindh TEVTA Institutes at Karachi, Hyderabad, Sukkur, Mirpurkhas & Larkana Regions. It is informed that your bid have been found 1<sup>ST</sup> Lowest Procurement Committee has recommended and approval of the Competent Authority to Award the Contract to your firm at the total price Rs. 69,574,016/- as quoted, as per details of specifications & quantities, given below:-

Item #	Item Name	Specifications	Quantity	Rate per Unit	Amount
			(Qty)	(PKR)	(PKR)
<b>Package-I General Purpose &amp; Power Laboratory:-</b>					
1	<b>Ammeters-MI Type.</b>	AC/DC 0-1 Amp. AC/DC 0-1.5 Amp. AC/DC 0-2.5 Amp. AC/DC 0-5 Amp. DC 0-0.5 / 1 Amp. Dynamometer type portable moving coil 150mm DC 0-1.5 / 3 Amp. Uniform Scale with anti parallax mirror, Knife. (Made in China Assembled Local).	40	5,800	232,000
2	<b>Ammeters-PMMC Type.</b>	DC 0-2.5 / 5 Amp. Edge pointer housed in a Teak wood/ebonite case DC 0- 5 / 10 Amp. 1st grade accuracy +-1% FSD AC/DC 0-150 / 300 V. (China).	40	5,800	232,000
3	<b>Voltmeters-MI Type.</b>	AC/DC 0-250 / 500V. AC/DC 0-75 / 150V. DC 0-150V.Dynomometer type portable moving coil 150mm. DC 0-250/500V.Uniform Scale with anti parallax mirror, Knife. (China Assembled Local).	40	5,800	232,000
4	<b>Voltmeters-PMMC Type.</b>	DC 0-150/300 V Edge pointer housed in a teak wood/ebonite case. Precision grade DC 0- 15/30V.1st grade	40	5,800	232,000



Item	Item Name	Specifications	Quantity	Rate per Unit	Amount
			(Qty)	(PKR)	(PKR)
		accuracy+-1% FSD Single Phase 2.5/5 Amp. 200/400 V. (China Assembled Local).			
5	<b>Watt meters.</b>	Single Phase 5/10 Amp. 250/500 V. (China Assembled Local).	40	7,250	290,000
6	<b>Low P.F. Watt meters.</b>	AC, 230V,45-50-55 Hz. (China Assembled Local).	8	5,220	41,760
7	<b>Power Factor Meter.</b>	Single Phase 5-10 Amp, 250V. (China Assembled Local).	8	14,500	116,000
8	<b>Galvano Meter.</b>	(0-30) Class-A. (China Assembled Local).	40	4,350	174,000
9	<b>Digital Temperature Indicator 9V.</b>	3 and 1/2 digital. (China).	8	15,950	127,600
10	<b>Watt Meters.</b>	Dynamo Type Single Phase, 5A, 250V. 600~, 1A wire wound resistors, Variable three terminal with steel. (China Assembled Local).	48	7,250	348,000
11	<b>Rheostat.</b>	430~, 1.5A Clamp+ Brush type moving contact +-5 % Tolerance 250~, 2.5A 120~, 4A 100~, 5A wire wound resistors, Variable three terminal with steel (China Assembled Local).	40	12,470	498,800
12	<b>Rheostat Variable.</b>	450~, 1A Clamp+ Brush type moving contact +- 5 % Tolerance 1000~, 0.8A 92~, 2.2A 240~, 1.5A (Local).	40	11,310	452,400
13	<b>1-Ph, Loading Inductor.</b>	1 Ph, 230V, 10 Amp (Local).	40	11,600	464,000
14	<b>1-Ph, Variable Capacitor.</b>	1 Ph, 230V, 5 Amp (Local).	40	10,150	406,000
15	<b>Dimmer.</b>	Input-230V output 270V 20Amp. Single Phase, 50Hz, 230V/20V, 0.5KVA (China Assembled Local).	32	8,700	278,400
16	<b>Transformer.</b>	Single Phase, 50Hz, 230V/6-12V, 0.5KVA (Local).	16	4,350	69,600
17	<b>Dual Trace Oscilloscope.</b>	Scientific, 20MHz, digital storage oscilloscope-HM205-2. (China).	16	130,500	2,088,000
18	<b>Bread board.</b>	Bread board (China).	32	4,350	139,200
19	<b>Knife Switches.</b>	SPDT, DPST, SPST, DPDT (Local).	32	4,350	139,200
20	<b>D.C. Regulated Power Supply 0-30V.</b>	2Amp. 10kW, 230V. (Local).	40	20,300	812,000
21	<b>3-Phase Variable load.</b>	20kW, 230V (Local Model No. 480VAC-20KWB-R)	16	58,000	928,000
22	<b>3-Phase auto Transformer</b>	230V, 20A (China).	16	43,500	696,000
23	<b>Verification of Superposition Theorem Trainer Kit.</b>	Verification of Superposition Theorem Trainer (China).	32	43,500	1,392,000



Item #	Item Name	Specifications	Quantity	Rate per Unit	Amount
			(Qty)	(PKR)	(PKR)
24	Verification of Thevenin's Theorem Trainer Kit.	Verification of Thevenin's Theorem Trainer Kit (China).	32	43,500	1,392,000
25	Verification of Maximum Power Transfer Theorem Trainer Kit.	Verification of Maximum Power Transfer Theorem Trainer Kit (China).	32	43,500	1,392,000
26	Verification of Norton's Theorem Trainer Kit	Verification of Norton's Theorem Trainer Kit. (China).	32	43,500	1,392,000
27	Verification of Kirchhoff's Laws Trainer Kit	Verification of Kirchhoff's Laws Trainer Kit (China).	32	43,500	1,392,000
28	CT.	25/5 Amp - 100/5 Amp - (Local).	8	18,125	145,000
29	PT.	400 V / 100 V (Local).	8	18,125	145,000
30	Clip on ammeter.	AC & DC 0-300A (China).	16	11,020	176,320
31	Induction Energy meters.	1 Phase 230 V, 10 A (China).	16	5,800	92,800
32	Induction Energy meters.	3 Phase Four Wire, 3x4 15V, 3x1 0 A (China).	16	26,100	417,600
33	Kelvin's double bridge.	With Galvanometer (China).	16	174,000	2,784,000
34	Insulation tester (Meager).	As per standard 500 / 1000 V (China).	16	35,525	568,400
35	Earth Tester.	As per standard (China).	40	52,200	2,088,000
36	Phase Sequence meter	Rotating Type (China).	16	17,400	278,400
37	Potentiometer	With Slide Wire (China Local Assembled).	16	145	2,320
38	Lamp Bank.	230 V 0-20 A (Local).	16	10,150	162,400
39	Single phase KWH meter	Phase, 230 V, 10 A (China).	8	9,280	74,240
40	KWH Meter	3 Phases, 4000 V, 20 A 50Hz (China).	8	20,880	167,040
41	Capacitance Bank Local	3 Phase, 400 V, 20 A, 5KVAR-10KVAR (Local).	8	38,280	306,240
42	loading Rheostat	1 Phase, 0-7.5 KW (Local Model No. MOD-3018-R).	40	62,640	2,505,600
43	VAR Meter	as per standard (China).	40	5,800	232,000
44	Relay Testing equipment	Model TRM 100D (China Model No. PS-22).	8	41,760	334,080
45	Motorized oil Test Set.	Input- 240V, 50Hz, 1-Ph a.c. Output- 0-100kV,a.c. (China).	8	777,200	6,217,600
46	Models of different circuit breakers	Low tension air circuit breaker.( including protective devices )Minimum oil circuit breaker ( M O C B ) Miniature circuit breaker ( M C B ) Molded case circuit breaker ( M C C B )Earth Leakage circuit breaker ( ELCB ) or Residual leakage circuit ,t breaker (RLCB),	8	27,840	222,720

Item #	Item Name	Specifications	Quantity	Rate per Unit	Amount
			(Qty)	(PKR)	(PKR)
		Sulphur - Hexa fluoride circuit breaker (SF6), Vacuum Circuit breaker. (China).			
47	<b>Over Current relay</b>	Should have PSM & TSM Setting Suitable for 5 Amp Rating (China).	8	10,672	85,376
48	<b>Electrical Power System Simulator</b>	Complete with Accessories - Motor Generator Set and Transformer with Protective Relays (230 V AC & 230 DC supply) (Local).	8	1,646,620	13,172,960
49	<b>Induction Motor Simulator</b>	With Facility to create and simulate different faults of Indication Motor (Local).	8	1,044,870	8,358,960
50	<b>AC High Voltage Unit</b>	Input 240V, 50Hz, 1-Ph, Output 0-30kV, Capacity 100mA on H.T. 3KVA Enclosure: in two parts: 1) Control panel Air cooled, 2) H.V. Transformer oil cooled (Local).	8	104,400	835,200
51	<b>AC High Voltage Unit</b>	Input 240V, 50Hz, 1-Ph, Output 0-5kV A.C. (Local).	8	104,400	835,200
52	<b>AC High Voltage Unit</b>	with one end earth potential, Capacity 1 00mA on output (Local).	8	104,400	835,200
53	<b>Transmission Line Simulator</b>	Complete with Accessories - to Simulate short, Medium & Long Transmission (Local).	8	1,392,000	11,136,000
54	<b>Digital Cable Fault locator testing kit</b>	Model No. 5199 (China).	8	179,800	1,438,400
<b>Total :-</b>					<b>69,574,016/-</b>

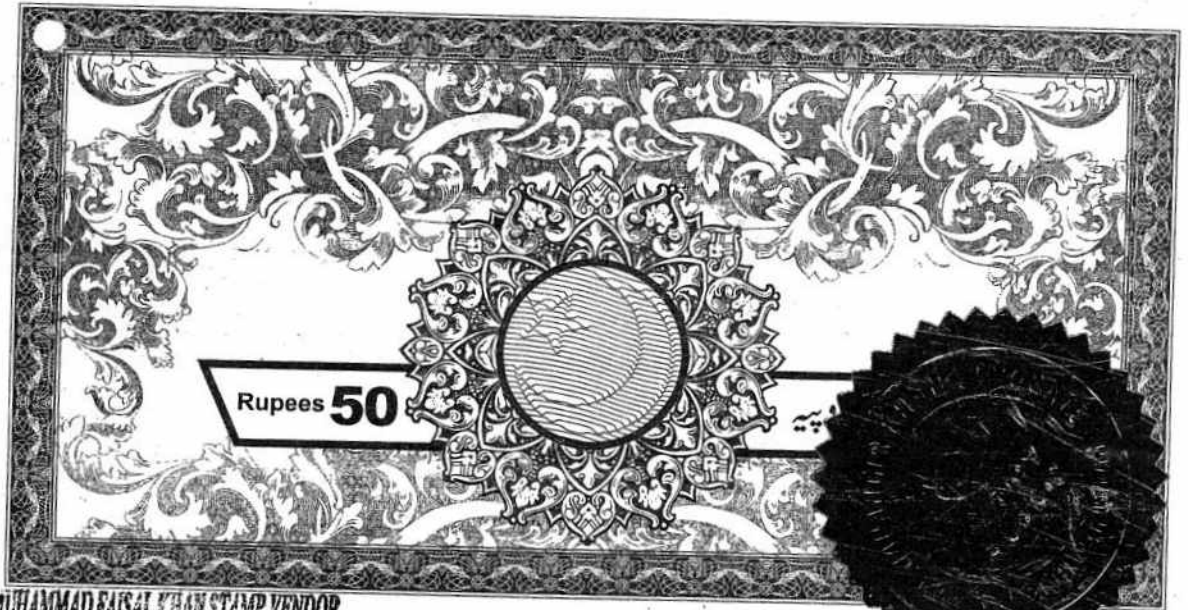
You are hereby requested through this letter to submit your acceptance along with Performance Security @ 10% of the contract value/amount, within Seven (7) days receipt of this letter and sign the contract documents, failing which this bid offer will stand cancelled.

All terms and conditions mentioned in the tender document shall remain the same.

Sd/-  
( MUZAFFAR ALI BHUTTO )  
Deputy Director (Procurement)



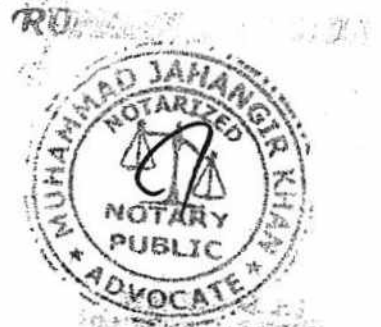




**MUHAMMAD FAISAL KHAN STAMP VENDOR**  
License No. 124, 23rd Flr. S.T. Magmar Tower  
Gulshan-e-Wayyar Karachi.

S. NO.  
DATE 03 JAN 2017 117572

ISSUED TO WITH ADDRESS *S. Wajahat*  
THROUGH WITH ADDRESS Advocate  
PURPOSE *A*  
NOT FOR USE AS GARNTEE/INVOICE/VOUCE  
VENDOR NOT RESPONSIBLE FOR FARE DOCUMENTATION



Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: STEVTA/Proc/Electrical Labs/1(57)/Pt-II//2016/568 Dated 28.12.2016.

Contract Value: Rs.69,574,016/- (Package-I).

Contract Title: Machinery/Equipment for 08 Electric Labs at institutes of STEVTA.

M/s. Continental Enterprises, Karachi, hereby declares that it has not obtained or induced the procurement of any contract, right, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, M/s. Continental Enterprises, Karachi, represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.



*S. Wajahat*



*[Handwritten signature]*

