

OFFICE OF THE
DISTRICT OFFICER EDUCATION
L ARKANA

No:DEO/ADP-2014-15/

of 2015

Larkana dated

TENDER NOTICE

- 1) Separate sealed Tenders are invited from eligible firms/bidders/ contractors registered with Income Tax & Sales Tax Department for following works under District ADP-2014-15 (Revenue Component) in single stage-two envelope procedure as per rule No: 46 (2) of SPPRA 2010.

S#	Description	Quantity	Bid Submission And Technical Bid Opening DATE & Time	Financial Bid Opening Date & Time	Bidding Document Value	Earnest Money / Bid Security
1.	Furniture & Other Equipment	Mentioned in Bidding Documents	May 29,2015 Bid Submission 1:00 pm Bid Opening 2:00 pm	June 05, 2015 1:00 pm	Rs. 1000	2% of Bid Cost
2.	Auditorium Hall	Mentioned Bidding Documents	May 29,2015 Bid Submission 1:00 pm Bid Opening 2:00 pm	June 05, 2015 1:00 pm	Rs. 500	2% of Bid Cost
3.	Science Equipment	Mentioned Bidding Documents	May 29,2015 Bid Submission 1:00 pm Bid Opening 2:00 pm	June 05, 2015 1:00 pm	Rs. 200	2% of Bid Cost

Tender forms can be had from this office on any working day during the office hours against payment (Non-Refundable) as mentioned above, with a written request for issuance of bids / tender documents. Or same can be downloaded from the website of SPPRA. Bidders who intend to download from SPPRA website can send their Pay Order of Tender Fee through Courier.

Bids should be submitted in the office of District Education Officer Larkana, at the address mentioned above, on the specified dates for submission. Received bids shall be opened on the bid opening date as mentioned above, on the specified dates for submission. Received bids shall be opened on the bid opening date as mentioned above.

A set of instruction to Bidding Firms is mentioned in the Tender Document, wherein a transparent procedure.

Bids will be rejected, if following conditions are not followed:

- i. Conditional and telegraphic bids / tenders.
- ii. Bids not accompanied with bid security of required amount and form.
- iii. Bids received after the specified date and time.
- iv. Bids of blacklisted firms or Litigator bidding firms

Procuring Agency reserves the right to reject all or any bid(s) subject to the relevant provisions of Sindh Public Procurement Rules 2010/2013.

This notice can be traced from the website of SPPRA www.pprasindh.gov.pk.

For further details, information or clarifications please contact the undersigned.

(ANWAR ALI KHOKHAR)
DISTRICT EDUCATION OFFICER
LARKANA
Phone No: 074-9410554



**OFFICE OF THE
DISTRICT EDUCATION OFFICER
LARKANA**

TENDER DOCUMENT

FOR THE YEAR 2014-2015

TENDER No. _____

FOR

“Purchase of Furniture”

Tender issued to M/s _____

Last Date of submission of Bid _____

Date of opening of Technical Bid _____

Date of opening of Financial Bid _____

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1.1 Introduction.

Office of the DISTRICT EDUCATION OFFICER LARKANA , intends to “**purchase of Furniture items**” required for Education & Institution District Larkana for the financial Year 2014-2015 from eligible bidders through open tenders bidding process under SPPRA 2010 as provided in rule # 46 (2) Single stage – two envelope procedure as under:

- a. Bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- b. Envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion;
- c. Initially, only the envelope marked “TECHNICAL PROPOSAL” will be opened;
- d. Envelope marked as “FINANCIAL PROPOSAL” will be retained in the custody of Office of the District Education Officer Larkana without being opened and it will be opened in presence of bidders who stand qualified in the technical evaluation, for which date, time and venue will be communicated to the bidders in advance.

The NIT was published in various daily newspapers, on SPPRA Website.

1.2 Preparation of Proposal.

1.2.1 Technical Proposal:

- 1) While preparing Technical Proposal Bidding firm(s) are expected to examine the documents comprising this invitation in detail, as deficiencies in providing the information requested may result in rejection of the proposal.
- 2) The Technical proposal should provide the information as mentioned in Section # 2.
- 3) To establish the conformity for items & services as required through this TENDER Document, the bidder shall furnish as part of its Technical Proposal, a detailed description of the Bidder’s proposed items conforming in all material aspects with the Technical Requirements both overall as well as in regards to the performance of each proposed items.
- 4) Please note that the technical proposal shall not include any financial information.
- 5) Attach photocopy of earnest money Pay Order/Bank Guarantee with Technical Proposal and omit amount figure.

1.2.2 Financial Proposal:

- 1) While preparing the financial proposal, bidders(s) are expected to take into account the requirement and conditions of the invitation documents.
- 2) The Financial proposal should follow instructions as mentioned in section 3.
- 3) It should provide detailed costs associated with the assignment and all other out of pocket expenses such as, recurrence expenses, unforeseen expenses, maintenance charges, parts and material charges, deployment of technical staff and services charges etc.
- 4) The bidder shall quote for whole scope of work i.e along with items/ parts/ and associated services etc.
- 5) Rates should be based on F.OR / C&F terms, with free delivery to the Site at Larkana Region Larkana by bearing of all Government taxes/levies such as Income Tax, GST, FED, Stamp Duty Excise or what so ever may be in practice.
- 6) Attach Original Pay Order / Bank Guarantee of earnest money with Financial proposal.
- 7) 5% Earnest Money must be equal to bid value in shape of Pay Order /D.D. or Bank Guarantee in favor of District Education Officer Larkana. As per SPPRA rule No. 37, the earnest money Pay Order / Bank Guarantee will be returned to the unsuccessful bidder. The Successful bidder will be returned Earnest Money after receiving Performance Guarantee Bond as provided in SPPRA Rule No. 39, refer to section 5.2 of this bid document.
- 8) The Data sheet shows validity of bid up to 90 days. The District Education Officer Larkana will make its best effort to complete technical clarification (if needed) within this period. Proposal validity may be extended with mutual consent.

1.3 Bid Price.

- 1) The Bid Document showing complete details of project, scope of work, terms and conditions etc, is available on provision of Rs. 1000/- Bank DD/PO/Bank in favor of Office of the District Education Officer Larkana Director School Education Larkana Region Larkana , on any working day till 29.05.2015 to 12.00 Noon.
- 2) The bidder shall bear all costs associated with the preparation and submission of bid and **Office of the District Education Officer Larkana** will in no case be responsible or liable for those costs, regardless of the outcome of the bidding process,

1.4 Payment.

- 1) All payments will be made in the currency of Quotation.
- 2) Payment will be made as per Government Practice through Cross cheque/LC

1.5 Language of Bidding.

The bid must be prepared and submitted in English language. Supporting documents and printed literature furnished by the bidder with the bid may be in another language as long as they are accompanied by an English translation of the pertinent passages. For the purpose of interpretation of the Bid, English language shall prevail.

1.6 Confidentiality.

- 1) Information relating to the evaluation of proposals and recommendations concerning award shall not be disclosed to the bidder(s) who submitted the proposals or to other persons not officially concerned with the process, until the award of Contract is notified to the successful firm(s).
- 2) Information related to the examination evaluation, comparison and post qualification of Proposals, and recommendation of contract award, shall not be disclosed to Bidders or any other persons.
- 3) Any attempt by a Bidder to influence **Office of the District Education Officer Larkana** in the examination, evaluation, comparison, and post – qualification of the Proposals or Contract award decisions will result in the rejection of its proposals.
- 4) The bidder must provide an undertaking on judicial paper stating to maintain confidentiality and binding that the documents provided under this bid are correct and can be verified from concerned authorities.
- 5) **Use of Documents and Information by external & internal Audit.**

The Bidder shall permit Office of the Purchase & Store Officer to inspect their accounts and records relating to the performance of the supplier and to have them audited by auditors appointed by the Office of the District Education Officer Larkana, if so required by the Office of the District Education Officer Larkana can directly contact the references given in the technical requirement as a part of TENDER DOCUMENT to verify bidder's technical reasons supporting compliance.

1.7 Bid Validity:

- 1) Bid shall remain valid and open for acceptance for a period of 90 days from the specified date of tender opening.
- 2) In exceptional circumstances prior to expiry of the original bid validity period, the bidder may be requested in writing for an extension of the period of validity. A bidder agreeing to such request will not be permitted to modify his bid. A bidder not agreeing to such request may be withdrawn at the discretion of Office of the District Education Officer Larkana

1.8 Amendment of Bidding Documents:

- 1) At any time prior to the deadline for submission of Bids, Office of the Purchase & Store Officer may for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder can modify the Bidding Documents by making essential amendment.
- 2) The amendment shall be the part of the Bidding Documents, and will be notified in writing through fax or letter by courier or shall be made available on the official website to all prospective bidders who have received the Bidding Documents.

1.9 Clarification (S) / Queries of Tender:

- 1) The bidders are expected to carefully examine all instructions, forms and specifications in the Bidding Documents. Any Bidder in doubt as to the exact meaning or interpretation of any part of the Bidding Documents should immediately seek clarification in writing from the Office of the District Education Officer Larkana.
- 2) Requests for all clarifications in regard to the given specifications or other information contained in Tender Documents should come either through E-mail/Fax or Courier to Office of the District Education Officer Larkana. Telephone enquiries may not be entertained.
- 3) Any inquiry received after 4.6.2015 will not be entertained.

1.10 Contradictions, Obscurities and Omissions:

The Bidder should likewise notify to the above of any contradictions, obscurities and omissions in the Bidding Documents if clarification of these is necessary for the clear understanding of the documents and for preparation of the Bid. Such enquires must reach to the Office of the District Education Officer Larkana five days prior to the bid submission date.

OFFICE OF THE DISTRICT EDUCATION OFFICER LARKANA

Technical Proposal: BILL OF QUANTITIES

Technical Specification for furniture Equipment etc 2014-15

S.No:	NAME OF ITEM WITH SPECIFICATION	TECHNICAL SPECIFICATION OFFERED BY CONTRACTOR
01	<p><u>TEACHER TABLE</u> Size 48"x30"x30", Made of solid shesham wood , leg Size 2" X 2" (4 Nos) Frame patti 2 " X 1 ¼" foot rest 2 ½" X 1 ¼" with two drawers lock & key With hande Top ¾" thick chip board with textured formica Pasted with Germon white glue drawers front 7/8" thick solid Sheashm wood drawers sides and back ¾" thick deovdar wood</p>	
02	<p><u>OFFICE TABLE.</u> Size 48"x36"x30", legs 2"x2" (06 No s.) Leg patties upper 2"x1", leg patties lower 2"x1, drawers 20"x14"x4", one side 03 No s. , panels ½", drawers locking strip, 1 ½"x1" with 2 hinges screw ¾" Chip Board 48"x30"x ¾", formica teaks colour, hard board press lock (local made)01 No., Top formica hard board should be used in side the bottom ofthe drawer, spirit polish seasoned talli wood hard board should be pressed with glue in side the chip board, ends veneered sheesham, top formica.</p>	
03	<p><u>OFFICE TABLE.</u> Size 60"x48"x30", legs 2"x2" (06 No s.) Leg patties upper 2"x1", leg patties lower 2"x1, drawers 20"x14"x4", two side 03 No s. , panels ½", drawers locking strip, 1 ½"x1" with 2 hinges screw ¾" Chip Board 48"x30"x ¾", Formica teaks colour, hard board press lock (local made)01 No., Top formica hard board should be used inside the bottom of the drawer, spirit polish seasoned talli wood hard board should be pressed with glue inside the chip board, ends veneered sheesham, top formica.</p>	
04	<p><u>REVOLVING NETED CHAIR FOR OFFICER</u> Standard size Shesham Wood Sprit Polished.</p>	
05	<p><u>TEACHERS TABLE (FORMIC TOP).</u> Size 3. x2 ½ , .2 chip Board size Hard Board should be Used in side chip board pressed with glue. Legs 2" x2" (4 Nos o). Leg patties bracket upper and lower 2 ½ 2x1"x1, respectively, drawers 18"x2" 01 No. On right side with steel knob. Penal ½" with upper drawer in upper angle 1" thick locking arrangements should be used, ply wood in the bottom of the drawer be used. spirit, polish (Shesham wood)..</p>	
06	<p><u>CHEMISTRY TABLE.</u> Size 90"x48"x36", Top planks 90"x48"x1 ½" not more than 5 planks. Legs 3"x3" (6 Nos.) Upper patties 4"x1 ½" (4 Nos.) Lower patties 2 ½ x1 ½" (03 Nos.) should be used inside the top planks at equal distance with wise. Drawers 20"x14"x6" (04 Nos.) Two on each side with brass lock, local made, ply wood used in the bottom of drawers. Sink 24"x18"x9" (02 Nos) each side 1 ½" thick with four 2 Nos. 3 way swan type water taps and 4 way gas tap brass made be provided. Best seasoned wood joints with rips and glued spirit polish, pack made water and gas tap (Seasoned she sham wood</p>	
07	<p><u>PHYSICS (SMALL SIZE) TABLE.</u> 6'X4' X3' Top plank 6, x4, x1 ¼" thick, made of seasoned she sham wood top only. Not more than 5 planks groove but joints may be fixed with rips and glued supported patties may be used inside the top planks (2 Nos.) leg 4 Nos. size 2 ½" x2 ½" upper patties 3 ½"x1 ½", lower patties 2 ½" x1 ¼". Brackets may be</p>	

	used two drawers on each side total 4 drawer's front and back side. Size of the drawers 20" in length 14"x6" ply wood or hard board may be used in the bottom of the drawers, Karakunda and locking arrangements may be provided, joints glued superior polish, seasoned she sham wood.	
08	<u>BIOLOGY TABLE (BIG SIZE).</u> Size 8"x2 ½" x3" Top plank 8"x2 ½"x1" made of seasoned wood without Defects top only not more than 3 pieces but joints may be fixed with Rips and glued. Supported patties may be used inside the top planks (2 Nos). Legs 6 size 2 ½"x2 ½", upper patties 3" x 1 ¼", lower patties 2" x 1 ¼" Joints glued superior polish seasoned she sham wood, Pakistani sink 18"x12".	
09	<u>CLASS CHAIR with arms SHESHAM WOOD</u> 36" height 20" x 18" x 17" Leg patti 2" x 1¼". Front leg 25" x 2" x with neatng.	
10	<u>DUAL DESK.</u> Size 45"x 30 Dual Desk wooden Shesham wood, Thick top planks 48" X10"x1", inkpot Patti 48"x4"x1" shelf 8"x ¾" for books 43"x8"x ¾, Seat 45"x10".	
11	<u>ROSTRUM / DICE TABLE.</u> 4"x2"x18", legs 2"x2", Upper patties slanting 6"x1", slope lower patties 2"x1 ¼" and formica top.	
12	<u>MONO DESK.</u> 30"x21"x30" Top 10"x1" inkpot path 3"x1" seat 21"x10"x1" back patties 21"x3"x1" Shesham wood Book shelve 6"x ¾"x6"x ¾".	
13	<u>DUAL DESK WOODEN STRUCTURE FOR.</u> Size 36" x 30" x 30", Thick Top Planks 36" x 9"x1", Ink Pot Patti 36" x 4" x 1", Shelf 7" x ¾",for Books 36" x 7" x ¾" Seat 36" x 10" x 1", Side Plank 7" x 1" Leg 3" x 2", All Material Should be made by solid Shesham wood with Sprit Polish.	
14	<u>DUAL DESK(WOODEN STRUCTURE)</u> Size 48" x 34" x 30" Dual Desk Wooden Shesham Wood.Support Brackets 8 Nos: 1- ½" thick. Top plank 48" x 10" x 1". Ink pot Patti 48" x 4" x 1" shat plank 48" x 10" 1" Seat back 48" x 4" x 1" shelf plank for Books 48" x 8" x ¾ .	
15	<u>LABARTORY STOOL.</u> Height 2 ½". Top 12"x12"x1". Legs 2"x2", Frame patties 2"x1", Supporting patties 2"x1". Superior English polish seasoned shesham Wood	
17	<u>STEEL ALMIRAH.</u> 6'x42"x18" four shelves 22 Gage Sheet Handle lock system with spray paint.	
18	<u>BACKLESS BENCH.</u> 6' x 16" Top Plank 11" thick 1" Lower Patti 2" x 1¼" Leg 6 Nos Thickness 2½" x 2½"	
19	<u>CLASS TABLE</u> 3½' x 2' x 2½'. With one drawer from right side Leg 2" x 2" four numbers – Leg patties 2 ½" x 1 ¼" Top wood with sprit polished, standard size	
20	<u>STEEL ALMIRAH (HALF SIZE)</u> All 20 SWG Steel with double Handle lock and key control method High 48" excluding legs, breath 35",depth 15",three shelves and four equal compartments with spray Hammer Paint.	
21	<u>STEEL ALMIRAH</u> Size: 72"x34"x18", 4 shelves, 5 compartments, 20 SWG, All sides, top, bottom, shelf & back made of one piece steel sheet and same gauge., looking system with Metallic handle and key holes cover in Nickel. Almirah shall be in gray synthetic enamel spray paint (Hammer Finish).	
22	Supply and installation of Auditorium Chair at side with Arms Seat Folding,Seat & back cushion with 4" Molty Foam cover with best quality Lather Regzine imported color approved by the committee, seat and back foam mounted on steel sheet 22 SWG	

	with frame made by 2”X1” 16 SWG pipe foot of the chair made ½” thick steel sheet, all steel parts powder coated.	
23	Supply & installation of Auditorium Chair base wooden shesham side with arms, seat & back cushion with 4” Molty Foam cover with best quality cloth , color approved by the committee.	
24	Stage Table 21’X4’ in three pieces with 12 legs 3”X2 ½”X2 ½” Top Formicas chip board ¾”.	
25	Presiding chair wooden shesham with arm seat & back cushion 4” molty foam cover with best quality cloth color approved by the committee.	
26	Public Address System. TOA Amplifier Model No A-1724 (240 W) or equivalent TOA Colum Speaker Model No TZ-206 TOA Mic DM 1200 with Stand Wireless MIC HDDR Cable with Labor	
27	Monitor Speakers 4 to 8 channel Amplifier 2) 16 Channel Mixer 3) 4 Standing Speakers (large Size) 4) Wire Mic 5) Wireless mic 6) Radio for Wireless control	

Objective of the project:

- The main aim of the turn key solution is to effectively execute the project and run successfully without any conflict of interest.
- The responding organization must consider the entire solution on the turn key basis and can only add additional components as per approved design.
- The above mentioned requirements are the minimum guidelines for proposing the solution.

The Bidder should provide:

- 1) Schedule of Delivery and Plan for Installation / Deployment.
- 2) Details of previously executed projects and Customer’s satisfactory Certificate.

3 Eligibility Criteria

1. This set of bid documents has been prepared under guidelines as laid down in SPPRA Rules 2010 and provide a clear basis upon which tenderers will be evaluated, following an objective process based on fair and transparent criteria. However the tenderer's should submit relevant information clearly and follow instructions to submit their relevant documentary proofs in proper order as defined herein and should not defer, so that it should not impose an excessive burden of preparation or paperwork.
2. Firms would be denied who do not meet the specified criteria. Thus, those who prepare documentation for this bid are responsible for ensuring that the criteria are drawn in accordance with the appropriate needs of the tender and that the criteria are sufficiently stringent to assure that only properly qualified firms are included in the final list.
3. The Procurement Committee will not accept offers of:
 - 3.1 Blacklisted firms,
 - 3.2 General Order suppliers,
 - 3.3 Junk Contractors
 - 3.4 Who may not have experience of 10 years business Existence?
4. Tenderers should submit an affidavit on judicial paper stating that their firm is not falling in the area as specified above.
5. The Tendering process invites maximum number of firms to participate and meet the pre-requisite requirements laid down in this bid document.
6. Bidding is open to the contractors, suppliers and joint ventures from within the country or abroad who full fill the requirement of this tender.

Where a firm, its affiliates or parent company, in addition to consulting also has the capability to fulfill the requirement, can also apply

3.1 Evaluation Criteria

The clear statement/Criteria for the eligibility requirements are given in following table. Applicants who wish to apply for participating in this tendering process may prepare their profile exactly in-accordance of the criteria set herein.

A) Legal (Mandatory) Requirement

Description	Marks
Registered of firm.	10
Legal Status e.g. <ul style="list-style-type: none">- NTN Certificate,- GST Certificate- Professional Tax Certificate- Chamber of Commerce Certificates	20
Under-tacking on Judicial Pager	10
Last 5 years Annual Income Tax Returns	15
Last 12 Months (Jan-Dec 2014) Sales Tax Summaries (do not attach SALES TAX "RETURNS", "RECEIPTS", OR "ACKNOWLEDGEMENTS")	15

B) Technical / Professional Requirements

Relevant Experience with proof	20
<ul style="list-style-type: none">• Delivery, deployment and Installation Schedule	10

- Total Marks 100 marks
- The firms who will acquire minimum 70 marks will stand as technically qualified.

NOTE: SPPRA Rule No. 49 The bidder with the lowest evaluated cost, but not necessarily the lowest submitted price, shall be awarded the procurement contract

- a. **Legal (Mandatory) Requirement**, if Responding Organization fails to provide single component of mandatory requirement it will stand as ineligible.

- b. The Evaluation committee of District Education Officer LARKANA on the parameters given in the tender appendixes will make technical evaluation. Rating for the technical evaluation will be as per format given as above. The evaluation shall be on the basis of bidder's responsiveness to the Terms of Reference.

The The Procurement Committee of District Education Officer LARKANA will apply an evaluation criteria and point of system to evaluating the bids technically. A proposal shall be rejected at this stage if it does not respond to the important aspects of the Terms of Reference.

- c. The Procurement Committee of District Education Officer LARKANA will notify the bidding firm of rejection of their technical proposal indicating reasons that their financial proposal if any will be returned unopened after completing the selection process.
- d. The Procurement Committee of District Education Officer LARKANA will notify in writing to the firm(s) qualifying for technical score, and indicate the date, time and address for opening of financial proposal. Same will also be published on the official website of SPPRA.
- e. On opening the financial proposal i.e. in the presence of the bidding firm(s) representative who wish to attend, the Procurement Committee of District Education Officer LARKANA will announce the names of firms their technical scores and the amounts of their financial proposals.

4 Financial Proposal:

Financial Proposals of only the technically qualified bidders would be opened and, evaluated / compared on the following basis:-

- 1) Bidders shall prepare their Financial proposal as per Scope of Work as per section 2
- 2) Bidder shall attaché Original Pay Order/Bank Guarantee of Earnest Money along with Financial Proposal.
- 3) Bidder shall quote prices of material, Installation cost for the material in accordance of the requirement of project and as per their Technical Proposal.
- 4) Bidder shall clearly mention the Make, Model and Country of Origin of the material and quote Unit price also mention Warranty period.
- 5) The financial proposals shall first be checked for any error of computation and arithmetic errors will be corrected.
- 6) If a bidder does not accept the correction of errors, its bid will be rejected and its bid security may be forfeited.
- 7) Firms should submit their Financial proposals on TURNKEY basis, those who do not submit their quotations for whole items will stand as disqualified OR the procurement Committee of District Education Officer LARKANA may apply a FORCED MEASURE for Items and Services that are required but have been left out or are necessary to correct minor deviations of the proposal will be added to the total proposal price using cost taken from the highest prices from other responsive proposals for the same item and Services, or in the absence of such information the cost will be estimated at prevailing list prices.
- 8) For the purpose of evaluation / comparison of bids, total lump sum cost will be considered of each category.
- 9) Total evaluated financial cost of each responsive bidder shall be the basis of merit ranking of the Financial Proposal of the bid.

4.1 Preparation of Results for successful Bidders:

1. Sum of figure of the Technically acquired weight + figure of Financially acquired weight will be accumulated.
2. The highest scoring firm will be considered as 1st Lowest and so on.

The decision of the Procurement Committee of District Education Officer LARKANA will be binding on all concerned and will in no case be challengeable at any forum.

Signature & Stamp of Bidder

5) Post Tendering Formalities

5.1 Signing of Contract.

Within (10) working days after notification to the successful bidder regarding acceptance of his bid and submission of the contract incorporating all agreements between the parties will be signed. The Contract agreement will be affixed with revenue stamps @ 0.3% of contract value as per stamp act. For sample of agreement is attached at the end of bid document.

5.2 Performance Guarantee.

As provided in SPPRA Rule # 39 the successful bidder shall furnish and submit 10% of Contract value as Security in shape of DD/Pay order or Bank Guarantee. Upon receiving Performance Guarantee, the Earnest Money Pay Order/Bank Guarantee will be returned to the successful bidding firm.

5.3 Deliveries & Liquidated Damages

- a) **Delivery plan:** The Responding Organization shall provide a detailed delivery, installation and configuration plan. Bidder should provide the life line, which should describe exactly what and how material will be delivered, installed and configured. Delivery plan should not be in generic terms but should be specific to this assignment, Activities, schedule should be in tabular form mentioning names of tasks, sub tasks, start date, finish date resources and milestones will also be appreciated
- b) Should the **progress** of the Contract at any time be lagging behind the program agreed between the Procurement Committee of District Education Officer LARKANA and the Contractor, the Procurement Committee of will notify the Contractor in writing and the Contractor shall there upon take such steps as he / she may deem fit to **expedite the progress** of the Contract. Non-issuance of this notice by the Procurement Committee of District Education Officer LARKANA shall not in any way absolve the Contractor of the liquidated damages as stated in below section.

- c) If the Contractor **fails to complete the Contract**, in full or part, within the time laid down in the Contract Agreement or any extension thereof, there shall be deducted from the Contract Price, as **liquidated damages**, a sum of one half of one percent (0.5%) of the **Contract price** of each unit of the delayed Stores for each calendar week of delay subject to the maximum of five percent (5%) of the Contract Price of the unit or units so delayed, and such deduction shall be in full satisfaction of the Contractor's liability for the said failure.

5.4 Extension of Time

If the completion of the Contract is delayed due to reason beyond the control of the Contractor, the Contractor shall without delay request the Office of District Education Officer LARKANA, in writing, of his **claim** for an extension of time. The Office of The District Education Officer LARKANA on receipt of such request may agree to **extend the completion date** as may be reasonable in the circumstances of the case but without prejudice to other terms and conditions of the Contract.

5.5 Partial Shipments

The Procurement Committee of District Education Officer LARKANA accepts partial shipments and also allows partial payments subject to pre-information and agreement.

5.6. Installation, Demonstration and Inspections

- a) After delivery of material the **Contractor shall install** those items of Stores which are to be permanently positioned in place in the sections as located by the Office of the District Education Officer LARKANA
- b) **Taking Over:** Upon receipt of the equipment in the stores the bidder may obtain issue a **taking-over certificate** in respect of those items of Stores which are received in acceptable condition.
- c) After receiving material at stores, it will be issued to the Contractor on demand for installation at sites.

- d) The **inspection** will be carried on the material provided. The responsibility for the quality, quantity, correctness and adherence to the Specifications etc. of the Stores shall lie solely and squarely on the Contractor.
- e) An **inspection report**, which, inter-alia, should indicate the condition, Quality for the items received at stores, shall be signed by the in charge/end-user/storekeeper.

5.7. Completion Certificate

After completion of the installation and demonstration, as stated above, a certificate is to be obtained by the Contractor from the end-user stating that the stores (item-wise) have been satisfactorily installed and demonstrated by the Contractor.

5.8 Maintenance

- a. **MAINTENANCE PLAN:** The Responding Organization shall provide a detailed maintenance plan of the IT infrastructure, installation and configuration plan. Bidder should provide the life line, which should describe exactly what and how material will be managed, installed and configured. Maintenance plan should not be in generic terms but should be specific to this assignment, Activities, parts; maintenance schedule should be in tabular form mentioning names of tasks, sub tasks, start date, finish date resources and milestones will also be appreciated.
- b. Provide Maintenance details / breakup / trouble shouting plan etc.
- c. Assign qualified Human resources and make him responsible for execution of project and bear their cost e.g. lodging boarding, daily allowances and all recurrence costs.
- d. The Responding Organization should submit a detailed life line plan of material.
- e. In the event any portion of the Stores supplied by the Contractor is found **defective in material or workmanship**, or otherwise not in conformity with the requirements of the Contractor, the Procurement Committee shall have the right to reject or require, in writing, rectification of the Stores. In the later case, the Contractor shall with utmost diligence, and at his own expense, make good the defects so specified or replace the defective Stores. If the Contractor fails

to rectify or replace the rejected Stores, the Procurement Committee may adopt any of the following options:

- i) **replace or rectify**, at its option, such defective Stores and charge to the Contractor the excess cost occasioned, plus (15%) fifteen percent; or
- ii) acquire the said Stores **at a reduced price** considered equitable under the circumstances; or
- iii) **Terminate the Contract.**

5.9 Post Deployment Support & Services or Warranty

- a) Bidder is required to provide support services till 12 months or more from the date of supply, in this regard an under-tacking on company letter head is required to be submitted along with the technical proposal.
- b) Contractor will be bound to provide after-sale-support during warranty period as provided by the manufacturer

5.10 Breach of Contract

- a) In case of breach of warranty / guarantee or Contract, the **damages** suffered by the Office of The District Education Officer LARKANA shall be **recovered from the Contractor** out of any payment due to the Contractor and / or in accordance with the terms and conditions of the terms and conditions of the Contract Security / Performance Bond, without notice to the Contractor.

The District Education Officer LARKANA may upon written notice of default to the Contractor **terminate the Contract** in the circumstances detailed hereunder:

- i) If in the judgment of the District Education Officer LARKANA, the Contractor fails to make delivery of the stores within the time specified in the Contract Agreement or within the period for which extension has been granted by the District Education Officer LARKANA; and
 - ii) If, in the judgment of the District Education Officer LARKANA, the Contractor fails to comply with any of the other provisions of the Contract.
- b). In the event the District Education Officer LARKANA terminates the Contract, in whole or in part, as provided in above, the District Education

Officer LARKANA reserves the right to **purchase**, on such terms and the conditions as it may deem appropriate, Stores similar to the one terminated, and the Contractor will be liable to the District Education Officer LARKANA for any additional costs for such **similar Stores**, and / or for liquidated damages for delay, as defined in above Clause of the Conditions of Contract until such reasonable time as may required for the final supply of the Stores.

- c). If the Contract is terminated, as provided in above, the District Education Officer LARKANA in addition to any other rights provided in this Clause, may require the Contractor to **transfer title** and deliver to the District Education Officer LARKANA under any of the following cases in the manner and as directed by the Procurement Committee.

Any **completed Stores**; and

Such **partially completed Stores**, drawings, information and contract right (hereinafter called manufacturing material) as the Contractor has specifically produced or acquired for the performance of such parts of the Contract as has been terminated.

- e) In the event the District Education Officer LARKANA does not terminate the Contract, as provided above, the Contractor shall continue with the performance of his / her Contract, in which case the Contractor shall to liable to the Procurement Committee for **liquidated damages for delay** as set out in above Clause until the Stores are accepted.

ARTICLES OF AGREEMENT

This Agreement made this _____ day of _____ 2015, by and between the Purchase & Store Officer District Education Officer LARKANA, hereinafter called the "DEOL", of the one part,

And M/s _____, located at _____, hereinafter called the "**Contractor**" which expression shall include their successors, legal representatives of the second part.

Whereas the **U.S.** requires supply of _____ and whereas the **Contractor** has agreed to supply, install, put into operation and demonstrate the working of the said Equipment valued at **Rs.** _____ and words (_____) in the period of 12 months, subject to the terms and conditions set forth, hereinafter, which have been accepted by the **Contractor**.

Now this Agreement witnesses 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** hereinafter referred to.
2. The following documents which, for the purpose of identification, have been signed by _____ on behalf of the **Contractor**, and **U.S.**, all of _____ (name and designation of the authorized person)

Which shall be deemed to form and be read and construed as a part of this **Agreement** viz.?

- a) Articles of Agreement;
 - b) Instructions to Tenderers;
 - c) Conditions of Contract;
 - d) Contractor's Offer including the relevant correspondence prior to signing of this Agreement with all Annexures duly filled in.
 - e) The specifications of the equipment; and
 - f) Bill of Quantity with prices.
3. In consideration of the payment to be made to the Contractor, the **Contractor** hereby **covenants** with the Office of the Purchase & Store Officer to supply, deliver, install, put into operation and demonstrate the working of the Equipment in conformity in all respects of the Contract & the order No. _____

4. The **U.S.** hereby **covenants to pay** the Contractor in consideration of the supply, delivery, installation, putting into operation and demonstration of the working of the Equipment the contact price in the manner prescribed by the Contract and approved by the Purchase & Store Officer.

In Witness Thereof the parties have hereunto set their respective hands and seals, the day, month and year first above written.

WITNESSES:

Director School Education Larkana Region _____ Contractor _____

Witness No.1:

Witness No.1:

OFFICE OF THE DISTRICT EDUCATION OFFICER LARKANA

**List of Material / BOQ
FINANCIAL PROPOSAL 2014-15**

S.No:	NAME OF ITEM WITH SPECIFICATION	Qty:	Rate per Unit	Amount
01	<u>TEACHER TABLE</u> Size 48"x30"x30", Made of solid shesham wood , leg Size 2" X 2" (4 Nos) Frame patti 2 " X 1 ¼" foot rest 2 ½" X 1 ¼" with two drawers lock & key With hande Top ¾" thick chip board with textured formica Pasted with Germon white glue drawers front 7/8" thick solid Sheashm wood drawers sides and back ¾" thick deovdar wood	20		
02	<u>OFFICE TABLE.</u> Size 48"x36"x30", legs 2"x2" (06 No s.) Leg patties upper 2"x1", leg patties lower 2"x1, drawers 20"x14"x4", one side 03 No s. , panels ½", drawers locking strip, 1 ½"x1" with 2 hinges screw ¾" Chip Board 48"x30"x ¾", formica teaks colour, hard board press lock (local made)01 No., Top formica hard board should be used in side the bottom ofthe drawer, spirit polish seasoned talli wood hard board should be pressed with glue in side the chip board, ends veneered sheesham, top formica.	06		
03	<u>OFFICE TABLE.</u> Size 60"x48"x30", legs 2"x2" (06 No s.) Leg patties upper 2"x1", leg patties lower 2"x1, drawers 20"x14"x4", two side 03 No s. , panels ½", drawers locking strip, 1 ½"x1" with 2 hinges screw ¾" Chip Board 48"x30"x ¾", Formica teaks colour, hard board press lock (local made)01 No., Top formica hard board should be used inside the bottom of the drawer, spirit polish seasoned talli wood hard board should be pressed with glue inside the chip board, ends veneered sheesham, top formica.	04		
04	<u>REVOLVING NETED CHAIR FOR OFFICER</u> Standard size Shesham Wood Sprit Polished.	08		
05	<u>TEACHERS TABLE (FORMIC TOP).</u> Size 3. x2 ½ , .2 chip Board size Hard Board should be Used in pressed with glue. Legs 2" x2" (4 Nos o). Leg patties bracket uppe 2x1"x1, respectively, drawers 18"x2" 01 No. On right side with stee with upper drawer in upper angle 1" thick locking arrangements sho wood in the bottom of the drawer be used. Superior quality spirit, (wood)..	12		
06	<u>CHEMESTRY TABLE.</u> Size 90"x48"x36", Top planks 90"x48"x1 ½" not more than 5 planks. Legs 3"x3" (6 Nos.) Upper patties 4"x1 ½" (4 Nos.) Lower patties 2 ½ x1 ½" (03 Nos.) should be used inside the top planks at equal distance with wise. Drawers 20"x14"x6" (04 Nos.) Two on each side with brass lock, local made, ply wood used in the bottom of drawers. Sink 24"x18"x9" (02 Nos) each side 1 ½" thick with four Compartments. 2 Nos. 3 way swan type water taps and 4 way gas tap brass made be provided. Best seasoned wood joints with rips and glued spirit polish, pack made water and gas tap (Seasoned she sham wood	02		
07	<u>PHYSICS (SMALL SIZE) TABLE.</u> 6'X4' X3' Top plank 6, x4, x1 ¼" thick, made of seasoned she sham wood top only. Not more than 5 planks groove but joints may be fixed with rips and glued supported patties may be used inside the top planks (2 Nos.) leg 4 Nos. size 2 ½" x2 ½" upper patties 3 ½"x1 ½", lower patties 2 ½" x1 ¼". Brackets may be used two drawers on each side total 4 drawer's front and back side. Size of the drawers 20" in length 14"x6" ply wood or hard board may be	02		

	used in the bottom of the drawers, Karakunda and locking arrangements may be provided, joints glued superior polish, seasoned she sham wood.			
08	<u>BIOLOGY TABLE (BIG SIZE).</u> Size 8"x2 ½" x3" Top plank 8"x2 ½"x1" made of seasoned wood without Defects top only not more than 3 pieces but joints may be fixed with Rips and glued. Supported patties may be used inside the top planks (2 Nos). Legs 6 size 2 ½"x2 ½", upper patties 3" x 1 ¼", lower patties 2" x 1 ¼" Joints glued superior polish seasoned she sham wood, Pakistani sink 18"x12".	02		
09	<u>CLASS CHAIR with arms SHESHAM WOOD</u> 36" height 20" x 18" x 17" Leg patti 2" x 1¼". Front leg 25" x 2" x 2" with neating.	60		
10	<u>DUAL DESK.</u> Size 45"x 30" Dual Desk wooden Shesham wood, Thick top planks 48" X10"x1", inkpot Patti 48"x4"x1" shelf 8"x ¾" for books 43"x8"x ¾, Seat 45"x10".	600		
11	<u>ROSTRUM / DICE TABLE.</u> 4"x2"x18", legs 2"x2", Upper patties slanting 6"x1", slope lower patties 2"x1 ¼" and formica top.	12		
12	<u>MONO DESK.</u> 30"x21"x30" Top 10"x1" inkpot path 3"x1" seat 21"x10"x1" back patties 21"x3"x1" Shesham wood Book shelve 6"x ¾"x6"x ¾".	40		
13	<u>DUAL DESK WOODEN STRUCTURE FOR.</u> Size 36" x 30" x 30", Thick Top Planks 36" x 9"x1", Ink Pot Patti 36" x 4" x 1", Shelf 7" x ¾",for Books 36" x 7" x ¾" Seat 36" x 10" x 1", Side Plank 7" x 1" Leg 3" x 2", All Material Should be made by solid Shesham wood with Sprit Polish.	50		
14	<u>DUAL DESK(WOODEN STRUCTURE)</u> Size 48" x 34" x 30" Dual Desk Wooden Shesham Wood.Support Brackets 8 Nos: 1- ½" thick. Top plank 48" x 10" x 1". Ink pot Patti 48" x 4" x 1" shat plank 48" x 10" 1" Seat back 48" x 4" x 1" shelf plank for Books 48" x 8" x ¾.	50		
15	<u>LABARTORY STOOL.</u> Height 2 ½". Top 12"x12"x1". Legs 2"x2", Frame patties 2"x1", Supporting patties 2"x1". Superior English polish seasoned shesham Wood	40		
17	<u>STEEL ALMIRAH.</u> 6'x42"x18" four shelves 22 Gage Sheet Handle lock system with spray paint.	10		
18	<u>BACKLESS BENCH.</u> 6' x 16" Top Plank 11" thick 1" Lower Patti 2" x 1¼" Leg 6 Nos Thickness 2½" x 2½"	800		
19	<u>CLASS TABLE</u> 3½' x 2' x 2½'. With one drawer from right side Leg 2" x 2" four numbers – Leg patties 2 ½" x 1 ¼" Top wood with sprit polished, standard size	10		
20	<u>STEEL ALMIRAH (HALF SIZE)</u> All 20 SWG Steel with double Handle lock and key control method High 48" excluding legs, breath 35",depth 15",three shelves and four equal compartments with spray Hammer Paint.	10		
21	<u>STEEL ALMIRAH</u> Size: 72"x34"x18", 4 shelves, 5 compartments, 20 SWG, All sides, top, bottom, shelf & back made of one piece steel sheet and same gauge., looking system with Metallic handle and key holes cover in Nickel. Almirah shall be in gray synthetic enamel spray paint (Hammer Finish).	05		
22	Supply and installation of Auditorium Chair at side with Arms Seat Folding,Seat & back cushion with 4" Molty Foam cover with best quality Lather Regzine imported color approved by the committee, seat and back foam mounted on steel sheet 22 SWG with frame made by 2"X1" 16 SWG pipe foot of the chair made ½" thick steel sheet, all steel parts powder coated.	300		

23	Supply & installation of Auditorium Chair base wooden shesham side with arms, seat & back cushion with 4" Molty Foam cover with best quality cloth , color approved by the committee.	300		
24	Stage Table 21'X4' in three pieces with 12 legs 3"X2 ½"X2 ½" Top Formicas chip board ¾".	04		
25	Presiding chair wooden shesham with arm seat & back cushion 4" molty foam cover with best quality cloth color approved by the committee.	04		
26	Public Address System. TOA Amplifier Model No A-1724 (240 W) or equivalent TOA Colum Speaker Model No TZ-206 TOA Mic DM 1200 with Stand Wireless MIC HDDR Cable with Labor	01		
27	Monitor Speakers 4 to 8 channel Amplifier 2) 16 Channel Mixer 3) 4 Standing Speakers (large Size) 4) Wire Mic 5) Wireless mic 6) Radio for Wireless control	01		

Signature of Tenderer

CERTIFICATE

We guarantee to supply the stores exactly in accordance with the requirements specified in the invitation to this Tender by stipulated delivery date.

Signature of Tender : _____

Name & Designation: _____

Address: _____

OFFICE OF THE DISTRICT EDUCATION OFFICER LARKANA

List of Material / BOQ
TECHNICAL PROPOSAL 2014-15

FOR AUDITORIUM HALL

S.No:	NAME OF ITEM WITH SPECIFICATION	TECHNICAL SPECIFICATION OFFERED BY CONTRACTOR
01	Supply and installation of Auditorium Chair at side with Arms Seat Folding, Seat & back cushion with 4" Molty Foam cover with best quality Lather Regzine imported color approved by the committee, seat and back foam mounted on steel sheet 22 SWG with frame made by 2"X1" 16 SWG pipe foot of the chair made 1/2" thick steel sheet, all steel parts powder coated.	
02	Supply & installation of Auditorium Chair base wooden shesham side with arms, seat & back cushion with 4" Molty Foam cover with best quality cloth , color approved by the committee.	
03	Stage Table 21'X4' in three pieces with 12 legs 3"X2 1/2"X2 1/2" Top Formicas chip board 3/4".	
04	Presiding chair wooden shesham with arm seat & back cushion 4" molty foam cover with best quality cloth color approved by the committee.	
05	Public Address System. TOA Amplifier Model No A-1724 (240 W) or equivalent TOA Colum Speaker Model No TZ-206 TOA Mic DM 1200 with Stand Wireless MIC HDDR Cable with Labor	
06	Monitor Speakers 4 to 8 channel Amplifier 2) 16 Channel Mixer 3) 4 Standing Speakers (large Size) 4) Wire Mic 5) Wireless mic 6) Radio for Wireless control	

Signature of Tenderer

OFFICE OF THE DISTRICT EDUCATION OFFICER LARKANA

**List of Material / BOQ
FINANCIAL PROPOSAL**

FOR AUDITORIUM HALL 2014-15

S.No:	NAME OF ITEM WITH SPECIFICATION	Qty:	Rate per Unit	Amount
01	Supply and installation of Auditorium Chair at side with Arms Seat Folding, Seat & back cushion with 4" Molty Foam cover with best quality Lather Regzine imported color approved by the committee, seat and back foam mounted on steel sheet 22 SWG with frame made by 2"X1" 16 SWG pipe foot of the chair made ½" thick steel sheet, all steel parts powder coated.	300		
02	Supply & installation of Auditorium Chair base wooden shesham side with arms, seat & back cushion with 4" Molty Foam cover with best quality cloth , color approved by the committee.	300		
03	Stage Table 21'X4' in three pieces with 12 legs 3"X2 ½"X2 ½" Top Formicas chip board ¾".	04		
04	Presiding chair wooden shesham with arm seat & back cushion 4" molty foam cover with best quality cloth color approved by the committee.	04		
05	Public Address System. TOA Amplifier Model No A-1724 (240 W) or equivalent TOA Colum Speaker Model No TZ-206 TOA Mic DM 1200 with Stand Wireless MIC HDDR Cable with Labor	01 Set		
06	Monitor Speakers 4 to 8 channel Amplifier 2) 16 Channel Mixer 3) 4 Standing Speakers (large Size) 4) Wire Mic 5) Wireless mic 6) Radio for Wireless control	01 set		

Signature of Tenderer

OFFICE OF THE DISTRICT EDUCATION OFFICER LARKANA

LIST SCIENCE EQUIPMENT FOR THE YEAR 2014-15 TECHNICAL PROPOSAL

S.No:	NAME OF ITEM WITH SPECIFICATION	SPECIFICATION OFFERED BY CONTRACTOR
1	CHEMISTRY Hydrochloric Acid	
2	Nitric acid 450Gram	
3	Acetic acid 450Gram	
4	Ammonium chloride	
5	Alum Potash 450Gram	
6	Borax 450Gram	
7	Calcium bi-carbonate 450Gram	
8	Calcium Carbonate 450Gram	
9	Copper Sulphate 100Gram	
10	Distilled Water Bottle	
11	Filter papers one sheet	
12	Litmus papers (Red & Blue) one sheet.	
13	Magnesium Ribbers Pkt	
14	Methyl Orange 450ml	
15	Phenolphthalein 450ml	
16	Plaster of Pans Pkt: 250 gram	
17	Potassium di-chromate 450Gram	
18	Silver nitrate 10Gram	
19	Sodium bi-carbonate Kg	
20	Sodium Chloride Kg	
21	Sodium Nitrate Kg	
22	Sulphur Powder 100Gram	
23	Zinc granules 01Gram	
24	Sulphuric acid 450 MI	
25	Calcium Hydroxide 450Gram	
26	Calcium Oxide 450Gram	
27	Carbon disulphide 450Gram	
28	Copper turnings 100Gram	
29	Glycerin 100Gram	
30	Iodine 50Gram	
31	Magnesium Sulphate 50Gram	
32	Methyl Spirit Bot 250 MI	
33	Potassium Chlorate 450Gram	
34	Potassium hydroxide 100Gram	
35	Sodium Hydroxide 450Gram	
36	Sodium Nitrate 1 gram	
37	Wax	
38	Compound micro Scope with 250 magnified capacity.	
39	Physical balance common	
40	Weight boxy	
41	Glass tubing	
42	Foils (Triangular) one	
43	Asbestos Sheet (Papers) one	

44	Graduated Cylinder 100 MI	
45	Volumetric flasks 250 MI	
46	Pipette one	
47	Burette one	
48	Specific Gravity bottle one	
49	China dishes one	
50	Beakers (Full size) one	
51	Tripod Stand one	
52	Funnels one	
53	Iron stands one	
54	Capillary tubes 1 Pkt one	
55	Thermometers one	
56	Clinical Thermometers one	
57	Wire gauze one	
58	Glass rod stirrers one	
59	Choric borer one	
60	Bunsen barriers one	
61	Test tubes one	
62	Round bottom flasks 250 MI	
63	Conical flasks one 250 MI	
64	Retorts one	
65	Spirit lamps glass small size.	
66	Wolfs Bottles 250 MI one	
67	Water trough (Medium size) one	
68	Beehive shelf 9Medium size) one	
69	Gas Cylinders one	
70	Thistle funnel medium size each	
71	Rubber corks (Different size) one	
72	Cotton oil (se or animal fat) 500 mg	
73	Test tube holders one	
74	Test tube stands one	
75	Cup boards (Wooten) for chemical full size one	
	<u>PHYSICS</u>	
76	Test Tube Holders	
77	Helical spring	
78	Colorimeter	
79	Vernier caliper	
80	Micrometer screw gauge	
81	Sphero meter	
82	Glass Slab (Full size)	
83	Glass Prisms	
84	Mirror Strips	
85	Optical benches	
86	Stand (wooden) for optical bench	
87	Drawing Board	
88	Balvano meter	

89	Ammeton	
90	Voltmeter	
91	Post Office Boxes	
92	Magnet (Bar & Horse Shoe magnets)	
93	Concave Mirrors	
94	Convex Mirror	
95	Con Cave Convex Mirror	
96	Plan Mirror	
97	Concave lens	
98	Double convex lens	
99	Wooden Cylinder for (vernier caliper)	
100	Drawing pins	
101	Connecting wire	
102	Resistance	
103	Angle Iron with stand	
104	Stop Watch	
105	Iron balls	
106	Pulles	
107	Rheostat	
108	Key	
109	Resonance apparatus	
110	Tuning forks	
111	Rubber pad	
112	Hypsometer	
113	Thermometer	
114	Ice hearting arrangement	
	<u>BIOLOGY</u>	
115	Dissection Box	
116	Dissection Tray	
117	Slide Amoeba	
118	Slide Euglena	
119	Slide Paramecium	
120	Slide Brasica Leaf	
121	Slide Brasica Stem	
122	Slide Brasica Root	
123	Slide Brasica Flower	
124	Slide Animal Cell	
125	Slide Plant Cell	
126	Slide Hydra	
127	Slide Bacteria	
128	Slide Nostic	
129	Slide Obelic	
130	Chart Venous System of Frog Size 20x30	
131	Chart Nervous System of Frog Size 20x30	
132	Chart Digestive System of Frog 20x30	
133	Chart Reproductive System of Frog 20x30	
134	Chart Animal Cell 20x30	
135	Chart Plant Cell 20x30	

136	Chart Hygine Physiology 20x30	
137	Chart Heart of Frog	
138	Chart Respiration	
139	Chart Osmosis	
140	Life History of Frog	
141	Glycerin	

Signature of tenderer

OFFICE OF THE DISTRICT EDUCATION OFFICER LARKANA

LIST SCIENCE EQUIPMENT FOR THE YEAR 2014-15 FINANCIAL PROPOSAL

S.No:	NAME OF ITEM WITH SPECIFICATION	Qty:	Rate per item	Amount
1	CHEMISTRY Hydrochloric Acid	10		
2	Nitric acid 450Gram	10		
3	Acetic acid 450Gram	10		
4	Ammonium chloride	10		
5	Alum Potash 450Gram	10		
6	Borax 450Gram	10		
7	Calcium bi-carbonate 450Gram	10		
8	Calcium Carbonate 450Gram	10		
9	Copper Sulphate 100Gram	10		
10	Distilled Water Bottle	10		
11	Filter papers one sheet	10		
12	Litmus papers (Red & Blue) one sheet.	10		
13	Magnesium Ribbers Pkt	10		
14	Methyl Orange 450ml	10		
15	Phenolphthalein 450ml	10		
16	Plaster of Pans Pkt: 250 gram	10		
17	Potassium di-chromate 450Gram	10		
18	Silver nitrate 10Gram	10		
19	Sodium bi-carbonate Kg	10		
20	Sodium Chloride Kg	10		
21	Sodium Nitrate Kg	10		
22	Sulphur Powder 100Gram	10		
23	Zinc granules 01Gram	10		
24	Sulphuric acid 450 MI	10		
25	Calcium Hydroxide 450Gram	10		
26	Calcium Oxide 450Gram	10		
27	Carbon disulphide 450Gram	10		
28	Copper turnings 100Gram	10		
29	Glycerin 100Gram	10		
30	Iodine 50Gram	10		
31	Magnesium Sulphate 50Gram	10		
32	Methyl Spirit Bot 250 MI	10		
33	Potassium Chlorate 450Gram	10		
34	Potassium hydroxide 100Gram	10		
35	Sodium Hydroxide 450Gram	10		
36	Sodium Nitrate 1 gram	10		
37	Wax	10		
38	Compound micro Scope with 250 magnified capacity.	10		
39	Physical balance common	10		
40	Weight boxy	10		

41	Glass tubing	10		
42	Foils (Triangular) one	10		
43	Asbestos Sheet (Papers) one	10		
44	Graduated Cylinder 100 MI	10		
45	Volumetric flasks 250 MI	10		
46	Pipette one	10		
47	Burette one	10		
48	Specific Gravity bottle one	10		
49	China dishes one	10		
50	Beakers (Full size) one	10		
51	Tripod Stand one	10		
52	Funnels one	10		
53	Iron stands one	10		
54	Capillary tubes 1 Pkt one	10		
55	Thermometers one	10		
56	Clinical Thermometers one	10		
57	Wire gauze one	10		
58	Glass rod stirrers one	10		
59	Choric borer one	10		
60	Bunsen barriers one	10		
61	Test tubes one	10		
62	Round bottom flasks 250 MI	10		
63	Conical flasks one 250 MI	10		
64	Retorts one	10		
65	Spirit lamps glass small size.	10		
66	Wolfs Bottles 250 MI one	10		
67	Water trough (Medium size) one	10		
68	Beehive shelf 9Medium size) one	10		
69	Gas Cylinders one	10		
70	Thistle funnel medium size each	10		
71	Rubber corks (Different size) one	10		
72	Cotton oil (se or animal fat) 500 mg	10		
73	Test tube holders one	10		
74	Test tube stands one	10		
75	Cup boards (Wooten) for chemical full size one	10		
	<u>PHYSICS</u>			
76	Test Tube Holders	10		
77	Helical spring	10		
78	Colorimeter	10		
79	Vernier caliper	10		
80	Micrometer screw gauge	10		
81	Sphero meter	10		
82	Glass Slab (Full size)	10		
83	Glass Prisms	10		
84	Mirror Strips	10		
85	Optical benches	10		

86	Stand (wooden) for optical bench	10		
87	Drawing Board	10		
88	Balvano meter	10		
89	Ammeton	10		
90	Voltmeter	10		
91	Post Office Boxes	10		
92	Magnet (Bar & Horse Shoe magnets)	10		
93	Concave Mirrors	10		
94	Convex Mirror	10		
95	Con Cave Convex Mirror	10		
96	Plan Mirror	10		
97	Concave lens	10		
98	Double convex lens	10		
99	Wooden Cylinder for (vernier caliper)	10		
100	Drawing pins	10		
101	Connecting wire	10		
102	Resistance	10		
103	Angle Iron with stand	10		
104	Stop Watch	10		
105	Iron balls	10		
106	Pulles	10		
107	Rheostat	10		
108	Key	10		
109	Resonance apparatus	10		
110	Tuning forks	10		
111	Rubber pad	10		
112	Hypsometer	10		
113	Thermometer	10		
114	Ice hearting arrangement	10		
	<u>BIOLOGY</u>			
115	Dissection Box	10		
116	Dissection Tray	10		
117	Slide Amoeba	10		
118	Slide Euglena	10		
119	Slide Paramecium	10		
120	Slide Brasica Leaf	10		
121	Slide Brasica Stem	10		
122	Slide Brasica Root	10		
123	Slide Brasica Flower	10		
124	Slide Animal Cell	10		
125	Slide Plant Cell	10		
126	Slide Hydra	10		
127	Slide Bacteria	10		
128	Slide Nostic	10		
129	Slide Obelic	10		
130	Chart Venous System of Frog Size 20x30	10		
131	Chart Nervous System of Frog Size 20x30	10		
132	Chart Digestive System of Frog 20x30	10		

133	Chart Reproductive System of Frog 20x30	10		
134	Chart Animal Cell 20x30	10		
135	Chart Plant Cell 20x30	10		
136	Chart Hygine Physiology 20x30	10		
137	Chart Heart of Frog	10		
138	Chart Respiration	10		
139	Chart Osmosis	10		
140	Life History of Frog	10		
141	Glycerin	10		

Signature of tenderer