



GOVERNMENT OF SINDH
SCHOOL EDUCATION & LITERACY DEPARTMENT,
PROJECT MANAGEMENT & IMPLEMENTATION UNIT (PMIU),
SCHOOL INFRASTRUCTURE DEVELOPMENT / SERP II,

No. PMIU/SERP-II(SID)/NIT-02/2025-26/213

At Karachi Dated: 16.04.2026

CORRIGENDUM


Reference NIT No.PMIU/SERP-II(SID)/NIT-02/2025-26/212, Dated: 16.04.2026

1. The fixed bid Security as mentioned in the bidding documents against the each lot must be attached instead of 2% of quoted rates.
2. Bids can be accessed / downloaded and also uploaded the same at the EPAD Portal website of SPPRA (<http://portalsindh.eprocure.gov.pk>) from the date of publication till the submission date instead of issuing and receiving / delivering hard copies / manual bids in the office of undersigned.

Other terms & conditions will remain same.

House No. A-5/2, Unit 6, Street No. 4,
Gulshan-e-Faisal, Bath Island, Karachi.
Ph:021-99332643,
Email: pmiuserpsid@gmail.com




PROJECT DIRECTOR
(PMIU/SERP-II)/SID
School Education & Literacy Department
Government of Sindh



NO. PMIU/SERP-II/SID/2025-26/ 212
GOVERNMENT OF SINDH
SCHOOL EDUCATION & LITERACY DEPARTMENT
PROJECT MANAGEMENT & IMPLEMENTATION UNIT
SCHOOL INFRASTRUCTURE DEVELOPMENT (SID)
SINDH EDUCATION REFORM PROGRAM-II (SERP-II)

Karachi: Dated

16/4/2026

To,

Director Information,
(Advertisement),
Government of Sindh,
Karachi.

Subject:

ADP # 570: ESTABLISHMENT OF STREAM LAB(S) IN EXISTING
MODEL SCHOOLS

16/4/26
R&I Incharge
Advertisement Section
Information Department
Govt. Sindh, Karachi

Enclose find herewith seven (07) copies of Notice Inviting Tender (NIT) for publication in 3 leading newspapers, i.e., English, Urdu, and Sindhi, in one insertion.


PROJECT DIRECTOR
PMIU/SERP-II/SID

A copy is forwarded for information: -

1. PS to Worthy Secretary, School Education & Literacy Department, Govt. of Sindh
2. PS to Additional Secretary (PDF) School Education & Literacy Department, Govt. of Sindh
3. Procurement Committee Members.
4. Office File


PROJECT DIRECTOR
PMIU/SERP-II/SID



GOVERNMENT OF SINDH
SCHOOL EDUCATION & LITERACY DEPARTMENT,
PROJECT MANAGEMENT & IMPLEMENTATION UNIT (PMIU),
SCHOOL INFRASTRUCTURE DEVELOPMENT / SERP II,

No. PMIU/SERP-II(SID)/NIT-03/2025-26/

212

At Karachi Dated 16.4.2026

NOTICE INVITATION TENDER

Sealed tenders under the Single Stage Two Envelope bidding procedure are hereby invited from interested contractors/firms who are registered with the NTN and GST in accordance with SPPRA Rule 2010 (Amended up to date) for the following packages:

Sr #	Description	Bid Security	Tender Fee (Non-Refundable)
ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools			
1.	LOT 01: Karachi Region	2%	Rs. 5,000/-
2.	LOT 02: Hyderabad Region	2%	Rs. 5,000/-
3.	LOT 03: Sukkur Region	2%	Rs. 5,000/-
4.	LOT 04: Larkana Region	2%	Rs. 5,000/-
5.	LOT 05: Mirpurkhas Region	2%	Rs. 5,000/-
6.	LOT 06: Shaheed Benazirabad Region	2%	Rs. 5,000/-

This will be executed on a package-wise basis (most Advantageous Bidder/ Best Bidder), with respective number of schools (Detail as per Bidding Document) for each region/ division under School Education & Literacy Department. Submission of tender through electronic bids/proposals (**Single Stage Two Envelope Method Rule 46(2) of Sindh Public Procurement Rules, 2010 [Amended / up to date]**) via **SPPRA Portal, e-Pak Acquisition & Disposal System (e-PADS)** from experienced and reputable firms registered with FBR and other relevant authorities, having relevant experience. Complete details of eligibility & other requirements are given in Bidding Documents. Bidders are instructed to indicate the (Lot No) in the respective participated Lot as mandatory, otherwise bidder shall be considered as non-response bidder.

Eligible bidders may download the Bidding Document from e-PADS (<https://portalsindh.eprocure.gov.pk/#/>). Manual bids will NOT be accepted unless they have been submitted electronically on e-PADS first.


All intending bidders are required to submit tender fee of **PKR. 5,000/- (Non-refundable) in shape of Pay Order / demand draft in Pak Rupees for each LOT and 2.0% Bid Security** of quoted bid amount in shape of pay order / demand draft / bank guarantee issued by any scheduled Bank of Pakistan or by a foreign Bank duly counter guaranteed by a scheduled Bank in Pakistan for each Package in favor of **Project Director, PMIU/SERP-II/SID**, and copy of Bid Security along with original E-Stamps / Stamps as required in bidding documents must be delivered to office of **05th May, 2026**, House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi. above which should be valid till 90 days beyond the bid validity Period, not later than **02:30 pm, on 05th May, 2026**. The Technical Bids will be opened at **03:00 pm** on the same day of deadline for receipt of bids. Through E-PADS bidding procedure office of Project Director, PMIU/SERP-II/SID Bungalow House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi in the presence of bidders or their authorized representatives who shall choose to attend the bids opening session by the procuring agency's notified Committees as per SPP Rules, 2010 (Amended up-to-date).

In case of any reason, if the tenders are not responded on the above date, the next date of uploading / submitting will be up-to **20.05.2026 till 02:30 P.M.** & opening of bids will be same day **at 03:00 P.M.**

The Procuring agency may reject any or all bids to subject to relevant provisions of **SPPRA Rules 2010 (Amended up to date)** and may cancel the bid process at any time prior to the acceptance of a bid or proposal as mandated under **Rule-25(i) of SPP Rules, 2010 (Amended up to date)**. In case public holiday or due to any unavoidable circumstances on closing/opening date, the bid documents will be received and opened on next working day at the same time and venue.

House No. A-5/2, Unit 6, Street No. 4,
Gulshan-e-Faisal, Bath Island, Karachi.
Ph:021-99332643,
Email: pmiusersid@gmail.com




PROJECT DIRECTOR
(PMIU/SERP-II)/SID
School Education & Literacy Department
Government of Sindh



PROJECT MANAGEMENT & IMPLEMENTATION UNIT (PMIU)-SERP-II/SID
SCHOOL EDUCATION & LITERACY DEPARTMENT
GOVERNMENT OF SINDH



ANNUAL PROCUREMENT PLAN
(WORKS, GOODS & SERVICES)
Financial Year 2025-2026

Sr. No	Description of Procurement	Quality (Where Applicable)	Estimated Unit Cost (Where Applicable)	Estimated Cost (Million)	Funds Allocated	Source of Funds (ADP/Non-ADP)	Proposed Procurement Method	Timing of Procurement			
								1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
1)	ADP # 393 Establishment of Science Centre at Divisional Head Quarters (Hyderabad)		156.545 M	156.545 M	28.000	ADP	Open Competitive Bidding			√	
2)	ADP # 394 Establishment of Science Centre at Divisional Headquarters (Karachi)		162.364 M	162.364 M	28.000	ADP	Open Competitive Bidding				√
	ADP 570 Procurement for the Establishment of Stream Laboratories in Existing Model School(s), established in region(s):				PKR.750.00 Million (approx.)						
1.	Lot 01: Karachi Region	N/A	N/A	PKR.239.70 Million (approx.)		ADP	Open Competitive Bidding = Single Stage Two Envelope				√
2.	Lot 02: Hyderabad Region	N/A	N/A	PKR.551.31 Million (approx.)		ADP	Open Competitive Bidding = Single Stage Two Envelope				√
3.	Lot 03: Sukkur Region	N/A	N/A	PKR.263.67 Million (approx.)		ADP	Open Competitive Bidding = Single Stage Two Envelope				√

Handwritten mark



PROJECT MANAGEMENT & IMPLEMENTATION UNIT (PMIU)-SERP-II/SID
SCHOOL EDUCATION & LITERACY DEPARTMENT
GOVERNMENT OF SINDH



4.	Lot 04: Larkana Region	N/A	N/A	PKR.215.73 Million (approx.)	ADP	Open Competitive Bidding = Single Stage Two Envelope	✓	
5.	Lot 05: Mirpurkhas Region	N/A	N/A	PKR.95.88 Million (approx.)	ADP	Open Competitive Bidding = Single Stage Two Envelope	✓	
6.	Lot 06: Shaheed Benazirabad Region	N/A	N/A	PKR.119.85 Million (approx.)	ADP	Open Competitive Bidding = Single Stage Two Envelope	✓	
Estimated Total Cost in Millions (PKR)				1,486.14 Million				

Project Director, PMIU/SERP-II/SID
SCHOOL EDUCATION & LITERACY DEPARTMENT
GOVERNMENT OF SINDH



NO. PD(PMIU-SERP-II(SID/Pro.comr.:2021-22
GOVERNMENT OF SINDH
SCHOOL EDUCATION & LITERACY DEPARTMENT
SCHOOL INFRASTRUCTURE DEVELOPMENT, PMIU-SERP-II/SID

Karachi, Dated: March, 2022

NOTIFICATION

No.PMIU/SERP-II(SID/SE&LD/PC/2022: In pursuance of Rule No-7 of the Sindh Public Procurement Rules 2010, a procurement committee comprising of following officers for procurement of various items/ goods / equipment's to be procured for "Sindh Education Reform Program-II (SERP-II) is constituted as under;

- | | | |
|---|--|-------------------|
| 1 | Project Director
School Infrastructure Development,
Sindh Education Reform Program-II (SERP-II)
School Education Department | Chairman |
| 2 | Executive Engineer,
Works & Services Department | Member |
| 3 | Deputy Project Director
School Infrastructure Development,
Sindh Education Reform Program-II (SERP-II) | Member/ Secretary |

The T.O.Rs are as given below:-

- 1- The Committee will prepare bidding documents.
- 2- The Committee will carry out technical as well as financial evaluation of the bids.
- 3- The Committee will prepare evaluation report as provided in Rules-45 of SPPRA, 2010.
- 4- The Committee will finalize the process and will recommend for the award of contract to the successful bidder and Perform any other function ancillary and incidental to the above.


(GHULAM AKBER LAGHARI)
SECRETARY TO GOVT. OF SINDH

No.PMIU/SERP-II(SID/SE&LD/PC/2022:


Karachi dated the March, 2022

A Copy if forwarded for information and necessary action to:-

- 1- The P.S to Minister, Education & Literacy Department, Government of Sindh.
- 2- The P.S to Secretary, School Education & Literacy Department, Government of Sindh.
- 3- The P.S to Additional Secretary (PD&F), SE&LD.
- 4- Sindh Public Procurement Regulatory Authority.
- 5- All members of the Committee.
- 6- Office file.

 SCHOOL EDUCATION &
LITERACY DEPARTMENT
SINDH




SECTION OFFICER (PLANNING)

GOVERNMENT OF SINDH
SCHOOL EDUCATION DEPARTMENT

Karachi, dated the May 25, 2017. 3359/H

NOTIFICATION

No.PMIU/SERP-II/SED/PC/2017; In pursuance of Rule No-31 of the Sindh Public Procurement Rules 2010 (Amended 2013) a Departmental Complaint Redressal Committee comprising of following officers is constituted as under to resolve complaints of aggrieved bidders:

- | | |
|--|--------------------|
| 1. Secretary,
School Education Department. | Chairman |
| 2. Representative of Accountant General | Member |
| 3. Representative of Head of Procuring Agency,
(Professional from relevant Field Concerning). | Member |
| 4. Superintending Engineer,
(Education Works),
School Education Department. | Member |
| 5. Section Officer (G-I),
School Education Department. | Member / Secretary |

TORs

- To perform according to Rule No 31 of SPPRA 2010.
- Perform any other function ancillary and incidental to the above.



ABDUL AZIZ UQAILI
SECRETARY SCHOOL EDUCATION

No.PMIU/SERP-II/SED/PC/2017:

Karachi, dated the May , 2017.

Copy is forwarded for information and necessary action to:-

1. All members of the Committee.
2. The PS to Minister, Education & Literacy Department, Government of Sindh.
3. The PS to Secretary, School Education Department, Government of Sindh.
4. Sindh Public Procurement Regulatory Authority.
5. Office Order File.

SECTION OFFICER (G-I)



**PROJECT MANAGEMENT & IMPLEMENTATION UNIT (PMIU)-SERP-II/SID
SCHOOL EDUCATION & LITERACY DEPARTMENT GOVERNMENT OF SINDH
KARACHI**

BIDDING DOCUMENTS

ADP # 570: Establishment of Stream Lab(s) Existing Model Schools (62 Units)

Lot 01:	Karachi Region
Lot 02:	Hyderabad Region
Lot 03:	Sukkur Region
Lot 04:	Larkana Region
Lot 05:	Mirpurkhas Region
Lot 06:	Shaheed Benazirabad Region

**Instruction to Bidders, Bidding Data, Forms of Bid & Schedule to Bid,
Conditions of Contract, Contract Date & Standard Form**

APPLIED FOR LOT # _____

UPLOADED BY M/S _____

VIDE PAY ORDER # _____, DATED: _____

PAY ORDER AMOUNT: _____ BANK / BRANCH: _____

Contractor Signature



BID DOCUMENTS FOR

Name of Work:

ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools

BID DOCUMENTS ARE PLACED IN THE FOLLOWING

- FOLDERS VOLUME I: TECHNICAL BID**
- 1. INVITATION FOR BID**
 - 2. INSTRUCTION TO BIDDERS**
 - 3. BIDDING DATA**
 - 4. FORM OF BID AND APPENDICES TO BID**
 - 5. CONTRACT FORMS**
 - 6. GENERAL CONDITIONS OF CONTRACT**
 - 7. SPECIAL CONDITIONS OF CONTRACT**
 - 8. SPECIAL PROVISIONS**
- VOLUME II: BILL OF QUANTITIES / SCHEDULES OF BID**
- VOLUME III: TECHNICAL SPECIFICATIONS**



NOTICE INVITATION TENDER

Sealed tender under the Single stage-Two Envelope bidding procedure are invited through print media & EPAD portal of SPPRA from the eligible and well reputable firms / contractors having relevant experience and registered with Pakistan Engineering Council in the relevant field with appropriated category, registered with FBR & SRB and other relevant authorities, in accordance with SPPRA Rules-2010 (amended up-to-date) for the following works:

Sr. #	Name of Scheme / Lot # / Region	Bid Security	Tender Fee (Non-Refundable)
ADP # 570: Establishment of STREAM Lab in Existing Model Schools (62 Units)			
1.	LOT 01: Karachi Region	RS. 4,800,000/=	Rs. 5,000/-
2.	LOT 02: Hyderabad Region	RS. 11,030,000/=	Rs. 5,000/-
3.	LOT 03: Sukkur Region	RS. 5,275,000/=	Rs. 5,000/-
4.	LOT 04: Larkana Region	RS. 4,315,000/=	Rs. 5,000/-
5.	LOT 05: Mirpurkhas Region	RS. 2,000,000/=	Rs. 5,000/-
6.	LOT 06: Shaheed Benazirabad Region	RS. 2,400,000/=	Rs. 5,000/-

This procurement shall be executed on a **package-wise basis** under the criterion of the **Most Advantageous / Best Evaluated Bidder**, with the respective number of schools approved for each region / division. Complete details including eligibility / evaluation criteria and other mandatory requirements are provided in the Standard Bidding Documents. Bidders are instructed to clearly indicate the **Lot Number / Region** in the respective participated work, as this is mandatory. Failure to do so shall render the bidder as **non-responsive**.

The Standard Bidding documents containing relevant information can be accessed / downloaded from the website of SPPRA (<http://portalsindh.eprocure.gov.pk>) from the date of publication till the closing date. Manual bids will **not** be accepted.

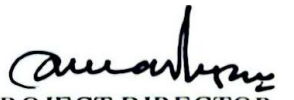
All intending bidders are required to submit their both bids (Technical & Financial) on EPAD portal of SPPRA including tender fee of **PKR. 5,000/- (Non-refundable) in shape of Pay Order / demand draft for each LOT and Bid Security as mentioned against the each Lot in shape of pay order / demand draft / bank guarantee issued by any scheduled Bank of Pakistan or by a foreign Bank duly counter guaranteed by a scheduled Bank in Pakistan** for each Package in favor of **Project Director, PMIU/SERP-II/SID till 02:30 PM on 5th May, 2026**. The Technical Bids will be opened on the same day **at 03:00 PM**.

Original Tender fee, Bid Security along with E-Stamping Affidavit must be delivered to office of Project Director, PMIU/SERP-II/SID, at House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi, which should be valid till 90 days beyond the bid validity Period, before the opening of the technical proposals.

The Procuring agency may reject any or all bids to subject to relevant provisions of **SPPRA Rules 2010 (Amended up to date)** and may cancel the bid process at any time prior to the acceptance of a bid or proposal as mandated under **Rule-25(i) of SPP Rules, 2010 (Amended up to date)**. In case public holiday or due to any unavoidable circumstances on closing/opening date, the bid documents will be received and opened on next working day at the same time and venue.

House No. A-5/2, Unit 6, Street No. 4,
Gulshan-e-Faisal, Bath Island, Karachi.
Ph:021-99332643,
Email: pmiusersid@gmail.com




PROJECT DIRECTOR
(PMIU/SERP-II)/SID
School Education & Literacy Department
Government of Sindh



INSTRUCTIONS TO BIDDERS

Note: *These Instructions to Bidders along with Bidding Data will not be part of the Contract and will cease to have effect once the Contract is signed.*

A. GENERAL

IB.1 Scope of Bid

- 1.1 The Procuring Agency as defined in the Bidding Data hereinafter called “the Procuring Agency” wishes to receive bids for the Procurement for the Establishment of Stream Laboratories in 60 Schools, with each package comprising 15 laboratories to be established, for SE&LD Schools items as described in these Bidding Documents and summarized in the Bidding Data hereinafter referred to as the “Establishment of Stream Laboratories”.
- 1.2 The successful Bidder will be expected to Establishment of Stream Laboratories items within the time specified in the schedule of delivery.
- 1.3 All items to be supplied under the Contract shall have as their country of origin an eligible country as per Appendix-A to Bid.
- 1.4 For purposes of this Clause, the term “items” includes completed new units ready to use & manufacture as per individual requirements of each location. The completed items include but not limited to categories as described in Bidding Data.
- 1.5 The article results that differs substantially in its basic characteristics from its imported components.
- 1.6 The nationality of the firm that produces, assembles, distributes, or sells the items shall not determine their origin.
- 1.7 The bidding is open to all eligible Contractors registered with FBR & Government of Sindh as National/International Competitive Bidding as indicated in the Bidding Data.

IB.2 Source of Funds

- 2.1 The Procuring Agency has received a ADP from the source/ Government of Sindh indicated in the Bidding Data towards the cost of the project provided by the Government of Sindh as specified in the Bidding Data and it is intended that it will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

IB.3 Eligible Bidders

- 3.1 This Invitation for Bids is open to all Bidders meeting the following requirements:



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID

- a) A Bidder having the nationality of Pakistan or of an eligible country in accordance with Appendix A to Bid and having registered with Federal Board of Revenue and other mandatory requirements mentioned in the evaluation criteria.
- b) Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the Establishment of Stream Laboratories items to be purchased under this Invitation for Bids.
- c) Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by the any government organization in accordance with sub clause 34.1.
- d) d) Government-owned enterprises shall be eligible only if they can establish that they
 - (i) are legally and financially autonomous.
 - (ii) operate under the principles of commercial law, and
 - (iii) are not dependent agencies of the purchaser.

IB.4 One Bid per Bidder

- 4.1** In the case of a Joint Venture (JV), it is mandatory for the consortium to open a JV bank account and register the JV National Tax Number (NTN). The consortium will receive payments on behalf of the joint venture through this account. Additionally, the JV Agreement must be executed on e-stamp paper. A copy of the agreement should be attached to the technical proposal, and the original stamped document must be submitted electronically to the procuring agency. **(JV NOT APPLICABLE)**

IB.5 Cost of Bidding

- 5.1** The Bidders shall bear all costs associated with the preparation and submission of their respective bids and the Procuring Agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Site Visit (Visit to delivery location)

- 6.1** The Bidders are advised to visit and inspect the location of delivery as indicated in Bidding Data and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a Contract for Establishment of Stream Laboratories items. All cost in this respect shall be at the bidder's own expense.
- 6.2** List of Schools will be provided to Technically Qualified bidders on written request.
- 6.3** The Bidders and any of their personnel or agents will be granted permission by the Procuring Agency to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the Bidders, their personnel and agents, will release and indemnify the Procuring Agency, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.



B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

7.1 The Bidding Documents, in addition to Notice Inviting Tenders (NIT), are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders
2. Bidding Data
3. Annexure-I to Bidding Data (Technical Evaluation Criteria)
4. Form of Technical Bid, Form of Financial Bid and Appendices to Bid
5. Schedules to Bid
 - i. Schedule A: Price Schedule/BOQ for Establishment of Stream Laboratories items.
 - ii. Schedule B: Price Schedule for Establishment of Stream Laboratories items to be offered from outside the Procuring Agency's country
 - iii. Schedule C: List of other Goods to be supplied
 - iv. Schedule D: Schedule of Storage, Delivery & Payments
 - v. Schedule E: Inspection and Tests to be carried out
6. Technical Specifications
7. General Conditions of Contract (GCC),
8. Particular Conditions of Contract (PCC)
9. Sample Forms
 - i. Form of Bid Security
 - ii. Form of Performance Security
 - iii. Form of Contract Agreement
 - iv. Form of Advance Payment Security

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.30, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

8.1 Any prospective Bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Procuring Agency in writing at the Procuring Agency's address indicated in the Invitation for Bids. The Procuring Agency will respond to any request for clarification which he receives earlier than the time, stated in the Bidding Data, prior to the deadline for submission of bids. Copies of the Procuring Agency's response will be forwarded to all interested bidders that have received the bidding documents, including a description of the enquiry but without identifying its source.

IB.9 Amendment of Bidding Documents



- 9.1 At any time prior to the deadline for submission of bids, the Procuring Agency may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents by issuing addendum.
- 9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all bidders. Prospective Bidders shall acknowledge receipt of each addendum in writing to the Procuring Agency.
- 9.3 To afford prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Procuring Agency may extend the deadline for submission of bids in accordance with Clause IB.24

C. PREPARATION OF BIDS

IB.10 Language of Bid

- 10.1 The bid as well as all correspondence and documents related to the bid exchanged by a bidder and Procuring Agency shall be in the bid language stipulated in the Bidding Data & Particular Conditions of Contract. Supporting documents and printed literature furnished by the Bidders may be in any other language provided the same are accompanied by an accurate translation of relevant parts in the bid language, in which case, for purposes of evaluation of bid, the translation in bid language shall prevail.

IB.11 Documents Comprising the Bid (Individual Bidder)

- 11.1 Each Bidder shall submit the following documents comprising a Bid:
 - a) Power of attorney (on company's letterhead) authorizing the signatory of the bid to act for and on behalf of the Bidder;
 - b) Form of Technical Bid & Form of Financial Bid (on company's letterhead) as described in Bidding Data.
 - c) Updated Pre-Qualification Information (if applicable)
 - d) Documentary evidence established in accordance with IB Clause 14 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted
 - e) Documentary evidence established in accordance with IB Clause 15 & 16 that the Establishment of Stream Laboratories items and ancillary services to be supplied by the Bidder are in conformity with the bidding documents
 - f) **Technical Proposal/Bid** containing all the required category wise details as described in the Technical Evaluation Criteria given as Annexure-I to Bidding Data along with evidence/ relevant documents to demonstrate the adequacy of the bid meeting requirements for timely supply/ delivery of items.
 - g) **Financial Proposal/Bid** comprising of Schedule-A i.e. the Price Schedule/BOQ completed in all respects in accordance with IB Clauses: IB.12 & IB.13 along with Shop Drawings of all the items as listed in BOQ.
 - h) Bidders shall also submit proposals of supply and transportation methods and schedule, in sufficient detail to demonstrate the adequacy of the Bidders' proposals to meet the technical specifications and the completion time referred to in Sub-Clause 1.2 hereof.
 - i) Any other pertinent information.



IB.12 Bid Prices - Price Schedule /BOQ

- 12.1 The Bidder shall submit Price Schedules/BOQ (Schedule-A) for all types of items, in accordance with requirement of each building type as mentioned in Bidding Data.
- 12.3 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the items as described in Sub-Clause 1.1 hereof, based on the unit rates and/or prices submitted by the bidder.
- 12.4 The Bidders shall fill in rates and prices for all items of the items described in the Price Schedules/BOQ. Items against which no rate or price is entered by a bidder will not be paid for by the Procuring Agency when delivered and shall be deemed covered by rates and prices for other items in the Price Schedules/BOQ.
- 12.5 Bidders are required to submit along with their financial proposal, the Rate Analysis of all the items against which bidder has quoted his rates. All government taxes including GST should also be mentioned & highlighted separately in Rate Analysis.
- 12.6 Prices indicated on the Price Schedule/BOQ shall be delivered duty paid (DDP) prices. i.e. the Contractor/contractor have to pay for all of the costs related to transporting the goods and he shall be responsible in full for all the items until they have been received and accepted by the end user/Procuring Agency. This includes paying for the shipping, the duties and any other expenses incurred while shipping the goods.
- 12.7 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to the deadline for submission of bids shall be included in the rates and prices and the total Bid Price submitted by a Bidder.
- 12.8 Additional/reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be dealt as per Clause 17 of the General Conditions of Contract.
- 12.9 The rates and prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data. A bid submitted with an adjustable price quotation will be treated as nonresponsive and will be rejected, pursuant to IB.35. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.

IB.13 Currencies of Bid and Payment

- 13.1 The unit rates and the prices shall be quoted by the Bidder entirely in Pak rupees. A Bidder expecting to incur expenditures in other currencies for items supplied from outside the Procuring Agency's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the Bidder's option, entirely in Pak rupees provided always that a Bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.
- 13.2 The rates of exchange to be used by the Bidder for currency conversion shall be the TT&OD Selling Rates published or authorized by the State Bank of Pakistan prevailing on the date 28 days prior to the deadline



for submission of bids. For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the Contract.

IB.14 Documents Establishing the Eligibility of the Bidder

14.1 To establish their eligibility in accordance with IB 3, Bidders shall:

- (a) Provide the eligibility documents as per IB Clause 3; and

IB.15 Documents Establishing the Eligibility of the items

15.1 To establish the eligibility of the items in accordance with IB 1.3, Bidders shall complete the country of origin declarations in the Price Schedule & Appendices to Bid.

IB.16 Documents Establishing the Conformity of the items to the Bidding Document

16.1 To establish the conformity of the items to the Bidding Document, the Bidder shall furnish as part of its Bid the documentary evidence that the items and be supplied conform to the specified requirements.

16.1 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item-by-item description of the essential technical and performance characteristics of the items.

16.2 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Procuring Agency in the Schedule of delivery and, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Procuring Agency's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in Schedule of Delivery.

IB.17 Documents Establishing the Qualification of the Bidder

17.1 The documentary evidence of the Bidder's qualifications to perform the contract, if its bid is accepted, shall establish to the Procuring Agency's satisfaction that the Bidder meets each of the qualification criterion specified in Bidding Documents.

17.2 If so required, a Bidder that does not conduct business within the Procuring Agency's Country shall submit evidence that it will be represented by an Agent in the country equipped and able to carry out the Contractor's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.

IB.18 Bid Validity

18.1 Bids shall remain valid for the period stipulated in the Bidding Data after the Date of Bid Opening specified in Clause IB.27.

18.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Procuring Agency may request that the Bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A Bidder may refuse the request without forfeiting his Bid Security. A Bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.19 in all respects.



IB.19 Bid Security

- 19.1 Each Bidder shall furnish, as part of his bid, a Bid Security in the amount stipulated in the Bidding Data in Pak Rupees or an equivalent amount in a freely convertible currency.
- 19.2 The Bid Security shall be, at the option of the Bidder, in the form of Deposit at Call or a Bank Guarantee issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan or in favour of the Procuring Agency valid for a period 28 days beyond the Bid Validity date.
- 19.3 Any bid not accompanied by an acceptable Bid Security shall be treated as non-responsive by the Procuring Agency & shall be rejected pursuant to IB.35
- 19.4 The bid securities of unsuccessful (technically &/or financially) Bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.
- 19.5 The Bid Security of the successful Bidder will be returned when the Bidder has furnished the required Performance Security and signed the Contract Agreement.
- 19.6 The Bid Security may be forfeited:
 - (a) if the Bidder withdraws his bid except as provided in Sub-Clause 26.1;
 - (b) if the Bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 31.2 hereof; or in the case of successful Bidder, if he fails within the specified time limit to:
 - (i) furnish the required Performance Security; or (ii) sign the Contract Agreement.

IB.20 Alternate Proposals by Bidder

- 20.1 Should any Bidder consider that he can offer any advantages to the Procuring Agency by a modification to the designs, specifications or other conditions, he may, in addition to his bid to be submitted in strict compliance with the Bidding Documents, submit any Alternate Proposal (s) containing (a) relevant design calculations; (b) technical specifications; (c) proposed manufacturing methodology; and (d) any other relevant details / conditions, provided always that the total sum entered in Form of Bid shall be that which represents complete compliance with Bidding Documents.
- 20.2 Alternate Proposal(s), if any, of the best evaluated responsive Bidder only may be considered by the Procuring Agency as the basis for the award of Contract to such Bidder.

IB.21 Pre-Bid Meeting

- 21.1 The Procuring Agency may, on his own motion or at the request of any prospective Bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-bid meeting, if convened, is as stipulated in the Bidding Data.
- 21.2 The Bidders are requested to submit questions, if any, in writing so as to reach the Procuring Agency not later than three (03) days before the proposed pre-bid meeting.
- 21.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all Bidders. Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Procuring



Agency exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.

21.4 Absence at the pre-bid meeting will not be a cause for disqualification of a Bidder.

IB.22 Format and Signing of Bid

- 22.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.
- 22.2 All Appendices and Schedules to Bid are to be properly completed and signed.
- 22.3 No alteration is to be made in the Form of Bid nor in the Appendices and Schedules thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.
- 22.4 Each Bidder shall prepare by filling out the forms completely and without alterations one (1) original and number of copies (of both Technical & Financial proposals), specified in the Bidding Data, of the documents comprising the bid as described in Clause IB.7 and clearly mark them “ORIGINAL” and “COPY” as appropriate. In the event of discrepancy between them, the original shall prevail.
(NOT APPLICABLE)
- 22.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the Bidder pursuant to Sub- Clauses 11.1(a) and 11.2 hereof. All pages of the bid shall be initialled and stamped by the person or persons signing the bid.
- 22.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Procuring Agency, or as are necessary to correct errors made by the Bidder, in which case such corrections shall be initialled by the person or persons signing the bid.
- 22.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.
- 22.8 Bidders should retain a copy of the Bidding Documents as their file copy.



D. SUBMISSION OF BIDS

IB.23 Sealing and Marking of Bids

23.1 Each Bidder shall submit his bid at EPAD portal of SPPRA Website as mentioned in the NIT.

(a) ttechnical & financial Bid shall be separately uploaded clearly marked as the lot number.

(b) Bid security must attached along with technical bid.

23.2 In addition to the identification required in Sub- Clause 23.2 hereof, the inner envelope shall indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late” pursuant to Clause IB.25

IB.24 Deadline for Submission of Bids

(a) Bids must be uploaded at EPAD no later than the time and date stipulated in the Bidding Data.

(b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

24.2 The Procuring Agency may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Procuring Agency and the Bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.25 Late Bids

25.1

(a) Bids after submission time will not be uploaded.

IB.26 Modification, Substitution and Withdrawal of Bids

26.1 Any Bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Procuring Agency prior to the deadline for submission of bids.

26.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.23 with the outer and inner envelopes additionally marked “MODIFICATION”, “SUBSTITUTION” or “WITHDRAWAL” as appropriate.

26.3 No bid may be modified by a Bidder after the deadline for submission of bids except in accordance with Sub-Clauses 26.1 and 31.2.

26.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.19.



E. BID OPENING & EVALUATION

IB.27 Bid Opening

Opening of Technical Bids (E-Bid Only)

- 27.1 Technical Bids will be opened first by the Procurement Committee through EPAD System, including withdrawals, substitution and modifications made pursuant to IB.26, on the date & time as notified in Notice Inviting Tender in the presence of Bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data. The Bidders' representatives who are present shall sign a register/attendance sheet evidencing their attendance
- 27.2 At the end of the evaluation of the Technical Bids, the Procuring Agency will invite only those Bidders who have submitted substantially responsive Technical Bids and who have been determined/declared as Technically Qualified for the opening of their Financial Bids/ Proposals clearly specifying date, time & venue of the financial bid opening meeting. The Financial Bids of bidders determined/declared as unsuccessful/Dis-Qualified in Technical Evaluation shall be returned unopened

Opening of Financial Bids

- 27.3 While opening of Financial Bids, the "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" Bids shall be opened via EPAD and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause IB.26 shall not be opened.
- 27.4 The Bidder's name, total Bid Price, any discounts, the presence or absence of Bid Security, its amount & issuing bank, and such other details as the Procuring Agency may consider appropriate, will be announced by the Procuring Agency at the time of opening of Financial Bids.
- 27.5 Procuring Agency shall prepare minutes of the bid opening meeting, including the information disclosed to those present in accordance with the Sub-Clause 27.3.
- 27.6 Any discount offered by the Bidder on its quoted prices, shall only be considered if such discount is either shown on the duly filled-in, signed & stamped Form of Financial Bid or on the Summary Page of BOQ. In case of any discrepancy or difference in the rate or amount of discount mentioned in the Form of Financial Bid (as duly filled-in & signed), and on the Summary Page of the Priced BOQ, the discount shown on the Priced BOQ shall prevail. Discount, if offered, through a separate letter of discount submitted with the Bid or at the time of opening of financial bids will not be entertained and shall be considered null & void."
- 27.7 Discounts offered for the period less than Bid Validity period shall not be considered in evaluation.

IB.28 Process to be Confidential

- 28.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a Contract shall not be disclosed to Bidders or any other person not officially concerned with such process before the announcement of bid evaluation report which shall be done at least ten (10) days prior to issue of Letter of Acceptance. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, final evaluated prices and recommendations against all the bids evaluated. Any effort by a Bidder to influence the Procuring Agency's processing of



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID

bids or award decisions may result in the rejection of such Bidder's bid. Whereas any Bidder feeling aggrieved may lodge a written complaint not later than fifteen (15) days after the announcement of the bid evaluation report; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.29 Clarification of Bids

29.1 To assist in the examination, evaluation and comparison of bids, the Procuring Agency may, at his discretion, ask any Bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Procuring Agency in the evaluation of the bids in accordance with Clause IB.32.

IB.30 Examination of Bids and Determination of Responsiveness (during Technical Evaluation)

- 30.1 Prior to the detailed evaluation of bids, it will be determined whether each bid is substantially responsive or not as described in Bidding Data.
- 30.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affects in any substantial way the scope, quality or performance of the items; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Procuring Agency's rights or the Bidder's obligations under the Contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other Bidders presenting substantially responsive bids.
- 30.3 If a bid is not substantially responsive, it will be rejected by the Procuring Agency pursuant to IB.35, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.31 Evaluation of Technical Bids

- 31.1 As stated above, technical bids will be opened first by the Procurement Committee, pursuant to IB.26 and all opened technical bids shall be examined whether each bid is substantially responsive or not. Hence; the technical bids found substantially responsive will be evaluated in detail as per Technical Evaluation Criteria set forth in Bidding Documents as Annexure-I to Bidding Data.
- 31.2 At the end of Technical Evaluation, Procuring Agency will invite only those Bidders who have submitted substantially responsive Technical Bids and who have been determined/declared as Technically Qualified for the opening of their Financial Bids/ Proposals.

IB.32 Correction of Errors (Financial Evaluation)

- 32.1 Bids determined to be substantially responsive & technically qualified will be checked by the Procuring Agency for any arithmetic errors. Errors will be corrected by the Procuring Agency as follows:
- (a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
- (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Procuring Agency there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.



32.2 The amount stated in the Form of Bid will be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors and with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with Sub-Clause 19.6(b) hereof.

IB.33 Evaluation and Comparison of Financial Bids

- 33.1 The Procuring Agency will evaluate in detail and compare only those Financial Bids determined to be substantially responsive & technically qualified in accordance with Clause IB.30.
- 33.2 In evaluating the Financial Bids, the Procuring Agency will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:
- (a) making any correction for errors pursuant to Clause IB.31;
 - (b) excluding Provisional Sums and the provision, if any, for contingencies; and
 - (c) Making an appropriate adjustment for any other acceptable variation or deviation from specification or performance criteria.
- 33.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.
- 33.4 If the Bid of the successful Bidder is seriously unbalanced in relation to the Procuring Agency's estimate of the cost of items to be delivered under the Contract, the Procuring Agency may require the Bidder to produce detailed price analyses for any or all items of the Price Schedules to demonstrate the internal consistency of those prices with the manufacturing methodology and schedule proposed. After evaluation of the price analyses, the Procuring Agency may require that the amount of the Performance Security set forth in Clause IB.37 be increased at the expense of the successful Bidder to a level sufficient to protect the Procuring Agency against financial loss in the event of default of the successful bidder under the Contract.

IB.34 Post Qualification of the Bidder

- 34.1 In the absence of prequalification, the Procuring agency will determine to its satisfaction whether the Bidder that is selected as having submitted the best evaluated and substantially responsive Bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in IB.14 and Technical Evaluation Criteria (Annexure-I to Bidding Data)
- 34.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to IB.14, as well as such other information as the Procuring agency deems necessary and appropriate.
- 34.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in rejection of the Bidder's bid, in which event the Procuring Agency shall proceed to the next best evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.



F. AWARD OF CONTRACT

IB.35 Award Criteria

- 35.1 Subject to Clauses IB.35 and IB.39, the Procuring Agency will award the Contract to the Bidder whose bid has been determined to be technically qualified & substantially responsive to the Bidding Documents and who declared as the most advantageous Bid or Best evaluated Bid in combined weightages (Technical + Financial), provided that such Bidder has been determined to be eligible in accordance with the provisions of Clause IB.3.
- 35.2 The Procuring Agency, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in capacities, may require the Contractors or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not provided that such qualification shall only be laid down after recording reasons therefore in writing. They shall form part of the records of that bid evaluation report.

IB.36 Procuring Agency's Right to ACCEPT any Bid and to REJECT any or all Bids

- 36.1 Notwithstanding Clause IB.34, the Procuring Agency reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected Bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any Bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all Bidders promptly.
- 36.2 At the time of award of the Contract, the Procuring Agency reserves the right to increase or decrease the quantity of items originally specified in Delivery Schedules, provided this does not exceed the percentages indicated in the Bidding Data, and without any change in the unit prices or other terms and conditions of the Bid and the Bidding Document.

IB.37 Notification of Award

- 37.1 Prior to expiration of the period of bid validity prescribed by the Procuring Agency, the Procuring Agency will notify the successful Bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Procuring Agency will pay the Contractor in consideration of the Establishment of Stream Laboratories items by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").
- 37.2 No Negotiation with the Bidder having evaluated as lowest responsive or any other Bidder shall be permitted, however, Procuring Agency may seek clarification in writing to clarify any item in the bid evaluation report; and response of the Bidder shall also be in writing.
- 37.3 The notification of award and its acceptance by the Bidder will constitute the formation of the Contract, binding the Procuring Agency and the Bidder till signing of the formal Contract Agreement.
- 37.3 Upon furnishing by the successful Bidder of a Performance Security, the Procuring Agency will promptly notify the other Bidders that their Bids have been unsuccessful and return their bid securities.



IB.38 Performance Security

- 38.1 The successful Bidder shall furnish to the Procuring Agency a Performance Security in the form and the amount stipulated in the Bidding Data and the Conditions of Contract within a period as indicated in Bidding Data.
- 38.2 Failure of the successful Bidder to comply with the requirements of Sub-Clause IB.37.1 or Clauses IB.38 or IB.40 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.39 Signing of Contract Agreement

- 39.1 Within 15 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, successful bidder shall bring Contract Agreement (as per format given in Tender Documents) on stamp paper of the value as per Stamp Duty Act- latest version, signed and stamped by him for PA signature.

IB.40 General Performance of the Bidders

- 40.1 The Procuring Agency reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts. The Procuring Agency may in case of consistent poor performance of any Bidder as reported by the Procuring Agencies of the previously awarded contracts, inter-alia, reject his bid and proceed in accordance with SPPRA Rules to take such action as may be deemed appropriate under the circumstances of the case including black listing of such Bidder and debarring him from participation in future bidding for Establishment of Stream Laboratories in LOT package items.
- 40.2 The Procuring Agency also reserves the right and power to cancel/terminate the contract due to poor performance of running contract in accordance with the clause 35 of GCC.

IB.41 Integrity Pact

- 41.1 The Bidder shall sign and stamp the Integrity Pact provided at Appendix-G to Bid in the Bidding Documents for all Federal Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.42 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist Bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

IB.43 Margin of Preference

Unless otherwise specified in the Bidding Data, no margin of preference shall apply.



BIDDING DOCUMENT



Data Sheet

1.1 Name and Address of the Procuring Agency:

Project Director, PMIU/SERP-II/SID House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi

1.4 Summary of items to be procured:

Establishment of Stream Laboratories in lot-wise package items as per drawings & detailed specifications for below mentioned categories. The sequence of supply will be as per Schedule of Requirements given in the Tender Documents. The bidder's quoted rates/bid price must include the cost of transportation, depreciation/ damage during handling charges (if required), warranties and all insurances.

All applicable government taxes including GST must also be incorporated in quoted rates. GST charges must be calculated at the rate of as per applicable rates. Bidders need not to add further tax while preparing rates. All the paid vouchers of GST, import duties & Customs are mandatory to be submitted along with running bills to the Procuring Agency.

The complete detail of required item can be viewed in Specifications and is summarized as under:

A. Establishment of Stream Laboratories.

1.7 National/International competitive Bidding

National competitive bidding as per SPPRA Rules-2010 with amendments till now.

2.1-a Source of Financing/Funding Agency:

The project is financed by the Govt of Sindh under Project Director, PMIU/SERP-II/SID House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi

2.1-b Amount and type of financing: *Not Applicable*

4.1 *Not Applicable*

6.1 Location of Delivery

The proposed/tentative list of schools/details in District Will be provided to the Bidder who would be awarded the contract for the Establishment of Stream Laboratories items. (under this tender is provided under Schedule-E; Serial No.2: "Schedule of Delivery" in the Schedules to Bid. The location plans of District are also given in these Tender Documents; however, the Procuring Agency reserves the right to change the exact location of delivery & school building type at any time within the geographical boundaries of SELD Project Area subject to the requirement of each location.

8.1 Time limit for clarification:

Bidders may seek clarification in writing at least three (03) days before the bid submission date.

10.1 Bid language:

English.



11.1 (b) Form of Technical Bid

The Bidder shall furnish & complete the Form of Technical Bid as per format given in Tender Documents on company's original letterhead and submitted along with Technical Proposal duly signed & stamped by the authorized signatory/person of the company indicating the items to be supplied.

Form of Financial Bid

The Bidder shall furnish & complete the Form of Financial Bid indicating total price of all the items to be supplied along with detail of any discounts offered by bidders as per format given in Tender Documents on company's original letterhead and submitted with Financial Proposal duly signed & stamped by the authorized signatory/person of the company.

Both forms must be completed without any alterations to their format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

11.1 (d) Prequalification Information to be updated: Not Applicable

11.1 (g) Furnish Technical Proposal:

- i) Each bidder has to submit a Technical Proposal containing all the required category wise information/data as described in the Technical Evaluation Criteria given as Annexure-1 to Bidding Data to demonstrate the adequacy of the bidder meeting the requirements for timely supply delivery of all item.*
- ii) The bidder is required to attach a schedule prepared on MS Project showing operation and delivery schedule separately as to how the contract will be completed in this stipulated time period based on the capacity & capability of the bidder mentioned in the documents provided under the evaluation criteria.*

11.1 (h) Furnish Financial Proposal:

Each bidder has to submit Financial Proposal/Bid comprising of:

- iii) Letter of Authorization (to be furnished on company's original letterhead) authorising company's representative to sign & submit Bid and/or sign the Contract on behalf of Company.*
- iv) Form of Financial Bid (as per Sub-Clause 11.1 (b) indicated above)*
- v) Price Schedule/BOQ (completed in all respects & in accordance with IB.12 & IB.13)*

12.1 Classification of School Building Types:

A. Higher Secondary / Model Schools Level

12.4 Rates in Price Schedule /BOQ

Following paragraphs are added at the end:

“All the Bidders are also required to fill the rates against items whose quantity is zero or marked “rate only”. In case any such type of item is needed to be executed during Contract period, the cost of item shall be deemed to have been included in overall Contract Price and shall not be taken as variation to Contract and shall not be paid separately.”



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



“If any Bidder has quoted rates with the remarks that all the rates are exclusive of GST/Sales Tax, the Bid may be considered as conditional & the Bidder may be treated as Non-Responsive.”

13.1 Currency of Bid: *Bidders to quote entirely in Pak. Rupees only*

13.2 *Not Applicable*

18.1 Period of Bid Validity: *90 Days after the date of opening of Technical Bids.*

19.1 Amount of Bid Security:

All technical bids must be accompanied by a Bid Security as mentioned in the NIT against each work and uploaded on EPAD.

*Bid Security of required amount (as mentioned above) shall be irrevocable & cashable on-demand and are required to be furnished in Pak Rupees or an equivalent amount in a freely convertible currency in the form of Pay Order/Demand Draft/Call Deposit duly counter guaranteed by a Scheduled Bank in Pakistan in favour of “**Project Director, PMIU/SERP-II/SID** ” and must be delivered to Procuring Agency’s office addressed at **Project Director, PMIU/SERP-II/SID** House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi which should be valid till 30 days beyond the expiry of Bid Validity Period (i.e. 120 days)”.*

20.1 NOT APPLICABLE.

20.2 NOT APPLICABLE.

21.1 Venue, time and date of Pre-Bid Meeting.

NOT APPLICABLE.

22.4 Number of copies of the Bid to be completed and returned:

Scanned copy of Technical Bid shall be uploaded in ePADS as well as financial bid also must be uploaded on ePADs and Original undertakings along with Bid Security (Hard Copy), Undertakings, Tender Fees must be submitted at office of the Procuring Agency before the Date/Time of Bid Opening. Non-Submission of the above-mentioned documents shall result in direct dis-qualification of the bid.

23.1 Submission of Bids

*The bids shall be prepared and submitted as per “**Single Stage Two Envelope**” bidding procedure in accordance with SPPRA Rule 46(2). Eligible bidders may download the Bidding Document from e-PADS (<https://portalsindh.eprocure.gov.pk/#/>). And shall be uploaded their Technical and Financial Bid on EPADs. Manual bids will NOT be accepted unless they have been submitted electronically on e-PADS first.*

23.2(a) Employer's address for the purpose of Bid submission:

Project Director, PMIU/SERP-II/SID School Education and Literacy Department, Govt of Sindh House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi

23.2(b) Name and Number of the Contract:

RSU-SE&LD-: Procurement for the Establishment of Stream Laboratories in 62 Schools,



Project Director, PMIU/SERP-II/SID House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi

24.1(a) Deadline for submission of bids:

As notified in Notice Inviting Tenders NIT

25.1 Description of the weightages to be considered during the evaluation process:

Technical criteria 80% and financial criteria 20% ; Totalling 100%.

27.1 Venue, time, and date of opening of Technical Bids:

Venue: *Committee Room of Project Director, PMIU/SERP-II/SID* House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi

Submission Date & Time: *05th May, 2026 @ 02:30 pm*

Time for opening of Technical Bids: *05th May, 2026 @ 03:00 pm*

27.2 Venue, time, and date of opening of Financial Bids:

Venue: **Project Director, PMIU/SERP-II/SID** House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi

Date: *will be notified to responsive bidders after evaluation of Technical Bids*

Time for opening of Financial Bids: *will be notified to responsive bidders after evaluation of Technical Bids within Bid Validity period*

31.1 Evaluation of Technical Bids

All the Technical Proposals shall be evaluated in accordance with the Technical Evaluation Criteria (attached as per Bidding Data) in order to determine whether each bid is substantially responsive to the requirements of the Bidding Documents & Technically Qualified to perform the contract.

The evaluation committee may also visit the manufacturing facility/display centre or workshop of the potential bidder/s during evaluation of bids in order to determine the capability of the bidder/s to perform the contract.

While conducting evaluation of financial proposals, the weight age points for technical qualification will not be considered.

32.1 Evaluation of Financial Bids

At the end of the evaluation of the Technical Bids, the Procuring Agency will invite only those Bidders who have submitted substantially responsive Technical Bids and who have been determined as Technically Qualified for opening of their Financial Bids/Proposals. The Financial Bids of bidders determined as unsuccessful/Dis-Qualified in Technical Evaluation shall be returned unopened.



32.2 (c) Not Applicable

33.4 Not Applicable

34. Not Applicable

36.1 Prospective bidder(s) may quote all District (Complete Bid).

36.2 Percentage (%) of Increase / Decrease in quantity and Cost of items up to $\pm 15\%$.

37.1 Performance Security acceptable to the Employer:

*The successful Bidder shall furnish a Performance Security in the form of unconditional on-demand Bank Guarantee/ Insurance Guarantee which shall be equal to **10% of Contract Amount** stated in the Letter of Award/ Acceptance & submit within a period of 14 days after the receipt of Letter of Acceptance. Procuring agency reserves the right to amend/change/modify mode and shape of Performance Security as per PA instructions.*

38.1 Validity of Performance Security:

Performance Security shall be valid up to the completion of Warranty Period (1 Year)

39.1 Signing of Contract Agreement:

Within fourteen (14) days from the date of furnishing acceptable Performance Security as indicated above, the successful bidder shall bring Contract Agreement (as per format given in Tender Documents) of the value as per Stamp Duty Act- latest version, signed and stamped by him for signature and stamp.

39.1 Stamp duty

Stamp duty on contract agreement or other papers shall be paid by the successful bidder/ contractor as per percentage given in Stamp Duty Act of Sindh- latest version. The updated schedule can be obtained from the office of Chief Inspector of Stamps, Sindh Board of Revenue, opposite MPA hostel, High Court Road, Karachi.

43 Margin of Preference: Not Applicable

44. Advance Payment:

Advance payment is permitted as per Procuring Agency instruction(s)/ Condition to be described from the Procuring Agency



TECHNICAL EVALUATION CRITERIA
(Individually Lot-wise Technical Criteria is established)



TECHNICAL EVALUATION CRITERIA
(FOR LOT-01 – KARACHI REGION)

Mandatory Information (Documents Required)

Sr #	Description
1.	National Tax Number (Certificate)
2.	Sales Tax Registration (Certificate)
3.	Active Tax Payer Sales Tax and Income Tax
4.	Valid PEC Registration Certificate
5.	Undertaking for No black listing/debarred certificate on E-Stamp paper in the 05 years.
6.	Undertaking for Litigation in current history on E-Stamp paper for contract under litigation or arbitration in last 05 years.
7.	Undertaking on E-Stamp; Firm/ Bidder undertaking and assuring that the bidder is the sole importer of the good(s) quoted along with providing genuine contact Information of the Manufacturer.
8.	Manufacturer Authorization Letter (IT, Furniture, Solar System & Science Material) - Manufacturer (Furniture) must be registered with Authorities as Furniture Manufacturer
9.	Logistic(s) Partner Authorization Certificate – Ensuring timely and dedicated vehicle(s) support – Provide dedicated Vehicle Detail for the complete project (on Logistic Partner Letterhead)

General Information (Max. Marks = 10)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
2.1	Number of years of company establishment /establishment of Firm	10	10 marks will be given for 10 years of firm establishment. <ul style="list-style-type: none"> • For 08 to 10 years 5 marks will be awarded. • For 05 to 08 years 1 marks will be awarded. • Copies of company registration must to be submitted as evidence. • No marks will be given if no acceptable evidence or fake/invalid evidence is provided.

3 FINANCIAL CRITERIA (Max. Marks = 25)

3.1	Bank Account Details of same financial value	15	<ul style="list-style-type: none"> ➤ 15 Marks: Details of the bidder's bank account, duly supported by a Bank's Letter and Bank Statement for the last one (01) year, confirming current balance/ access to available funds, and/or credit line facility amounting to a minimum of PKR 250.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ 10 Marks: Details of the bidder's bank account, duly supported by a Bank's Letter and Bank Statement for the last one (01) year, confirming current balance, access to available funds, and/or credit line facility amounting to a minimum of PKR 200.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ No Marks will be given if current balance, access to available funds, and/or credit line facility is less than PKR
-----	--	----	--



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			200.00 million / no account detail and relevant documents/evidence is not provided.
3.2	Annual Turnover of last 03 years	10	<ul style="list-style-type: none"> ➤ 10 marks are given if the available average annual (Goods) turnover for last (03) Three years is equal to or above PKR. 600.00 million. ➤ 04 marks are given if the available average annual (Goods) turnover for last (03) three years is equal to or above PKR. 500.00 million. ➤ No marks shall be given if available average working (Goods) capital of last (03) three years is less than PKR. 500.00 million.

Note:-

- Please attached copies of financial statements (balance sheets including all related notes, and income statements) for the last (03) three years
- Furthermore, please submit Income Tax returns to substantiate the aforementioned claims and demonstrate compliance with the required turnover.
- All Such documents must reflect the financial situation of the legal entity or entities comprising the bidder and not the bidder’s parent companies, subsidiaries or affiliates.

4. Experience Record – (Max. Marks = 35)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
4.1	Previous experience of Contractor/Bidder in last 03 years to with similar nature:		
	Minimum 06 Projects completed in last (03) years. Projects/ work awarded must be in Government Sector.	35	<p><u>(Max Marks – 10) for IT SUPPLY.</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 170 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p align="center">AND</p> <p><u>(Max Marks – 10) for Science Material/ Lab Equipment</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 180 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 120 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p align="center">AND</p> <p><u>Max Marks – 15 for Solar System</u> A score of 15 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 150 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p>



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			Copies of Purchase Order/ Supply Order along with Completion certificates of each project individually from concerned authorities / clients are mandatory to be submitted as evidence which may be verified. No marks will be given if no evidence or fake/invalid evidence is provided.
Note	PASSING EXPERIENCE RECORD CRITERIA IS MANDATORY.		

5. Expertise – (Max. Marks = 20)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
All Bidders are required to provide detailed information/expertise of their firm/ company in the following categories in the shape of printed material, photos, presentations or any other means:			
5.1	Skilled Manpower	05	05 marks will be given if the acceptable details of Senior Management and skilled manpower possessed by the company has been provided. Who are working with the company for at least one year. Evidence of staff detail is mandatory including job letter, CVs, and at least two PEC approved Engineers registered with Bidding Firm – PEC Card of Engineer(s) Required. No marks will be given if the acceptable details/evidence Senior Management and skilled manpower is not provided.
5.2	PEC Certification	15	15 marks will be given for Valid PEC certificate having specialized codes EE04, EE09, EE11(iii), EE11(vi)

6. Quality Assurance System/Procedure (Max. Marks=10)

Sr #	Description	Maximum Marks
6.1	Contractor’s Quality Assurance System/ Procedure Each bidder has to provide acceptable details of initiatives undertaken by the company for Quality Control & Quality Assurance SOPS and Guidelines at various stages from supply to delivery Specialized in IT Supplier and Science Material. (05 Marks) Additionally, also provide quality certification obtained such as ISO 9001:2015. (05 Marks)	10

Note: *The total technical marks are 100. Each bidder must achieve a minimum cumulative score of 80% to be considered technically qualified. However, meeting the experience record and production capacity criteria is mandatory; failure to do so will result in automatic disqualification from the technical evaluation. Passing Experience Record and Financial Criteria is mandatory. All documents submitted by bidders will be verified by the procuring agency during the technical evaluation process. The evaluation process will consider the combined weightages as specified in clause 25.1 of the bidding document data sheet.*



TECHNICAL EVALUATION CRITERIA
(FOR LOT-02 – HYDERABAD REGION)

Mandatory Information (Documents Required)

Sr #	Description
1	National Tax Number (Certificate)
2	Sales Tax Registration (Certificate)
3	Active Tax Payer Sales Tax and Income Tax
4	Valid PEC Registration Certificate
5	Undertaking for No black listing/debarred certificate on E-Stamp paper in the 05 years.
6	Undertaking for Litigation in current history on E-Stamp paper for contract under litigation or arbitration in last 05 years.
7	Undertaking on E-Stamp; Firm/ Bidder undertaking and assuring that the bidder is the sole importer of the good(s) quoted along with providing genuine contact Information of the Manufacturer.
8	Manufacturer Authorization Letter (IT, Furniture, Solar System & Science Material) - Manufacturer (Furniture) must be registered with Authorities as Furniture Manufacturer
9	Logistic(s) Partner Authorization Certificate – Ensuring timely and dedicated vehicle(s) support – Provide dedicated Vehicle Detail for the complete project (on Logistic Partner Letterhead)

General Information (Max. Marks = 10)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
2.1	Number of years of company establishment /establishment of Firm	10	10 marks will be given for 10 years of firm establishment. <ul style="list-style-type: none"> • For 08 to 10 years 5 marks will be awarded. • For 05 to 08 years 1 marks will be awarded. • Copies of company registration must to be submitted as evidence. • No marks will be given if no acceptable evidence or fake/invalid evidence is provided.
3 FINANCIAL CRITERIA (Max. Marks = 25)			
3.1	Bank Account Details of same financial value	15	<ul style="list-style-type: none"> ➤ 15 Marks: Details of the bidder’s bank account, duly supported by a Bank’s Letter and Bank Statement for the last one (01) year, confirming current balance/ access to available funds, and/or credit line facility amounting to a minimum of PKR 500.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ 10 Marks: Details of the bidder’s bank account, duly supported by a Bank’s Letter and Bank Statement for the last one (01) year, confirming current balance, access to available funds, and/or credit line facility amounting to a minimum of PKR 450.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ No Marks will be given if current balance, access to available funds, and/or credit line facility is less than PKR



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			450.00 million / no account detail and relevant documents/evidence is not provided.
3.2	Annual Turnover of last 03 years	10	<ul style="list-style-type: none"> ➤ 10 marks are given if the available average annual (Goods) turnover for last (03) Three years is equal to or above PKR. 750.00 million. ➤ 04 marks are given if the available average annual (Goods) turnover for last (03) three years is equal to or above PKR. 500.00 million. ➤ No marks shall be given if available average working (Goods) capital of last (03) three years is less than PKR. 500.00 million.

Note:-

- Please attached copies of financial statements (balance sheets including all related notes, and income statements) for the last (03) three years
- Furthermore, please submit Income Tax returns to substantiate the aforementioned claims and demonstrate compliance with the required turnover.
- All Such documents must reflect the financial situation of the legal entity or entities comprising the bidder and not the bidder's parent companies, subsidiaries or affiliates.

4. Experience Record – (Max. Marks = 35)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
4.1	Previous experience of Contractor/Bidder in last 03 years to with similar nature:		
	Minimum 06 Projects completed in last (03) years. Projects/ work awarded must be in Government Sector.	35	<p><u>(Max Marks – 10) for IT SUPPLY.</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 170 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p style="text-align: center;">AND</p> <p><u>(Max Marks – 10) for Science Material/ Lab Equipment</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 180 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 120 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p style="text-align: center;">AND</p> <p><u>Max Marks – 15 for Solar System</u> A score of 15 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 150 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p>



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			Copies of Purchase Order/ Supply Order along with Completion certificates of each project individually from concerned authorities / clients are mandatory to be submitted as evidence which may be verified. No marks will be given if no evidence or fake/invalid evidence is provided.
Note	PASSING EXPERIENCE RECORD CRITERIA IS MANDATORY.		

5. Expertise – (Max. Marks = 20)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
All Bidders are required to provide detailed information/expertise of their firm/ company in the following categories in the shape of printed material, photos, presentations or any other means:			
5.1	Skilled Manpower	05	05 marks will be given if the acceptable details of Senior Management and skilled manpower possessed by the company has been provided. Who are working with the company for at least one year. Evidence of staff detail is mandatory including job letter, CVs, and at least two PEC approved Engineers registered with Bidding Firm – PEC Card of Engineer(s) Required. No marks will be given if the acceptable details/evidence Senior Management and skilled manpower is not provided.
5.2	PEC Certification	15	15 marks will be given for Valid PEC certificate having specialized codes EE04, EE09, EE11(iii), EE11(vi)

6. Quality Assurance System/Procedure (Max. Marks=10)

Sr #	Description	Maximum Marks
6.1	Contractor’s Quality Assurance System/ Procedure Each bidder has to provide acceptable details of initiatives undertaken by the company for Quality Control & Quality Assurance SOPS and Guidelines at various stages from supply to delivery Specialized in IT Supplier and Science Material. (05 Marks) Additionally, also provide quality certification obtained such as ISO 9001:2015. (05 Marks)	10

Note: *The total technical marks are 100. Each bidder must achieve a minimum cumulative score of 80% to be considered technically qualified. However, meeting the experience record and production capacity criteria is mandatory; failure to do so will result in automatic disqualification from the technical evaluation. Passing Experience Record and Financial Criteria is mandatory. All documents submitted by bidders will be verified by the procuring agency during the technical evaluation process. The evaluation process will consider the combined weightages as specified in clause 25.1 of the bidding document data sheet.*



TECHNICAL EVALUATION CRITERIA
(FOR LOT-03 – SUKKUR REGION)

Mandatory Information (Documents Required)

Sr #	Description
1	National Tax Number (Certificate)
2	Sales Tax Registration (Certificate)
3	Active Tax Payer Sales Tax and Income Tax
4	Valid PEC Registration Certificate
5	Undertaking for No black listing/debarred certificate on E-Stamp paper in the 05 years.
6	Undertaking for Litigation in current history on E-Stamp paper for contract under litigation or arbitration in last 05 years.
7	Undertaking on E-Stamp; Firm/ Bidder undertaking and assuring that the bidder is the sole importer of the good(s) quoted along with providing genuine contact Information of the Manufacturer.
8	Manufacturer Authorization Letter (IT, Furniture, Solar System & Science Material) - Manufacturer (Furniture) must be registered with Authorities as Furniture Manufacturer
9	Logistic(s) Partner Authorization Certificate – Ensuring timely and dedicated vehicle(s) support – Provide dedicated Vehicle Detail for the complete project (on Logistic Partner Letterhead)

General Information (Max. Marks = 10)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
2.1	Number of years of company establishment /establishment of Firm	10	10 marks will be given for 10 years of firm establishment. <ul style="list-style-type: none"> For 08 to 10 years 5 marks will be awarded. For 05 to 08 years 1 marks will be awarded. Copies of company registration must to be submitted as evidence. No marks will be given if no acceptable evidence or fake/invalid evidence is provided.

3 FINANCIAL CRITERIA (Max. Marks = 25)

3.1	Bank Account Details of same financial value	15	<ul style="list-style-type: none"> ➤ 15 Marks: Details of the bidder’s bank account, duly supported by a Bank’s Letter and Bank Statement for the last one (01) year, confirming current balance/ access to available funds, and/or credit line facility amounting to a minimum of PKR 250.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ 10 Marks: Details of the bidder’s bank account, duly supported by a Bank’s Letter and Bank Statement for the last one (01) year, confirming current balance, access to available funds, and/or credit line facility amounting to a minimum of PKR 200.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ No Marks will be given if current balance, access to available funds, and/or credit line facility is less than PKR
-----	--	----	--



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			200.00 million / no account detail and relevant documents/evidence is not provided.
3.2	Annual Turnover of last 03 years	10	<ul style="list-style-type: none"> ➤ 10 marks are given if the available average annual (Goods) turnover for last (03) Three years is equal to or above PKR. 600.00 million. ➤ 04 marks are given if the available average annual (Goods) turnover for last (03) three years is equal to or above PKR. 500.00 million. ➤ No marks shall be given if available average working (Goods) capital of last (03) three years is less than PKR. 500.00 million.

Note:-

- Please attached copies of financial statements (balance sheets including all related notes, and income statements) for the last (03) three years
- Furthermore, please submit Income Tax returns to substantiate the aforementioned claims and demonstrate compliance with the required turnover.
- All Such documents must reflect the financial situation of the legal entity or entities comprising the bidder and not the bidder’s parent companies, subsidiaries or affiliates.

4. Experience Record – (Max. Marks = 35)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
4.1	Previous experience of Contractor/Bidder in last 03 years to with similar nature:		
	Minimum 06 Projects completed in last (03) years. Projects/ work awarded must be in Government Sector.	35	<p><u>(Max Marks – 10) for IT SUPPLY.</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 170 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p align="center">AND</p> <p><u>(Max Marks – 10) for Science Material/ Lab Equipment</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 180 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 120 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p align="center">AND</p> <p><u>Max Marks – 15 for Solar System</u> A score of 15 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 150 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p>



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			Copies of Purchase Order/ Supply Order along with Completion certificates of each project individually from concerned authorities / clients are mandatory to be submitted as evidence which may be verified. No marks will be given if no evidence or fake/invalid evidence is provided.
Note	PASSING EXPERIENCE RECORD CRITERIA IS MANDATORY.		

5. Expertise – (Max. Marks = 20)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
All Bidders are required to provide detailed information/expertise of their firm/ company in the following categories in the shape of printed material, photos, presentations or any other means:			
5.1	Skilled Manpower	05	05 marks will be given if the acceptable details of Senior Management and skilled manpower possessed by the company has been provided. Who are working with the company for at least one year. Evidence of staff detail is mandatory including job letter, CVs, and at least two PEC approved Engineers registered with Bidding Firm – PEC Card of Engineer(s) Required. No marks will be given if the acceptable details/evidence Senior Management and skilled manpower is not provided.
5.2	PEC Certification	15	15 marks will be given for Valid PEC certificate having specialized codes EE04, EE09, EE11(iii), EE11(vi)

6. Quality Assurance System/Procedure (Max. Marks=10)

Sr #	Description	Maximum Marks
6.1	Contractor’s Quality Assurance System/ Procedure Each bidder has to provide acceptable details of initiatives undertaken by the company for Quality Control & Quality Assurance SOPS and Guidelines at various stages from supply to delivery Specialized in IT Supplier and Science Material. (05 Marks) Additionally, also provide quality certification obtained such as ISO 9001:2015. (05 Marks)	10

Note: *The total technical marks are 100. Each bidder must achieve a minimum cumulative score of 80% to be considered technically qualified. However, meeting the experience record and production capacity criteria is mandatory; failure to do so will result in automatic disqualification from the technical evaluation. Passing Experience Record and Financial Criteria is mandatory. All documents submitted by bidders will be verified by the procuring agency during the technical evaluation process. The evaluation process will consider the combined weightages as specified in clause 25.1 of the bidding document data sheet.*



TECHNICAL EVALUATION CRITERIA
(FOR LOT-04 – LARKANA REGION)

Mandatory Information (Documents Required)

Sr #	Description
1	National Tax Number (Certificate)
2	Sales Tax Registration (Certificate)
3	Active Tax Payer Sales Tax and Income Tax
4	Valid PEC Registration Certificate
5	Undertaking for No black listing/debarred certificate on E-Stamp paper in the 05 years.
6	Undertaking for Litigation in current history on E-Stamp paper for contract under litigation or arbitration in last 05 years.
7	Undertaking on E-Stamp; Firm/ Bidder undertaking and assuring that the bidder is the sole importer of the good(s) quoted along with providing genuine contact Information of the Manufacturer.
8	Manufacturer Authorization Letter (IT, Furniture, Solar System & Science Material) - Manufacturer (Furniture) must be registered with Authorities as Furniture Manufacturer
9	Logistic(s) Partner Authorization Certificate – Ensuring timely and dedicated vehicle(s) support – Provide dedicated Vehicle Detail for the complete project (on Logistic Partner Letterhead)

General Information (Max. Marks = 10)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
2.1	Number of years of company establishment /establishment of Firm	10	10 marks will be given for 10 years of firm establishment. <ul style="list-style-type: none"> • For 08 to 10 years 5 marks will be awarded. • For 05 to 08 years 1 marks will be awarded. • Copies of company registration must to be submitted as evidence. • No marks will be given if no acceptable evidence or fake/invalid evidence is provided.

3 FINANCIAL CRITERIA (Max. Marks = 25)

3.1	Bank Account Details of same financial value	15	<ul style="list-style-type: none"> ➤ 15 Marks: Details of the bidder’s bank account, duly supported by a Bank’s Letter and Bank Statement for the last one (01) year, confirming current balance/ access to available funds, and/or credit line facility amounting to a minimum of PKR 250.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ 10 Marks: Details of the bidder’s bank account, duly supported by a Bank’s Letter and Bank Statement for the last one (01) year, confirming current balance, access to available funds, and/or credit line facility amounting to a minimum of PKR 200.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ No Marks will be given if current balance, access to available funds, and/or credit line facility is less than PKR
-----	--	----	--



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			200.00 million / no account detail and relevant documents/evidence is not provided.
3.2	Annual Turnover of last 03 years	10	<ul style="list-style-type: none"> ➤ 10 marks are given if the available average annual (Goods) turnover for last (03) Three years is equal to or above PKR. 600.00 million. ➤ 04 marks are given if the available average annual (Goods) turnover for last (03) three years is equal to or above PKR. 500.00 million. ➤ No marks shall be given if available average working (Goods) capital of last (03) three years is less than PKR. 500.00 million.

Note:-

- Please attached copies of financial statements (balance sheets including all related notes, and income statements) for the last (03) three years
- Furthermore, please submit Income Tax returns to substantiate the aforementioned claims and demonstrate compliance with the required turnover.
- All Such documents must reflect the financial situation of the legal entity or entities comprising the bidder and not the bidder's parent companies, subsidiaries or affiliates.

4. Experience Record – (Max. Marks = 35)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
4.1	Previous experience of Contractor/Bidder in last 03 years to with similar nature:		
	Minimum 06 Projects completed in last (03) years. Projects/ work awarded must be in Government Sector.	35	<p><u>(Max Marks – 10) for IT SUPPLY.</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 170 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p style="text-align: center;">AND</p> <p><u>(Max Marks – 10) for Science Material/ Lab Equipment</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 180 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 120 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p style="text-align: center;">AND</p> <p><u>Max Marks – 15 for Solar System</u> A score of 15 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 150 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p>



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			Copies of Purchase Order/ Supply Order along with Completion certificates of each project individually from concerned authorities / clients are mandatory to be submitted as evidence which may be verified. No marks will be given if no evidence or fake/invalid evidence is provided.
Note	PASSING EXPERIENCE RECORD CRITERIA IS MANDATORY.		

5. Expertise – (Max. Marks = 20)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
All Bidders are required to provide detailed information/expertise of their firm/ company in the following categories in the shape of printed material, photos, presentations or any other means:			
5.1	Skilled Manpower	05	05 marks will be given if the acceptable details of Senior Management and skilled manpower possessed by the company has been provided. Who are working with the company for at least one year. Evidence of staff detail is mandatory including job letter, CVs, and at least two PEC approved Engineers registered with Bidding Firm – PEC Card of Engineer(s) Required. No marks will be given if the acceptable details/evidence Senior Management and skilled manpower is not provided.
5.2	PEC Certification	15	15 marks will be given for Valid PEC certificate having specialized codes EE04, EE09, EE11(iii), EE11(vi)

6. Quality Assurance System/Procedure (Max. Marks=10)

Sr #	Description	Maximum Marks
6.1	Contractor’s Quality Assurance System/ Procedure Each bidder has to provide acceptable details of initiatives undertaken by the company for Quality Control & Quality Assurance SOPs and Guidelines at various stages from supply to delivery Specialized in IT Supplier and Science Material. (05 Marks) Additionally, also provide quality certification obtained such as ISO 9001:2015. (05 Marks)	10

Note: *The total technical marks are 100. Each bidder must achieve a minimum cumulative score of 80% to be considered technically qualified. However, meeting the experience record and production capacity criteria is mandatory; failure to do so will result in automatic disqualification from the technical evaluation. Passing Experience Record and Financial Criteria is mandatory. All documents submitted by bidders will be verified by the procuring agency during the technical evaluation process. The evaluation process will consider the combined weightages as specified in clause 25.1 of the bidding document data sheet.*



TECHNICAL EVALUATION CRITERIA
(FOR LOT-05 – MIRPURKHAS REGION)

Mandatory Information (Documents Required)

Sr #	Description
1	National Tax Number (Certificate)
2	Sales Tax Registration (Certificate)
3	Active Tax Payer Sales Tax and Income Tax
4	Valid PEC Registration Certificate
5	Undertaking for No black listing/debarred certificate on E-Stamp paper in the 05 years.
6	Undertaking for Litigation in current history on E-Stamp paper for contract under litigation or arbitration in last 05 years.
7	Undertaking on E-Stamp; Firm/ Bidder undertaking and assuring that the bidder is the sole importer of the good(s) quoted along with providing genuine contact Information of the Manufacturer.
8	Manufacturer Authorization Letter (IT, Furniture, Solar System & Science Material) - Manufacturer (Furniture) must be registered with Authorities as Furniture Manufacturer)
9	Logistic(s) Partner Authorization Certificate – Ensuring timely and dedicated vehicle(s) support – Provide dedicated Vehicle Detail for the complete project (on Logistic Partner Letterhead)

General Information (Max. Marks = 10)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
2.1	Number of years of company establishment /establishment of Firm	10	10 marks will be given for 10 years of firm establishment. <ul style="list-style-type: none"> For 08 to 10 years 5 marks will be awarded. For 05 to 08 years 1 marks will be awarded. Copies of company registration must to be submitted as evidence. No marks will be given if no acceptable evidence or fake/invalid evidence is provided.

3 FINANCIAL CRITERIA (Max. Marks = 25)

3.1	Bank Account Details of same financial value	15	<ul style="list-style-type: none"> ➤ 15 Marks: Details of the bidder's bank account, duly supported by a Bank's Letter and Bank Statement for the last one (01) year, confirming current balance/ access to available funds, and/or credit line facility amounting to a minimum of PKR 130.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ 10 Marks: Details of the bidder's bank account, duly supported by a Bank's Letter and Bank Statement for the last one (01) year, confirming current balance, access to available funds, and/or credit line facility amounting to a minimum of PKR 90.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ No Marks will be given if current balance, access to available funds, and/or credit line facility is less than PKR
-----	--	----	---



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			90.00 million / no account detail and relevant documents/evidence is not provided.
3.2	Annual Turnover of last 03 years	10	<ul style="list-style-type: none"> ➤ 10 marks are given if the available average annual (Goods) turnover for last (03) Three years is equal to or above PKR. 400.00 million. ➤ 04 marks are given if the available average annual (Goods) turnover for last (03) three years is equal to or above PKR. 350.00 million. ➤ No marks shall be given if available average working (Goods) capital of last (03) three years is less than PKR. 350.00 million.

Note:-

- Please attached copies of financial statements (balance sheets including all related notes, and income statements) for the last (03) three years
- Furthermore, please submit Income Tax returns to substantiate the aforementioned claims and demonstrate compliance with the required turnover.
- All Such documents must reflect the financial situation of the legal entity or entities comprising the bidder and not the bidder's parent companies, subsidiaries or affiliates.

4. Experience Record – (Max. Marks = 35)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
4.1	Previous experience of Contractor/Bidder in last 03 years to with similar nature:		
	Minimum 06 Projects completed in last (03) years. Projects/ work awarded must be in Government Sector.	35	<p><u>(Max Marks – 10) for IT SUPPLY.</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 140 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p align="center">AND</p> <p><u>(Max Marks – 10) for Science Material/ Lab Equipment</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 180 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 110 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p align="center">AND</p> <p><u>Max Marks – 15 for Solar System</u> A score of 15 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 130 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p>



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			Copies of Purchase Order/ Supply Order along with Completion certificates of each project individually from concerned authorities / clients are mandatory to be submitted as evidence which may be verified. No marks will be given if no evidence or fake/invalid evidence is provided.
Note	PASSING EXPERIENCE RECORD CRITERIA IS MANDATORY.		

5. Expertise – (Max. Marks = 20)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
All Bidders are required to provide detailed information/expertise of their firm/ company in the following categories in the shape of printed material, photos, presentations or any other means:			
5.1	Skilled Manpower	05	05 marks will be given if the acceptable details of Senior Management and skilled manpower possessed by the company has been provided. Who are working with the company for at least one year. Evidence of staff detail is mandatory including job letter, CVs, and at least two PEC approved Engineers registered with Bidding Firm – PEC Card of Engineer(s) Required. No marks will be given if the acceptable details/evidence Senior Management and skilled manpower is not provided.
5.2	PEC Certification	15	15 marks will be given for Valid PEC certificate having specialized codes EE04, EE09, EE11(iii), EE11(vi)

6. Quality Assurance System/Procedure (Max. Marks=10)

Sr #	Description	Maximum Marks
6.1	Contractor's Quality Assurance System/ Procedure Each bidder has to provide acceptable details of initiatives undertaken by the company for Quality Control & Quality Assurance SOPS and Guidelines at various stages from supply to delivery Specialized in IT Supplier and Science Material. (05 Marks) Additionally, also provide quality certification obtained such as ISO 9001:2015. (05 Marks)	10

Note: The total technical marks are 100. Each bidder must achieve a minimum cumulative score of 80% to be considered technically qualified. However, meeting the experience record and production capacity criteria is mandatory; failure to do so will result in automatic disqualification from the technical evaluation.
Passing Experience Record and Financial Criteria is mandatory.
All documents submitted by bidders will be verified by the procuring agency during the technical evaluation process.
The evaluation process will consider the combined weightages as specified in clause 25.1 of the bidding document data sheet.



TECHNICAL EVALUATION CRITERIA
(FOR LOT-06 – SHAHEED BENAZIRABAD REGION)

Mandatory Information (Documents Required)

Sr #	Description
1	National Tax Number (Certificate)
2	Sales Tax Registration (Certificate)
3	Active Tax Payer Sales Tax and Income Tax
4	Valid PEC Registration Certificate
5	Undertaking for No black listing/debarred certificate on E-Stamp paper in the 05 years.
6	Undertaking for Litigation in current history on E-Stamp paper for contract under litigation or arbitration in last 05 years.
7	Undertaking on E-Stamp; Firm/ Bidder undertaking and assuring that the bidder is the sole importer of the good(s) quoted along with providing genuine contact Information of the Manufacturer.
8	Manufacturer Authorization Letter (IT, Furniture, Solar System & Science Material) - Manufacturer (Furniture) must be registered with Authorities as Furniture Manufacturer
9	Logistic(s) Partner Authorization Certificate – Ensuring timely and dedicated vehicle(s) support – Provide dedicated Vehicle Detail for the complete project (on Logistic Partner Letterhead)

General Information (Max. Marks = 10)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
2.1	Number of years of company establishment /establishment of Firm	10	10 marks will be given for 10 years of firm establishment. <ul style="list-style-type: none"> For 08 to 10 years 5 marks will be awarded. For 05 to 08 years 1 marks will be awarded. Copies of company registration must to be submitted as evidence. No marks will be given if no acceptable evidence or fake/invalid evidence is provided.
3 FINANCIAL CRITERIA (Max. Marks = 25)			
3.1	Bank Account Details of same financial value	15	<ul style="list-style-type: none"> ➤ 15 Marks: Details of the bidder’s bank account, duly supported by a Bank’s Letter and Bank Statement for the last one (01) year, confirming current balance/ access to available funds, and/or credit line facility amounting to a minimum of PKR 130.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ 10 Marks: Details of the bidder’s bank account, duly supported by a Bank’s Letter and Bank Statement for the last one (01) year, confirming current balance, access to available funds, and/or credit line facility amounting to a minimum of PKR 90.00 million, shall be provided to determine the financial flow and financial capacity of the bidder. ➤ No Marks will be given if current balance, access to



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			available funds, and/or credit line facility is less than PKR 90.00 million / no account detail and relevant documents/evidence is not provided.
3.2	Annual Turnover of last 03 years	10	<ul style="list-style-type: none"> ➤ 10 marks are given if the available average annual (Goods) turnover for last (03) Three years is equal to or above PKR. 400.00 million. ➤ 04 marks are given if the available average annual (Goods) turnover for last (03) three years is equal to or above PKR. 350.00 million. ➤ No marks shall be given if available average working (Goods) capital of last (03) three years is less than PKR. 350.00 million.

Note:-

- Please attached copies of financial statements (balance sheets including all related notes, and income statements) for the last (03) three years
- Furthermore, please submit Income Tax returns to substantiate the aforementioned claims and demonstrate compliance with the required turnover.
- All Such documents must reflect the financial situation of the legal entity or entities comprising the bidder and not the bidder's parent companies, subsidiaries or affiliates.

4. Experience Record – (Max. Marks = 35)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
4.1	Previous experience of Contractor/Bidder in last 03 years to with similar nature:		
	Minimum 06 Projects completed in last (03) years. Projects/ work awarded must be in Government Sector.	35	<p><u>((Max Marks – 10) for IT SUPPLY.</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 140 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p style="text-align: center;">AND</p> <p><u>(Max Marks – 10) for Science Material/ Lab Equipment</u> A score of 10 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 180 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 110 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p> <p style="text-align: center;">AND</p> <p><u>Max Marks – 15 for Solar System</u> A score of 15 marks shall be allocated to bidders who have completed Projects/ Supply contracts totaling PKR 200 million or more within the past three (03) years, provided that at least one (01) contract has a minimum value of PKR 130 million. All contracts must be of comparable size, type, nature, and complexity and must have been executed within the Government Sector.</p>



Sr #	Description	Maximum Marks	Criteria for Marks Obtained
			Copies of Purchase Order/ Supply Order along with Completion certificates of each project individually from concerned authorities / clients are mandatory to be submitted as evidence which may be verified. No marks will be given if no evidence or fake/invalid evidence is provided.
Note	PASSING EXPERIENCE RECORD CRITERIA IS MANDATORY.		

5. Expertise – (Max. Marks = 20)

Sr #	Description	Maximum Marks	Criteria for Marks Obtained
All Bidders are required to provide detailed information/expertise of their firm/ company in the following categories in the shape of printed material, photos, presentations or any other means:			
5.1	Skilled Manpower	05	05 marks will be given if the acceptable details of Senior Management and skilled manpower possessed by the company has been provided. Who are working with the company for at least one year. Evidence of staff detail is mandatory including job letter, CVs, and at least two PEC approved Engineers registered with Bidding Firm – PEC Card of Engineer(s) Required. No marks will be given if the acceptable details/evidence Senior Management and skilled manpower is not provided.
5.2	PEC Certification	15	15 marks will be given for Valid PEC certificate having specialized codes EE04, EE09, EE11(iii), EE11(vi)

6. Quality Assurance System/Procedure (Max. Marks=10)

Sr #	Description	Maximum Marks
6.1	Contractor’s Quality Assurance System/ Procedure Each bidder has to provide acceptable details of initiatives undertaken by the company for Quality Control & Quality Assurance SOPS and Guidelines at various stages from supply to delivery Specialized in IT Supplier and Science Material. (05 Marks) Additionally, also provide quality certification obtained such as ISO 9001:2015. (05 Marks)	10

Note: *The total technical marks are 100. Each bidder must achieve a minimum cumulative score of 80% to be considered technically qualified. However, meeting the experience record and production capacity criteria is mandatory; failure to do so will result in automatic disqualification from the technical evaluation. Passing Experience Record and Financial Criteria is mandatory. All documents submitted by bidders will be verified by the procuring agency during the technical evaluation process. The evaluation process will consider the combined weightages as specified in clause 25.1 of the bidding document data sheet.*



General Conditions of Contract



1. Definitions

1.1

The following words and expressions shall have the meanings hereby assigned to them:

- a) “Contract” means the Agreement entered into between the Procuring Agency and the Contractor, together with the Contract Documents referred to therein, including all attachments, appendices, schedules and all documents incorporated by reference therein.
- b) “Contract Documents” means the documents listed in the Agreement, including any amendments thereto.
- c) “Contract Price” means the price payable to the Contractor as specified in the Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- d) “Day” means calendar day.
- e) “Delivery” means the transfer of the Items from the Contractor to the Procuring Agency in accordance with the terms and conditions set forth in the Contract.
- f) “Completion” means the fulfilment of the supply of Items by the Contractor in accordance with the terms and conditions set forth in the Contract.
- g) “Eligible Countries” means the countries as per Appendix-A.
- h) “GCC” means the General Conditions of Contract.
- i) “Procuring Agency’s Country” is the country specified in the Particular Conditions of Contract (PCC)
- j) The “Procuring Agency” means the Employer who is the entity purchasing the items as specified in the PCC, and includes the legal successors or assigns of the Procuring Agency.
- k) “PCC” means the Particular Conditions of Contract.
- l) “Contractor” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Procuring Agency and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Contractor.



2. Contract Document	2.1	Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.
3. Corrupt and Fraudulent Practices	3.1	<p>a) For the purposes of this provision, the term “Corrupt and Fraudulent Practices” includes the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official or the Contractor or contractor in the procurement process or in contract execution to the detriment of the procuring agencies; or misrepresentation of facts in order to influence a procurement process or the execution of a contract, collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the procuring agencies of the benefits of free and open competition and any request for, or solicitation of anything of value by any public official in the course of the exercise of his duty.</p> <p>b) The Procuring Agency will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt and fraudulent practices in competing for the Contract.</p>
	3.2	The Contractor shall permit the Procuring Agency to inspect the Contractor’s accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Procuring Agency, if so required by the Procuring Agency.
4. Interpretation	4.1	If the context so requires it, singular means plural and vice versa where the context requires.
	4.2	<p>Incoterms The meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.</p> <p>(a) EXW, CIF, DDP, and other similar terms, shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce at the date of the Invitation for Bids or as specified in the PCC.</p>
	4.3	<p>Entire Agreement The Contract constitutes the entire agreement between the Procuring Agency and the Contractor and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.</p>



	4.4	Amendment No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.
	4.5	Non-waiver a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract. b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.
	4.6	Severability If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.
5. Language	5.1	The Contract as well as all correspondence and documents relating to the Contract exchanged by the Contractor and the Procuring Agency, shall be written in the language specified in the PCC. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the PCC, in which case, for purposes of interpretation of the Contract, this translation shall govern.
	5.2	The Contractor shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.
6. Joint Venture, Consortium or Association	6.1	NOT APPLICABLE
7. Eligibility	7.1	The Contractor and its Subcontractors shall have the nationality of an Eligible Country in case of International Competitive Bidding (ICB) but in case of National Competitive Bidding (NCB), Contractor and its Subcontractors shall have the nationality of Pakistan only. A Contractor or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or



constituted or incorporated, and operates in conformity with the provisions of the laws of that country.

	7.2	All items to be supplied under the Contract and financed by the Procuring Agency shall have their origin in Eligible Countries. For the purpose of this clause, origin means the country where the (any component) have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its imported components.
8. Notices	8.1	Any Notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the PCC. The term “in writing” means communicated in written form with proof of receipt.
	8.2	A Notice shall be effective when delivered or on the Notice’s effective date, whichever is later.
9. Governing Law	9.1	The Contract shall be governed by and interpreted in accordance with the laws of the Procuring Agency’s country, unless otherwise specified in the PCC.
10. Settlement of Disputes	10.1	The Procuring Agency and the Contractor 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.
	10.2	If the parties fail to resolve such a dispute or difference by mutual consultation within twenty-eight (28) days from the commencement of such consultation, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the PCC.
11. Scope of Supply	11.1	Subject to the PCC, the items to be supplied shall be as specified in Schedules to Bid.
	11.2	Unless otherwise stipulated in the Contract, the Scope of Supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery of the items as if such items were expressly mentioned in the Contract.
12. Delivery & Documents	12.1	Subject to GCC Sub-Clause 33.1, the Delivery of the items shall be in accordance with the Schedule of Delivery specified in the Schedules to Bid.
	12.2	The details of shipping and other documents to be furnished & attached with Running Bills/PCs by the Contractor are as specified in the PCC.



13. Contractor’s Responsibilities	13.1	The Contractor shall supply all the items included in the Scope of Supply in accordance with GCC Clause 11, and Schedules to Bid, as per GCC Clause 12.
14. Procuring Agency’s Responsibilities	14.1	Whenever the supply of items requires that the Contractor obtain permits, approvals, and import and other licenses from local public authorities, the Procuring Agency shall, if so required by the Contractor, make its best effort to assist the Contractor in complying with such requirements in a timely and expeditious manner.
	14.2	The Procuring Agency shall afford all costs involved in the performance of its responsibilities, in accordance with Sub-Clause 14.1.
15. Contract Price	15.1	The Contract Price shall be as specified in the Letter of Acceptance/Award/ Contract Agreement subject to any additions and adjustments thereto, or deductions therefrom, as may be made pursuant to the Contract.
	15.2	Prices charged by the Contractor for the items delivered under the Contract shall not vary from the prices quoted by the Contractor in its bid, with the exception of any price adjustments authorized Sub-Clause 15.3 written below (if any).
	15.3	<p><i>[The Purchaser should develop the formula and other factors for Price Adjustment based on the principle of Clause 70.1 of PEC Bidding Documents for Civil Works and Standard Procedure and Formulae for Price Adjustment prepared by PEC, with following modifications.</i></p> <p><i>i) Adjustable material would be those raw materials used for manufacturing of specific Items on which, in opinion of the Procuring Agency, the price adjustment is payable. However, the Procuring Agency shall calculate, to make project specific price adjustment formula, the appropriate weightages of major raw materials as per PEC standard documents mentioned above</i></p> <p><i>ii) In case of adjustable materials and labor, the current price indices shall be 42 days prior to date of Items transport [or any other appropriate period may be incorporated by the Procuring Agency representing the mid-point of the period of manufacture], while in case of POL, the current price indices shall be 15 days [or any other reasonable period may be incorporated by the Procuring Agency] before date of Items transport.</i></p> <p><i>iii) Source for indices:</i></p> <p><i>a. For Local Manufactured Items;</i></p> <p><i>PICC cost data or any other credible source to be mentioned in bidding documents, failing which to be agreed between parties before</i></p>



signing the Contract.

b. For Foreign Manufactured Item:

London Metal Exchange (LME) Rate]

OR

[The Procuring Agency shall state “This is a Fixed Price Contract” in case the Price Adjustment is not applicable.]

16. Terms of Payment	16.1	The Contract Price shall be paid as specified in the PCC
	16.2	The Contractor’s request for payment shall be made to the Procuring Agency in writing, accompanied by invoices describing, as appropriate, the items delivered, by the documents submitted pursuant to GCC Clause 12 and upon fulfillment of all the obligation stipulated in the Contract
	16.3	a) Time to be taken by the consultant for processing of Contractor’s submitted Invoices/Bills& recommending the same for payments shall be as specified in the PCC b) Time to be taken by the Procuring Agency for processing & payment of Contractor’s verified Invoices/Bills shall be as specified in the PCC
	16.4	The currency or currencies in which payments shall be made to the Contractor under this Contract shall be specified in the PCC.
17. Taxes and Duties	17.1	For items or any of its component thereof supplied from outside the Procuring Agency’s Country, the Contractor shall be entirely responsible for all taxes, custom duty increments, stamp duties, license fees, and other such levies imposed outside the Procuring Agency’s Country.
	17.2	For items supplied from within the Procuring Agency’s Country, the Contractor shall be entirely responsible for all taxes including GST, duties, license fees, etc., incurred until delivery of the contracted items to the Procuring Agency. If any tax exemptions, reductions, allowances or privileges may be available to the Contractor in the Procuring Agency’s Country, the Procuring Agency shall use its best efforts to enable the Contractor to benefit from any such tax savings to the maximum allowable extent.
18. Performance Security	18.1	The Contractor shall, within twenty-eight (28) days of the notification of Contract award, provide a Performance Security for the due performance of the Contract in the amounts and currencies specified in the PCC.



	18.2	The proceeds of the Performance Security shall be payable to the Procuring Agency as compensation for any loss resulting from the Contractor's failure to complete its obligations under the Contract.
	18.3	The Performance Security shall be denominated in the currencies of the Contract, and shall be on the format stipulated Bidding Data & PCC or on any other format acceptable to the Procuring Agency.
	18.4	The Performance Security shall be discharged by the Procuring Agency and returned to the Contractor not later than twenty-eight (28) days following the date of completion of the Contractor's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the PCC.
19. Copyright	19.1	The copyright in all drawings, documents, and other materials containing data and information furnished to the Procuring Agency by the Contractor herein shall remain vested in the Contractor, or, if they are furnished to the Procuring Agency directly or through the Contractor by any third party, including Contractors of materials, the copyright in such materials shall remain vested in such third party.
20. Confidential Information	20.1	The Procuring Agency and the Contractor shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Contractor may furnish to its Subcontractor such documents, data, and other information it receives from the Procuring Agency to the extent required for the Subcontractor to perform its work under the Contract, in which event the Contractor shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on Contractor under GCC Clause 20.
	20.2	The Procuring Agency shall not use such documents, data, and other information received from the Contractor for any purposes unrelated to the Contract. Similarly, the Contractor shall not use such documents, data, and other information received from the Procuring Agency for any purpose other than the design, procurement, required for the performance of the Contract.



	20.3	The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that: (a) the Procuring Agency or Contractor need to share with the Procuring Agency or other institutions participating in the financing of the Contract; (b) now or hereafter enters the public domain through no fault of that party; (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or (d) Otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
	20.4	The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
	20.5	The provisions of GCC Clause 20 shall survive till the completion or termination, for whatever reason, of the Contract.
21. Subcontracting	21.1	The Contractor shall notify the Procuring Agency in writing of all subcontracts awarded under the Contract if not already specified in the Bid. Subcontracting shall in no event relieve the Contractor from any of its obligations, duties, responsibilities, or liability under the Contract.
	21.2	Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.
22. Specifications and Standards	22.1	Technical Specifications and Drawings (a) The Contractor shall ensure that the items comply with the technical specifications and other provisions of the Contract. (b) The Contractor shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Procuring Agency, by giving a notice of such disclaimer to the Procuring Agency. (c) The items supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, & Schedules to Bid and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the Items.



	22.2	Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedules to Bid. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Procuring Agency and shall be treated in accordance with GCC Clause 33.
23. Packing and Documents	23.1	The Contractor shall provide such packing of the items as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination of the items and the absence of heavy handling facilities at all points in transit.
	23.2	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 the PCC, and in any other instructions ordered by the Procuring Agency.
24. Insurance	24.1	Unless otherwise specified in the PCC, the Items supplied under the Contract shall be fully insured, in a freely convertible currency from an eligible country, including but not limited to against loss or damage incidental to manufacturing or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms and in addition to further elaborated in the PCC. Insurance should be from a reputable Institution acceptable to SELD.
25. Transportation	25.1	The Contractor is required under the Contract to transport the items to a specified place of destination, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Contractor, and related costs shall be included in Contract Price.
26. Inspections and Tests	26.1	The Procuring Agency or its designated representative/s shall have right to inspect and/or to test the items to confirm their conformity to the Specifications at no extra cost to the Procuring Agency. Also, the Contractor shall at its own expense and at no cost to the Procuring Agency carry out all such tests and /or inspections of the items as specified in the Schedules to Bid.



- 26.2 The inspections and tests may be conducted on the premises of the Contractor or its Subcontractor, at point of delivery, and/or at the final destination of the items, as specified in the PCC subject to GCC Sub-Clause 26.3, if conducted on the premises of the Contractor or its Subcontractor, all reasonable facilities and assistance, including access to drawings & production data, shall be furnished to inspectors at no charge to the Procuring Agency.
- 26.3 The Procuring Agency or its designated representative/s shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, and the cost of all such expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses will be borne by the contractor.
- 26.4 Whenever the Contractor is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Procuring Agency. The Contractor shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Procuring Agency or its designated representative to attend the test/ inspection.
- 26.5 The Procuring Agency may require the Contractor to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Items comply with the technical specifications, codes and standards under the Contract, provided that the Contractor's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Contractor's performance of its other obligations under the Contract, due allowance will be made in respect of Delivery Dates and Completion Dates & other obligations so affected.
- 26.6 The Contractor shall provide the Procuring Agency with a report of the results of any such test and/or inspection.
- 26.7 The Procuring Agency may reject any items or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Contractor shall either rectify or replace such rejected items or parts thereof or make alterations necessary to meet the specifications at no cost to the Procuring Agency, and shall repeat the test and/or inspection, at no cost to the Procuring Agency, upon giving a notice pursuant to GCC Sub-Clause 26.4



	26.8	The Contractor agrees that neither the execution of a test and/or inspection of the items or any part thereof, nor the attendance by the Procuring Agency or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Contractor from any warranties or other obligations under the Contract.
	26.9	The Procuring Agency's right to inspect, test and, where necessary, reject the items after the arrival of items in the Procuring Agency's Country shall in no way be limited or waived by reason of the Items having previously been inspected, tested & passed by the Procuring Agency or its representatives prior to the shipment of from the country of origin.
27. Liquidated Damages	27.1	Except as provided under GCC Clause 32, if the Contractor fails to deliver any or all shipments/school of the items or to perform the services within the period specified in the Contract, the Procuring Agency may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage of the Contract Price as specified in the PCC until actual delivery or performance, up to a maximum deduction of the percentage specified in the PCC. Once the maximum is reached, the Procuring Agency may terminate the Contract pursuant to GCC Clause 35.
28. Warranty	28.1	The Contractor warrants in writing that all the items supplied under the Contract are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
	28.2	The Contractor further warrants in writing that the items supplied under the Contract shall be free from defects arising from any act or omission of the Contractor or arising from design, materials, and workmanship, under normal use of items in the conditions prevailing in the country of final destination.
	28.3	Unless otherwise specified in the PCC, the warranty shall remain valid for twelve (12) months after the items, or any portion/ component thereof as the case may be, have been delivered to at the final destinations and accepted by the Procuring Agency.
	28.4	The Procuring Agency shall give Notice to the Contractor stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Procuring Agency shall afford all reasonable opportunity for the Contractor to inspect such defects.
	28.5	Upon receipt of such Notice, the Contractor shall, within the period specified in the PCC, expeditiously replace



the defective Items thereof, at no cost to the Procuring Agency.

28.6

If having been notified, the Contractor fails to remedy the defect within the period specified in the PCC, the Procuring Agency may proceed to take within a reasonable period such remedial action as may be necessary, at the Contractor's risk and expense and without prejudice to any other rights which the Procuring Agency may have against the Contractor under the Contract.

29. Patent Indemnity

29.1

The Contractor shall, subject to the Procuring Agency's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Procuring Agency and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Procuring Agency may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) sale in any country of products produced by the Items.

Such indemnity shall not cover any use of the items or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract,

29.2

If any proceedings are brought or any claim is made against the Procuring Agency arising out of the matters referred to in GCC Sub-Clause 29.1, the Procuring Agency shall promptly give the Contractor a notice thereof, and the Contractor may at its own expense and in the Procuring Agency's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3

If the Contractor fails to notify the Procuring Agency within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Procuring Agency shall be free to conduct the same on its own behalf.

29.4

The Procuring Agency shall, at the Contractor's request, afford all available assistance to the Contractor in conducting such proceedings or claim, and shall be reimbursed by the Contractor for all reasonable expenses incurred in so doing.



29.5

The Procuring Agency shall indemnify and hold harmless the Contractor and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Contractor may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Procuring Agency.

30. Limitation of Liability

30.1

Except in cases of gross negligence or wilful misconduct:

- (a) neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Contractor to pay liquidated damages to the Procuring Agency; and
- (b) Aggregate liability of the Contractor to the Procuring Agency, whether under the Contract, in tort, or otherwise, shall not exceed the amount specified in the PCC, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Contractor to indemnify the Procuring Agency with respect to patent infringement.

31. Change in Laws and Regulations

31.1

Unless otherwise specified in the Contract, if after the date of the Invitation for Bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of the Procuring Agency's country where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date or the Contract Price, then such Delivery Date or Contract Price shall be correspondingly increased or decreased, to the extent that the Contractor has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15



32. Force Majeure	32.1	The Contractor shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
	32.2	For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Contractor that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Contractor. Such events may include, but not be limited to, acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
	32.3	If a Force Majeure situation arises, the Contractor shall promptly notify the Procuring Agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring Agency in writing, the Contractor 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.
33. Change Orders and Contract Amendments	33.1	The Procuring Agency may at any time order the Contractor through Notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following: (a) items to be furnished under the Contract are to be specifically manufactured for the Procuring Agency; (b) the method of shipment or packing; (c) the exact place/location of delivery; (d) Any other
	33.2	If any such change causes an increase or decrease in the cost of, or the time required for, the Contractor's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Contractor for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Contractor's receipt of the Procuring Agency's change order.



34. Extensions of Time

34.1

If at any time during performance of the Contract, the Contractor or its Subcontractors should encounter conditions impeding timely Establishment of Stream Laboratories items pursuant to GCC Clause 12 and performance of services, the Contractor shall promptly notify the Procuring Agency in writing of the delay, its likely duration, and its cause(s). As soon as practicable after receipt of the Contractor's notice, the Procuring Agency shall evaluate the situation and may at its discretion extend the Contractor's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

34.2

Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Contractor in the performance of its Delivery and Completion obligations shall render the Contractor liable to the imposition of liquidated damages pursuant to GCC Clause 27, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1

35. Termination

35.1

Termination for Default

- a) The Procuring Agency, without prejudice to any other remedy for breach of Contract, by Notice of default sent to the Contractor, may terminate the Contract in whole or in part:
 - i) if the Contractor fails to deliver any or all of the Items within the period specified in the Contract, or within any extension thereof granted by the Procuring Agency pursuant to GCC Clause 34; or**
 - ii) if the Contractor fails to perform any other obligation under the Contract.**
- b) if the Contractor, in the judgment of the Procuring Agency has engaged in corrupt and fraudulent practices, as defined in GCC Clause 3, in competing for or in executing the Contract.
- c) In the event the Procuring Agency terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Procuring Agency may procure, upon such terms and in such manner as it deems appropriate, Establishment of Stream Laboratories Items or Related Services similar to those undelivered or not performed, and the Contractor shall be liable to the Procuring Agency for any additional costs for such similar Items. However, the Contractor shall continue performance of the Contract to the extent not terminated.



35.2

Termination for Insolvency

The Procuring Agency may at any time terminate the Contract by giving Notice to the Contractor if the Contractor becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Contractor, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Procuring Agency.

35.3

***Termination for Convenience**

(a) The Procuring Agency, by Notice sent to the Contractor, 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 Procuring Agency's convenience, the extent to which performance of the Contractor under the Contract is terminated, and the date upon which such termination becomes effective.

(b) The Establishment of Stream Laboratories items that are complete and ready for shipment within twenty-eight (28) days after the Contractor's receipt of the Notice of termination shall be accepted by the Procuring Agency at the Contract terms and prices. For the remaining Establishment of Stream Laboratories Items, the Procuring Agency may elect:

(i) **To have any portion completed and delivered at the Contract terms and prices; and/or**

(ii) **to cancel the remainder and pay to the Contractor an agreed amount for partially completed Establishment of Stream Laboratories Items and for materials and parts previously procured by the Contractor.**

36. Assignment

36.1

The Contractor shall not assign, in whole or in part, its obligations under this Contract, except with prior written consent of the Procuring Agency.



37. Spare Parts

37.1

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

(b) Such spare parts as the procuring agency may elect to purchase from the Contractor, provided that this election shall not relieve the Contractor of any warranty obligation under the contract; and

In the event of production of the spare parts:

(i) Advance notification to the procuring agency of the pending termination, in sufficient time to permit the procuring agency to procure needed requirement; and

(ii) Following such termination, furnishing at no cost to the procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

38. Standards

38.1

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 institutions.

39. Use of contract documents and information; inspection and Audit by the Government

39.1

The Contractor shall not, without the Procuring agency'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 procuring agency in connection therewith, to any person other than a person employed by the Contractor 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.

39.2

39.3

The Contractor shall not, without the Procuring agency's prior written consent, make use of any document of information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.

39.4



Any document, other than the Contract itself, enumerated shall remain the property of the Procuring agency and shall be returned (all copies) to the Procuring agency on completion of the Contractor's performance under the contract if so required by the Procuring agency.

The Contractor shall permit the Procuring agency to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the procuring agency, if so required.

40. Patent Rights 40.1

The Contractor shall Indemnify the Procuring agency 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 Procuring agency's country.

41. Incidental Services 42.1

The Contractor 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 Contractor of any warranty obligations under this Contract; and
- e) training of the Procuring agency's personnel, at the Contractor's plant and/or on-site, in assembly, start –up, operation, maintenance, and/or repair of the supplied Goods.

42.2

Price charged by the Contractor for incidental services should be included in the contract price no extra cost would be paid above the contract price.



42. Delays in the Contractor's performance

43.1

Delivery of the Goods and performance of Services shall be made by the Contractor in accordance with the time schedule prescribed by the procuring agency in the Schedule of Requirements.

43.2

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



PARTICULAR CONDITIONS OF CONTRACT

[The following Particular Conditions of Contract (PCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall

Particular Conditions of Contract

GCC Sub Clause 1.1(j)

The Procuring Agency's country is *Islamic Republic of Pakistan*.

GCC Sub Clause 1.1(k)

The Procuring Agency is: **Project Director, PMIU/SERP-II/SID** House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi

GCC Sub Clause 4.2

The version of Incoterms: *current edition of Incoterms, published by the International Chamber of Commerce at the date of the Invitation for Bids*

GCC Sub Clause 5.1

The language shall be: *English*

GCC Sub Clause 7.1 and 7.2 (Eligibility)

The procurement is based on *National Competitive Bidding (NCB)*.

GCC Sub Clause 8.1

For notices, the Procuring Agency's address shall be:

Project Director, PMIU/SERP-II/SID House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi

The Address of the Contractor shall be: _____

(Addresses of the Contractor shall be entered at the time of signing the Contract)

GCC Sub Clause 9.1

The governing law shall be the Law of Islamic Republic of Pakistan.

In addition to G.C.C, 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.

Sales of Goods ACT1930.

Sindh Public Procurement Rules (Amended 2019)

GCC Sub Clause 10.2

The formal mechanism for the resolution of disputes shall be as follows:

- a. The rights and obligations of the Parties under or pursuant to these Conditions shall be governed and construed according to the Law of Islamic Republic of Pakistan.
- b. The Secretary Education shall be asked by aggrieved or either party and if Secretary Education decision is not accepted by either party, then the right shall remain preserved to move ahead for arbitration showing its intention within 14 days of date of Secretary Education. The option of amicable settlement shall remain open for both parties. The dispute then may be referred to arbitration and shall finally be settled in Pakistan in accordance with the Pakistan Arbitration Act, 1940, and any amendment or substitution thereof. If the Parties cannot agree to the appointment of a sole arbitrator each Party shall appoint an arbitrator and the arbitrators shall, before entering upon the reference, jointly appoint an umpire. The decision of the arbitrator(s) shall be final and shall not be challenged or assailed in any court on any ground whatsoever. If the two arbitrators so appointed fail to nominate the 3rd arbitrator, then decision for appointment of third arbitrator will be referred to Pakistan Engineering Council.

GCC Sub Clause 11.1

The scope of *Procurement for the Establishment of Stream Laboratories in 62 Schools, District of Sindh Province, for SE&LD Schools* is as described in the *Price Schedule/BOQ (Schedule-A&B), Schedule of Storage (Schedule-D, Serial No.1), Schedule of Delivery (Schedule-D, Serial No.2) & Schedule of Payments (Schedule-D, Serial No.3)* provided under “*Schedules to Bid*” provided in Tender & Contract Documents.

GCC Sub Clause 12.1

Add the following paragraph at the end of clause 12.1

The list of schools in each District for the Establishment of Stream Laboratories items under this tender will be provided to the successful bidder upon award of the contract. However, the Procuring Agency reserves the right to change the exact location of delivery & school building type at any time within the geographical boundaries of SELD Project area subject to the requirement of each location.

GCC Sub Clause 12.2

Details of shipping and other documents to be furnished by the Contractor for requesting payments and completing other formalities:

Following documents are required to be furnished by the Contractor upon delivery & placement/ fixing of the Establishment of Stream Laboratories items at the required location of delivery/school location and the same set of document need to be attached with each running bill/IPC of every shipment/school:

- 1) Contractor’s invoice showing description of Establishment of Stream Laboratories items, quantity, unit price & amount. The amount of GST must also be mentioned in Summary of BOQ for each building type;
- 2) Inspection/verification report mutually signed by the staff as nominated/designated by the Procuring Agency and Contractor’s Representatives;



3) Delivery Challan & other

Transport Documents (Biltis etc.);

- 4) Contractor's Warranty Certificate (separately for each shipment/school);
- 5) Copies of GST Registration Certificate & NTN of the Manufacturer/Contractor
- 6) Original GST Invoices of concerned shipment/school.
- 7) Any other Document relevant to concerned shipment/school required by the Procuring Agency.
- 8) Delivery Challan will be required against the IPC of final acceptance only mentioned under GCC Sub-Clause 16.2 (c).

GCC Sub Clause 15.3

This is a Fixed Price Contract and no Price Adjustment is allowed/admissible.

GCC Sub Clause 16.1

The submission of Contractor's Running Bills/Invoice/Interim Payment Certificates (IPCs) shall be made at offices/locations as mentioned under this contract.

GCC Sub Clause 16.2

The Procuring Agency will take maximum of **28 working days** for processing & payment of Contractor's verified invoices/IPCs.

The stage wise payment schedule would be as follow:-

- a) **On shipment:** after successful inspection/acceptance the bidders/contractor can raise interim payment within 15 days after shipment of Establishment of Stream Laboratories and related goods including evidence of shipping documents, shipment schedule, category of goods details, insurance documents, and other requisite documents given under the contract required for payments.
- b) **Final acceptance:** 10% to 15% payments will be made after delivery, fixing, installation and final acceptance by the end user i.e. relevant schools.

If any Establishment of Stream Laboratories article is found defective or not as per contract, the payment can be withheld or deducted for any of the previous supplied under this contract to cover the loss.

- c) **Retention money:** 10% of verified amount of each interim/running payment (upto maximum limit of 5% of Contract Price) shall be deducted/ withheld from each payment and the same shall be released 50% after last delivery and remaining after successful completion of 01 year warranty period upon final inspection, verification & acceptance by the Procuring Agency.
- d) **Amount of 1st half of Retention Money** (i.e. 2.5% of Overall Contract Price) may be released after final inspection of the last school delivered & satisfaction of the end user/Procuring Agency upon submission of claim along with all the required supporting documents including Inspection Report/Acceptance Certificate issued by the staff as designated by the Procuring Agency.
- e) **The remaining 2nd half of Retention Money** (i.e. 2.5% of Overall Contract Price) to complete 5% of Total Contract Price may be released after completion of warranty period of all the schools delivered & upon submission of claim along with all required supporting documents.



f) Submission of Running Bills/IPC's:

The submission of Contractor's Running Bills/Invoice/Interim Payment Certificates (IPC's) shall be made at below mentioned offices/locations:

Project Director, PMIU/SERP-II/SID School Education & Literacy Department, Govt. of Sindh, House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi

g) Payment for Goods and Services supplied will be as under:

Payment shall be made in Pak Rupees, as follows:

- I) Part payment against part supply is allowed. However, for claiming payment, the amount of invoice should not be less than 10% of the total contractual amount. In other words, for claiming payment, the contractor shall have to deliver at-least 10% of the ordered quantity. However, the final bill may be for less than 10% of the ordered quantity. (to be executed as per PA disposal)**
- II) The documents mentioned in PCC sub clause 12.2 are mandatory for claiming payments. However, the Procuring agency may ask for any additional documents to substantiate the claim of contractor.**

GCC Sub Clause 16.4

The currencies for payments shall be: ***Pak Rupees***

GCC Sub Clause 17.3

Not Applicable

GCC Sub Clause 18.1

➤ *Replaces the words "twenty eight (28)" with "fourteen (14)"*

➤ *Add the following paragraphs:*

*"The Contractor shall provide a Performance Security of **Ten (10%) of overall Contract Price** as stated in the Letter of Award/Acceptance & submit to Procuring Agency within a period of 21 days after the receipt of Letter of Acceptance." The Performance Security shall be valid up to the completion of Maintenance Period/Warranty Period." **and it will be submitted in form of pay order /Demand Draft or Insurance/ bank guarantee in favor of Project Director, PMIU/SERP-II/SID School Education & Literacy Department, Govt. of Sindh, House No. A-5/2, Unit 6, Street No. 4, Gulshan-e-Faisal, Bath Island, Karachi***

GCC Sub Clause 18.3

The Contractor shall provide an "irrevocable" & "cashable on-demand" Performance Security of required amount as mentioned in sub-clause 18.1 above in Pak Rupees (or in an equivalent amount in a freely convertible currency) on the prescribed Form annexed to these Documents in the form of unconditional on-demand Bank Guarantee issued by any scheduled Bank of Pakistan or by a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan in favour of Procuring Agency. The cost of complying the requirements of this Sub-Clause shall be borne by the Contractor.

[The following provision should be used in the case of Goods having warranty obligations.]

GCC Sub Clause 21.1



Not Applicable

GCC Sub Clause 21.2

Not Applicable

GCC Sub Clause 24.1

Replace the entire text with the following:

“The Establishment of Stream Laboratories items supplied under the Contract shall be *Established Duty Paid (DDP)* under which risk is transferred to the buyer after having been delivered & accepted by the Procuring Agency.

GCC Sub Clause 26.1

In addition to G.C.C, Inspection and tests prior to shipment of Goods and at final acceptance are as follows:-

- Visual inspection.
- Any tests to ascertain the quality, standard and veracity of the Establishment of Stream Laboratories and the material so used.
- Goods packaging for safe transportation till final destination (it will be responsibility of the Contractor to ensure safety of goods till final destination and the SID may ensure quality of goods before transportation – at the point of origin)
- Stage inspections where deemed necessary for example (Inspection of Raw materials to be used, source of materials, inspection).
- Goods are new and unused; and
- and signed by authorized representative(s) is mandatory to get final 10% (Ten) percent payment released from SID /concerned office).

GCC Sub Clause 26.4

The Contractor would give 07 days of advance notice in writing to the procuring agency before conducting any stage inspection (If required).

GCC Sub Clause 27.1

The applicable rate for imposing of liquidated damages shall be 0.08% of Contract Price for each day of delay in completion of the delivery subject to a maximum of 10% of Contract Price stated in the Letter of Acceptance/Award.

GCC Sub Clause 28.3

Not Applicable

GCC Sub Clause 28.4

The Contractor shall be responsible to rectify all the defects with same material & procedure's adopted during supply as per specifications & replace the necessary components required as per site during warranty period



The Contractor shall correct any defects covered by the warranty within 15 days of receipt of Notice issued under GCC sub-clause 28.4. Otherwise defects will be rectified from the market and cost so incurred will be deducted from the IPC.

GCC Sub Clause 30.1

The amount of aggregate liability shall be: *cost of supplied items.*

GCC Sub Clause 32.3: *Not Applicable*

GCC Sub Clause 33.1:

Not applicable

GCC Sub Clause 33.2:

Not applicable

GCC Sub Clause 35.3 (b):

Only inventory in process and finished goods as per our specification will be accepted only.

43. GCC Sub Clause 37.1:

GCC 37.1 – additional spare parts are required to be stored at nearest showroom/display centre in case repair or replacement of any parts is required during warranty period.

Sample Provisions: As per instructed from the procuring agency



SCHEDULES TO BID



Schedule-A
Price Schedule/BOQ for STREAM LAB ESTABLISHMENT

SCHEDULES TO BID**MODULE-1 (BIOLOGY LAB)****BIOLOGY (A)**

S.#	Description of Item(s)	Qty per School (unit)	LOT-01 10 units	LOT-02 23 units	LOT-03 11 units	LOT-04 09 units	LOT-05 04 units	LOT-06 05 units	Unit Price (PKR)	Total Price (PKR)
1	Forcep 4.5 inch	5	50	115	55	45	20	25		
2	Alcohol swabs	1	10	23	11	9	4	5		
3	Antisera A,B & D set	1	10	23	11	9	4	5		
4	Compound microscope	4	40	92	44	36	16	20		
5	Cover Slip	1	10	23	11	9	4	5		
6	Plain slide	2	20	46	22	18	8	10		
7	Electronic balance 0.01gm - 600gm	2	20	46	22	18	8	10		
8	Filter paper pkt	1	10	23	11	9	4	5		
9	Biology chart panaflex 2 x 3 ft	2	20	46	22	18	8	10		
10	Lancets pkt	1	10	23	11	9	4	5		
11	Gloves disposable polythene	1	10	23	11	9	4	5		
12	permanent slides of amoeba	1	10	23	11	9	4	5		
13	permanent slides of Entamoeba	1	10	23	11	9	4	5		
14	permanent slides of Volvox	1	10	23	11	9	4	5		
15	permanent slides of Nostoc	1	10	23	11	9	4	5		
16	permanent slides of Plant cell	1	10	23	11	9	4	5		
17	permanent slides of RBC	1	10	23	11	9	4	5		
18	permanent slides of wbc	1	10	23	11	9	4	5		
19	permanent slides of Yeast Cell	1	10	23	11	9	4	5		
20	permanent slides of Chick 48 hr	1	10	23	11	9	4	5		
21	permanent slides of Chick 72 hr	1	10	23	11	9	4	5		
22	permanent slides of Liver	1	10	23	11	9	4	5		

**ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID**

23	permanent slides of Kidney	1	10	23	11	9	4	5		
24	permanent slides of Artery	1	10	23	11	9	4	5		
25	permanent slides of Stomach	1	10	23	11	9	4	5		
26	Empty Slides box	3	30	69	33	27	12	15		
27	Sphygmomanometer B.P Apparatus Mercury type	1	10	23	11	9	4	5		
28	Stethoscope	1	10	23	11	9	4	5		
29	Stage micrometer	1	10	23	11	9	4	5		
30	Ocular micrometer	1	10	23	11	9	4	5		
31	Tooth picks pkt	1	10	23	11	9	4	5		
32	Specimen jar	1	10	23	11	9	4	5		
33	Specimen jar	1	10	23	11	9	4	5		

LAB CHEMICALS

1	Benedict Solution - 490 ml	1	10	23	11	9	4	5		
2	Biuret Reagent - 490 ml	1	10	23	11	9	4	5		
3	E - solvent 490 ml	1	10	23	11	9	4	5		
4	Glucose 250 gm	1	10	23	11	9	4	5		
5	Glycerin 490 ml	1	10	23	11	9	4	5		
6	Litmus Paper (Blue)	1	10	23	11	9	4	5		
7	Litmus Paper (Red)	1	10	23	11	9	4	5		
8	methylene blue solution 100 ml	1	10	23	11	9	4	5		
9	Methyl Orange sol 100 ml	1	10	23	11	9	4	5		
10	Safranin sol 100 ml	1	10	23	11	9	4	5		
11	Crystal violet sol - 100 ml	1	10	23	11	9	4	5		
12	Sodium Hydrogen Carbonate 250 gm	1	10	23	11	9	4	5		
13	Starch 250 gm	1	10	23	11	9	4	5		
14	Glucose 250 gm	1	10	23	11	9	4	5		
15	Model of human Heart	1	10	23	11	9	4	5		
16	Model of human Brain	1	10	23	11	9	4	5		
17	Model of human Teeth	1	10	23	11	9	4	5		
18	Model of human Eye	1	10	23	11	9	4	5		
19	Human skeleton	1	10	23	11	9	4	5		

BIOLOGY (B)

1	Digestive system of Frog	2	20	46	22	18	8	10		
2	Microscope L101	2	20	46	22	18	8	10		



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



3	Human Skeleton 85 cm	1	10	23	11	9	4	5		
4	Sygmometer b.p Apparatus mercury type	1	10	23	11	9	4	5		
5	Stethoscope	1	10	23	11	9	4	5		
6	Safranin sol 490 ml	1	10	23	11	9	4	5		
7	Crystal violet sol 490 ml	1	10	23	11	9	4	5		
8	Methyl orange sol 490 ml	1	10	23	11	9	4	5		
9	Plain slide	2	20	46	22	18	8	10		
10	Cover slip	2	20	46	22	18	8	10		
11	Specimen jar	2	20	46	22	18	8	10		
12	Petri dish plastic 90 mm	5	50	115	55	45	20	25		
13	Forcep 4.5 inch	4	40	92	44	36	16	20		
14	Stethoscope	3	30	69	33	27	12	15		
15	Eye model	1	10	23	11	9	4	5		
16	kidney model	1	10	23	11	9	4	5		
17	Lung model	1	10	23	11	9	4	5		
18	Mode Human Brain	1	10	23	11	9	4	5		
19	Model Human Heart	1	10	23	11	9	4	5		
20	Goat heart preserved	1	10	23	11	9	4	5		
21	Snake stuff	1	10	23	11	9	4	5		
22	Parraot stuff	1	10	23	11	9	4	5		
23	Pigeon Stuff	1	10	23	11	9	4	5		
24	Duck stuff	1	10	23	11	9	4	5		
25	Rabbit stuff	1	10	23	11	9	4	5		
26	Star fish preserved	1	10	23	11	9	4	5		
27	Sponge preserved	1	10	23	11	9	4	5		
28	Breetle star preserved	1	10	23	11	9	4	5		
29	prawn preserved	1	10	23	11	9	4	5		
30	Liver fluke preserved	1	10	23	11	9	4	5		
31	Crab preserved	1	10	23	11	9	4	5		
32	Dog fish preserved	1	10	23	11	9	4	5		
33	Earth worm preserved	1	10	23	11	9	4	5		
34	Turtle preserved	1	10	23	11	9	4	5		
35	Chart panaflex 2 x3 ft	3	30	69	33	27	12	15		

Quoted Module Rate for Single LOT in PKR including all Taxes

MODULE-2 (CHEMISTRY LAB)

S.No	Description of Item(s)	Qty per School (unit)	LOT-01 10 units	LOT-02 23 units	LOT-03 11 units	LOT-04 09 units	LOT-05 04 units	LOT-06 05 units	Unit Price (PKR)	Total Price (PKR)
1	Beaker - 100 ml	6	60	138	66	54	24	30		

**ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID**

2	Beaker - 250 ml	4	40	92	44	36	16	20		
3	Beaker - 50 ml	6	60	138	66	54	24	30		
4	Beaker - 500 ml	4	40	92	44	36	16	20		
5	cleaning brush for Test Tube	2	20	46	22	18	8	10		
6	Test tube 16x150mm	10	100	230	110	90	40	50		
7	Burette shell back Embose marking 50 ml	4	40	92	44	36	16	20		
8	Burette clip (pinch cork)	4	40	92	44	36	16	20		
9	Conical Flask 100 ml	6	60	138	66	54	24	30		
10	Dropper bottles 30 ml	2	20	46	22	18	8	10		
11	Droppers plastic 3 ml	5	50	115	55	45	20	25		
12	Evaporating dish 40 cc	4	40	92	44	36	16	20		
13	wire Gauze	4	40	92	44	36	16	20		
14	Glass rod	15	150	345	165	135	60	75		
15	Half degree celcius thermometer	3	30	69	33	27	12	15		
16	thermometer red sprit	10	100	230	110	90	40	50		
17	Measuring Cylinder - 100 ml	5	50	115	55	45	20	25		
18	Pipette 10 ml	5	50	115	55	45	20	25		
19	Pipetter Filler 3 way bulb	2	20	46	22	18	8	10		
20	Reagent Bottles clear 100 ml	4	40	92	44	36	16	20		
21	Reagent Bottles brown 250 ml	3	30	69	33	27	12	15		
22	Reagent Bottles clear 250 ml	3	30	69	33	27	12	15		
23	Reagent bottle clear 1 liter	1	10	23	11	9	4	5		
24	Retort stand (Iron stand with clamp)	3	30	69	33	27	12	15		
25	Round bottom flask 250 ml	2	20	46	22	18	8	10		
26	Spatula	2	20	46	22	18	8	10		
27	Test tube holder	2	20	46	22	18	8	10		
28	Test Tube Racks	2	20	46	22	18	8	10		
29	Tripod Stand	3	30	69	33	27	12	15		
30	Volumetric flask - 10 ml	2	20	46	22	18	8	10		
31	Volumetric flask - 100 ml	2	20	46	22	18	8	10		
32	Volumetric flask - 1000 ml	1	10	23	11	9	4	5		



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



33	Volumetric flask - 250 ml	1	10	23	11	9	4	5		
34	Volumetric flask - 500 ml	1	10	23	11	9	4	5		
35	Wash Bottles 500 ml	2	20	46	22	18	8	10		
36	Litmus paper Red & blue	3	30	69	33	27	12	15		
37	Ph paper 0 - 14 ph	1	10	23	11	9	4	5		
38	Ph meter Pen type digital	5	50	115	55	45	20	25		
39	Bunsen Burner	9	90	207	99	81	36	45		
40	Fiber Gas Cylinder with 5 kg filled LPG	2	20	46	22	18	8	10		

LAB CHEMICALS

1	Barium chloride - 250 gm	1	10	23	11	9	4	5		
2	Potassium Iodide - 100 gm	1	10	23	11	9	4	5		
3	Starch 250gm	1	10	23	11	9	4	5		
4	Iodine solution - 250 ml	1	10	23	11	9	4	5		
5	Potassium chloride - 250 gm	1	10	23	11	9	4	5		
6	Copper Sulphate - 250gm Labchem	1	10	23	11	9	4	5		
7	Calcium chloride - 250gm	1	10	23	11	9	4	5		
8	Edta di sodium salt - 250gm	1	10	23	11	9	4	5		
9	Magnesium chloride - 250gm	1	10	23	11	9	4	5		
10	Acetic Acid 490 ml	1	10	23	11	9	4	5		
11	Ethanol - 490 ml	1	10	23	11	9	4	5		
12	Cobalt chloride - 50gm	1	10	23	11	9	4	5		
13	Sodium Hydroxide 250 gm	1	10	23	11	9	4	5		
14	Methylene blue - 250 ml	1	10	23	11	9	4	5		
15	Methyl Orange - 250 ml	1	10	23	11	9	4	5		
16	Phenolphthalein solution - 250 ml	1	10	23	11	9	4	5		
17	Strontium carbonate - 250gm	1	10	23	11	9	4	5		
18	Strontium sulphate - 250 gm Labchem	1	10	23	11	9	4	5		
19	Lead Nitrate - 250gm Labchem	1	10	23	11	9	4	5		
20	Resorcinol - 250gm Labchem	2	20	46	22	18	8	10		



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



21	Ammonium nitrate - 100gm	1	10	23	11	9	4	5		
22	Sodium metal - 100 gm	1	10	23	11	9	4	5		
23	Silver nitrate solution 100 ml	1	10	23	11	9	4	5		
24	Potassium permagnate - 100ml	1	10	23	11	9	4	5		
25	Chemistry Chart Panaflex	3	30	69	33	27	12	15		
26	Digital Balance 0.01gm - 600gm	1	10	23	11	9	4	5		

Quoted Module Rate for Single LOT in PKR including all Taxes

MODULE-3 (ARTS LAB)

S.No	Description of Item(s)	Qty per School (unit)	LOT-01 10 units	LOT-02 23 units	LOT-03 11 units	LOT-04 09 units	LOT-05 04 units	LOT-06 05 units	Unit Price (PKR)	Total Price (PKR)
1	Sketchbook (A4)	46	460	1058	506	414	184	230		
2	Loose Drawing Sheets (A3)	2	20	46	22	18	8	10		
3	Loose Drawing Sheets (A4)	2	20	46	22	18	8	10		
4	Pencil Set (HB, 2B, 4B, 6B) Set	15	150	345	165	135	60	75		
5	Aluminum Sharpener	15	150	345	165	135	60	75		
6	Blending Stump	15	150	345	165	135	60	75		
7	Portable Board	15	150	345	165	135	60	75		
8	Round Brush Set	16	160	368	176	144	64	80		
9	Flat Brush Set	15	150	345	165	135	60	75		
10	Canvas Boards (A3)	15	150	345	165	135	60	75		
11	Watercolour Paint Set	16	160	368	176	144	64	80		
12	Poster/Acrylic Paint Set (Set)	15	150	345	165	135	60	75		
13	Mixing Palettes	15	150	345	165	135	60	75		
14	Palette Knives – Set of 5	15	150	345	165	135	60	75		
15	Protective Aprons	15	150	345	165	135	60	75		

Quoted Module Rate for Single LOT in PKR including all Taxes

MODULE-4 (INFORMATION TECHNOLOGY LAB)

S.No	Description of Item(s)	Qty per School (unit)	LOT-01 10 units	LOT-02 23 units	LOT-03 11 units	LOT-04 09 units	LOT-05 04 units	LOT-06 05 units	Unit Price (PKR)	Total Price (PKR)
1	AIO	15	150	345	165	135	60	75		
2	Technical staff Laptop	2	20	46	22	18	8	10		
3	Advanced printer	2	20	46	22	18	8	10		



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



4	Digital projector or smart board	1	10	23	11	9	4	5		
5	Extension wire	10	100	230	110	90	40	50		

Quoted Module Rate for Single LOT in PKR including all Taxes

MODULE-5 (FURNITURE/ FIXTURE)

S.No	Description of Item(s)	Qty per School (unit)	LOT-01 10 units	LOT-02 23 units	LOT-03 11 units	LOT-04 09 units	LOT-05 04 units	LOT-06 05 units	Unit Price (PKR)	Total Price (PKR)
1	White Board large	3	30	69	33	27	12	15		
2	Computer Tables	15	150	345	165	135	60	75		
3	Computer chairs	15	150	345	165	135	60	75		
4	Support staff table	5	50	115	55	45	20	25		
5	Support staff Chair	6	60	138	66	54	24	30		
6	Wooden shelves for books & files	3	30	69	33	27	12	15		
7	Large Tables for Experiment labs and fabrication Lab	5	50	115	55	45	20	25		
8	Rack Steel for Chemicals and lab Equipment's	7	70	161	77	63	28	35		
10	Laboratory Stool	50	500	1150	550	450	200	250		
11	Wooden Rostrum	1	10	23	11	9	4	5		

Quoted Module Rate for Single LOT in PKR including all Taxes

MODULE-6 (SOLARIZATION)

S.No	Description of Item(s)	Qty per School (unit)	LOT-01 10 units	LOT-02 23 units	LOT-03 11 units	LOT-04 09 units	LOT-05 04 units	LOT-06 05 units	Unit Price (PKR)	Total Price (PKR)
1	Solar System (Complete System)	1	10	23	11	9	4	5		

Quoted Module Rate for Single LOT in PKR including all Taxes

MODULE-7 (PHYSICS LAB)

S.No	Description of Item(s)	Qty per School (unit)	LOT-01 10 units	LOT-02 23 units	LOT-03 11 units	LOT-04 09 units	LOT-05 04 units	LOT-06 05 units	Unit Price (PKR)	Total Price (PKR)
1	resistance box 500 ohm	1	10	23	11	9	4	5		
2	resistance box 5000 ohm	1	10	23	11	9	4	5		
3	tungsten filament Apparatus	1	10	23	11	9	4	5		
4	semiconductor diode Apparatus	1	10	23	11	9	4	5		
5	thermometer half degree	3	30	69	33	27	12	15		
6	Vernier Caliper	3	30	69	33	27	12	15		
7	Screw gauge	3	30	69	33	27	12	15		

**ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID**

8	Watch glass	3	30	69	33	27	12	15		
9	spherometer	3	30	69	33	27	12	15		
10	Power Supply Analog	3	30	69	33	27	12	15		
11	Ammeter	2	20	46	22	18	8	10		
12	Voltmeter	2	20	46	22	18	8	10		
13	Galvanometer	2	20	46	22	18	8	10		
14	Small bulbs 2.5 v	13	130	299	143	117	52	65		
15	Electric Calorimeter	2	20	46	22	18	8	10		
16	Capacitor	4	40	92	44	36	16	20		
17	Cell Holder D Size	4	40	92	44	36	16	20		
18	Cells 1.5 V 'D' Size	4	40	92	44	36	16	20		
19	Common pins pkt	2	20	46	22	18	8	10		
20	Connecting wire Copper 90meter coil	2	20	46	22	18	8	10		
21	Digital Multimeter unit	2	20	46	22	18	8	10		
22	Mass Hanger 10 g + 4 Slotted Mass of 10 g	2	20	46	22	18	8	10		
23	Mass Hanger 20 g + 4 Slotted Mass of 20 g	2	20	46	22	18	8	10		
24	Newton - Meter (10 N)	2	20	46	22	18	8	10		
25	Newton - Meter (5 N)	2	20	46	22	18	8	10		
26	Newton - Meter (2.5 N)	2	20	46	22	18	8	10		
27	Pendulum bob (M)	4	40	92	44	36	16	20		
28	Pendulum bob (S)	5	50	115	55	45	20	25		
29	S Pulley	3	30	69	33	27	12	15		
30	Resonance tube apparatus	2	20	46	22	18	8	10		
31	Rheostat 200 ohm	1	10	23	11	9	4	5		
32	Stop watch digital	2	20	46	22	18	8	10		
33	Thread roll	2	20	46	22	18	8	10		
34	Tuning fork two different frequency	2	20	46	22	18	8	10		
35	one way key	1	10	23	11	9	4	5		
36	Glass Prism	3	30	69	33	27	12	15		
37	Glass Slab	3	30	69	33	27	12	15		
38	Free Fall Apparatus	2	20	46	22	18	8	10		
39	Drawing board	5	50	115	55	45	20	25		
40	Optical bench	2	20	46	22	18	8	10		
41	Vector board	2	20	46	22	18	8	10		
42	Iron stand with clamp	5	50	115	55	45	20	25		
43	Digital Balance	2	20	46	22	18	8	10		



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



44	Physics Chart Panaflex	3	30	69	33	27	12	15		
Quoted Module Rate for Single LOT in PKR including all Taxes										
MODULE-8 (FABRICATION LAB)										
S.No	Description of Item(s)	Qty per School (unit)	LOT-01 10 units	LOT-02 23 units	LOT-03 11 units	LOT-04 09 units	LOT-05 04 units	LOT-06 05 units	Unit Price (PKR)	Total Price (PKR)
Machining and Workshop Tools:										
1	Bench vise	4	40	92	44	36	16	20		
2	Hand drill and drill bits	4	40	92	44	36	16	20		
3	Metal Files and Hacksaw	4	40	92	44	36	16	20		
4	Basic Lathe machine	4	40	92	44	36	16	20		
5	Bench grinder	2	20	46	22	18	8	10		
6	Laser Cutter	1	10	23	11	9	4	5		
7	CNC Mill / Router	1	10	23	11	9	4	5		
8	Circular Saw	2	20	46	22	18	8	10		
9	Drill Press	2	20	46	22	18	8	10		
10	Rubber Mat Working Station	50	500	1150	550	450	200	250		
11	DC Power Supply	2	20	46	22	18	8	10		
12	Tool Kit	2	20	46	22	18	8	10		
Electrical and Electronics Tools										
1	Multimeter (Digital)	3	30	69	33	27	12	15		
2	Power supply unit	3	30	69	33	27	12	15		
3	Breadboards	15	150	345	165	135	60	75		
4	Electrical measuring instruments	5	50	115	55	45	20	25		
5	Soldering Iron and soldering station	4	40	92	44	36	16	20		
6	Single-phase transformers	5	50	115	55	45	20	25		
Microcontrollers and Programming										
1	Arduino kits	5	50	115	55	45	20	25		
2	Raspberry Pi kits	3	30	69	33	27	12	15		
3	Microcontroller interfaces	5	50	115	55	45	20	25		
4	Basic sensors	5	50	115	55	45	20	25		
5	Actuators	5	50	115	55	45	20	25		
Digital Electronics										
1	Logic gates (ICs)	50	500	1150	550	450	200	250		
2	555 timer IC	50	500	1150	550	450	200	250		

**ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID**

3	Simple Flip-flops and counters (ICs)	50	500	1150	550	450	200	250		
4	Basic combinational circuit components	50	500	1150	550	450	200	250		
Robotics										
1	Basic Robotics kits	5	50	115	55	45	20	25		
2	Motor drivers	5	50	115	55	45	20	25		
3	Ultrasonic sensors	5	50	115	55	45	20	25		
4	Bluetooth Modules	5	50	115	55	45	20	25		
5	IR Sensors	5	50	115	55	45	20	25		
6	RFID readers	3	30	69	33	27	12	15		
7	Basic sensors	5	50	115	55	45	20	25		
Pneumatics and Hydraulics (Basic Demonstrations Only)										
1	Syringe-based hydraulic models (DIY)	3	30	69	33	27	12	15		
2	Simple Pneumatic demonstration kits	3	30	69	33	27	12	15		
3	Pressure gauges	2	20	46	22	18	8	10		
4	Hand-operated pneumatic pumps	3	30	69	33	27	12	15		
Safety & Miscellaneous										
1	Personal Protective Equipment	60	600	1380	660	540	240	300		
2	Basic First-Aid kit	4	40	92	44	36	16	20		
3	Fire extinguisher	3	30	69	33	27	12	15		
4	AC 1.5 Ton (Inverter)	3	30	69	33	27	12	15		
5	Portable Eye Face wash satation	4	40	92	44	36	16	20		
Quoted Module Rate for Single LOT in PKR including all Taxes										
Total Amount including all taxes										

NOTE:

1. GST charges must be calculated as per applicable rate.
2. If any Bidder has not mentioned GST charges in the Bid, the same shall be deemed to have been included in overall quoted Bid Price & shall not be paid separately.
3. GST and any other applicable tax/duty/fee/paid chalans vouchers are to be submitted alongwith bills to the Procuring Agency.
4. Quantity break-up of each item to be supplied and delivered. Costs related to the logistics (transportation, loading & unloading) of item from the point of origin (supplier's premises) to the point of destination will be arranged / borne by the supplier and must be incorporated in this Price Schedule.
5. These costs along with all applicable taxes to be incorporated by the prospective bidder(s) under Unit Price (Price Schedule).

Note: In case of discrepancy between unit price and total, the unit price shall prevail.



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID
Athematic correction will be applicable



Schedule of Storage, Delivery & Payments for Establishment of Stream Laboratories

Schools in Karachi, Hyderabad, Mirpurkhas, Larkana, Shaheed Benzairabad, Sukkur

1. Schedule of Storage

Sr. No.	Shipment No.	Minimum Time Limit for Storage/ Stacking at Bidder's own warehouse	Remarks
01	All Shipments	Four Months	The cost of storage/stacking of ready material for each shipment to be incorporated in the quoted rates by the contractor. If the Bidder has not quoted the rates for storage against specified item in BOQ of each school building type, then the cost of storage shall be deemed to have been included in the overall quoted Bid Price and shall not be paid separately.

NOTE:-

❖ ***Time for Completion of Contract***

❖ ***Total Completion Time till last delivery: Total completion time till last delivery will be 120 days from date of commencement. However, 15th May, 2026 would be the final completion date.***

❖ **Schedule: 2.1**

The proposed list of schools in each Division for the Establishment of Stream Laboratories under this tender will be provided if requested or and will be handed over to the Firm awarded the contract. However, the Procuring Agency reserve the right to change the exact location of delivery & school building type of concerned shipment at any time within the geographical boundaries of SELD Project Area subject to the requirement of each location.



Schedule-E

Inspection and Tests to be carried out **Schedule-E**

Inspection and Tests to be carried out

As per Specifications/ Codes and standards or As Directed by the Procuring Agency.



**FORM OF TECHNICAL BID,
FORM OF FINANCIAL BID
AND
APPENDICES TO BID**



Form of Technical Bid

[The Form of Technical Bid must be reproduced as per format given hereunder on the company's original letter head and submitted at the time of Submission of Bids]

Date: _____

Bid Reference No. _____
(Name of Contract)

To: _____

Gentleman,

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda No.: ____;
- (b) We offer to supply in conformity with the Bidding Document and in accordance with the Schedule of Delivery, the following Items:
 - 1. _____
 - 2. _____
 - 3. _____
 - 4. _____
 - 5. _____ and so on
- (c) Our Bid shall be valid for a period of ____ [number] days from the date fixed for the opening of financial bids in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) If our Bid is accepted, we commit to obtain a Performance Security in accordance with SPPRA Rules as mentioned in clause IB-37 for the amount of **10%** of the Contract Price for the due performance of the Contract;
- (e) Our firm, for any part of the Contract, have nationalities from the following eligible countries
_____;
- (f) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Document;
- (g) Our firm, its affiliates or subsidiaries, for any part of the Contract, has not been declared ineligible by the Procuring Agency;



(h)

The

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

(i)

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____

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

- (j) 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.
- (k) We hereby agree that our firm has acknowledged and agreed to all the terms and condition mentioned in the Bidding Documents and abide all the Rules and Regulations of the procurement process as per mentioned.
- (l) We understand that you are not bound to accept the best evaluated bid or any other bid that you may receive.
- (m) We agree to permit the Procuring Agency or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the Bank.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date : _____

Witness:

Name: _____

Signature: _____

Address: _____

Occupation: _____



Form of Financial Bid

[The Form of Financial Bid must be reproduced as per format given hereunder on the company's original letter head and submitted at the time of Submission of Bids]

Date: _____

Bid Reference No. _____
(Name of Contract)

To:

Gentleman,

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda No.: ____;
- (b) We offer to supply the items in conformity with the Bidding Document and in accordance with the Schedule of Delivery
- (c) The total price of our Bid, excluding any discounts offered in item (d) below is: _____
- (d) The discounts offered and the methodology for their application are: _____
- (e) Our Bid shall be valid for a period of ____ [number] 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;
- (f) If our Bid is accepted, we commit to obtain a Performance Security in accordance with SPPRA Rules as mentioned in clause IB-37 for the amount of **10%** of the Contract Price for the due performance of the Contract;
- (g) Our firm, including any subcontractors or Contractors for any part of the Contract, have nationalities from the following eligible countries _____;
- (h) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Document;
- (i) Our firm, its affiliates or subsidiaries, including any subcontractors or Contractors for any part of the Contract, has not been declared ineligible by the Procuring Agency;
- (j) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount
-------------------	---------	--------	--------



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



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

- (k) We hereby agree that our firm has acknowledged and agreed to all the terms and condition mentioned in the Bidding Documents and abide all the Rules and Regulations of the procurement process as per mentioned.
- (l) 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.
- (m) We understand that you are not bound to accept the best evaluated bid or any other bid that you may receive.
- (n) We agree to permit the Procuring Agency or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the Bank.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date : _____

Witness:

Name: _____

Signature: _____

Address: _____

Occupation: _____



Appendix-A to bid

Ref No. _____

Date _____

ON THE LETTER HEAD OF THE BANK

TO WHOM IT MAY CONCERN

This is to certify that M/S (Name, Address of the company) are maintaining their Account No _____ with us satisfactorily.

This is also certified that the above referred company has been approved current credit line facility of Rs. _____ (Rs. In words _____) on the basis of their Financial Strength, Market Reputation and Securities with us. We are confident that they are Financially Capable to complete any mega project like yours in Pakistan.

This certificate is being issued at the request of M/s (Name of Company)

Authorized Signature

Authorized Signature



LIST OF QUALITY CONTROL/LABORATORY EQUIPMENTS

[The Bidder will provide on Sheet 2 of this Appendix a list of all equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the quality control tests. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.]



(INTEGRITY PACT)

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC.
PAYABLE BY THE CONTRACTORS OF GOODS, SERVICES & WORKS IN
CONTRACTS WORTH RS.10 MILLION OR MORE**

Contract No. _____ Dated _____
Contract Value: *[To be filled in at the time of signing of Contract]*
Contract Title: _____

..... [name of Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, 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 GoS through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Contractor] 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 GoS, except that which has been expressly declared pursuant hereto.

[name of Contractor] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoS and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoS under any law, contract or other instrument, be voidable at the option of GoS.

Notwithstanding any rights and remedies exercised by GoS in this regard, [name of Contractor] agrees to indemnify GoS for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoS in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder’s fee or kickback given by [name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoS.

Name of Buyer:
Signature:

[Seal]

Name of Seller/Contractor:
Signature:

[Seal]



**FORM OF BID SECURITY
(Bank Guarantee)**

Security Executed on _____
(Date)

Name of Surety (Bank) with Address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address _____

Penal Sum of Security Rupees _____(Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder)we, the Surety above named, are held and firmly bound unto

_____ (here in after called the 'Procuring Agency') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated _____ for Bid No. _____ for _____(Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Procuring Agency, conditioned as under:

- (1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Procuring Agency, notice of which extension(s) to the Surety is hereby waived;
- (2) that the Bid Security of unsuccessful Bidders will be returned by the Procuring Agency after expiry of its validity or upon signing of the Contract Agreement; and
- (3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement and furnish the required Performance Security, the entire said sum be paid immediately to the said Procuring Agency pursuant to Clause 19.6 of theInstructiontoBiddersforthesuccessfulBidder'sfailureto perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Procuring Agency in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring Agency for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID

PROVIDED THAT the Surety shall forthwith pay the Procuring Agency the said sum upon first written demand of the Procuring Agency (without cavil or argument) and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring Agency by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Procuring Agency forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

SURETY (Bank)

WITNESS:

Signature _____

1. _____

Name _____

Title _____

Corporate Secretary (Seal)

Corporate Guarantor (Seal)

2. _____

Name, Title & Address



FORM OF PERFORMANCE SECURITY (Bank Guarantee)

Guarantee No. _____

Executed on _____

Expiry date _____

[Letter by the Guarantor to the Procuring Agency]

Name of Guarantor (Bank) with address: _____ (Scheduled Bank in Pakistan)

Name of Principal (Contractor/Contractor) with address: _____

Penal Sum of Security (express in words and figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the

_____ (hereinafter called the Procuring Agency) in the penal sum of the amount stated above in Bidding Data & PCC clause 18.1 for the payment of which sum well and truly to be made to the said Procuring Agency, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has accepted the Procuring Agency's above said Letter of Acceptance for _____ (Name of Contract) for the _____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor/Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Procuring Agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 28, Warranty, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defences under the Contract, do hereby irrevocably and independently guarantee to pay to the Procuring Agency without delay upon the Procuring Agency's first written demand without cavil or arguments and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Procuring Agency's written declaration that the Principal has refused or failed to perform the



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID

obligations under the Contract which payment will be effected by the Guarantor to Procuring Agency's designated Bank & Account Number.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Procuring Agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Guarantor (Bank)

Witness:

1. _____

Signature _____

Corporate Secretary (Seal)

Name _____

Title _____

2. _____

Name, Title & Address

Corporate Guarantor (Seal)



FORM OF CONTRACT AGREEMENT

THIS AGREEMENT made on the _____ day of _____, 20____, between _____ of _____ (hereinafter “the Procuring Agency”), of the one part, and _____ of _____ (hereinafter called “the Contractor”), of the other part:

WHEREAS the Procuring Agency invited bids for certain Goods viz., _____ and has accepted a Bid by the Contractor for the supply of those Goods in the sum of _____ (hereinafter called “the Contract Price”).

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 Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Procuring Agency’s Notification to the Contractor of Award of Contract (Letter of Acceptance);
 - (b) the Form of Bid and the Price Schedules submitted by the Contractor;
 - (c) the Particular Conditions of Contract; Part-II
 - (d) the General Conditions of Contract; Part-I
 - (e) the Schedule to Bid (other than Price Schedule);
 - (f) Appendices to Bid;
 - (g) Specifications;
 - (h) Drawings; and
 - (i) Any other Item

This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

3. In consideration of the payments to be made by the Procuring Agency to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Procuring Agency to provide the Goods and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Agency hereby covenants to pay the Contractor in consideration of the provision of the Goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS the parties hereto have caused this Agreement to be executed in accordance with the laws of _____ on the day, month and year indicated above.

Signature of the Contractor

Signature of the Procuring Agency



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



(Seal) _____

(Seal) _____

Signed, Sealed and Delivered in the presence of:

Witness:

Witness _____

(Name, Title and Address)

(Name, Title and Address)



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID
REJECTION, BREACH OF CONTRACT & TERMINATION



1.1 REJECTION & REPLACEMENT

In the event, any component of items supplied by the contractor is found to be defective in material or otherwise not in conformity with the requirements of the contract, the PA shall have the right to either to reject or to instruct the Contractor/Contractor in writing for replacement/rectification of the defective component/s, then the Contractor shall with utmost diligence and at his own expense correct/rectify the same or replace the defective items.

In the event the Contractor is not able to rectify or replace the rejected item/s within reasonable time, the Procuring Agency reserves the right to acquire the said items at a reduced price considered equitable under the circumstances and charge to the Contractor the excess cost occasioned to the Procuring Agency.(Price reduction up to 10% of the contract price)

1.2 BREACH OF CONTRACT

In case of breach of contract, the damages suffered by the Procuring Agency shall be recovered to the full extent from the Contractor's Performance Bond.

1.3 TERMINATION OF CONTRACT

The Procuring Agency, after giving written notice of default to the Contractor may terminate the contract in circumstances detailed hereunder:

- a. If in the judgment of the Procuring Agency the contractor fails to complete the delivery of items within the time specified in the Contract Agreement or within the period for which the Procuring Agency has granted extension to the contract.
- b. If in the judgment of the Procuring Agency, the Contractor fails to comply with any of the other provisions of this contract.

In the event the Procuring Agency terminates the contract, the Procuring Agency reserves the right to purchase upon such items and in such a manner, as it may deem appropriate, the items similar to the one terminated and the Contractor will be liable to pay to the Procuring Agency, the liquidated damages for delay until such reasonable time as may be required for the final supply of items.



Technical Specification of
Establishment of Stream Laboratories



TECHNICAL SPECIFICATIONS

MODULE 1 – BIOLOGY LAB		
S.No	Item Description	Unit
1	Forcep 4.5 inch Technical Specification: Material: Stainless steel or chrome plated Length: Approx. 4.5 inches Finish: Smooth, rust-resistant Quality: Standard commercial grade	Each
2	Alcohol swabs Technical Specification: Packing: Box of 200 pieces Type: Pre-saturated with isopropyl alcohol Sterility: Clean/standard hygienic	Each
3	Antisera A,B & D set Technical Specification: Type: Blood grouping reagents Packing: Standard vial set Use: Laboratory/educational	Each
4	Compound microscope Technical Specification: Achromatic objectives (4X-100X) WF 10X eyepiece; LED/halogen light with dimmer; coarse & fine focus;	Each
5	Cover Slip Technical Specification: Standard thickness; Thickness: Standard (approx. 0.13–0.17 mm) packed moisture-free (Box of 50)	Pkt
6	Plain slide Technical Specification: Slides: clear glass, ground edges;	Pkt
7	Electronic Balance Technical Specification: Capacity: 1–300 g. Readability: 0.001 g (analytical) or 0.01 g (precision).	Each
8	Filter paper pkt Technical Specification: Grade: Qualitative and quantitative Standard Size Pack	Each
9	Biology chart panaflex 2 x 3 ft Technical Specification: Size: 2 x 3 ft Material: Panaflex Print: Multicolor educational diagrams	Each



10	Lancets Technical Specification: Type: Disposable Packing: Standard box	Each
11	Gloves disposable Technical Specification: Material: Polythene / LDPE Packing: 100 pcs per pack Type: Disposable, non-sterile	Each
12	permanent slides of amoeba Technical Specification: Type: Prepared slides, labeled	Each
13	permanent slides of Entamoeba Technical Specification: Type: Prepared slides, labeled	Each
14	permanent slides of Volvox Technical Specification: Type: Prepared slides, labeled	Each
15	permanent slides of Nostoc Technical Specification: Type: Prepared slides, labeled	Each
16	permanent slides of Plant cell Technical Specification: Type: Prepared slides, labeled	Each
17	permanent slides of RBC Technical Specification: Type: Prepared slides, labeled	Each
18	permanent slides of wbc Technical Specification: Type: Prepared slides, labeled	Each
19	permanent slides of Yeast Cell Technical Specification: Type: Prepared slides, labeled	Each
20	permanent slides of Chick Embryo 48 hr Technical Specification: Type: Prepared slides, labeled	Each
21	permanent slides of Chick 72 hr Technical Specification: Type: Prepared slides, labeled	Each
22	permanent slides of Liver Technical Specification: Type: Prepared slides, labeled	Each
23	permanent slides of Kidney Technical Specification: Type: Prepared slides, labeled	Each
24	permanent slides of Artery Technical Specification: Type: Prepared slides, labeled	Each
25	permanent slides of Stomach Technical Specification:	Each



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



	Type: Prepared slides, labeled	
26	Empty Slides box Technical Specification: Capacity: 25 slides Material: Plastic or wooden Type: Dust-proof	Each
27	Sphygmomanometer B.P Apparatus Mercury type Technical Specification: Type: Desk/portable mercury BP apparatus Cuff: Standard adult size Quality: Functional, leak-proof	Each
28	Stethoscope Technical Specification: Type: Standard dual head Tubing: Flexible rubber Quality: General diagnostic use	Each
29	Stage micrometer Technical Specification: Material: Glass Calibration: Standard scale	Each
30	Ocular micrometer Technical Specification: Compatible with microscope eyepiece Standard calibration	Each
31	Tooth picks pkt Technical Specification: Material: Wooden Packing: Standard box Quality: Disposable, hygienic	Each
32	Specimen jar Technical Specification: Material: Glass or plastic Lid: Leak-proof	Each
33	Specimen jar Technical Specification: Material: Glass or plastic Lid: Leak-proof	Each
LAB CHEMICALS		
1	Benedict Solution - 490 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
2	Biuret Reagent - 490 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
3	E - solvent 490 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
4	Glucose 250 gm Technical Specification:	Bottle



	Chemicals shall be of standard Laboratory grade and properly labeled	
5	Glycerin 490 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
6	Litmus Paper (Blue) Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
7	Litmus Paper (Red) Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
8	methylene blue solution 100 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
9	Methyl Orange sol 100 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
10	Safranine sol 100 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
11	Crystal violet sol - 100 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
12	Sodium Hydrogen Carbonate 250 gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
13	Starch 250 gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
14	Glucose 250 gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
15	Model of human Heart Technical Specification Material: PVC / Plastic Mounting: Base mounted Type: Educational demonstration model	Each
16	Model of human Brain Technical Specification Material: PVC / Plastic Mounting: Base mounted Type: Educational demonstration model	Each
17	Model of human Teeth Technical Specification Material: PVC / Plastic Mounting: Base mounted Type: Educational demonstration model	Each
18	Model of human Eye Technical Specification Material: PVC / Plastic Mounting: Base mounted	Each



	Type: Educational demonstration model	
19	Human skeleton Technical Specification Material: Plastic Height: Approx. 85 cm Mounting: Stand base	Each
BIOLOGY (B)		
1	Digestive system of Frog Technical Specification Type: Educational model	Each
2	Microscope Technical Specification: Achromatic objectives (4X-100X) WF 10X eyepiece; LED/halogen light with dimmer; coarse & fine focus;	Each
3	Human Skeleton Technical Specification Material: Plastic Height: Approx. 85 cm Mounting: Stand base	Each
4	Sygmometer b.p Apparatus mercury type Technical Specification: Type: Desk/portable mercury BP apparatus Cuff: Standard adult size Quality: Functional, leak-proof	Each
5	Stethoscope Technical Specification: Type: Standard dual head Tubing: Flexible rubber Quality: General diagnostic use	Each
6	Safranine sol 490 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Each
7	Crystal violet sol 490 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Each
8	Methyl orange sol 490 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Each
9	Plain slide Technical Specification: Material: Clear glass Edges: Ground / smooth edges Quality: Bubble-free	pkt
10	Cover slip Technical Specification: Thickness: Standard (approx. 0.13–0.17 mm) Packing: Box of 50	pkt



	Condition: Moisture-free packing	
11	Specimen jar Technical Specification: Material: Glass or plastic Lid: Leak-proof	Each
12	Petri dish plastic Technical Specification: Size: 90 mm diameter Material: Transparent plastic Type: Disposable	Each
13	Forcep 4.5 inch Technical Specification: Material: Stainless steel or chrome plated Length: Approx. 4.5 inches Finish: Smooth, rust-resistant Quality: Standard commercial grade	Each
14	Stethoscope Technical Specification: Type: Standard dual head Tubing: Flexible rubber Quality: General diagnostic use	Each
15	Eye model Technical Specification: Material: PVC / Plastic Mounting: Base mounted Type: Educational demonstration model	Each
16	kidney model Technical Specification: Material: PVC / Plastic Mounting: Base mounted Type: Educational demonstration model	Each
17	Lung model Technical Specification: Material: PVC / Plastic Mounting: Base mounted Type: Educational demonstration model	Each
18	Mode Human Brain Technical Specification: Material: PVC / Plastic Mounting: Base mounted Type: Educational demonstration model	Each
19	Model Human Heart Technical Specification: Material: PVC / Plastic Mounting: Base mounted Type: Educational demonstration model	Each
20	Goat heat preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar	Each



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



	Labeling: Proper identification	
21	Snake stuff Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
22	Parraot stuff Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
23	Pigeon Stuff Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
24	Duck stuff Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
25	Rabbit stuff Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
26	Star fish preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
27	Sponge preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
28	Britle star preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
29	prawn preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
30	Liver fluke preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar	Each



	Labeling: Proper identification	
31	Crab preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
32	Dog fish preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
33	Earth worm preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
34	Turtle preserved Technical Specification: Preservation: Formalin or equivalent solution Container: Sealed jar Labeling: Proper identification	Each
35	Chart panaflex 2 x3 ft Technical Specification: Size: 2 x 3 ft Material: Panaflex Print: Multicolor educational diagrams	Each

MODULE 2 – CHEMISTRY LAB

S.No	Item Description	Unit
1	Beaker - 100 ml Technical Specification: Material: Borosilicate or soda lime glass Graduation: Approximate marking Type: Low form, spout type	Each
2	Beaker - 250 ml Technical Specification: Material: Borosilicate or soda lime glass Graduation: Approximate marking Type: Low form, spout type	Each
3	Beaker - 50 ml Technical Specification: Material: Borosilicate or soda lime glass Graduation: Approximate marking Type: Low form, spout type	Each
4	Beaker - 500 ml Technical Specification: Material: Borosilicate or soda lime glass Graduation: Approximate marking Type: Low form, spout type	Each
5	cleaning brush for Test Tubes	Each



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



	Technical Specification: Type: Wire handle with nylon bristles Size: Suitable for test tubes	
6	Test tube 16x150mm Technical Specification: Material: Glass Size: Approx. 16 mm dia x 150 mm length	Each
7	Burette shell back Embose marking 50 ml Technical Specification: Material: Glass Capacity: 50 ml Marking: Clear/embossed Stopcock: Plastic or glass	Each
8	Burette clip (pinch cork) Technical Specification: Material: Metal with rubber grip Type: Single/double holder	Each
9	Conical Flask Technical Specification: Material: Glass (borosilicate or equivalent) Capacity: Standard (100–250 ml acceptable) Shape: Narrow neck	Each
10	Dropper bottles Technical Specification: Material: Plastic Capacity: Standard (50–100 ml) Cap: Dropper type	Each
11	Droppers plastic 3 ml Technical Specification: Material: Plastic Capacity: Approx. 3 ml	Each
12	Evaporating dish 40 cc Technical Specification: Material: Porcelain Capacity: Approx. 40 cc	Each
13	wire Gauze Technical Specification: Material: Metal mesh with ceramic center	Each
14	Glass rod Technical Specification: Material: Solid glass Length: Standard (approx. 8–10 inches)	Each
15	Half degree celcius thermometer Technical Specification: Range: Approx. 0–110°C Graduation: 0.5°C	Each
16	thermometer Technical Specification: Type: Alcohol/red spirit filled Range: Standard lab range	Each



17	Measuring Cylinder - 100 ml Technical Specification: Material: Glass or plastic Graduation: Printed/engraved	Each
18	Pipette 10 ml Technical Specification: Material: Glass Type: Graduated/volumetric	Each
19	Pipetter Filler 3 way bulb Technical Specification: Material: Rubber Type: Standard 3-valve	Each
20	Reagent Bottles clear 100 ml Technical Specification: Material: Glass/plastic Type: Transparent	Each
21	Reagent Bottles brown 250 ml Technical Specification: Material: Amber glass Purpose: Light-sensitive chemicals	Each
22	Reagent Bottles clear 250 ml Technical Specification: Material: Amber glass (Transparent) Purpose: Light-sensitive chemicals	Each
23	Reagent bottle clear 1 liter Technical Specification: Material: Glass/plastic Capacity: 1 liter	Each
24	Retort stand (Iron stand with clamp) Technical Specification: Material: Iron base with rod Accessories: Clamp included	Each
25	Round bottom flask 250 ml Technical Specification: Material: Glass Capacity: 250 ml Neck: Standard	Each
26	Spatula Technical Specification: Material: Stainless steel Type: Double-ended	Each
27	Test tube holder Technical Specification: Material: Wooden or metal Type: Spring/clip type	Each
28	Test Tube Racks Technical Specification: Material: Plastic or wood Capacity: Standard multi-hole	Each
29	Tripod Stand	Each



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



	Technical Specification: Material: Iron Type: Three-leg stand	
30	Volumetric flask - 10 ml Technical Specification: Material: Glass Type: Single mark calibration	Each
31	Volumetric flask - 100 ml Technical Specification: Material: Glass Type: Single mark calibration	Each
32	Volumetric flask - 1000 ml Technical Specification: Material: Glass Type: Single mark calibration	Each
33	Volumetric flask - 250 ml Technical Specification: Material: Glass Type: Single mark calibration	Each
34	Volumetric flask - 500 ml Technical Specification: Material: Glass Type: Single mark calibration	Each
35	Wash Bottles 500 ml Technical Specification: Material: Plastic (LDPE) Nozzle: Flexible	Each
36	Litmus paper Red & blue Technical Specification: Type: Standard strips	Each
37	Ph paper 0 - 14 ph Technical Specification: Type: Universal indicator Range: Full pH scale	Each
38	Ph meter Pen type digital Technical Specification: Type: Portable pen type Display: Digital LCD Accuracy: Standard commercial grade	Each
39	Bunsen Burner Technical Specification: Material: Metal Type: LPG compatible	Each
40	Fiber Gas Cylinder with 5 kg filled LPG Technical Specification: Material: Fiber/plastic composite Capacity: 5 kg LPG filled ; Valve: Standard regulator compatible	Each
LAB CHEMICALS		
1	Barium chloride - 250 gm Technical Specification:	Bottle



	Chemicals shall be of standard Laboratory grade and properly labeled	
2	Potassium Iodide - 100 gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
3	Starch 250gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
4	Iodine solution - 250 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
5	Potassium chloride - 250 gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
6	Copper Sulphate - 250gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
7	Calcium chloride - 250gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
8	Edta di sodium salt - 250gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
9	Magnesium chloride - 250gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
10	Acetic Acid 490 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
11	Ethanol - 490 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
12	Cobalt chloride - 50gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
13	Sodium Hydroxide 250 gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
14	Methylene blue - 250 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
15	Methyl Orange - 250 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
16	Phenolphthalein solution - 250 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
17	Strontium carbonate - 250gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
18	Strontium sulphate - 250 gm	Bottle

**ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID**

	Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	
19	Lead Nitrate - 250gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
20	Resorcinol - 250gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
21	Ammonium nitrate - 100gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
22	Sodium metal - 100 gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
23	Silver nitrate solution 100 ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
24	Potassium permagnate - 100ml Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Bottle
25	Chemistry Chart Panaflex 2 x 3 ft Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Each
26	Digital Balance 0.01gm - 600gm Technical Specification: Chemicals shall be of standard Laboratory grade and properly labeled	Each

MODULE 3 – ARTS LAB

S.No	Item Description	Unit
1	Sketchbook (A4) Technical Specification Hard Cover Sketchbook. Acid-free Pen. Suitable for a range of drawing mediums. Sheets: 58. Paper Gram: 150gsm. A4 size.	Each
2	Loose Drawing Sheets (A3) Technical Specification: SKETCH book CATRIDGE PAPER A 3 size 20 sheets Spiral binding	Packet
3	Loose Drawing Sheets (A4) Technical Specification: SKETCH book CATRIDGE PAPER A 4 size 20 sheets Spiral binding	Packet
4	Pencil Set (HB, 2B, 4B, 6B) Set Technical Specification:	Each



	<p>This set offers the core range of hardnesses of graphite sketch pencils for the pencil artist. Includes 12 graphite pencils (8B, 7B, 6B, 5B, 4B, 3B, 2B, B, HB, F, H, 2H). Drawing Pencils enable creating lines of any thickness and Color saturation.</p>	
5	<p>Aluminum Sharpener Technical Specification: Made from high-quality aluminium for durability Delivers a clean and accurate point every time Compact and easy to carry Ideal for school, office, or travel use</p>	Each
6	<p>Blending Stump Technical Specification: Blending Stumps adding realism shades in your charcoal drawings and pencil sketches They provide a wide surface and are great for creating a transition of tones in large areas Includes 6 different sizes of paper stumps: 6#, 5#, 4#, 3#, 2# & 1# Paper stumps have double-ended points Use for blending charcoal and pencil sketches Fine sandpaper can be used to gently clean or reshape the paper stump Blend and create smooth transitions with these handy drawing tools The paper stumps are made from compressed paper with a point on each end</p>	Each
7	<p>Portable Board Technical Specification: Adjustable Portable Drawing Board Stand Large 19” x 24” 5 Positions MDF Table top into a professional drafting table Artist Extra Large Adjustable Portable Drawing Board Stand Easel. easily adjusts to 4 positions, has a sturdy base, lightweight for outdoor drawing</p>	Each
8	<p>Round Brush Set Technical Specification: Multi Size Round Paint Brushes 6 Pieces Set is a high-quality fine arts and crafts set. Professional for Water, Gouache, Tempera, Acrylic & Oil colour paints. This set includes 06 different-size round-tip brushes: 2, 4, 6, 8, 10 and 12. Constructed of Nylon Wool + Aluminium + Wood material. Grey body/barrel colour The nylon tip has strong colour absorption and good elasticity. Nickel-plated interface. High-quality fine arts and crafts set Professional for Water, Gouache, Tempera, Acrylic & Oil colour paints This set includes 06 different-size round-tip brushes: 2, 4, 6, 8, 10 & 12</p>	Set
9	<p>Flat Brush Set Technical Specification: Artistic visions to life with the Keep Smiling Flat Paint Brush Set – 6 Pcs, designed for painters, crafters, and hobbyists of all levels. Featuring premium flat bristles, these brushes ensure smooth, even strokes—perfect for creating sharp edges, broad washes, and clean lines. Features: Set Includes: 6 flat-shaped brushes in various sizes for versatile use Premium Bristles: Durable and soft for smooth paint application Comfortable Handles: Ergonomic wooden design for better grip and control Multi-Surface Use: Ideal for acrylic, watercolour, oil paints, and craft projects</p>	Set



	Perfect for Artists & Students: Great for both beginners and professionals	
10	Canvas Boards (A3) Technical Specification: CANVASES: These 18 inch canvas panel boards are made from premium materials that hold pigments and maintain the paint's natural tones and glossiness. Forget paint paper for kids	Each
11	Watercolour Paint Set Technical Specification Artist grade, water-soluble paints in pans or tubes. Each set must contain 6 colours	Set
12	Poster/Acrylic Paint Set (Set) Technical Specification: Student grade, non-toxic, water-based acrylic paints. Each set must contain 6 tubes,	Set
13	Mixing Palettes Technical Specification Plastic Palette – Water Color Paint Tray 10Mixing Wells Easy Color Mixing Tray Usage Oil, Acrylic, Water Color, Easy to Clean	Each
14	Palette Knives – Set of 5 Technical Specification Plastic Palette Tray Acrylic Easy to Clean	set
15	Protective Aprons Technical Specification: Size: universal adult, length 90 cm, washable polyester-cotton blend, water-resistant coating. With neck loop and waist ties.	Each

MODULE 4 – INFORMATION TECHNOLOGY LAB

S.No	Item Description	Unit
1	AIO Technical Specifications Processor: Core I5, 12th-generation mobile architecture CPU, Octa-core with turbo frequency up to ~4.4 GHz. Or better Threads: Minimum 12 logical threads for multitasking efficiency. Graphics: Integrated GPU supporting Full HD rendering and 4K decode capability. Display: 23-inch IPS-grade LED panel, 1920×1080 resolution, anti-glare surface. Refresh Rate: 100 Hz nominal with wide viewing angles. Memory: 8 GB DDR4 Storage: 256 GB NVMe SSD, Networking: Integrated Gigabit LAN plus dual-band Wi-Fi (2.4 & 5 GHz). Bluetooth: Version 4.2 or higher. Camera: 2.0 MP front camera with privacy option. Audio: Dual 3 W integrated stereo speakers with dual microphones. USB Ports: Minimum 6 (4 × USB 2.0 + 2 × USB 3.x) for peripheral connectivity. Video Interface: 1 × HDMI port supporting external display output. Card Reader: Full-size SD card slot integrated into chassis. Power Adapter: 19 V DC input, 120 W rated external power supply. Operating System: Pre-installed Windows 11 Pro (64-bit).	pcs



	<p>Chassis: Metal-reinforced ABS enclosure with aluminum alloy base, Warranty: 1 Year Manufacturer Warranty (Documentary Evidence Required) - (Mandatory) operating temperature 0–35 °C. MAL Required (Mandatory)</p>	
2	<p>Technical staff Laptop Technical Specification: Processor: ci5 Memory: 8 GB DDR4 Storage: 512 GB solid-state drive Display: 17.3-inch diagonal</p>	pcs
3	<p>Advanced printer (Multi-purpose (Print,Scan,Copy)) Technical Specification: Type: All-in-One Printer (Print, Scan, Copy) Speed: ≥ 20 ppm (A4, black & white) Connectivity: USB, Network, Wireless</p>	pcs
4	<p>Digital projector or smart board (for presentations or learning purpose) Technical Specification: Size: 65" minimum (wall mount) Resolution: 4K UHD preferred (3840×2160) Touch: Multi-touch (≥ 10 touch points) with stylus pens Connectivity: HDMI, USB, Wi-Fi, Bluetooth Features: Screen mirroring, inbuilt Android OS,</p>	pcs
5	<p>Extension wire: 8 ways Multi Power Sockets with child Safety Locks with 4 Type-C & 4 USB Ports Extension Technical Specification: Type: Multi Power Extension Socket Number of AC Outlets: Minimum Eight (08) Socket Compatibility: Universal sockets suitable for 2-pin and 3-pin plugs Child Safety: All sockets shall be equipped with child safety shutters/locks USB Ports: Minimum Four (04) Type-C Ports: Minimum Four (04) Output: Standard USB output (approx. 5V) Function: Capable of charging multiple devices simultaneously Rated Voltage: 220–240 Volts AC Frequency: 50 Hz Rated Current: Minimum 10 Ampere Load Capacity: Suitable for standard office/laboratory equipment Cable Length: Minimum 1.5 to 2 meters Cable Type: Copper conductor with PVC insulation Plug Type: Standard 3-pin plug compatible with Pakistan power system</p>	pcs

MODULE 5 – FURNITURE/ FIXTURE

S.No	Item Description	Unit
1	<p>White Board large Technical Specifications: Size: 4' x 8' Material: Formica sheet on Chip Board All sides with Aluminum Framing MAL Required (Mandatory)</p>	pcs
2	<p>Computer Tables Technical Specifications:</p>	pcs



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



	<p>For 2 Nos Computers Overall Size: 24"x72"x30" Top Material: 18mm Laminated MDF CPU Box 2 Nos with Door & Lock & Handle Frame & Legs Material: 20 Gauge, Mild Steel Powder Coated with Anti rusting coating Frame & Legs Pipe Size: 1-1/2" Square Pipe Complete as directed by the engineer. MAL Required (Mandatory)</p>	
3	<p>Computer chairs Technical Specification: Type: Ergonomic wooden chair with cushion seat and as per approved Lab Design MAL Required (Mandatory)</p>	pcs
4	<p>Support staff table Technical Specification: Size: 2.5x3 ft One Drawer, Box on RHS Material: Laminated MDF with lockable drawers MAL Required (Mandatory)</p>	pcs
5	<p>Support staff Chair Technical Specification: Type: Ergonomic wooden chair with cushion seat and as per approved Lab Design MAL Required (Mandatory)</p>	pcs
6	<p>Wooden shelves for books & files Technical Specifications: Size: Length:3'-0" Width:1'-4" Height:7'-0" Material: MDF with Formica / Lamination sheet PVC/PU Lipping/wood Lipping Structure Structure and Doors made of 18 mm" thick MDF lamination sheet on both sides. Edged covered with PVC Lipping may be used. The handles should be high quality Stainless Steel. High quality locks and Stainless-Steel hinges. MAL Required (Mandatory)</p>	pcs
7	<p>Large Tables for Experiment labs and fabrication Lab Technical Specifications: Dimensions (Standard): Length: 5 to 6 feet Width: 2.5 to 3 feet Height: 30 inches (±1 inch) Design Features: Cross support bars for stability Optional lower shelf (MS sheet 20 gauge) Rubber/nylon adjustable feet Finish: Powder-coated (Grey/White/Black) Usage Suitability: General science labs Fabrication / basic mechanical work Educational institutes</p>	pcs



	MAL Required (Mandatory)	
8	<p>Rack Steel for Chemicals and lab Equipment's</p> <p>Technical Specifications:</p> <p>Type: Open Steel Storage Rack (Chemical / Lab Use)</p> <p>Material: Structure: Mild Steel (MS) Sheet thickness: Frame: 20–22 gauge Shelves: 20–22 gauge</p> <p>Dimensions (Standard): Height: 6 to 7 feet Width: 3 to 4 feet Depth: 1.5 to 2 feet</p> <p>Shelves: Number of shelves: 4 to 5 adjustable shelves</p> <p>Finish: Powder-coated</p> <p>Design Features: Adjustable shelf levels Reinforced vertical supports Open type for easy access Optional back support strip</p> <p>Usage Suitability: Storage of chemicals MAL Required (Mandatory)</p>	pcs
10	<p>Laboratory Stool</p> <p>Technical Specification: Aluminum Base iron frame/ Wooden Base Frame ergonomic Steal Top/. Wooden Top MAL Required (Mandatory)</p>	pcs
11	<p>Wooden Rostrum</p> <p>Technical Specifications:</p> <p>Sizes Length 2' Width 18" Height 4'</p> <p>Material Structure : Wood Wooden structure MAL Required (Mandatory)</p>	pcs
MODULE 6 – SOLARIZATION		
S.No	Item Description	Unit
1	<p>SOLAR SYSTEM 5 KW system</p> <p>Technical Specifications: Solar Plate 545/550w Mon PERC Grade A Solar Panels. (9*550) watt 5 K.watt Hybird Grid inverter 5 year warranty 24 volts 100 AMP lithium Ion Battery PV Balance Of System with Ground Mounted Structure (6KW to 10KW) PV Frame G.I Angles.</p>	Each



	PV Wire 8mm ² AC Circuit Breaker 32 AMP DC Circuit Breaker 32 AMP PV Junction Box 6x4 Control Panel Box Ground / Earthing AC Wire 16mm ² 3 Core PV Disconnected Switch Iron Made Powder Coated Dust Proof Mounting Complete wiring & installation MAL Required	
--	--	--

MODULE 7 – PHYSICS LAB

S.No	Item Description	Unit
1	resistance box 500 ohm Technical Specifications: Wooden/Plastic casing with plug-type arrangement. Total resistance up to 500 Ω , accuracy $\pm 2\%$. Brass terminals, nickel-plated plugs, clearly marked values.	Each
2	resistance box 5000 ohm Technical Specifications: Wooden/Plastic casing with plug-type arrangement. Total resistance up to 5000 Ω , accuracy $\pm 2\%$. Brass terminals, nickel-plated plugs, clearly marked values.	Each
3	tungsten filament Apparatus Technical Specifications: Complete setup with tungsten filament lamp mounted on base, connection terminals, suitable for demonstrating temperature-resistance relation. Operates on low voltage DC supply (0–12V) .	Each
4	semiconductor diode Apparatus Technical Specifications: Mounted PN junction diode with base, terminals for input/output, suitable for V-I characteristics experiment. Compatible with low voltage DC supply.	Each
5	thermometer half degree Technical Specifications: Glass laboratory thermometer, range 0°C to 110°C , least count 0.5°C , mercury/alcohol filled, protective casing.	Each
6	Vernier Caliper Technical Specifications: Stainless steel, measuring range 0–150 mm , least count 0.02 mm , corrosion resistant, with locking screw.	Each
7	Screw gauge Technical Specifications: Range 0–25 mm , least count 0.01 mm , hardened steel spindle, ratchet mechanism.	Each
8	Watch glass Technical Specifications: Clear glass, diameter approx. 75–100 mm , heat resistant, smooth polished edges.	Each
9	Spherometer Technical Specifications: Brass/metal body with three legs and central screw, least count 0.01 mm , suitable for curvature measurement.	Each
10	Power Supply Analog 0 - 12 v Technical Specifications:	Each



	Bench type analog DC power supply, adjustable output 0–12V , current capacity minimum 1–2A , with voltmeter display and overload protection.	
11	Ammeter Technical Specifications: Analog type, range 0–1A / 0–5A , accuracy class 2.5, clear scale, durable casing.	Each
12	Voltmeter Technical Specifications: Analog type, range 0–3V / 0–15V , accuracy class 2.5, clear readable dial.	Each
13	Galvanometer Technical Specifications: Moving coil type, center zero, sensitive current detection, rugged design for student use.	Each
14	Small bulbs 2.5 v Technical Specifications: Miniature incandescent bulbs rated 2.5V , with holders, pack of minimum 10 units.	Each
15	Electric Calorimeter Technical Specifications: Aluminum calorimeter with lid, stirrer, and insulation jacket, capacity approx. 250 ml .	Each
16	Capacitor Technical Specifications: Fixed capacitor set, assorted values (e.g., 1 μ F to 100 μ F), working voltage minimum 25V .	Each
17	Cell Holder D Size Technical Specifications: Plastic holder for 1–2 D-size cells , with wire terminals.	Each
18	Cells 1.5 V 'D' Size Technical Specifications: Standard dry cells, 1.5V , heavy-duty type.	Each
19	Common pins pkt Technical Specifications: Steel pins, rust-resistant, standard size, packed in box of approx. 50–100 pcs .	Each
20	Connecting wire Copper 90meter coil Technical Specifications: Insulated copper wire, length 90 meters , flexible PVC insulation, approx. 22–24 SWG .	Each
21	Digital Multimeter unit Technical Specifications: Handheld digital multimeter, measuring voltage, current, resistance, diode testing, LCD display, battery operated.	Each
22	Mass Hanger 10 g + 4 Slotted Mass of 10 g Technical Specifications: Metal hanger 10g with four slotted weights of 10g each , corrosion resistant.	Each
23	Mass Hanger 20 g + 4 Slotted Mass of 20 g Technical Specifications: Metal hanger 20g with four slotted weights of 20g each , corrosion resistant.	Each
24	Newton - Meter (10 N) Technical Specifications: Spring balance, capacity 10 Newton , clear scale, metal/plastic body.	Each
25	Newton - Meter (5 N) Technical Specifications: Spring balance, capacity 5 Newton , clear scale, metal/plastic body.	Each
26	Newton - Meter (2.5 N) Technical Specifications:	Each



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID

	Spring balance, capacity 2.5 Newton , clear scale, metal/plastic body.	
27	Pendulum bob (M) Technical Specifications: Metal spherical bob, medium size, with hook for thread attachment.	Each
28	Pendulum bob (S) Technical Specifications: Metal spherical bob, small size, with hook for thread attachment.	Each
29	S Pulley Technical Specifications: Metal/plastic pulley with hook, smooth rotation, low friction.	Each
30	Resonance tube apparatus Technical Specifications: Glass tube mounted on scale with adjustable water reservoir, suitable for sound resonance experiments.	Each
31	Rheostat 200 ohm Technical Specifications: Sliding type rheostat, resistance up to 200 Ω , mounted on base, heavy-duty winding.	Each
32	Stop watch digital Digital stopwatch with start/stop/reset functions, least count 0.01 sec .	Each
33	Thread roll Technical Specifications: Cotton thread roll, strong, smooth, suitable for pendulum experiments.	Each
34	Tuning fork two different frequency Set of two forks (e.g., 256 Hz & 512 Hz), made of steel, with base.	Each
35	one way key Technical Specifications: Simple plug key/switch, brass contacts, mounted on base.	Each
36	Glass Prism Equilateral prism, optical glass, polished surfaces, approx. 25–38 mm size	Each
37	Glass Slab Technical Specifications: Rectangular optical glass slab, smooth polished, approx. 75 x 50 mm .	Each
38	Free Fall Apparatus Technical Specifications: Basic setup for gravity experiment, including electromagnet or mechanical release and scale.	Each
39	Drawing board Technical Specifications: Wooden/MDF board, approx. 18" x 24" , smooth surface.	Each
40	Optical bench Technical Specifications: Metal/wooden bench with scale, length approx. 1 meter , with movable holders.	Each
41	Vector board Technical Specifications: Magnetic/printed board for vector demonstration, approx. 2 x 3 ft .	Each
42	Iron stand with clamp Technical Specifications: Heavy base stand with vertical rod and adjustable clamp, corrosion resistant.	Each
43	Digital Balance 0.01gm - 600gm with windsheild cover Technical Specifications: Electronic balance, capacity 600g , least count 0.01g , LCD display, with transparent wind shield.	Each



44	Physics Chart Panaflex 2 x 3 ft Technical Specifications: Printed educational charts on panaflex material, size 2 x 3 ft , with eyelets for hanging.	Each
----	--	------

MODULE 8 – FABRICATION LAB

S.No	Item Description	Unit
Machining and Workshop Tools:		
1	Bench vise Technical Specification: Cast iron body, jaw width 4 inches , hardened steel jaws, swivel base (optional), screw mechanism smooth operation.	pcs
2	Hand drill and drill bits Technical Specification: Rechargeable cordless drill, 12V DC , variable speed, forward/reverse function, keyless chuck (0.8–10mm), supplied with basic drill bit set (wood/metal).	pcs
3	Metal Files and Hacksaw Technical Specification: Set of assorted steel files (flat, round, half-round) approx. 8–10 inch length , hardened steel. Hacksaw frame adjustable with 12” blade , high carbon steel blade.	set
4	Basic Lathe machine Technical Specification: Mini bench lathe, bed length approx. 300–400 mm , swing over bed approx. 150–200 mm , single phase motor 250–500W , speed variable (manual/step pulley), suitable for light metal/wood work.	pcs
5	Bench grinder (for basic sharpening of tools and shaping metal) Technical Specification: Bench-mounted grinder, power 150W , wheel size approx. 6 inch , double grinding wheels, protective guards and eye shields	pcs
6	Laser Cutter Technical Specification: Type: CO ₂ Laser Cutter Power: 40 (suitable for wood and plastic) Cutting Area: Standard	pcs
7	CNC Mill / Router Technical Specification: Small CNC router, working area approx. 300*180*40mm, compatible with wood, plastic, soft metals	pcs
8	Circular Saw Technical Specification: Standard for school Students fabrication purposes	pcs
9	Drill Press Technical Specification: Standard for school Students fabrication purposes	pcs
10	Rubber Mat Working Station Technical Specification: Anti-slip rubber mat, size approx. 2 x 3 ft , oil and wear resistant.	pcs
11	DC Power Supply Technical Specification: Variable DC output 0–30V , current 0–5A , analog/digital display, overload protection.	pcs
12	Tool Kit Technical Specification: Set of tools: pliers, screwdrivers, tweezers, wire stripper, precision tools	pcs



Electrical and Electronics Tools		
1	Multimeter (Digital) Technical Specification: Handheld multimeter with measurement of voltage, current, resistance, diode/continuity testing, LCD display.	pcs
2	Power supply unit (low voltage DC) Technical Specification: Regulated DC supply, output 0–30V / 0–5A , digital display for voltage/current.	pcs
3	Breadboards Technical Specification: Solderless breadboards, standard 400–830 tie points , reusable for circuit prototyping.	pcs
4	Electrical measuring instruments Technical Specification: Basic analog/digital meters including voltmeter and ammeter with standard ranges for educational use.	pcs
5	Soldering Iron and soldering station Technical Specification: Electric soldering iron 25–60W station with stand and solder wire.	set
6	Single-phase transformers (small bench models) Technical Specification: Step-down transformer, input 220V AC , output 6V–12V AC , low capacity (1–3A), insulated casing.	pcs
1	Arduino kits Technical Specification: Starter kits including boards (UNO/Nano/Mega), USB cable, jumper wires, basic components. Compatible with Arduino IDE.	set
2	Raspberry Pi kits Technical Specification: Single-board computer (e.g., Pi 3/4), with SD card, power adapter, HDMI cable.	set
3	Microcontroller interfaces Technical Specification: Basic interface components including LEDs, switches, buzzers, relays, small DC motors.	set
4	Basic sensors Technical Specification: Temperature sensors (LM35/DHT11), LDR modules, ultrasonic sensors (HC-SR04), IR sensors.	set
5	Actuators (servo motors, DC motors, solenoids) Technical Specification: Servo motors, DC motors, small solenoids (5–12V DC).	set
Digital Electronics		
1	Logic gates (ICs) Technical Specification: Standard TTL ICs (AND, OR, NOT, NAND, NOR, XOR), DIP packages.	pcs
2	555 timer IC Technical Specification: NE555 timer IC, standard DIP package.	pcs
3	Simple Flip-flops and counters (ICs) Technical Specification: Basic ICs such as JK flip-flop, D flip-flop, decade counters.	pcs
4	Basic combinational circuit components Technical Specification: Resistors, capacitors, switches, connectors, jumper wires.	pcs
Robotics		



1	Basic Robotics kits Technical Specification: Educational kits for line follower / obstacle avoidance, including chassis, motors, wheels, controller board.	set
2	Motor drivers Technical Specification: ICs motor driver modules.	pcs
3	Ultrasonic sensors Technical Specification: Distance measuring sensor modules (HC-SR04 type).	pcs
4	Bluetooth Modules (HC-05/06) Technical Specification: HC-05 / HC-06 modules, serial communication.	pcs
5	IR Sensors Technical Specification: Infrared obstacle detection modules.	pcs
6	RFID readers Technical Specification: RC522 RFID module with tags/cards.	pcs
7	Basic sensors Technical Specification: PIR motion sensors, water level sensors, basic fingerprint modules.	set
Pneumatics and Hydraulics (Basic Demonstrations Only)		
1	Syringe-based hydraulic models (DIY) Technical Specification: DIY kits using plastic syringes and tubing for fluid mechanics demonstration.	set
2	Simple Pneumatic demonstration kits Technical Specification: Basic air-pressure kits with manual operation.	set
3	Pressure gauges (analog or simple digital) Technical Specification: Analog gauges, range approx. 0–100 psi , durable casing.	pcs
4	Hand-operated pneumatic pumps Technical Specification: Manual air pumps, small capacity for demonstration use.	pcs
Safety & Miscellaneous		
1	Personal Protective Equipment Technical Specification: Safety gloves/ goggles, standard quality.	set
2	Basic First-Aid kit Technical Specification: Basic kit with bandages, antiseptic, gauze, scissors, etc., in portable box.	box
3	Fire extinguisher Technical Specification: Dry chemical powder type, capacity 3 kg , wall mountable, compliant with local safety standards.	pcs
4	AC 1.5 Ton (Inverter) Technical Specification: Split AC, capacity 1.5 Ton , inverter technology, energy efficient, suitable for lab environment. MAL Required	pcs
5	Portable Eye Face wash station	pcs

**ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID****Technical Specification:**

Manual portable unit with water tank, gravity-fed operation, suitable for emergency use.

LIST OF SCHOOL(S):

S.No	Name of School / District	Semis Code
1.	South Karachi GGHS - Ghulam Ali Allana, Garden, Lyari Town	408060250
2.	South Karachi GGHS - G.G.S.S Fazal Ur Rehman, Saddar Town	408060262
3.	South Karachi Government Boys Secondary School Lyari NO 1	408050231
4.	East Karachi GGHS Gulshan Iqbal Block 6, East Karachi	408080120
5.	West Karachi Model School Orangi (Qasba Colony), Orangi Town	408020134
6.	Central Karachi GGHS Government Comprehensive Girls School, North Nazimabad	408120119
7.	Malir Karachi GBHSS Haji Wali Muhammad Baloch, Malir (Mixed)	408170200
8.	Malir Karachi GBHSS Jam Murad Ali, Malir (Mixed)	408180453
9.	Keamari Karachi GGHS Intelligence Sultanabad, Keamari Karachi	408010180
10.	Korangi Karachi GBHSS Comprehensive Higher Secondary School Korangi NO: 3, Nearby DC Office, Korangi	408110151
11.	Hyderabad GBHSS Ghulam Hussain Hidayatullah, Hyderabad City (Mixed)	403020239
12.	Hyderabad GBHSS Shaikh Hafiz Mori Mangar, Taluka Hyd-Rural (Mixed)	403010545
13.	Hyderabad GGHS Mirza Qaleech Baig, Hyderabad	403020241
14.	Jamshoro GBHSS Shoukat Hussain Shoro, Sindh University Jamshoro (Mixed)	422010156
15.	Jamshoro GBHSS Bhan Sayedabad, Sehwan (Mixed)	422020332
16.	Jamshoro GGHS Sehwan Shareef, Sehwan	422020331
17.	Badin GBHSS Tando Ghulam Ali, Matli (Mixed)	401030701
18.	Badin GBHSS Tando Bago (Mixed)	401040750
19.	Badin GBHSS Haji Junejo, Shaheed Fazil Rahu, @Golarchi	401020169
20.	Badin GBHS BADIN	401010820
21.	Thatta GBHSS Gharo, Mirpur Sakro	404060509
22.	Thatta GBHSS Jungshahi, Thatta (Mixed)	404090638
23.	Sujawal GBHSS Chuhar Jamali	404070230
24.	Sujawal GBHSS Jhoke Sharif, Mirpur Bathoro (Mixed)	404050586
25.	Sujawal GBHSS Jati (Mixed)	404020439
26.	Matiari GBHS BhitShah, Hala	423010233
27.	Matiari GBHSS Oderolal Station, Tehsil Matiari	423020462
28.	Matiari GBHSS Bakhar Jamali	423030317
29.	Matiari GBHSS : SAEED KHAN LAGHARI (Mixed)	423010238
30.	Tando Allahyar GBHSS Chambar (Mixed)	424030308



ADP # 570: Establishment of Stream Lab(s) in Existing Model Schools PMIU/SERP-II/SID



31.	Tando Allahyar GBHSS Bahar Khan Mirjat, Jhando Mari (Mixed)	424020290
32.	Tando Allahyar GGHSS Tando Allahyar (Mixed)	424010240
33.	Tando Muhammad Khan GBHSS Raju Nizamani (Mixed)	425010302
34.	Mirpurkhas GBHSS Kot Ghulam Muhammad	405020437
35.	Mirpurkhas GBHSS - Provincialized Jhuddo	405040309
36.	Mirpurkhas GGHSS – Mirpurkhas	405030389
37.	Mirpurkhas GGHSS – Digri	405010383
38.	Naushero Feroze GGHSS - Mehrabpur	416050320
39.	Sanghar GBHSS Shahpur Chaker	407040744
40.	Sanghar GBHS - Shah Abdul Latif, Tando Adam	407060328
41.	Sanghar GGHSS- Jhol, Sinjhor	407050602
42.	Sanghar GBHSS - Ghulam Muhammad Laghari, Maldasi Shahdadpur	407040713
43.	Sukkur GBHSS Pano Aqil	418010583
44.	Sukkur GBHSS Salehpat (Mixed)	418040165
45.	Sukkur GGHSS - Barrage Colony Higher Secondary School, Sukkur City	418030072
46.	Sukkur GBHSS - Comprehensive Higher Secondary School Sukkur, New Sukkur	418050146
47.	Ghotki GBHSS Khanpur Mahar, Khangarh (Mixed)	419040197
48.	Ghotki GGHSS Ghotki	419010506
49.	Ghotki GBHS – Daharki	419050419
50.	Ghotki GBHS Dino Mako, MC Mirpur Mathalo	419020467
51.	Khairpur Mirs GBHSS - Hingorja, Sobhodero @Ranipur (Mixed)	415080279
52.	Khairpur Mirs GGHSS - Mall Road Khairpur, Khairpur City	415030406
53.	Khairpur Mirs GBHS Murad High School Gambat, MC Gambat	415020314
54.	Larkana GBHSS - Kishanchand Bewas Pilot Higher Secondary School, Larkana City	413020418
55.	Larkana GBHSS – Naudero, Ratodero	413030370
56.	Qambar Shahdadkot GBHS – Qamber (Qamber City)	427010397
57.	Qambar Shahdadkot GBHS – Nasirabad (Nasirabad City)	427060175
58.	Shikarpur GBHSS - Khanpur, Shikarpur	414020281
59.	Shikarpur GGHSS - Haji Fateh Muhammad, City Shikarpur	414040324
60.	Kashmore at Kandhkot GBHS Bhattai High School, Kandhkot (Mixed)	426010345
61.	Jacobabad GBHSS - A.M.K.K & S.I.S, Thul	412030765
62.	Jacobabad GGHSS - N.K.G Jacobabad (Mixed)	412020403