REQUEST FOR PROPOSAL

For

PROVISION OF IT EQUIPMENT AND SCIENCE LABORATORY EQUIPMENT INTO SEVEN FDE SCHOOLS/COLLEGES

PROVISION OF IT EQUIPMENT AND SCIENCE LABORATORY EQUIPMENT INTO SEVEN FDE SCHOOLS/COLLEGES

Project Coordination Unit (PCU), Khyaban-e-Suharwardy, Zero Point, Pakistan Manpower Building, Gate 3, Ministry of Federal Education and Professional Training (M/o FE&PT), Islamabad

September 2024

TENDER / REQUEST FOR THE PROPOSAL FOR THE PROVISION OF IT EQUIPMENT AND SCIENCE LABORATORY EQUIPMENT

Federal Directorate of Education (FDE), Islamabad invites the sealed bids from the eligible vendors/firms for the provision of IT equipment and science laboratory equipment for its newly established seven schools/colleges. For this purpose, the FDE invites proposals from eligible vendors/firms to provide the specified IT equipment and Science lab equipment for the seven schools/colleges within 2 months (60 days). The proposals should be inclusive of all applicable taxes and premiums and must meet the RFP's specifications. The bid will be comprising of two lots 1) Provision of IT equipment 2) Provision of science lab equipment. The bidder can participate in single lot as fulfilling the criteria.

- 2. The interested Firms/Vendors are invited to submit sealed bids by following "Single Stage-Two Envelops" bidding procedure in accordance with the PPRA Rules 36(b). Each bid shall comprise two envelopes containing, financial proposal and technical proposal each along with any supplementary documents that the organization feels relevant should be submitted to the Procurement Specialist. Technical Proposals will be opened first; those who will qualify in the technical scoring criteria and then those will qualify technically will be evaluated financially. The most advantageous bid as per PPRA rule will be selected for the award. Only those who are registered with legal entities are eligible to apply for the bid.
- 3. The last date for submission of bids will be 15·10-2024 by 12:00 PM. Technical Proposals will be opened on the same date at 12:30 PM in the presence of the representative of the firms who may wish to attend. Bid security of PKR 800,000/- (Eight Hundred Thousand Pakistani Rupees) in the shape of a Pay Order, CDR, or Banker's Cheque, in the name of Chairman Procurement specialist Federal Directorate of Education Islamabad is required and must be furnished along with Financial Proposal. FDE will not be responsible for any cost or expense incurred by the bidders in connection with preparation or submission of bids. In case of official holiday on the day of submission, next day will be treated as closing date. Bid notice has also been posted on PPRA website (www.ppra.gov.pk) Electronic proposals will not be entertained other than bids required to be submitted through PPRA e-Procurement Portal-EPADS at (www.eprocure.gov.pk). The procuring agency has right to cancel the activity any time. The detailed bidding document/RFP can be downloaded from the PPRA, FDE and M/o FE&PT's website. Pre-Bid meeting will be held at below address Islamabad on 08-10-2024 at 12:30 PM.

Procurement Specialist

Project Coordination Unit (PCU), Khyaban-e-Suharwardy, Zero Point, Pakistan Manpower Building, Gate 3, Ministry of Federal Education and Professional Training (M/o FE&PT), Islamabad.

Phone 051-9252497 uzma.malik.pcu@gmail.com

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| 4.17 | GENERAL DECLARATION | |
| | 4.1BID SECURITY (BANK GUARANTEE) | 49 |
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1. Request for Bid (RFB):

The Federal Directorate of Education, Islamabad invites bids from eligible vendors/firms for the "Provision of IT equipment and Science laboratory equipment" for its seven schools/colleges through Request for Proposal (RFP) method under PPRA rules. For this purpose, the FDE invites proposals from eligible vendors/firms to supply and install the specified goods/items/equipment for the following:

- i. IMCG G-14/4 Islamabad
- ii. IMCB G-15 Islamabad
- iii. IMCB Pakistan Town Islamabad
- iv. IMSG (I-V), Tarlai, Islamabad
- v. IMS (I-V) GhoraShahan
- vi. IMCG Barakoh Islamabad
- vii. IMCB G-13/2

The Proposals should be inclusive of all applicable taxes and premiums and must meet the RFP's specifications. Additionally, a two percent (2%) bid security in the form of a Pay Order, CDR, or Banker's Cheque, in the name of Chairman Purchase Committee, FDE is required along with the financial proposal. A Bank Performance Guarantee of ten percent (10%) would be required later from the successful bidder.

2. Eligibility Criteria

The vendors/firms are requested to submit copies of the following documents as evidence of their eligibility:

- a) A minimum of 3 years of experience in providing IT-related goods or services of similar nature is required. (Vendors/Firms are requested to attach a summary of all relevant project contracts and purchase orders in tabular form. This should include the **reference number**, **description**, **award and completion dates**, **duration** (**in days**), and **total amount**. Additionally, copies of these contracts and purchase orders should be attached in chronological order). In case of applying for lot 2 the firm must be registered as equipment provider or should provider evidence provide representative or MAL or original manufacturer.
- b) Firms/vendors must have completed a minimum of 3-5 similar projects with government/semi government, donor agencies, or the private sector at national / international level within the past 3 years, accompanied by copies of the respective work orders/contracts.
- c) Must be registered with the FBR or the relevant provincial authorities (if supplying goods within the provinces) and have an active taxpayer status.
- d) The average annual turnover of the last three years must be at least 100 million.
 (Audited financial statements, stamped by a chartered accountant, must be provided for the last three years.)
- e) The firm/Vender must not have been blacklisted by any organization or government, semi government, autonomous or any financial institution of Pakistan.
- f) A Manufacturing Authorization Letter (MAL) from the original manufacturer, following the standard format, is mandatory. OEM is must

- g) In Case of a joint venture/consortium, if one of the partners in a JV alone fulfills the threshold in criterion (mention in sub-para (c)&(d), both equally otherwise in terms of scope of work sharing having similar projects portfolio one is huge capacity and other having short will be acceptable but not in terms of legal registration and in terms of taxation and financial worth turnover.
- h) JV is not encouraged into this assignment due to its less threshold.

3. Validity of Offers

The offers shall be valid until ninety (90) days from the date of opening of the Proposal.

4. Proposal Variation Order / Modification

- a) Quantities can be increased or decreased at any time as per the client's need.
- b) Delivery should be conducted through legal channels, and no grey channels should be utilized. The delivery period including installation is set at 60 days. Transport and taxes import custom duties or any other associated cost will be born up by the supplier into their rates given in total.

5. Preparation of Bids

- a) Proposal shall be evaluated on total price basis and the Purchase Order shall be issued to the respective firm offering the lowest evaluated price for all items in total against estimated quantities.
- b) Price Proposal/(s) shall be for all the items as described in the attached scope of requirements.

6. Quoted Price

The quoted price should encompass all applicable taxes and premiums and must be in PKR (Pakistani Rupees).

7. Clarifications / Pre Bid Meeting

For any clarifications regarding this RFP may be sent in writing to procurement specialist before or during the pre-bid meeting i.e. **08 October 2024 12:30 P.M** which will be responded during the pre-bid meeting and documented through minutes. All prospective bidders or their authorized representatives are invited to attend the pre-bid meeting.

The bidders are requested to submit questions, if any, in writing so as to reach the employer before pre-bid meeting. Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents thereof, which may become necessary as a result of the pre-bid meeting shall be made by the employer exclusively through the issue of an addendum not through the minutes of the pre-bid meeting.

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

8. Sealing and Marking of Proposals

Proposals should be submitted in a single-stage two-envelope format, clearly labelled with the RFP's title/number, description, the name of the Firm/Vendor/JVs/Consortium, and the name of the purchaser, FDE.

9. Submission of Proposals

- a) Proposals are to be submitted in the form attached by courier or by hand.
- b) The deadline for submission of Proposals is on or before 15th October 2024 at 12:00 PM.
- c) The address for submission of Proposals is:

Attention: Procurement Specialist Project Coordination Unit (PCU), Khyaban-e-Suharwardy, Zero Point, Pakistan Manpower Building, Gate 3, Ministry of Federal Education and Professional Training (M/o FE&PT), Islamabad. Phone 051-9252497 uzma.malik.pcu@gmail.com

Address: Opening of Proposals

a) Proposals will be opened by the Purchaser's representatives on the same day after the Deadline for the submission of Proposals i.e. 15th Oct 2024 at 12:00 PM. and bid opening Time at 12:30 PM

10. Evaluation of Proposals / Bid Evaluation

The technical proposals of the qualified bids after evaluation as per Eligibility Criteria shall be evaluated. The Financial Proposals will be opened if Technical Proposal qualifies on given criteria i.e. more than **70:30%** of total marks of Technical Proposal. The contract will be awarded to Technically Qualified and Lowest Financial Basis.

11. Criteria for Bid Evaluation

The Technical Proposal shall be evaluated based on firm's capability and relevant experience, and key personnel proposed for project team handling this assignment. The criteria and point system for the evaluation of Technical Proposals shall be as under:

S/N Preliminary Criteria for Bids Responsiveness for further eligibility of getting into Marks getting in the technical evaluation.

Mandatory Requirement

1

- i) Registration with SECP/Register of Firms in Pakistan.
- ii) Relevant FBR Income Tax & GST Registration.
- iii) Minimum 3 Years of Experience of similar nature projects / services.
- iv) The total average annual turnover of the last three years must be at least 100 million proved by Audited financial statements. The firm must have working capital/net worth of 100 million Rupees as well.
- v) Affidavit for non-blacklisted on 100 Rupee Stamp Paper
- vi) MAL issued by the manufacturer by the principal not through the agents should be attached for IT equipment which will be verified with OEM.
- vii) Have completed 3-4 similar nature of projects in education sector.

12. Documents:

- Bidder must have his own office with facilities, equipment, and skilled human resources.
- Blacklisted bidders/contractors with pending liabilities of any Govt. department and those companies/ contractors/ firms whose renewal/registration is not up to date shall not be eligible to participate in the bidding process.
- Bidder must submit integrity pact as per prescribed format
- Must attach all documents required in technical evaluation.
- Delivery schedules

13. Award of Purchase Order

The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

The Purchaser shall invite by the quickest means the successful Supplier for any discussion/clarification that may be needed to conclude the Purchase Order.

The purchaser shall publish an evaluation report on its website with free access, before issuance of purchase order, and 07 days grievance period will be given. The information shall include the name of the successful Supplier, summary of its scope and their quoted and evaluated prices. The Competent Authority reserves the right to cancel all the offers.

On behalf of the Purchaser: Procurement Specialist Project Coordination Unit (PCU), Khyaban-e-Suharwardy, Zero Point, Pakistan Manpower Building, Gate 3, Ministry of Federal Education and Professional Training (M/o FE&PT), Islamabad

For information: www.mofept.gov.pk

Telephone: 051-9252497

PURCHASER'S REQUIREMENTS

- i) Payment will be made on a Delivery Goods as per delivery of schools.
- ii) In case of repair of any damage part the Firm shall provide an alternate similar goods on urgent basis without any delay and in this regard no extra charges shall be paid by the Client.
- iii) In case of failure of providing good quality services on one month notice contract will be terminated.
- iv) The rates should be inclusive of all taxes and transportation cost or repair maintenance cost in case any breakage done by the time of inspection or during inspection any item is not up to the quality requirement that item will be replace without any cost by the firm
- v) Inspection will be done by the designated technical/procurement team of the FDE.
- vi) Invoice will be verified by the technical/procurement team.
- vii) Stock Registers will be maintained by the respective schools WILL BE SHARED with the supervision of Technical/Procurement department Team.
- viii) FDE will ensure quality of material delivery and inspection etc.
- ix) Payment in advance is only on booking shipment mobilization against bank guarantee/Insurance bond.
- x) For each completed lab, the vendor will obtain delivery challan duly signed by the Authorized representative and will submit with invoice.

xi)

TECHNICAL SPECIFICATION

1. Lot 1- Procurement of IT Equipment#

| Sr | | Total | |
|-------------|--|--------------|---|
| | Item Name | 0 | Specifications |
| | Printer | Quantity 12 | Print Technology: Laser, print speed: Black: 30ppm, color:20 ppm, print resolution: Black & color: 1200 x 122 dpi, paper handling: Automatic document feeder, 250-sheet input tray, 100-sheet output tray, support A4, Letter, legal, Duty cycle: 30,000 pages per month, Connectivity: WIF-FI, Ehthernet, USB. Mobile printing: Apple Airprint, Mopria, Duplex Printing: Automatic, Scanning: Color flatbed scanner, resolution: 600 x 600 dpi with Equivalent or higher specifications |
| 2 | Multimedia | Procure 4 | Panel Size: 16.0 mm (0.63 in) (4:3 aspect ratio), Transparent LCD panel (x 3, R/G/B) Resolution: 786,432 (1024 x 768) pixels Lens: Manual zoom (1.6x), Manual focus, F 1.60–1.90, f 15.31–24.64 mm Screen Size: 0.76–7.62 m (30–300 in), 4:3 aspect ratio Light Output/Brightness: 4,500 lm Power Consumption: 320 W Contrast Ratio: 20,000:1 (Full On/Off) Installation: Ceiling/floor, front/rear Built-in Speaker: 10 W (monaural) Color Accuracy: Specify color standards (e.g., sRGB, Rec. 709) Lamp Life: Estimated lamp life in hours Video Compatibility: Supported video formats and resolutions (e.g., HDMI, VGA, DVI) with Equivalent or higher specifications |
| 3 | Scanner | PY07 PY | Maximum Document Size: A4, Legal (or specific dimension) if required, scanning element: Charged-Coupled Device (CCD), Optical resolution: 600 dpi (minimum), higher resolution (eg 1200 dpi), color depth: 24-bit color minimum, output formats: JPEG, TIFF, PDF, and other common formats. Interface: USB 3.0, Ethernet (optional for network scanning) with Equivalent or higher specifications |
| 4 | Computer core i5 with LCD and other accessories, wireless LAN card etc for library | 85 | Processor: Intel Core i5 13 Gen or above, Memory: 16 gb DDR5 RAM, Storage: 1TB NVMe SSD, Motherboard: Intel chipset motherboard with multiple PCle slots, Network: Intel Gigabit Ethernet or 2.5GbE NIC power supply: 750W or Higher, Wireless LAN in build, Ports:2xPD Type C, 4 x USB front 3.0, 4x USB on back, 1x HDMI 19'6 or higher UHD LCD, Wireless keyboard, mouse of same brand with Equivalent or higher specifications |

2. <u>Lot 2- Procurement of Science Lab equipment's</u> <u>EQUIPMENT/APPARATUS FOR PHYSICS LABORATORY</u>

| S | | IMCB G- | | | IMCB | IMCB G- |
|----|---|--------------------------|-----------------|----------------------|-----------------|-----------------|
| No | List of | | IMCB G- | IMCB Pak | Bhara | |
| | Items | 13/2 | | Town | Kahu | 14/4 |
| | Equipment/ Appar | <u> </u> :atus/ Chemi | cals for Chen | l nistry Lahorato | | |
| 1 | Acetic Acid | 0.5 Ltr | 0.5 Ltr | 0.5 Ltr | 0.5 Ltr | 0.5 Ltr |
| | Alminium Foil | 100 g | 100 g | 100 g | 100 g | 100 g |
| | Ammonium chloride | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg |
| | Ammonium Nitrate | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg |
| | Barium Chloride | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg |
| | Bromothymol Blue | 10 g | 10 g | 10 g | 10 g | 10 g |
| 7 | Calcium Carbonate | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg |
| 8 | Calcium Chloride or any salt of Ca | 100 g | 100 g | 100 g | 100 g | 100 g |
| 9 | Calcium Hydroxides | 100 g | 100 g | 100 g | 100 g | 100 g |
| 10 | Cinnamic Acid | 100 g | 100 g | 100 g | 100 g | 100 g |
| 11 | Concentrated Hydrocholoric Acid | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr |
| | Copper Chloride or any salt of Cu | 50 g | 50 g | 50 g | 50 g | 50 g |
| 13 | 2, 4-Dinitrophenyle Hydraize | 50 g | 50 g | 50 g | 50 g | 50 g |
| | Distilled Water (Ltr) | 04 Ltr | 04 Ltr | 04 Ltr | 04 Ltr | 04 Ltr |
| | Ethanol | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr |
| | Fehling's Solution (set) | 100 cm3 | 100 cm3 | 100 cm3 | 100 cm3 | 100 cm3 |
| | Ferrice Chloride | 50g | 50g | 50g | 50g | 50g |
| | Fructose | 50g | 50g | 50g | 50g | 50g |
| | Glucose | 50g | 50g | 50g | 50g | 50g |
| | Iodine | 50g | 50g | 50g | 50g | 50g |
| | Lime Water | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr |
| | Litmus Solution | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr |
| | Magnesium Hydroxides | 100 g | 100 g | 100 g | 100 g | 100 g |
| | Methanol | 0.25 Liter | 0.25 Liter | 0.25 Liter | 0.25 Liter | 0.25 Liter |
| | Methyl Orange | 10 g | 10 g | 10 g | 10 g | 10 g |
| | Nitric Acid | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr |
| | Oil | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg | 0.25 Kg |
| | Oxalic Acid | 50 g | 50 g | 50 g | 50 g | 50 g |
| | Phenol Solution | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr | 0.50 Ltr |
| | Pehnolophathalein | 10 g | 10 g | 10 g | 10 g | 10 g |
| | Potassium Chloride or any salt of K | 20 g | 20 g | 20 g | 20 g | 20 g |
| | Potassium Hydroxides | 100 g | 100 g | 100 g | 100 g | 100 g |
| | Potassium Permanganate | 100 g | 100 g | 100 g | 100 g | 100 g |
| | Powedered Zinc | 50 g | 50 g | 50 g | 50 g | 50 g |
| | Silver Nitrate | 25 g 02 bars | 25 g 02 bars | 25 g 02 bars | 25 g 02 bars | 25 g 02 bars |
| | Soap (Bar) | | | 02 bars 050 g | | |
| | Sodium Bicarbonate Sodium Carbonate | 050 g 100 g | 050 g 100 g | 100 g | 050 g 100 g | 050 g 100 g |
| | Sodium Carbonate Sodium Chloride | 0.50 Kg | 0.50 Kg | 0.50 Kg | 0.50 Kg | 0.50 Kg |
| | Sodium Hydroxide | 100 g | 100 g | 100 g | 100 g | 100 g |
| | Sodium Sluphae | 100 g | 100 g | 100 g | 100 g | 100 g |
| | Sulphuric Acid | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr |
| | Strontium Chloride or any salt of strontium | 50 g | 50 g | 50 g | 50 g | 50 g |
| | Sugar | 100 g | 100 g | 100 g | 100 g | 100 g |
| | Tollen's Reagent | 100 g | 100 g | 100 g | 100 g | 100 g |
| | Vinegar | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr | 0.25 Ltr |
| | Battery Cells with 2 Electrodes (9V) | 4 | 4 | 4 | 4 | 4 |
| | Beakers 50 cm3 | 6 | 6 | 6 | 6 | 6 |
| | Beakers 100 cm3 | 6 | 6 | 6 | 6 | 6 |
| | Beakers 250 cm3 | 6 | 6 | 6 | 6 | 6 |
| | Beakers 500 cm3 | 6 | 6 | 6 | 6 | 6 |
| | Blue Timus Paper | 01 Packet | 01 Packet | 01 Packet | 01 Packet | 01 Packet |
| | Bunsen Burners | 4 | 4 | 4 | 4 | 4 |
| | Burettes | 4 | 4 | 4 | 4 | 4 |
| | | | | | | |
| 56 | Capillary Tubes Pack | 6 | 6 | 6 | 6 | 6 |

| 58 Conical Flasks (250 cm3) | 6 | 6 | 6 | 6 | 6 |
|--------------------------------------|---|---|---|---|---|
| 59 Corks (each of different size) Dz | 5 | 5 | 5 | 5 | 5 |

| 60 | Cotton | 01 Roll |
|-----|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| | Delivery Tubes | 01 K011 | 01 K0II | 4 | 4 | 4 |
| | Droppers Droppers | 6 | 6 | 6 | 6 | 6 |
| | Filter Papers | 01 Packet |
| | Forceps | 6 | 6 | 6 | 6 | 6 |
| | Funnels | 6 | 6 | 6 | 6 | 6 |
| | Fusions Tubes | 10 | 10 | 10 | 10 | 10 |
| | Glass Plates | 6 | 6 | 6 | 6 | 6 |
| 68 | Glass Strirrers | 6 | 6 | 6 | 6 | 6 |
| 69 | Graduated Cylinders 50 cm3 | 6 | 6 | 6 | 6 | 6 |
| | Graduated Cylinders 100 cm3 | 6 | 6 | 6 | 6 | 6 |
| 71 | Graduated Flasks 100 cm3 | 4 | 4 | 4 | 4 | 4 |
| 72 | Graduated Flasks 250 cm3 | 4 | 4 | 4 | 4 | 4 |
| 73 | Graduated Flasks 1000 cm3 | 4 | 4 | 4 | 4 | 4 |
| 74 | Iron Stands (Heavy Base) | 5 | 5 | 5 | 5 | 5 |
| | Knives | 4 | 4 | 4 | 4 | 4 |
| | Magnets | 6 | 6 | 6 | 6 | 6 |
| | Match Boxes | 4 | 4 | 4 | 4 | 4 |
| 78 | Organic Waste Cans | 2 | 2 | 2 | 2 | 2 |
| | Physical Balances | 2 | 2 | 2 | 2 | 2 |
| | pH Paper (1 to 14) | 6 | 6 | 6 | 6 | 6 |
| | Pipettes (10 cm3) | 4 | 4 | 4 | 4 | 4 |
| 82 | Platinum Wires | 6 | 6 | 6 | 6 | 6 |
| | Red Litmus Paper | 01 Packet |
| | Round Bottom Distillation Flasks | 6 | 6 | 6 | 6 | 6 |
| | Rubber Tubing | 5 m | 5 m | 5 m | 5 m | 5 m |
| | Sand Baths | 4 | 4 | 4 | 4 | 4 |
| | Spatulas (stainless steel) | 4 | 4 | 4 | 4 | 4 |
| | Test Tube Holders | 4 | 4 | 4 | 4 | 4 |
| | Test Tubes Racks | 4 | 4 | 4 | 4 | 4 |
| | Test Tubes | 20 | 20 | 20 | 20 | 20 |
| | Thermometeres (110*) Tripod Stands | 6 6 | 6 6 | 6 6 | 6 | 6 6 |
| | Watch Glasses | 4 | 4 | 4 | 4 | 4 |
| | Water Condensers | 4 1 | 4 | 4 | 4 | 4 |
| | Wire Gauzes | 4 | | 4 | 4 | 4 |
| 96 | Acetic Acid | 0.5 Ltr |
| 97 | Alocohol | 0.5 Ltr |
| | Ascorbic acid | 0.5 Ltr |
| 99 | Benedict's Solution | 0.5 Ltr |
| | Bromothymol Blue Solution | 0.5 Ltr |
| | Chloroform | 0.5 Ltr |
| 102 | Copper Sulfate Solution | 0.5 Ltr |
| | Diastase | 0.5 Ltr |
| | Distilled Water | 0.5 Ltr |
| | Eosine | 0.5 Ltr |
| | Ethanol | 0.5 Ltr |
| | Formaline | 0.5 Ltr |
| | Glucose Solution 01% | 0.5 Ltr |
| | Glycerine | 0.5 Ltr |
| | Hydrogen Carbonate indicator | 0.5 Ltr |
| | Iodine Solution 01% | 0.5 Ltr |
| | Lime Water Mathylana Potassium Hydrovida Plua 01% | 0.5 Ltr |
| | Methylene Potassium Hydroxide Blue 01% Starch | 0.5 Ltr 0.5 Ltr |
| | Sudan III Solution | 0.5 Ltr |
| | Trypsin | 0.5 Ltr |
| | Wax | 0.5 Ltr |
| | Animal and Plant Cell | 0.5 Lu | 0.3 Lu | 0.5 Lu | 0.5 Lu | 0.3 Lu |
| | Biodiversity | 01 | 01 | 01 | 01 | 01 |
| | | J.1 | 71 | V 1 | V-1 | V-1 |

| 120 | Biogeochemical Cycles | 01 | 01 | 01 | 01 | 01 |
|--|---|--|---|---|---|--|
| | Cell Division | 01 | | 01 | 01 | 01 |
| | Germination | 01 | 01 | 01 | 01 | 01 |
| | | 01 | | 01 | 01 | 01 |
| | Human Body Systems | 01 | 01 | 01 | 01 | 01 |
| | Mandelian Genetics | 01 | 01 | 01 | 01 | 01 |
| | Mechanism of Enzyme Action | | | | | |
| | Plant Propagation Reflex Arc | 01 | 01 | 01 | 01 | 01 |
| | | 01 | 01 | 01 | 01 | 01 |
| | Sexual Reproduction in Plants | 01 | 01 | 01 | 01 | 01 |
| | Structure of DNA | 01 | 01 | 01 | 01 | 01 |
| | Transport of Material in Plants | 01 | 01 | 01 | 01 02 | 01 |
| | Bacteria | | | _ | | |
| | Cells of onion epidermis and Hydrilla Leaf | 02 | 02 | 02 | 02 | 02 |
| | Conjugation in Paramecium | 02 | 02 | 02 | 02 | 02 |
| | Motosis and Meiosis in Onion root tip | 02 | | | | 02 |
| | Nerve Cell | 02 | 02 | 02 | 02 | 02 |
| | Rhizopus and Mushroom | | 02 | 02 | | |
| | Section of Mammalian Kidney | 02 | 02 | 02 | 02 | 02 |
| | Sections of animal Tissues | 02 | 02 | 02 | 02 | 02 |
| | Transverse section of Artery, Vein & Capillary | 02 | 02 | 02 | 02 | 02 |
| | Transverse section of Human Small intestine | 02 | 02 | 02 | 02 | 02 |
| | Transverse Sectin of Leaf, Root and stem of Brassica | 02 | 02 | 02 | 02 | 02 |
| 142 | Transverse section of Mammalian | 02 | 02 | 02 | 02 | 02 |
| 143 | Burner (Spirit Lamp) | 4 | 4 | 4 | 4 | 4 |
| | Conical Flask | 4 | 4 | 4 | 4 | 4 |
| 145 | Cotton Wool | 4 | 4 | 4 | 4 | 4 |
| 146 | Differentiate air thermometer | 4 | 4 | 4 | 4 | 4 |
| 1/17 | Dissecting Board | 4 | 4 | 4 | 4 | 4 |
| 1+/ | Dissecting Doard | 4 | 4 | 4 | 4 | 4 |
| | Dissecting Box | 4 | 4 | 4 | 4 | 4 |
| 148 | | | + | | | |
| 148 149 150 | Dissecting Box Dissecting Tray Dropper | 4 | 4 | 4 | 4 | 4 |
| 148 149 150 | Dissecting Box Dissecting Tray | 4 4 | 4 4 | 4 | 4 | 4 |
| 148 149 150 151 | Dissecting Box Dissecting Tray Dropper | 4 4 4 | 4 4 4 | 4 4 4 | 4 4 4 | 4 4 4 |
| 148 149 150 151 152 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm | 4 4 4 4 Each | 4 4 4 4 Each | 4 4 4 4 Each | 4 4 4 4 Each | 4 4 4 4 Each |
| 148 149 150 151 152 153 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube | 4 4 4 4 Each | 4 4 4 4 Each 04 Pack | 4 4 4 4 Each 04 Pack | 4 4 4 4 Each | 4 4 4 4 Each 04 Pack |
| 148 149 150 151 152 153 154 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop | 4 4 4 4 Each 04 Pack 2 | 4 4 4 4 Each 04 Pack | 4 4 4 4 Each 04 Pack 2 | 4 4 4 4 Each 04 Pack 2 | 4 4 4 4 Each 04 Pack 2 |
| 148 149 150 151 152 153 154 155 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net | 4 4 4 4 Each 04 Pack 2 4 | 4 4 4 4 Each 04 Pack | 4 4 4 4 Each 04 Pack 2 4 | 4 4 4 4 Each 04 Pack 2 4 | 4 4 4 4 Each 04 Pack 2 4 |
| 148 149 150 151 152 153 154 155 156 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass | 4 4 4 4 Each 04 Pack 2 4 2 4 | 4 4 4 Each 04 Pack 2 4 2 4 | 4 4 4 4 Each 04 Pack 2 4 | 4 4 4 Each 04 Pack 2 4 | 4 4 4 4 Each 04 Pack 2 4 |
| 148 149 150 151 152 153 154 155 156 157 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml | 4 4 4 Each 04 Pack 2 4 2 | 4 4 4 Each 04 Pack 2 4 2 | 4 4 4 4 Each 04 Pack 2 4 | 4 4 4 Each 04 Pack 2 4 2 | 4 4 4 Each 04 Pack 2 4 2 |
| 148 149 150 151 152 153 154 155 156 157 158 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass | 4 4 4 4 Each 04 Pack 2 4 2 4 | 4 4 4 Each 04 Pack 2 4 2 4 | 4 4 4 4 Each 04 Pack 2 4 2 | 4 4 4 Each 04 Pack 2 4 2 | 4 4 4 Each 04 Pack 2 4 2 4 |
| 148 149 150 151 152 153 154 155 156 157 158 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, | 4 4 4 Each 04 Pack 2 4 2 4 4 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 2 4 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 |
| 148 149 150 151 152 153 154 155 156 157 158 159 160 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) | 4 4 4 Each 04 Pack 2 4 2 4 4 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 2 4 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each |
| 148 149 150 151 152 153 154 155 156 157 158 160 161 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 4 2 each | 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 |
| 148 149 150 151 152 153 154 155 156 157 158 160 161 162 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Cover Slip | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 02 Pack | 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 02 Pack | 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 02 Pack |
| 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Slide | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 02 Pack | 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 02 Pack | 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 02 Pack |
| 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Slide Petri Dish | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 02 Pack | 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 02 Pack | 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 02 Pack 4 02 Pack 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Slide Petri Dish Pipette (10 ml) | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 4 4 4 2 each 4 02 Pack 02 Pack 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 |
| 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Cover Slip Microscope Slide Petri Dish Pipette (10 ml) Plant Presser | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 4 | 4 4 4 4 4 Each 04 Pack 2 4 4 2 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 4 | 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 |
| 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Slide Petri Dish Pipette (10 ml) Plant Presser Plate (Glass) | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 4 4 | 4 4 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 4 | 4 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 02 Pack 02 Pack 02 Pack 4 4 4 4 | 4 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 |
| 148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Slide Petri Dish Pipette (10 ml) Plant Presser Plate (Glass) Potometer Preserved Specimens of representative animals | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 4 4 4 4 4 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 4 4 4 4 4 | 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Cover Slip Microscope Slide Petri Dish Pipette (10 ml) Plant Presser Plate (Glass) Potometer Preserved Specimens of representative animals Reagent Bottles 250ml | 4 4 4 4 Each 04 Pack 2 4 4 2 4 4 4 4 4 4 4 01 each | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 4 4 4 4 4 | 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 01 each | 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 01 each |
| 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Cover Slip Microscope Slide Petri Dish Pipette (10 ml) Plant Presser Plate (Glass) Potometer Preserved Specimens of representative animals Reagent Bottles 250ml Specimen Jars | 4 4 4 4 Each 04 Pack 2 4 4 2 4 4 4 4 4 4 4 01 each 4 4 4 4 4 4 4 4 4 6 4 4 4 4 6 6 6 6 7 7 8 7 8 7 8 8 7 8 8 8 8 8 8 8 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 2 each 4 02 Pack 02 Pack 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 4 4 4 01 each 4 | 4 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 01 each 4 |
| 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Cover Slip Microscope Slide Petri Dish Pipette (10 ml) Plant Presser Plate (Glass) Potometer Preserved Specimens of representative animals Reagent Bottles 250ml | 4 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 01 each 4 4 | 4 4 4 Each 04 Pack 2 4 2 4 4 4 2 each 4 02 Pack 02 Pack 4 4 4 4 01 each 4 | 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 2 each 4 4 02 Pack 02 Pack 4 4 4 4 01 each 4 | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 02 Pack 02 Pack 02 Pack 4 4 4 4 01 each 4 4 | 4 4 4 4 4 4 4 A Each 04 Pack 2 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 01 each 4 4 |
| 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Slide Petri Dish Pipette (10 ml) Plant Presser Plate (Glass) Potometer Preserved Specimens of representative animals Reagent Bottles 250ml Specimen Jars Stop Watch | 4 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 01 each 4 4 4 4 | 4 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 01 each 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 4 01 each 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 01 each 4 4 4 4 |
| 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Slide Petri Dish Pipette (10 ml) Plant Presser Plate (Glass) Potometer Preserved Specimens of representative animals Reagent Bottles 250ml Specimen Jars Stop Watch Stopper (Cork) | 4 4 4 4 Each 04 Pack 2 4 2 4 4 4 4 4 4 4 4 01 each 4 4 4 6 | 4 4 4 4 4 Each 04 Pack 2 4 4 2 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 6 | 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 4 4 6 | 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 01 each 4 4 4 6 | 4 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 4 4 6 |
| 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 | Dissecting Box Dissecting Tray Dropper Funnel 4" dm & 6 dm Glass Tube Inculation Loop Insect Net Lens Paper Light Source Magnifying Glass Measuring Cylinder 100ml Microscope (Compound: 10X eye piece, 4X, 10X and 40X objectives) Microscope (Dissecting) Microscope Slide Petri Dish Pipette (10 ml) Plant Presser Plate (Glass) Potometer Preserved Specimens of representative animals Reagent Bottles 250ml Specimen Jars Stop Watch Stopper (Cork) Syringe | 4 4 4 4 Each 04 Pack 2 4 4 2 4 4 4 4 4 4 4 01 each 4 4 4 6 6 | 4 4 4 4 Each 04 Pack 2 4 4 2 4 4 4 4 4 4 02 Pack 4 4 4 4 4 4 4 6 6 6 | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 4 4 02 Pack 02 Pack 4 4 4 4 4 4 4 4 6 6 6 | 4 4 4 4 4 4 Each 04 Pack 2 4 4 4 4 4 4 4 02 Pack 4 4 4 4 4 4 4 4 4 6 6 6 |

| | T. | T. | Γ. | Τ. | T. |
|---|-----------------|----------------|----------------|------------|------------|
| 176 Thermos Flask | 4 | 4 | 4 | 4 | 4 |
| 177 Tripod Stand | 4 | 4 | 4 | 4 | 4 |
| 178 Watch Glass | 4 | 4 | 4 | 4 | 4 |
| 179 DNA | 1 | 1 | 1 | 1 | 1 |
| 180 Human Brain & Skeleton | 01 each | 01 each | 01 each | 01 each | 01 each |
| 181 Human Diaphragm and intercostals' Muscles | 1 | 1 | 1 | 1 | 1 |
| 182 Neuron | 1 | 1 | 1 | 1 | 1 |
| 183 Pitcher & Sundew Plant | 01 each | 01 each | 01 each | 01 each | 01 each |
| | Appratus/ Chemi | icals for Biol | ogy Laboratory | | |
| 184 Aquarium | 1 | 1 | 1 | 1 | 1 |
| 185 Aquarium net | 1 | 1 | 1 | 1 | 1 |
| 186 Balance | 10 | 10 | 10 | 10 | 10 |
| Beaker (50ml) | 5 each | 5 each | 5 each | 5 each | 5 each |
| 187 Beaker (100ml) | 5 each | 5 each | 5 each | 5 each | 5 each |
| Beaker (250ml) | 5 each | 5 each | 5 each | 5 each | 5 each |
| Beaker (1000ml) | 5 each | 5 each | 5 each | 5 each | 5 each |
| 188 Bell Jar | 4 Each | 4 Each | 4 Each | 4 Each | 4 Each |
| 189 UV Meter | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 190 Digital Timer | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 191 Electronic Balance | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 192 Circuit Board | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 193 Digital Tripper Output DC Power Supply | | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 194 Laser Ray Box and Lenses | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 195 Different Charts | 2 Nos each | 2 Nos each | 2 Nos each | 2 Nos each | 2 Nos each |
| 196 Resonance Tube apparatus | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 197 Logic gates set | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 198 Potoentiometer | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 199 Galvanometer | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 200 Ammeter | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 201 Soft Slinky Helical Spring | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| Apparatus for conservation of Linear 202 Momentum | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 203 Searle' Appratus | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 204 Fly wheel & Wall Brackets | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 205 Thermometer | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 206 Optical Needles | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 207 Index Needle | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 208 Drawing Board | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 209 Diffractin grating | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 210 Laser Light Source | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 211 Connecting Wires | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 212 DC Voltmeter | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 213 A bulb with tungsten filament | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 214 AC Millimeter | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 215 Diodes | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 216 Fitted wooden box | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 217 Thermistor unit | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 218 Neon Lamp | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 219 Plumb Line | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 220 Set Square | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 221 Uprights | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 222 Optical Bench | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 223 Parallalex Needle | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 224 Prisms | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 225 Newton's Ring apparatus | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 226 Spirit Level | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 227 Lens of different focal lengths | 4 Nos each | 4 Nos each | 4 Nos each | 4 Nos each | 4 Nos each |
| 228 Battery of different volts (6V) | 1 Nos each | 1 Nos each | 1 Nos each | 1 Nos each | 1 Nos each |
| 229 Rheostat | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 230 Low resistance box | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 250 EOW TOSISTATICE OUX | 11103 | 1 1 103 | 1 1 100 | 1 1 100 | 1 1 100 |

| 221 0 1 | 437 | 437 | 437 | 4 3 7 | 437 |
|---|--------------|---------------|----------------|------------|----------|
| 231 One way key | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 232 Two way key | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 233 Jokey | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 234 Compass Needle | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 235 Meter rods | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 236 Scissor | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 237 Power Supply with step-up Transformer | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 238 AC voltmeter | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 239 PNP Transistor | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 240 Photo Voltaic Cell | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 241 Photo Cell | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 242 Light Emitting Diode | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 243 Buzzer Unit | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 244 Crocodile clips (Pair) | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 245 Small Steel balls | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 246 Concave Convex Mirror set | 4 Sets | 4 Sets | 4 Sets | 4 Sets | 4 Sets |
| 247 Laser Pointer Educatio Kit | 4 Sets | 4 Sets | 4 Sets | 4 Sets | 4 Sets |
| 248 Lens Set | 4 Sets | 4 Sets | 4 Sets | 4 Sets | 4 Sets |
| 250 Piece of Chalk (Pkt) | 2 Pkts | 2 Pkts | 2 Pkts | 2 Pkts | 2 Pkts |
| Equipment/ App | ratus/ Chemi | cals for Phys | ics Laboratory | | |
| 251 Vernier Calipers, 6 inch | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 252 Solid Cylinder | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 253 Micrometer screw gauge | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 254 Wire of different diameters | 6 Nos each | 6 Nos each | 6 Nos each | 6 Nos each | 6 Nos ea |
| 255 Grave-sands apparatus | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 256 Plumb line | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 257 Slotted weight sets | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 258 Thread | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 259 Mirror Strip | 6 Nos | 6 Nos | 6 Nos | 6 Nos | 6 Nos |
| 260 Geometry box | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 261 Paper sheet | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 262 Thumb pins (Pkt) | 4 Pkts | 4 Pkts | 4 Pkts | 4 Pkts | 4 Pkts |
| 263 Ripple Tanks | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 264 Diffraction Grating Glasses Classroom set | 2 sets | 2 sets | 2 sets | 2 sets | 2 sets |
| 265 Reflecting Telescope | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 266 Iron Stand with clamp | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 267 Electricity & Magnetism Bulb Demo | 4 set | 4 set | 4 set | 4 set | 4 set |
| 268 Steel Bar Magnets | 6 Nos | 6 Nos | 6 Nos | 6 Nos | 6 Nos |
| 269 Electric Vacum Pump | 2 Nos | 2 Nos | 2 Nos | 2 Nos | 2 Nos |
| 270 Beaker Stand for Burner | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 271 Spark Timer | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 272 Simple endulum Apparatus | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 273 Stop Watches | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 274 Free Fall apparatus | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 275 Slide wire bridge | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 276 Voltmeter | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 277 AVO Meter | 4 Nos | 4 Nos | 4 Nos | 4 Nos | 4 Nos |
| 278 | 11105 | 11105 | 11105 | 11105 | 11105 |
| 279 | | | | | + |
| 280 | | | | | + |
| 281 | | | | | |
| 282 | | | | | |
| 404 | I | | | I | 1 |

Terms & Conditions:

- Complete installation and enablement of equipment and demonstrating functionality is the responsibility of the vendor.
- Completion certificate should be obtained against duly signed by the Designated Focal Person on 100% completion of work.
- Delivery schedule must be compliant within 60 days time.
- Under warranty period, replacement of equipment would be responsibility of the vendor without any additional cost.
- Specification of equipment with equivalent or higher should be given
- Third party members will do technical specifications inspections rather than procurement committee member those members who will be part of procurement will not be part of technical specifications compliance sheet.

Price Schedule Lot 1

Forms Supplier Bid Form

| From: | [Insert Supplier's name] |
|----------------------------|--|
| Supplier's Representative: | [Insert name of Supplier's Representative] |
| Title/Position: | [Insert Representatives title or position] |
| Address: | [Insert Supplier's address] |
| Email: | [Insert Supplier's email address] |

| To: | Procurement Specialist |
|-----------------------------|--|
| Purchaser's Representative: | |
| Title/Position: | Procurement Specialist |
| Address: | PCU, Project Coordination Unit (PCU), Khyaban-e-Suharwardy, Zero Point, Pakistan Manpower Building, Gate 3, Ministry of Federal Education and Professional Training (M/o FE&PT), Islamabad |
| RFP/ BIDS Ref No.: | |
| Date of BID: | |

Dear [insert name of Purchaser's Representative]:

SUBMISSION OF PROPOSAL/BIDS

1. Conformity and no reservations

In response to the above-named RFP we offer to supply the Services, as per this Proposal and in conformity with the RFP. We confirm that we have examined and have no reservations to the RFP.

2. Proposal Price

The Price Schedule is as under [insert the total price of the offer in words and figures, indicating the various amounts and the respective currencies].

| Sr | Item Name | Total | Unit Price | Total Price |
|----|--|----------|------------|-------------|
| no | item Name | Quantity | Office | |
| 1 | Printer | 24 | | |
| 2 | Multimedia Projector | 4,4 | | |
| 3 | Scanner | 12 | | |
| 4 | Computer Core 17 (branded) with LCD & other accessories, wireless LAN card etc | 15 | | |

| 5 | Computer core i5 with LCD and other accessories, wireless LAN card etc for | 143 | | |
|---|--|-----|------------------------------------|--|
| | Library | | | |
| | | | TOTAL PRICE INCLUSIVE OF ALL TAXES | |

3. Proposal Validity

Our Proposal shall be valid until the 90 days in the RFP, and it shall remain binding upon us and may be accepted at any time before it expires.

4. Not Bound to Accept

We understand that you reserve the right to

- **a.** accept or reject all Proposals and are not bound to accept the lowest evaluated cost Proposal, or any other Proposal that you may receive, and
- **b.** Annul the RFP process at any time prior to the award of the Purchase Order without incurring any liability to Suppliers.

On behalf of the Supplier:

Name of the person duly authorized to sign the Proposal on behalf of the Supplier: [insert complete name of person duly authorized to sign the Proposal]

Title of the person signing the Proposal: [insert complete title of the person signing the Proposal]

Signature of the person named above: [insert signature of person whose name and capacity are shown above]

Date signed [insert date of signing] day of [insert month], [insert year]

Price Schedule Lot 2

Forms Supplier Bid Form

| From: | [Insert Supplier's name] | | |
|----------------------------|--|--|--|
| Supplier's Representative: | [Insert name of Supplier's Representative] | | |
| Title/Position: | [Insert Representatives title or position] | | |
| Address: | [Insert Supplier's address] | | |
| Email: | [Insert Supplier's email address] | | |

| To: | Procurement Specialist |
|-----------------------------|---|
| Purchaser's Representative: | |
| | |
| Title/Position: | Procurement Specialist |
| Address: | Project Coordination Unit (PCU), Khyaban-e-Suharwardy, Zero Point, Pakistan Manpower Building, Gate 3, Ministry of Federal Education and Professional Training (M/o FE&PT), Islamabad |
| RFP/ BIDS Ref No.: | |
| Date of BID : | |

Dear [insert name of Purchaser's Representative]:

SUBMISSION OF PROPOSAL/BIDS

1. Conformity and no reservations

In response to the above-named RFP we offer to supply the Services, as per this Proposal and in conformity with the RFP. We confirm that we have examined and have no reservations to the RFP.

2. Proposal Price

The Price Schedule is as under [insert the total price of the offer in words and figures, indicating the various amounts and the respective currencies].

| Sr | Item Name | Total | Unit Price | Total Price |
|----|------------|---------|-------------|-------------|
| n | rtemiranie | Quantit | Offict fiee | |
| 1 | \ | 37 | | |
| 2 | 35 | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

| OF ALL TAX | | | TOTAL PRICE INCLUSIVE OF ALL TAX | |
|------------|--|--|-------------------------------------|--|
|------------|--|--|-------------------------------------|--|

3. Proposal Validity

Our Proposal shall be valid until the 90 days in the RFP, and it shall remain binding upon us and may be accepted at any time before it expires.

INSTRUCTION TO BIDDERS FOR LEGAL IMPLICATIONS ARISING OUT OF CONTRACT:

Firms securing in technical evaluation criteria will be shortlisted against relevant category/lot and hence referred to as 'Responsive Bids'. The shortlisted firm with lowest financial bid will be awarded the contract.

- 1. The evaluation shall be on the basis of bidder responsiveness to the Terms of criteria technical score sheet and compliance. A proposal shall be rejected at this stage if it does not respond to important aspects.
 - The Department will notify the bidding organization/ firm of the rejection of their technical proposal indicating that their financial proposal if any will be returned unopened after completing the selection process.
- 2. The Department will notify in writing to the organization/ firm(s) that passed the minimum technical score, and indicate the date, time and address for opening the financial proposal. The opening date shall not be sooner than 5 calendar days after the notification date. The notification may be sent through telephone call or email at address given for official correspondence.
- 3. On opening the financial proposal i.e., in the presence of the bidding firm(s) representatives who wish to attend, the Department will announce the names of the firm(s), their technical scores, and the amounts of their financial proposals.

i. Financial Evaluation

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

- 1. The financial proposals shall first be checked for any error of computation and arithmetic errors will be corrected.
- 2. If a bidder does not accept the correction of errors, its bid will be rejected, and its bid security may be forfeited.
- 3. Items and Services that are required but have been left out or are necessary to correct minor deviations of the proposal will be added to the total proposal price using costs taken from the highest prices from other responsive proposals for the same item and Services, or in the absence of such information, the cost will be estimated at prevailing list prices.
- 4. To evaluation / comparison of bids, total lump sum cost with all applicable taxes will be considered.

b. Lowest financial bid will be accepted for contract award.

Department Right to Accept or Reject any or All Bids

- Department 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 effected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for Department action.
- Department may terminate the Contract at any time by giving written notice to the bidder, if the bidder becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation, provided such termination will not prejudice or affect any right of action or remedy, which has, accrued or will accrue thereafter to Department.
- 3. If the bidder is unable to fulfill its obligations as mentioned in the work plan and withdraws from the project, Department shall terminate the contract by issuing a written notice and shall not be responsible to pay off any liability incurred towards the bidder and forfeit the security deposit (bid bond amount).

c. Award Criteria

- 1. Department will award the contract to the successful bidder, whose proposal has been determined to be substantially responsive and lowest quoted price.
- 2. Department will notify by fax/letter by courier, the successful bidder of its intent to enter a contract. The contract shall be executed only after all necessary management approvals have been obtained.

d. Change of Scope

At any time prior to the deadline for submission of bids, Department may, for any reason whether at its own initiative or in response to a clarification requested by a prospective Bidder, amend the Tender. Amendments will be provided in the form of Addenda to the Tender and will be sent in writing by courier, cable, facsimile, or electronic mail to all prospective Bidders that have received the Tender Document and will be binding on them. Bidders are required to immediately acknowledge receipt of any such addenda, and it will be assumed that the amendments contained in such addenda will have been taken into account by the Bidder in its bid.

In order to afford prospective bidders reasonable time in which to take the amendment into account in preparing their bids, Department may, at its own discretion, extend the deadline for submission of bids, in which case Department will notify all the bidders.

e. Liquidated Damages on Late Performance

If at any time during performance of the Contract, the bidder encounters conditions impeding timely delivery of required items/services, the Bidder shall promptly notify Department in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Firm's notice, Department shall evaluate the situation and may at its own discretion, except for cases of Force Majeure, extend the Firm's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.

Liquidated damages will be deducted from contract price as per following schedule.

- a) 1"50 days beyond agreed delivery time 0.2% per day of the total contract value
- b) 2"d 50 days beyond agreed delivery time 0.4% per day of the total contract value.

Delay beyond 100 days will result in termination of the contract by DEPARTMENT. Forfeiture of Performance Guarantee and claim additional Risks & Costs to the extent of getting the work completed by alternate vendors.

f. Fraud & Corruption

The Department requires that the procuring entities as well as bidders, suppliers, and contractors and their sub-contractors under the Department contracts, shall adhere to the highest standard of ethics during the procurement and execution of such contracts. In this context, the Purchaser; (a) defines, for the purposes of this provision, the terms set forth below as follows:

- "Corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
- b) "Fraudulent practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation.
- c) "Coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party.
- d) "Collusive practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing

Improperly the actions of another party.

- e) "Obstructive practice" means:
 - i. deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - ii. Acts intended to materially impede the exercise of the Department. Inspection and audit rights provided for under sub clause (a) below.
 - iii. will reject bid(s) if it determines that the bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question.
 - iv. Will sanction a firm or individual, including declaring ineligible, for a stated period of time, to be awarded a department. financed contract if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for, or in executing, a Department financed contract.

The Bidder shall not carry out or cause to carry out the following acts with an intention to influence the implementation of the procurement process or the procurement agreement:

- a) give or propose improper inducement directly or indirectly,
- b) distortion or misrepresentation of facts,
- c) engaging in corrupt or fraudulent practice or involving in such act,
- d) interference in participation of other competing bidders,
- e) coercion or threatening directly or indirectly to cause harm to the person or the property of any person to be involved in the procurement proceedings,
- f) collusive practice among bidders before or after submission of bids for distribution of works among bidders or fixing artificial/uncompetitive bid price with an intention to deprive the Purchaser the benefit of open competitive bid price,
- g) Contacting the Purchaser with an intention to influence the Purchaser with regards to the bids or interference of any kind in examination and evaluation of the bids during the period from the time of opening of the bids until the notification of award of contract.

ARBITRATIONS:

AS PER LEGAL CONTRACT LAW AND CONTRACT ACT

PPRA on the recommendation of the Purchaser may blacklist a Bidder for a period of one (1) to three (3) years for its conduct including the following grounds and seriousness of the act committed by the bidder:

- a) if convicted by a court of law in a criminal offence which disqualifies the Bidder from participating in the contract,
- b) if it is established that the contract agreement signed by the Bidder was based on false or misrepresentation of Bidder's qualification information,

A bidder declared blacklisted and ineligible by IT Department and PPRA, shall be ineligible to bid for a contract during the period determined by these stakeholders. The Supplier shall permit SLC to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by Department, if so required by the PPRA.

g. Conflict of Interest

General Information Form

All individual firms and/or each partner of a Joint Venture that are bidding must complete the information in this form. Nationality information should be provided for all owners or Bidders that are partnerships or individually owned firms.

Where the Bidder proposes to form a JV, the following information should also be supplied for the JV Partner(s), together with the information in Forms 4.5-4.15. Joint Ventures must also fill out Form 4.5.2a. on **stamp paper**.

- 1. Name of firm
- 2. Head office address
- 3. Telephone Contact4. Fax Telex
- S. Place of incorporation / registration Year of incorporation / registration

| Natio | nality of owners' | | | | | | |
|--------|---|-------------|--|--|--|--|--|
| Name | | Nationality | | | | | |
| | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| 5. | | | | | | | |
| firms. | To be completed by all owners of partnerships or individually o ms. | | | | | | |
| | This information may not be available from the Intensive Training Company | | | | | | |

4.1 General Information Systems Experience Record

Name of Bidder or partner of a Joint Venture:

All individual firms and all partners of a Joint Venture must complete the information in this form with regard to the management of Information Systems contracts generally. The information supplied should be the annual turnover of the Bidder (or each member of a Joint Venture), in terms of the amounts billed to clients for each year for work in progress or completed, converted to U.S. dollars at the rate of exchange at the end of the period reported. The annual periods should be calendar years, with partial accounting for the year up to the date of submission of applications. This form may be included for Subcontractors only if the Invitation to Bid clauses explicitly permit experience and resources of (certain) Subcontractors to contribute to the Bidder's qualifications.

JV and / OR sub-contractor permitted experience.

The above concept can be modified evaluation factors and responsibilities and open up more space for smaller player to big players. We need to focus on creating a situation that practically big players pay more pivotal role of training and promising of backend technical support for next two years but have less risk in joining hands with domestic or smaller players due to stringent legal framework of the origins.

A brief note on each contract should be appended, describing the nature of the Information System, duration and amount of contract, managerial arrangements, purchaser, and other relevant details.

Use a separate page for each partner of a Joint Venture, and number these pages.

Bidders should not enclose testimonials, certificates, and publicity material with their applications; they will not be taken into account in the evaluation of qualifications.

Annual turnover data (applicable activities only)

Year'

Turnover

2.

3.4.5.

Commencing with the partial year up to the date of submission of bids

Bidding Firm's Project References 4.6

[Relevant services carried out in the past that best illustrate qualifications]

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|------------------|-----------------------------------|---------------------------------------|------------------------|------|
| Assignment | | 1,06/ | 11, 166, 1.6 | • |
| Name | Basi | Countr y | EXT | |
| Name of Client: | 12ma nen | Total No Locations (List may be | deliver e attached) | У |
| Industry | 540 540 | (2.5) (3) | , accae.rea, | |
| Address: | 35 | * | | |
| Start Date | . 737, | Approx. Va | lue of Contract (ir | n |
| (Month/Year) | | currency): | | |
| Completion | | | | |
| Date | | | | |
| (Month/Year) | | | | ON |
| Items/Services S | Supplied | | Quantity | OPIN |
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4.7 Joint Venture Summary (Stamp Paper) Names of all partners of a Joint Venture

| 1.Partne | r in charge | chir pert pM |
|-----------|-------------|-------------------|
| 2. Partne | r | Basi Ext. 10 |
| 3. | Partner | TUS SELL TOO VIO. |
| 4.Partne | r | OSIGNA OSA |
| 5. | Partner | Hygreniet 70 |
| 1. Etc. | | Prochigus |

Total value of annual turnover, in terms of Information System billed to clients;

| Annual turnover data (applicable activities only; PKR) | | | | | | | |
|--|--------|---------|---------|--------|--------|--|--|
| Partner | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | | |
| | | | nir oe | A P | M | | |
| 1. Partner in | | 00 | | , 10 | | | |
| charge | | 2 0 | 16 100, | .6. | | | |
| 2. Partner | | | | | | | |
| 3. Partner | 7 | 20,0 | | | | | |
| 4. Partner | 2 | 90.70°. | 20 | | | | |
| 5. Partner | 1980 | 10 6 | | | | | |
| 6. Etc. | C | 4.00 | | | | | |
| Totals | 010 | | | | | | |

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4.8 Particular Systems rollout Experience Record

Name of Bidder or partner of a Joint Venture

On separate pages, using the format of Form 4.5, the Bidder is requested to list contracts of a similar nature, complexity, and requiring similar information technology and methodologies to the contract or contracts for which these Bidding Documents are issued, and which the Bidder has undertaken during the period. Each partner of a Joint Venture should separately provide details of its own relevant contracts. The contract value should be based on the payment currencies of the contracts converted into U.S. dollars, at the date of substantial completion, or for ongoing at the time of award.

4.9 Details of Contracts of Similar Nature and Complexity

| Name of Bidder | or p | artner | of a | Joint | Venture: |
|----------------|------|--------|------|-------|----------|
| | | | | | |

Use a separate sheet for each contract.

| 1. | Number of contract |
|-----|---|
| | Name of contract |
| | Country |
| 2. | Name of Purchaser |
| 3. | Purchaser address |
| 4. | Nature of Information Systems and special features relevant to the contract for which the Bidding Documents are issued |
| 5. | Nature of Information Systems and special features relevant to the contract for which the Bidding Documents are issued Contract role (check one) Prime Supplier Management Contractor |
| | Prime Supplier Management Contractor |
| | Subcontractor |
| | Partner in a Joint Venture |
| 6. | Amount of the total contract/subcontract/partner share (in specified currencies at completion, or |
| | at date of award for current contracts) |
| | Currency Currency Currency |
| 1. | Equivalent amount PKR |
| 0 | Total contract: PKR Subcontract: PKR, Partner share: PKR; |
| 8. | Date of award/completion |
| 9. | Contract was completed months ahead/behind original schedule (if behind, provide Explanation). |
| 10. | Contract was equivalent under/over original (if completed contract amount over, provide explanation). |
| 11. | Special contractual/technical requirements. |
| 12. | Indicate the approximate percent of total contract value (and PKR amount) of Information |
| | System undertaken by subcontract, if any, and the nature of such Information System. |
| | |

4.10 Personnel Capabilities

For specific positions essential to contract management and implementation (and/or those specified in the Bidding Documents, if any), Bidders should provide the names of at least two candidates qualified to meet the specified requirements stated for each position.

Bidders may propose alternative management and implementation arrangements requiring different key personnel, whose experience records should be provided:

Professional Staff

| | | 1/4/ | AU' M | | 6+ |
|-----------------|-------------|---------|----------------------|----------------------|----------------|
| Professional St | aff | Bash | 1 | EXX | V.: |
| Name of Staff | CNIC No. IN | Firm | Area of Expertise | Position Assigned | Task Assign |
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4.11 Summary Sheet: Current Contract Commitments / Work in Progress

NOT APPLICABLE

| Name of Bidder or partner of a Joint Venture: | |
|---|--|
|---|--|

Bidders and each partner to a Joint Venture bid should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

| | | 01, 1-1K | | * |
|----------|---------------|--------------------|------------|-----------------|
| Name of | Purchaser, | Value of | Estimated | erage monthly |
| contract | contact | outstanding | completion | invoicing over |
| | address/tel./ | Information | date | last six months |
| | fax | System | • | (PKR/month) |
| | · dy | (current | | |
| | eda | PKR equivalent) | | |
| 1. | 2 | equivalent) | | |
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4.12 Financial Capabilities

Name of Bidder or partner of a Joint Venture:

Bidders, including each partner of a Joint Venture, shall provide financial information to demonstrate that they meet the requirements stated in the Evaluation Criteria. Each Bidder or partner of a Joint Venture shall complete this form. If necessary, separate sheets shall be used to provide complete banker information. A copy of the audited balance sheets shall be attached.

Autonomous subdivisions of parent conglomerate businesses shall submit financial information related only to the particular activities of the subdivision.

| Banker | Name of banker | |
|--------|-------------------|------------------------|
| | Address of banker | |
| | 137, 190 | |
| | Telephone | Contact name and title |
| | Fax | Telex |

Summarize actual assets and liabilities in U.S. dollar equivalent (at the rates of exchange current at the end of each year) for the previous five calendar years. Based upon known commitments, summarize projected assets and liabilities in U.S. dollar equivalent for the next two calendar years, unless the withholding of such information by stock market listed public companies can be substantiated by the Bidder.

| Financial | - Actual: | <u>V</u> <u>C</u> | 0 12 | - Proiecte | d |
|----------------------|--------------------|-------------------|----------|------------|--------------|
| | / tetaan | , AMP | , ,0, | | ~·· |
| information in | 100 | 149) | MIGIC | | |
| PKR | Previous five year | ars | K | Next two | years |
| 1 | 1 10 | 3/ | | | _ |
| | 3 | 2 | _1 | 1 | 2 |
| 1. Total assets | 11 | · 63' | | | |
| | 100 | 90 | | | |
| 2. Current assets | 60. 54 | | | | |
| | 2,5 | | | | |
| 3. Total liabilities | | | | | |
| 4. Current | | | | | |
| liabilities | | | | | |
| labilities | | | | | |
| Revenue | | | | | |
| 5 5 6. 1 6 | | | | | |
| 5. Profits before | | | | | |
| taxes | | | | | |
| 6. Profits after | | | | | |
| 6. Profits after | | | | | |
| | | | | | |

| Taxes | | | |
|-------|--|--|--|

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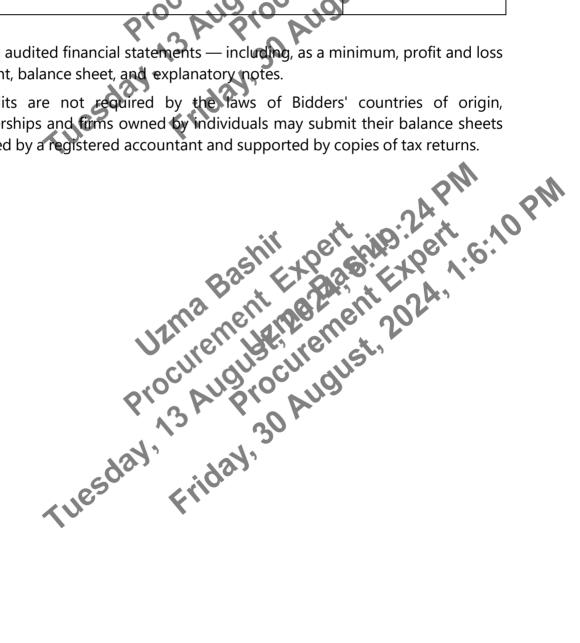
Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts.

| Source of financing | Amount |
|---------------------|--------------------|
| 30dice of financing | Aillouin |
| 1. | 23 - W B W S. W. |
| 2. | 1711 We 1414 We 50 |
| 3. | 0. "Is. Belle Br |
| 4. | 000,100,000 |

Attach audited financial statements — including, as a minimum, profit and loss

account, balance sheet, and explanatory notes.

If audits are not required by the laws of Bidders' countries of origin, partnerships and firms owned by individuals may submit their balance sheets certified by a registered accountant and supported by copies of tax returns.



4.13 Candidate Summary

| Name of Bidder: | • |
|-----------------|---|
| | |

| Position | | Candidate |
|-------------|----------------------------|------------------------------|
| | | vil eligibiel eligib |
| | 836 | Prime Alternate |
| Candidate | I Niama at candidata | Date of birth |
| information | 12/11/20 | 14 15 We 50 |
| | Name of Candidate | gr reist |
| | رن. من | - CO - AUS |
| | Professional qualification | ko ma |
| | 1,3 | -0 P |
| Present | Name of Employer | .5 |
| employment | eday iday | • |
| | Address of Employer | |
| | | |
| | Telephone | Contact (manager / personnel |
| | | officer) |
| | Fax | Telex X |
| | Job title of candidate | Years with present Employer |

Summarize professional experience over the last twenty years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

| From | То | Company/Project/Position/Relevant and management experience | technical |
|------|------|---|-----------|
| | 7118 | sday' Friday' | |

4.14 Technical Capabilities

Name of Bidder:

The Bidder shall provide adequate information to demonstrate clearly that it has the technical capability to meet the requirements for the Information System. With this form, the Bidder should summarize important certifications, proprietary methodologies, and/or specialized technologies which the Bidder proposes to utilize in the execution of the Contract or Contracts.

proprietary methodologies, and/or specialized technologies which the proposes to utilize in the execution of the Contract or Contracts. Uzma Bashir Kerthing 24 PM

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Procure ment Renent 2024. 1.6.10 PM

4.15 Litigation History

| Name of Bidder or partner of a Joint Venture |
|--|
|--|

Bidders, including each of the partners of a Joint Venture, shall provide information on any history of litigation or arbitration resulting from contracts executed in the last five years or currently under execution. A separate sheet should be used for each partner of a Joint Venture.

| Year | Award FOR | Name of client, cause of litigation, | Disputed |
|------|------------|--------------------------------------|------------------|
| | or AGAINST | and matter in dispute | amount (current |
| | Bidder | alle alle chi alle | value, |
| | | 100° 1105' 10° 1109 | US\$ equivalent) |
| | * | 300 | |
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Jesday, Friday, 30 August, 2024, 1:6:10 Pm.

DECLARATION ON OATH FOR NOT HAVING BLACK LISTING

[Name of the Seller/Supplier] hereby solemnly declares its intention not to obtain or induce the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practices.

Without limiting the generality of the foregoing, [the Seller/Supplier] 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, Vendor, 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 GoP, except that which has been expressly declared pursuant hereto.

the Seller/Supplier] 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 GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[the Seller/Supplier] 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 GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [the Seller/Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [the Seller/Suppliers] 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 GOP.

4.16 GENERAL DECLARATION

(To be filled/signed/stamped by the prospective bidder i.e. Principal and by the Local Agent on their Letter Head)

The Prospective Bidder will have to certify that:

- Their Firm / Company / Local Agent with current or any other title & style has not been involved or Mitigating in any manner or kind of litigation with Department
- Wrong declaration to above fact will be liable to legal proceeding s including but not limited to confiscation of Bid Bond / Performance Bond & Blacklisting of Firm (the Principal) and also Local Agent

| Sign / Name: |
|------------------------------|
| Principal's Name / Address: |
| |
| |
| Designation: |
| Date: Stamp: |
| |
| |
| Sign / Name: |
| Local agents Name / Address: |

5 BID SECURITY DOCUMENTS 4.1 BID SECURITY (BANK GUARANTEE)

[insert: Bank's Name, and Address of Issuing Branch or

Office] Beneficiary: [insert: Name and Address of

Purchaser]

Date: [insert: date]

BID GUARANTEE No.: [insert: Bid Guarantee Number]

We have been informed that [insert: name of the Bidder] (hereinafter called "the Bidder") has submitted to you its bid dated [insert: bid date] (hereinafter called "the Bid") for the execution of [insert: name of contract] under Invitation for Bids No. [insert: IFB number].

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee, and that the bid guarantee automatically covers any alternative bids included in the Bid, if the Bidder is permitted to offer alternatives and does so.

At the request of the Bidder, we [insert: name of Bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [insert: amount in figures] ([insert: amount in words]) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- a) has withdrawn the Bid (or any parts of it) during the period of bid validity specified by the Bidder in the Bid Submission Form or any extension of the period of bid validity which the Bidder subsequently agreed to; or
- b) having been notified of the acceptance of the Bid by you during the period of bid validity, (i) failed or refused to execute the Contract Agreement, or (ii) failed or refused to furnish the performance security, if required, in accordance with the Instructions to Bidders.

This guarantee will expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful bidder; or (ii) twenty-eight days after the expiration of the Bid's validity.

Consequently, any demand for payment under this guarantee must be received by us at

the office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

[Signature(s)]

{Note to Bidders: Instructions on amount and currency can be found in the Section 2.13. Joint Ventures need to also ensure that their Bank Guarantee meets the requirements for Joint Ventures as provided in the same section.]

4.2 <u>Performance SECURITY 10% (Performance Bank Guarantees BOND)</u>

| Issuing Authority: Date of Issuance: Date of Expiry: Claim Lodgment Date: |
|--|
| WHEREAS [Name and Address of the Contractor] (hereinafter called "the Contractor") has agreed to supply the Services and render the Services against Tender Name (hereinafter called "the Contract") for the Contract Value of PKR (in figures (in words) |
| AND WHEREAS it has been stipulated in the Tender Document that the successful Contractor shall furnish Performance Security, within ten (10) working days of the receipt of the Acceptance Letter from the Client in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per the format provided in the Tender Document to the Client, for a sum equivalent to Rs. (to 10% of the one (01) year contract value, on a yearly basis, with an undertaking to renew the Bank Guarantee before the end of each year, one month before the expiry period of the submitted bank guarantee) valid from the date of issue until all obligations have been fulfilled in accordance with the Contract AND WHEREAS [Name of the Bank] having registered office at [Address of the Bank] (hereinafter called "the Guarantor") has agreed to give the Contractor a Guarantee; |
| THEREFORE, the Guarantor hereby affirms to bind himself, his successors and his assigns to the Client, for the sum of PKR (in figures) in words) and undertakes to pay to the Client, upon receipt of his written demand(s), any sum(s) as specified by him, not exceeding the above limit in aggregate, without cavil / argument and without the Client having to substantiate / prove or to show grounds / reasons for such claim(s), on the occurrence of any / all of the following conditions: |
| 1. If the Contractor commits a default under the Contract. |
| 2. If the Contractor fails to fulfill any of the obligations under the contract. |
| 3. If the Contractor violates any of the provisions of the Contract. Provided that the Client shall specify the occurred condition(s) owing to which the said sum is due to him. Provided further that any demand(s) / claim(s) from the Client shall reach the Guarantor within thirty working days after the expiry of the Guarantee. |
| This guarantee shall remain valid up to or all obligations have been fulfilled in accordance with the Contract, whichever is earlier. Date this day of 2024 |

| GUARANTOR | |
|-------------|---|
| Signature | _ |
| CNIC # | |
| Name | |
| Designation | |
| Address | |

[Note for Bidders: Instructions on amount and currency can be found in the Section

3. US. Joint Ventures need to also ensure that their Bid Bond meets the requirements for Joint Ventures as provided in the same section.]

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