



Reform Support Unit  
Education & Literacy Department  
Government of Sindh,

## **NATIONAL COMPETITIVE BIDDING**

**For**

**Supply and Purchasing of ICT Equipment for Reform Support Unit (RSU) and Monitoring & Evaluation (M&E) Units**

**NCB No: PROC: /S-GPE/RSU-M&E/ICT/NCB (01)-2016**

**Project:** Sindh Global Partnership for Education  
**Grant ID No:** 83993-PK  
**Project ID:** P146451  
**Purchaser:** Government of Sindh  
**Beneficiary:** Education & Literacy Department

Issued on: 14<sup>th</sup> March, 2016

**Section I.**  
**Instructions to Bidder**

# Instructions to Bidders

## A. Introduction

<p><b>1. Source of Funds</b></p>	<p>1.1 The Borrower named in the Bid Data Sheet has applied for or received a loan or credit (hereinafter called “loan”) from the International Bank for Reconstruction and Development or from the International Development Association (as identified in the Bid Data Sheet and hereinafter interchangeably called “the Bank”) in various currencies equivalent to the U.S. dollar amount indicated in the Bid Data Sheet towards the cost of the Project specified in the Bid Data Sheet. The Borrower intends to apply a portion of the proceeds of this loan to eligible payments under the contract for which this Invitation for Bids is issued.</p> <p>1.2 Payment by the Bank will be made only at the request of the Borrower and upon approval by the Bank in accordance with the terms and conditions of the Loan Agreement, and will be subject in all respects to the terms and conditions of that agreement. The Loan Agreement prohibits a withdrawal from the loan account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Bank, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Borrower shall derive any rights from the Loan Agreement or have any claim to the loan proceeds.</p>
<p><b>2. Eligible Bidders</b></p>	<p>2.1 This Invitation for Bids is open to all suppliers from eligible source countries as defined in <i>Guidelines: Procurement under IBRD Loans and IDA Credits</i>, dated January 1995, hereinafter referred as the <i>IBRD Guidelines for Procurement</i>, except as provided hereinafter.</p> <p>2.2 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 Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.</p> <p>2.3 Government-owned enterprises in the Purchaser’s country may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Purchaser.</p>

	2.4 Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Bank in accordance with sub-cause 34.1.
<b>3. Eligible Goods and Services</b>	<p>3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, defined in the <i>IBRD Guidelines for Procurement</i>, and all expenditures made under the contract will be limited to such goods and services.</p> <p>3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.</p> <p>3.3 The origin of goods and services is distinct from the nationality of the Bidder.</p>
<b>4. Cost of Bidding</b>	4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser named in the Bid Data Sheet, hereinafter referred to as “the Purchaser,” will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

### **B. The Bidding Documents**

<b>5. Content of Bidding Documents</b>	<p>5.1 The goods required, bidding procedures, and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:</p> <ul style="list-style-type: none"> <li>(a) Instructions to Bidders (ITB)</li> <li>(b) Bid Data Sheet</li> <li>(c) General Conditions of Contract (GCC)</li> <li>(d) Special Conditions of Contract (SCC)</li> <li>(e) Schedule of Requirements</li> <li>(f) Technical Specifications</li> <li>(g) Bid Form and Price Schedules</li> <li>(h) Bid Security Form</li> <li>(i) Contract Form</li> <li>(j) Performance Security Form</li> <li>(k) Bank Guarantee for Advance Payment Form</li> <li>(l) Manufacturer’s Authorization Form</li> </ul>
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	<p>5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.</p>
<p><b>6. Clarification of Bidding Documents</b></p>	<p>6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Purchaser in writing or by cable (hereinafter, the term <i>cable</i> is deemed to include telex and facsimile) at the Purchaser's address indicated in ITB Clause 19.1. The Purchaser will respond in writing to any request for clarification of the bidding documents which it receives no later than twenty (20) days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Purchaser's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective bidders that have received the bidding documents.</p>
<p><b>7. Amendment of Bidding Documents</b></p>	<p>7.1 At any time prior to the deadline for submission of bids, the Purchaser, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by amendment.</p> <p>7.2 All prospective bidders that have received the bidding documents will be notified of the amendment in writing or by cable, and will be bidding on them.</p> <p>7.3 In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.</p>

### C. Preparation of Bids

<p><b>8. Language of Bid</b></p>	<p>8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in the language specified in the Bid Data Sheet. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the Bid Data Sheet, in which case, for purposes of interpretation of the Bid, the translation shall govern.</p>
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<p><b>9. Documents Comprising the Bid</b></p>	<p>9.1 The bid prepared by the Bidder shall comprise the following components:</p> <ul style="list-style-type: none"> <li>(a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;</li> <li>(b) documentary evidence established in accordance with ITB Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;</li> <li>(c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and</li> <li>(d) bid security furnished in accordance with ITB Clause 15.</li> </ul>
<p><b>10. Bid Form</b></p>	<p>10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, and their country of origin, quantity, and prices.</p>
<p><b>11. Bid Prices</b></p>	<p>11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.</p> <p>11.2 Prices indicated on the Price Schedule shall be delivered duty paid (DDP) prices. The price of other (incidental) services, if any, listed in the Bid Data Sheet will be entered separately.</p> <p>11.3 The term DDP (Delivered Duty Paid), shall be governed by the rules prescribed in the current edition of <i>Incoterms</i> published by the International Chamber of Commerce, Paris.</p> <p>11.4 The Bidder's separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser's right to contract on any of the terms offered.</p> <p>11.5 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 Sheet. A bid submitted with an adjustable price quotation will be treated as</p>

	<p>nonresponsive and will be rejected, pursuant to ITB Clause 24. 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.</p>
<b>12. Bid Currencies</b>	12.1 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.
<b>13. Documents Establishing Bidder's Eligibility and Qualification</b>	<p>13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.</p> <p>13.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Purchaser's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.</p> <p>13.3 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:</p> <ul style="list-style-type: none"> <li>(a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Purchaser's country;</li> <li>(b) that the Bidder has the financial, technical, and production capability necessary to perform the contract;</li> <li>(c) that, in the case of a Bidder not doing business within the Purchaser's country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped, and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and</li> <li>(d) that the Bidder meets the qualification criteria listed in the Bid Data Sheet.</li> </ul>
<b>14. Documents Establishing</b>	14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the

<p><b>Goods’ Eligibility and Conformity to Bidding Documents</b></p>	<p>bidding documents of all goods and services which the Bidder proposes to supply under the contract.</p> <p>14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.</p> <p>14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:</p> <ul style="list-style-type: none"> <li>(a) a detailed description of the essential technical and performance characteristics of the goods;</li> <li>(b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the Bid Data Sheet, following commencement of the use of the goods by the Purchaser; and</li> <li>(c) an item-by-item commentary on the Purchaser’s Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.</li> </ul> <p>14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Purchaser in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser’s satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.</p>
<p><b>15. Bid Security</b></p>	<p>15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security in the amount specified in the Bid Data Sheet.</p> <p>15.2 The bid security is required to protect the Purchaser against the risk of Bidder’s conduct which would warrant the security’s</p>



	<p>forfeiture, pursuant to ITB Clause 15.7.</p> <p>15.3 The bid security shall be in Pak. Rupees and shall be in one of the following forms:</p> <ul style="list-style-type: none"> <li>(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Purchaser’s country, in the form provided in the bidding documents or another form acceptable to the Purchaser and valid for thirty (30) days beyond the validity of the bid; or</li> <li>(b) a cashier’s or certified check.</li> <li>(c) irrevocable encashable on-demand Bank call-deposit.</li> </ul> <p>15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Purchaser as nonresponsive, pursuant to ITB Clause 24.</p> <p>15.5 Unsuccessful bidders’ bid security will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Purchaser pursuant to ITB Clause 16.</p> <p>15.6 The successful Bidder’s bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 32, and furnishing the performance security, pursuant to ITB Clause 33.</p> <p>15.7 The bid security may be forfeited:</p> <ul style="list-style-type: none"> <li>(a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or</li> <li>(b) in the case of a successful Bidder, if the Bidder fails: <ul style="list-style-type: none"> <li>(i) to sign the contract in accordance with ITB Clause 32;</li> <li><b>or</b></li> <li>(ii) to furnish performance security in accordance with ITB Clause 33.</li> </ul> </li> </ul>
<p><b>16. Period of Validity of Bids</b></p>	<p>16.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Purchaser, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.</p> <p>16.2 In exceptional circumstances, the Purchaser may solicit the Bidder’s consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (or by</p>

	<p>cable). The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in ITB Clause 16.3.</p> <p>16.3 In the case of fixed price contracts, if the award is delayed by a period exceeding sixty (60) days beyond the expiry of the initial bid validity, the contract price will be adjusted by a factor specified in the request for extension.</p>
<p><b>17. Format and Signing of Bid</b></p>	<p>17.1 The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each “ORIGINAL BID” and “COPY OF BID,” as appropriate. In the event of any discrepancy between them, the original shall govern.</p> <p>17.2 The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.</p> <p>17.3 Any interlineation, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.</p> <p>17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.</p>

**D. Submission of Bids**

<p><b>18. Sealing and Marking of Bids</b></p>	<p>18.1 The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” The envelopes shall then be sealed in an outer envelope.</p> <p>18.2 The inner and outer envelopes shall:</p> <ul style="list-style-type: none"> <li>(a) be addressed to the Purchaser at the address given in the Bid Data Sheet; and</li> <li>(b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the</li> </ul>
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	<p>Bid Data Sheet, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the Bid Data Sheet, pursuant to ITB Clause 2.2.</p> <p>18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late”.</p> <p>18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Purchaser will assume no responsibility for the bid’s misplacement or premature opening.</p>
<p><b>19. Deadline for Submission of Bids</b></p>	<p>19.1 Bids must be received by the Purchaser at the address specified under ITB Clause 18.2 no later than the time and date specified in the Bid Data Sheet.</p> <p>19.2 The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and obligations of the Purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.</p>
<p><b>20. Late Bids</b></p>	<p>20.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.</p>
<p><b>21. Modification and Withdrawal of Bids</b></p>	<p>21.1 The Bidder may modify or withdraw its bid after the bid’s submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Purchaser prior to the deadline prescribed for submission of bids.</p> <p>21.2 The Bidder’s modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. A withdrawal notice may also be sent by cable, but followed by a signed confirmation copy, postmarked not later than the deadline for submission of bids.</p> <p>21.3 No bid may be modified after the deadline for submission of bids.</p> <p>21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder’s forfeiture of</p>

	its bid security, pursuant to the ITB Clause 15.7.
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**E. Opening and Evaluation of Bids**

<b>22. Opening of Bids by the Purchaser</b>	<p>22.1 The Purchaser will open all bids in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register evidencing their attendance.</p> <p>22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.</p> <p>22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the bidders.</p> <p>22.4 The Purchaser will prepare minutes of the bid opening.</p>
<b>23. Clarification of Bids</b>	<p>23.1 During evaluation of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.</p>
<b>24. Preliminary Examination</b>	<p>24.1 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.</p> <p>24.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a</p>

	<p>discrepancy between words and figures, the amount in words will prevail.</p> <p>24.3 The Purchaser may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.</p> <p>24.4 Prior to the detailed evaluation, pursuant to ITB Clause 25 the Purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, <b>such as</b> those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 30), and Taxes and Duties (GCC Clause 32), will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.</p> <p>24.5 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity.</p>
<p><b>25. Evaluation and Comparison of Bids</b></p>	<p>25.1 The Purchaser will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.</p> <p>25.2 The Purchaser's evaluation of a bid will be on delivered duty paid (DDP) price inclusive of prevailing duties and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.</p> <p>25.3 The Purchaser's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the Bid Data Sheet, and quantified in ITB Clause 25.4:</p> <ul style="list-style-type: none"> <li>(a) incidental costs</li> <li>(b) delivery schedule offered in the bid;</li> <li>(c) deviations in payment schedule from that specified in the Special Conditions of Contract;</li> </ul>

- (d) the cost of components, mandatory spare parts, and service;
- (e) the availability in the Purchaser's country of spare parts and after-sales services for the equipment offered in the bid;
- (f) the projected operating and maintenance costs during the life of the equipment;
- (g) the performance and productivity of the equipment offered; and/or
- (h) other specific criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.

25.4 For factors retained in the Bid Data Sheet pursuant to ITB 25.3, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:

- (a) Incidental costs provided by the bidder will be added by Purchaser to the delivered duty paid (DDP) price at the final destination.
- (b) *Delivery schedule.*
  - (i) The Purchaser requires that the goods under the Invitation for Bids shall be delivered at the time specified in the Schedule of Requirements which will be treated as the base, a delivery "adjustment" will be calculated for bids by applying a percentage, specified in the Bid Data Sheet, of the DDP price for each week of delay beyond the base, and this will be added to the bid price for evaluation. No credit shall be given to early delivery.
  - or**
  - (ii) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as nonresponsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.

**or**

	<p>(iii) The goods covered under this invitation are required to be delivered in partial shipments, as specified in the Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price a factor equal to a percentage, specified in the Bid Data Sheet, of DDP price per week of variation from the specified delivery schedule.</p> <p>(c) <i>Deviation in payment schedule.</i></p> <p>(i) Bidders shall state their bid price for the payment schedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Purchaser may consider the alternative payment schedule offered by the selected Bidder.</p> <p><b>or</b></p> <p>(ii) The SCC stipulate the payment schedule offered by the Purchaser. If a bid deviates from the schedule and if such deviation is considered acceptable to the Purchaser, the bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the bid as compared with those stipulated in this invitation, at the rate per annum specified in the Bid Data Sheet.</p> <p>(d) <i>Cost of spare parts.</i></p> <p>(i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the Bid Data Sheet, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.</p> <p><b>or</b></p> <p>(ii) The Purchaser will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the Bid Data Sheet. The total cost of these items and quantities will be computed from spare parts unit prices submitted by</p>
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the Bidder and added to the bid price.

**or**

(iii) The Purchaser will estimate the cost of spare parts usage in the initial period of operation specified in the Bid Data Sheet, based on information furnished by each Bidder, as well as on past experience of the Purchaser or other purchasers in similar situations. Such costs shall be added to the bid price for evaluation.

(e) *Spare parts and after sales service facilities in the Purchaser's country.*

The cost to the Purchaser of establishing the minimum service facilities and parts inventories, as outlined in the Bid Data Sheet or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

(f) *Operating and maintenance costs.*

Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the Bid Data Sheet or in the Technical Specifications.

(g) *Performance and productivity of the equipment.*

(i) Bidders shall state the guaranteed performance or efficiency in response to the Technical Specification. For each drop in the performance or efficiency below the norm of 100, an adjustment for an amount specified in the Bid Data Sheet will be added to the bid price, representing the capitalized cost of additional operating costs over the life of the plant, using the methodology specified in the Bid Data Sheet or in the Technical Specifications.

**or**

(ii) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid, and adjustment will be added to the bid price using the



	<p>methodology specified in the Bid Data Sheet or in the Technical Specifications.</p> <p>(h) <i>Specific additional criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.</i></p> <p>The relevant evaluation method shall be detailed in the Bid Data Sheet and/or in the Technical Specifications.</p>												
<p><b>Alternative</b></p>	<p>25.4 Merit Point System:</p> <p>The following merit point system for weighing evaluation factors can be applied if none of the evaluation methods listed in 25.4 above has been retained in the Bid Data Sheet. The number of points allocated to each factor shall be specified in the Bid Data Sheet.</p> <p><i>[In the Bid Data Sheet, choose from the range of]</i></p> <table data-bbox="594 911 1432 1129"> <tr> <td>Evaluated price of the goods</td> <td>60 to 90</td> </tr> <tr> <td>Cost of common list spare parts</td> <td>0 to 20</td> </tr> <tr> <td>Technical features, and maintenance and operating costs</td> <td>0 to 20</td> </tr> <tr> <td>Availability of service and spare parts</td> <td>0 to 20</td> </tr> <tr> <td>Standardization</td> <td>0 to 20</td> </tr> <tr> <td>Total</td> <td>100</td> </tr> </table> <p>The bid scoring the highest number of points will be deemed to be the lowest evaluated bid.</p>	Evaluated price of the goods	60 to 90	Cost of common list spare parts	0 to 20	Technical features, and maintenance and operating costs	0 to 20	Availability of service and spare parts	0 to 20	Standardization	0 to 20	Total	100
Evaluated price of the goods	60 to 90												
Cost of common list spare parts	0 to 20												
Technical features, and maintenance and operating costs	0 to 20												
Availability of service and spare parts	0 to 20												
Standardization	0 to 20												
Total	100												
<p><b>26. Contacting the Purchaser</b></p>	<p>26.1 Subject to ITB Clause 23, no Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Purchaser, it should do so in writing.</p> <p>26.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.</p>												

## F. Award of Contract

<p><b>27. Post-qualification</b></p>	<p>27.1 In the absence of prequalification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.</p> <p>27.2 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 ITB Clause 13.3, as well as such other information as the Purchaser deems necessary and appropriate.</p> <p>27.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.</p>
<p><b>28. Award Criteria</b></p>	<p>28.1 Subject to ITB Clause 30, the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.</p>
<p><b>29. Purchaser's Right to Vary Quantities at Time of Award</b></p>	<p>29.1 The Purchaser reserves the right at the time of contract award to increase or decrease, by the percentage indicated in the Bid Data Sheet, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.</p>
<p><b>30. Purchaser's Right to Accept any Bid and to Reject any or All Bids</b></p>	<p>30.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Purchaser's action.</p>
<p><b>31. Notification of Award</b></p>	<p>31.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder in writing by registered letter or by cable, to be confirmed in writing by registered letter, that its bid has been accepted.</p>

	<p>31.2 The notification of award will constitute the formation of the Contract.</p> <p>31.3 Upon the successful Bidder’s furnishing of the performance security pursuant to ITB Clause 33, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 15.</p>
<p><b>32. Signing of Contract</b></p>	<p>32.1 At the same time as the Purchaser notifies the successful Bidder that its bid has been accepted, the Purchaser will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.</p> <p>32.2 Within thirty (30) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Purchaser.</p>
<p><b>33 Performance Security</b></p>	<p>33.1 Within twenty (20) days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Purchaser.</p> <p>33.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated Bidder or call for new bids.</p>
<p><b>34. Corrupt or Fraudulent Practices</b></p>	<p>34.1 The Bank requires that Borrowers (including beneficiaries of Bank loans), as well as Bidders/Suppliers/Contractors under Bank-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Bank:</p> <p>(a) defines, for the purposes of this provision, the terms set forth below as follows:</p> <p>(i) “corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and</p>

	<ul style="list-style-type: none"><li>(ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;</li> <li>(b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;</li> <li>(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Bank-financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Bank-financed contract.</li></ul> <p>34.2 Furthermore, Bidders shall be aware of the provision stated in sub-clause 5.4 and sub-clause 24.1 of the General Conditions of Contract.</p>
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**Section II.**  
**General Conditions of Contract**

## General Conditions of Contract

<b>1. Definitions</b>	<p>1.1 In this Contract, the following terms shall be interpreted as indicated:</p> <ul style="list-style-type: none"><li>(a) “The Contract” means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.</li><li>(b) “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.</li><li>(c) “The Goods” means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract.</li><li>(d) “The Services” means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.</li><li>(e) “GCC” means the General Conditions of Contract contained in this section.</li><li>(f) “SCC” means the Special Conditions of Contract.</li><li>(g) “The Purchaser” means the organization purchasing the Goods, as named in SCC.</li><li>(h) “The Purchaser’s country” is the country named in SCC.</li><li>(i) “The Supplier” means the individual or firm supplying the Goods and Services under this Contract.</li><li>(j) “The World Bank” means the International Bank for Reconstruction and Development (IBRD) or the International Development Association (IDA).</li></ul>
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	<p>(k) “The Project Site,” where applicable, means the place or places named in SCC.</p> <p>(l) “Day” means calendar day.</p>
<b>2. Application</b>	2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.
<b>3. Country of Origin</b>	<p>3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules of the World Bank, as further elaborated in the SCC.</p> <p>3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.</p> <p>3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.</p>
<b>4. Standards</b>	4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution.
<b>5. Use of Contract Documents and Information; Inspection and Audit by the Bank</b>	<p>5.1 The Supplier shall not, without the Purchaser’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.</p> <p>5.2 The Supplier shall not, without the Purchaser’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.</p> <p>5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and</p>

	<p>shall be returned (all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.</p> <p>5.4 The Supplier shall permit the Bank to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Bank, if so required by the Bank.</p>
<b>6. Patent Rights</b>	<p>6.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Purchaser's country.</p>
<b>7. Performance Security</b>	<p>7.1 Within twenty (20) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Purchaser the performance security in the amount specified in SCC.</p> <p>7.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.</p> <p>7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Purchaser and shall be in one of the following forms:</p> <p>(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Purchaser's country, in the form provided in the bidding documents or another form acceptable to the Purchaser; or</p> <p>(b) a cashier's or certified check.</p> <p>7.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.</p>
<b>8. Inspections and Tests</b>	<p>8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. SCC and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, in</p>



	<p>a timely manner, of the identity of any representatives retained for these purposes.</p> <p>8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.</p> <p>8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.</p> <p>8.4 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Purchaser's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods' shipment from the country of origin.</p> <p>8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.</p>
<b>9. Packing</b>	<p>9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.</p> <p>9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Purchaser.</p>
<b>10. Delivery and Documents</b>	<p>10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to</p>

	<p>be furnished by the Supplier are specified in SCC.</p> <p>10.2 For purposes of the Contract, DDP trade term used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of <i>Incoterms</i> published by the International Chamber of Commerce, Paris.</p> <p>10.3 Documents to be submitted by the Supplier are specified in SCC.</p>
<b>11. Insurance</b>	<p>11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers responsibility.</p>
<b>12. Transportation</b>	<p>12.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination within the Purchaser's country, transport to such place of destination in the Purchaser's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.</p>
<b>13. Incidental Services</b>	<p>13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:</p> <ul style="list-style-type: none"> <li>(a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>(b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>(c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>(d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>(e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</li> </ul> <p>13.2 Prices charged by the Supplier for incidental services, if not</p>

	<p>included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.</p>
<p><b>14. Spare Parts</b></p>	<p>14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <ul style="list-style-type: none"> <li>(a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and</li> <li>(b) in the event of termination of production of the spare parts: <ul style="list-style-type: none"> <li>(i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and</li> <li>(ii) following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.</li> </ul> </li> </ul>
<p><b>15. Warranty</b></p>	<p>15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.</p> <p>15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.</p>

	<p>15.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.</p> <p>15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser.</p> <p>15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.</p>
<b>16. Payment</b>	<p>16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.</p> <p>16.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.</p> <p>16.3 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.</p> <p>16.4 The currency of payment payment is Pak. Rupees.</p>
<b>17. Prices</b>	<p>17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Purchaser's request for bid validity extension, as the case may be.</p>
<b>18. Change Orders</b>	<p>18.1 The Purchaser may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:</p> <ul style="list-style-type: none"> <li>(a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;</li> <li>(b) the method of shipment or packing;</li> <li>(c) the place of delivery; and/or</li> </ul>

	<p>(d) The Services to be provided by the Supplier.</p> <p>18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.</p>
<b>19. Contract Amendments</b>	19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
<b>20. Assignment</b>	20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent.
<b>21. Subcontracts</b>	<p>21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.</p> <p>21.2 Subcontracts must comply with the provisions of GCC Clause 3.</p>
<b>22. Delays in the Supplier's Performance</b>	<p>22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.</p> <p>22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.</p> <p>22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages</p>

	<p>pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.</p>
<p><b>23. Liquidated Damages</b></p>	<p>23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24.</p>
<p><b>24. Termination for Default</b></p>	<p>24.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:</p> <ul style="list-style-type: none"> <li>(a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or</li> <li>(b) if the Supplier fails to perform any other obligation(s) under the Contract.</li> <li>(c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.</li> </ul> <p>For the purpose of this clause:</p> <p>“Corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.</p> <p>“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the</p>

	<p style="text-align: center;">benefits of free and open competition.</p> <p>24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.</p>
<p><b>25. Force Majeure</b></p>	<p>25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.</p> <p>25.2 For purposes of this clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.</p> <p>25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.</p>
<p><b>26. Termination for Insolvency</b></p>	<p>26.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.</p>
<p><b>27. Termination for Convenience</b></p>	<p>27.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser’s convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes</p>

	<p>effective.</p> <p>27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:</p> <p>(a) to have any portion completed and delivered at the Contract terms and prices; and/or</p> <p>(b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.</p>
<b>28. Resolution of Disputes</b>	<p>28.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.</p> <p>28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed and/or arbitration.</p>
<b>29. Governing Language</b>	<p>29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.</p>
<b>30. Applicable Law</b>	<p>30.1 The Contract shall be interpreted in accordance with the laws of the Purchaser's country, unless otherwise specified in SCC.</p>
<b>31. Notices</b>	<p>31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.</p> <p>31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.</p>



<b>32. Taxes and Duties</b>	32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
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**Section III  
Bid Data Sheet**

## Bid Data Sheet

<p>The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB) Part One. Whenever there is a conflict, the provisions herein shall prevail over those in ITB.</p>	
<p><b>Introduction</b></p>	
ITB 1.1	The Borrower is: <i>Education &amp; Literacy Department, Government of Sindh</i>
ITB 1.1	Grant ID No: <i>83993-PK</i> Project ID: <i>P146451</i> . Grant amount is: <i>US\$ 66 MILLION</i>
ITB 1.1	Name of Project: <i>Sindh-Global Partnership for Education (S-GPE)</i>
ITB 1.1	Name of Contract: <i>Supply and Purchasing of ICT Equipment for Reform Support Unit (RSU) and Monitoring &amp; Evaluation (M&amp;E) Units of Sindh. IFB # PROC:/S-GPE/RSU-M&amp;E/ICT/NCB (01)-2016</i>
ITB 2.1	“Procurement of Goods, works and non-consulting Services under IBRD Loans and IDA credits” dated January 2011.
ITB 4.1	The name of Purchaser is: <i>Monitoring &amp; Evaluation Units through Reform Support Unit, Education &amp; Literacy Department, Government of Sindh</i>
ITB 6.1	Clarification may be requested not later than <b>14 days</b> before the submission date For <b>Clarification of bid purposes</b> only, the Purchaser’s address is: Attention: <i>Mr. Irshad Hussain (Procurement &amp; Contract Management Officer)</i>  <i>Mr. Sikander Ali Mangi (Market Analyst/Inventory Manager)</i> Address: <i>Banglow # 47-E/1, Street# 48, PECHS-6, Shahrach-e-Faisal, Karachi, Sindh.</i> Telephone: <i>+92-21-34320252</i> E-mail: <i><a href="mailto:Irshad.siddiqui393@yahoo.com">Irshad.siddiqui393@yahoo.com</a></i> <i><a href="mailto:sikandermangi@gmail.com">sikandermangi@gmail.com</a></i>
ITB 8.1	The language of the bid is: <i>English</i> . All correspondence exchange shall be in <i>English</i> language. Language for translation of supporting documents and printed literature is: <i>English</i>
<p><b>Bid Price and Currency</b></p>	
ITB 11.2	The price quoted shall be <i>Delivered Duty Paid Price (DDP) in Pak Rupees vide Annexure in Schedule of Requirement including all taxes, duties and other costs incidental to the delivery of Goods at final destinations</i>
ITB 11.5	The price shall be: <i>Fixed</i>

<b>Preparation and Submission of Bids</b>	
<b>ITB 13.3 (d)</b>	<p>Qualification requirements.</p> <ol style="list-style-type: none"> <li><i>1. The offered brands should be latest and in current production for a minimum of six (06) months duly supported with relevant brochure/booklet etc.</i></li> <li><i>2. The Supplier or Manufacturer must have at least five (05) years' experience in supply of required ICT equipment.</i></li> <li><i>3. If an agent submits on behalf of more than one manufacturer, each such bid must be accompanied by a separate bid form for each bid and a bid security for each bid and authorization from the respective manufacturer, otherwise such bids will be rejected as non-responsive.</i></li> <li><i>4. In case of agents, manufacturer's authorization should be directly from the respective manufacturer.</i></li> <li><i>5. The bidder(s) must submit National Tax No. Sales Tax No. Certificates &amp; Income Tax Clearance Certificate on the last income Tax returns.</i></li> </ol>
<b>ITB 14.3 (b)</b>	Spare parts required for: <i>2 of years of operation.</i>
<b>ITB 15.1</b>	Amount of bid security <i>in shape of pay order / demand draft</i> is:

LOT NO.	SNO.	ITEMS DESCRIPTION	BID SECURITY AMOUNT
Lot 1	Lot 1.1	Laptop Ci7	2%
	Lot 1.2	Laptop Ci5	
	Lot 1.3	Desktop i5+18.5"LED+8.1 OS (OEM)	
Lot 2	Lot 2.1	Scanner Type I	2%
	Lot 2.2	Scanner Type II	
	Lot 2.3	Scanner Type III	
Lot 3	Lot 3.1	Printer Type I	2%
	Lot 3.2	Printer Type II	
	Lot 3.3	Printer Type III	
	Lot 3.4	Color Printer	
	Lot 3.5	Toner For Printer Type I	
	Lot 3.6	Toner For Printer Type II	
	Lot 3.7	Toner For Printer Type III	
	Lot 3.8	Toner For Color Printer	
Lot 4	Lot 4.1	UPS 650 VA	2%
Lot 5	Lot 5.1	Color Photo Copier Machine with DADF	2%
	Lot 5.2	Drum For Color Photo Copier Machine	
	Lot 5.3	Toner For Photo Color Copier Machine	
Lot 6	Lot 6.1	DSLR Camera	2%
	Lot 6.2	Digital Cameras	
Lot 7	Lot 7.1	Telephone Exchange System	2%
	Lot 7.2	Telephone Sets	
Lot 8	Lot 8.1	Fax Machine	2%
	Lot 8.2	Drum For Fax Machine	
	Lot 8.3	Toner For Fax Machine	
Lot 9	Lot 9.1	Multimedia Projector	2%
	Lot 9.2	Projector Screen	
	Lot 9.3	Slide Presenter	
Lot 10	Lot 10.1	L3 Network Core Switch	2%
	Lot 10.2	L3 Network PoE Switch	
	Lot 10.3	L3 Network Access Switch	
Lot 11	Lot 11.1	Portable Drive (1TB)	2%
	Lot 11.2	USB Flash Drive (16 GB)	

ITB 16.1	Bid validity period: <i>The period of bid validity shall be 90 days after the deadline for bid submission specified in the bidding data sheet.</i>
ITB 17.1	Number of copies: <i>One (01) original with one (01) copy.</i>
ITB 18.2 (a)	<p>Address for bid submission: For bid submission purposes only, the Purchaser's address is:  Attention: <i>Mr. Faisal Uqaili (Chief Program Manager)</i>  <i>Reform Support Unit</i>  <i>Education &amp; Literacy Department</i>  <i>Government of Sindh</i></p> <p>Address: <i>Banglow # 47-E/1, Street# 48, PECHS-6, Shahrah-e-Faisal, Karachi, Sindh.</i>  Telephone: <i>+92-21-34320252</i>  Fax: <i>+92-21-34320251</i>  E-mail address: <a href="mailto:faisal100@hotmail.com"><i>faisal100@hotmail.com</i></a></p>
ITB 18.2 (b)	IFB title and number: <i>Supply and Purchasing of ICT Equipment for Reform Support Unit (RSU) and Monitoring &amp; Evaluation (M&amp;E) Units of Sindh. IFB # PROC:/S-GPE/RSU-M&amp;E/ICT/NCB (01)-2016</i>
ITB 19.1	<p>The deadline for bid submission is:  Date: <i>Monday 11<sup>th</sup> April, 2016</i>  Time: <i>15:00hrs PST</i></p> <p><i>In case the specified deadline for bid submission is declared a holiday by the Government, the bids shall be submitted at the specified time on the next working day.</i></p> <p>Bidders <b>shall not</b> have the option of submitting their bids electronically.</p>
ITB 22.1	<p>Time, date, and place for bid opening:  Address:  <i>Reform Support Unit</i>  <i>Education &amp; Literacy Department</i>  <i>Government of Sindh</i>  <i>Banglow # 47-E/1, Street# 48, PECHS-6, Shahrah-e-Faisal, Karachi, Sindh.</i></p> <p>Date <i>Monday 11 April, 2016</i>  Time: <i>15:30hrs PST.</i></p> <p><i>The bids shall be opened immediately after the bid submission deadline at the same place of bid submission.</i>  <i>In case the specified date of bid opening will be declared a holiday for the purchaser, the bids shall be opened at the specified time on the next working day.</i></p> <p>Pre-bid meeting will be held at 15:00 PST (Local Time) on <b>Thursday 24<sup>th</sup> March, 2016</b> at the Board Room of Reform Support Unit Office.</p>
<b>Bid Evaluation</b>	
ITB 25.3	Criteria for bid evaluation: <i>“Lowest Evaluated Responsive Bidder on each of lot at Delivered Duty Paid (DDP) price basis”. The details of destination for physical delivery of goods are given in schedule of requirement.</i>

<b>Contract Award</b>	
<b>ITB 29.1</b>	Percentage for quantity increase or decrease. <i>The maximum percentage by which quantities may be increased is: 20%</i> <i>The maximum percentage by which quantities may be decreased is: 20%</i>

**Section IV**  
**Special Conditions of Contract**

## Special Conditions of Contract

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

### 1. Definitions (GCC Clause 1)

GCC 1.1 (g)—*The Purchaser is: Sindh Global Partnership for Education (S-GPE), through Reform Support Unit, Education & Literacy Department, Government of Sindh.*

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

GCC 1.1 (j)—The Project Site is: *As specified in delivery schedule.*

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

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

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

A Performance Security shall be an amount equal to ten (10) percentage of the contract price. Performance Security shall be submitted within 07 days of the date of the notification of award.

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

The following inspections and tests shall be performed on receipt of Goods:

- Visual inspection;
- Verification that the items are new and unused
- Confirmation of brand offered and its serial and part number
- Inspection for any physical damage;

Any other test to ensure that the goods supplied are as per technical specification i.e. Brand confirmation, online verification of parts and model number original manufacturer etc.

### 5. Packing (GCC Clause 9)

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

The Supplier shall deliver the goods in scratch less condition with all the manufacturer supplied accessories. Neither the goods nor any accessories shall be acceptable in CKD (Completely Knocked Down) or SKD (Semi Knocked Down) condition.

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

All ICT equipment should be delivered as per specified in delivery schedule on DDP basis.

*Sample provision (DDP terms)*



GCC 10.3—upon shipment, the Supplier shall notify the Purchaser the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document. The Supplier shall mail the following documents to the Purchaser:

- (i) Copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) Copies of the packing list identifying contents of each package;
- (iii) Insurance certificate;
- (iv) Manufacturer's or Supplier's warranty certificate;
- (v) Inspection certificate, issued by the nominated inspection agency, and the Supplier's factory inspection report; and
- (vi) Certificate of origin.

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

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

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

GCC 13.1—Incidental services to be provided are: N/A

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

GCC 14.1—Additional spare parts requirements are:

GCC 14.1—Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other spare parts and components shall be supplied as promptly as possible, but in any case within six (6) months of placing the order and opening the letter of credit.

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

GCC 15.2- Standard warranty for 12 months

GCC 15.4 & 15.5-The period for correction of defects in the warranty period is: **Thirty (30) days.**

**11. Payment (GCC Clause 16 )**

***Sample provision***

GCC 16.1— The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

**Payment for Goods supplied:**

Payment shall be made in Pak. Rupees in the following manner:

- (vii) On Delivery: Eighty percent of the Contract Price of the goods shall be paid on receipt of goods and upon submission of the documents specified in GCC Clause 8 and Clause 10 above;

- (viii) On Final Acceptance: the remaining twenty percent of the Contract Price of the goods shall be paid within 30 days after the date of the Acceptance Certificate issued by the Purchaser's representative (or ultimate consignee's representative) for the respective delivery and commissioning of the equipment.

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

*Sample provision*

GCC 17.1- Prices shall be fixed.

**13. Liquidated Damages**

GCC 23.1- Applicable rate

Maximum deduction: **The Liquidated damages for the whole of the works are 0.1 percent per day. The maximum amount of liquidated damages for the whole works is 10 percent of the final contract price.**

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

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

In the case of a dispute between the Purchaser and the Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Islamic Republic of Pakistan

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

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

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

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

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

**17. Notices (GCC Clause 31)**

GCC 31.1—Purchaser's address for notice purposes:

Attention: Mr. Faisal Uqaili (Chief Program Manager)  
Reform Support Unit  
Education & Literacy Department  
Government of Sindh

Address: Banglow # 47-E/1, Street# 48, PECHS-6, Shahrah-e-Faisal, Karachi, Sindh

Telephone: +92-21-34320252

Fax: +92-21-34320251

E-mail address: [faisal100@hotmail.com/](mailto:faisal100@hotmail.com)

**Section V**  
**Schedule of Requirements**



### Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery required.

Lot No.	SNO.	Items Description	Qty.	Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder]
Lot 1	Lot 1.1	Laptop Ci7	07	As specified in delivery schedule	4 weeks after signing the contract	6 weeks after signing the contract	
	Lot 1.2	Laptop Ci5	30	- do -	- do -	- do -	
	Lot 1.3	Desktop i5+18.5"LED+8.1 OS (OEM)	72	- do -	- do -	- do -	
Lot 2	Lot 2.1	Scanner Type I	17	- do -	- do -	- do -	
	Lot 2.2	Scanner Type II	04	- do -	- do -	- do -	
	Lot 2.3	Scanner Type III	04	- do -	- do -	- do -	
Lot 3	Lot 3.1	Printer Type I	02	- do -	- do -	- do -	
	Lot 3.2	Printer Type II	32	- do -	- do -	- do -	
	Lot 3.3	Printer Type III	04	- do -	- do -	- do -	
	Lot 3.4	Color Printer	03	- do -	- do -	- do -	
	Lot 3.5	Toner For Printer Type I	04	- do -	- do -	- do -	
	Lot 3.6	Toner For Printer Type II	79	- do -	- do -	- do -	
	Lot 3.7	Toner For Printer Type III	08	- do -	- do -	- do -	
	Lot 3.8	Toner For Color Printer	06	- do -	- do -	- do -	
Lot 4	Lot 4.1	UPS 650 VA	80	- do -	- do -	- do -	
Lot 5	Lot 5.1	Color Photo Copier Machine with DADF	02	- do -	- do -	- do -	
	Lot 5.2	Drum For Color Photo Copier Machine	02	- do -	- do -	- do -	

	Lot 5.3	Toner For Photo Color Copier Machine	04	- do -	- do -	- do -	
Lot 6	Lot 6.1	DSLR Camera	02	- do -	- do -	- do -	
	Lot 6.2	Digital Cameras	77	- do -	- do -	- do -	
Lot 7	Lot 7.1	Telephone Exchange System	01	- do -	- do -	- do -	
	Lot 7.2	Telephone Sets	25	- do -	- do -	- do -	
Lot 8	Lot 8.1	Fax Machine	27	- do -	- do -	- do -	
	Lot 8.2	Drum For Fax Machine	27	- do -	- do -	- do -	
	Lot 8.3	Toner For Fax Machine	54	- do -	- do -	- do -	
Lot 9	Lot 9.1	Multimedia Projector	01	- do -	- do -	- do -	
	Lot 9.2	Projector Screen	01	- do -	- do -	- do -	
	Lot 9.3	Slide Presenter	01	- do -	- do -	- do -	
Lot 10	Lot 10.1	L3 Network Core Switch	02	- do -	- do -	- do -	
	Lot 10.2	L3 Network PoE Switch	01	- do -	- do -	- do -	
	Lot 10.3	L3 Network Access Switch	06	- do -	- do -	- do -	
Lot 11	Lot 11.1	Portable Drive (1TB)	37	- do -	- do -	- do -	
	Lot 11.2	USB Flash Drive (16 GB)	80	- do -	- do -	- do -	

**LOCATION OF CONSIGNEES IN SINDH FOR LOT 1**

Lot 1	Lot 1.1	Laptop Ci7	07
	Lot 1.2	Laptop Ci5	30
	Lot 1.3	Desktop i5+18.5"LED+8.1 OS (OEM)	72

Sno.	Consignee's Address	Items wise Distribution		
		Laptop Ci7	Laptop Ci5	Desktop i5+18.5"LED+8.1 OS (OEM)
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	0	10	20
2	Premises#7, Sasi Town, Karachi (Head Office)	07	05	07
3	Additional Deputy Commissioner-I Office, Karachi Central	0	01	03
4	Deputy Commissioner Office, near Civic Center, Karachi East	0	01	03
5	Assistant Commissioner Malir, Karachi	0	01	03
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	0	01	03
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	0	01	03
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	0	01	03
9	Mukhtiarkar Office Talka Kamber	0	01	03
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	0	01	03
11	Commissioner Office Larkana	0	01	03
12	Deputy Commissioner Office Sanghar	0	01	03
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	0	01	03
14	Deputy Commissioner Office, Umarkot.	0	01	03
15	Deputy Commissioner Office, Mirpurkhas.	0	01	03
16	Deputy Commissioner Office, Shaheed Benazirabad.	0	01	03
17	Additional Deputy Commissioner-II Office, Nausheroferoze	0	01	03
<b>TOTAL</b>		<b>07</b>	<b>30</b>	<b>72</b>

**LOCATION OF CONSIGNEES IN SINDH FOR LOT 2**

Lot 2	Lot 2.1	Scanner Type I	17
	Lot 2.2	Scanner Type II	04
	Lot 2.3	Scanner Type III	04

Sno.	Consignee's Address	Items wise Distribution		
		Scanner Type I	Scanner Type II	Scanner Type III
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	0	04	0
2	Premises#7, Sasi Town, Karachi (Head Office)	02	0	04
3	Additional Deputy Commissioner-I Office, Karachi Central	01	0	0
4	Deputy Commissioner Office, near Civic Center, Karachi East	01	0	0
5	Assistant Commissioner Malir, Karachi	01	0	0
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	01	0	0
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	01	0	0
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	01	0	0
9	Mukhtiarkar Office Talka Kamber	01	0	0
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	01	0	0
11	Commissioner Office Larkana	01	0	0
12	Deputy Commissioner Office Sanghar	01	0	0
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	01	0	0
14	Deputy Commissioner Office, Umarkot.	01	0	0
15	Deputy Commissioner Office, Mirpurkhas.	01	0	0
16	Deputy Commissioner Office, Shaheed Benazirabad.	01	0	0
17	Additional Deputy Commissioner-II Office, Nausheroferoze	01	0	0
<b>TOTAL</b>		<b>17</b>	<b>04</b>	<b>04</b>



**LOCATION OF CONSIGNEES IN SINDH FOR LOT 3**

Lot 3	Lot 3.1	Printer Type I	02
	Lot 3.2	Printer Type II	32
	Lot 3.3	Printer Type III	04
	Lot 3.4	Color Printer	03
	Lot 3.5	Toner For Printer Type I	04
	Lot 3.6	Toner For Printer Type II	79
	Lot 3.7	Toner For Printer Type III	08
	Lot 3.8	Toner For Color Printer	06

Sno.	Consignee's Address	Items wise Distribution							
		Printer Type I	Printer Type II	Printer Type III	Color Printer	Toner For Printer Type I	Toner For Printer Type II	Toner For Printer Type III	Toner For Color Printer
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	02	10	0	02	4	35	0	04
2	Premises#7, Sasi Town, Karachi (Head Office)	0	07	04	01	0	44	08	02
3	Additional Deputy Commissioner-I Office, Karachi Central	0	01	0	0	0	0	0	0
4	Deputy Commissioner Office, near Civic Center, Karachi East	0	01	0	0	0	0	0	0
5	Assistant Commissioner Malir, Karachi	0	01	0	0	0	0	0	0
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	0	01	0	0	0	0	0	0
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	0	01	0	0	0	0	0	0
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	0	01	0	0	0	0	0	0
9	Mukhtiarkar Office Talika Kamber	0	01	0	0	0	0	0	0
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	0	01	0	0	0	0	0	0
11	Commissioner Office Larkana	0	01	0	0	0	0	0	0
12	Deputy Commissioner Office Sanghar	0	01	0	0	0	0	0	0
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	0	01	0	0	0	0	0	0
14	Deputy Commissioner Office, Umarnkot.	0	01	0	0	0	0	0	0
15	Deputy Commissioner Office, Mirpurkhas.	0	01	0	0	0	0	0	0
16	Deputy Commissioner Office, Shaheed Benazirabad.	0	01	0	0	0	0	0	0
17	Additional Deputy Commissioner-II Office, Nausheroferoze	0	01	0	0	0	0	0	0
<b>TOTAL</b>		<b>02</b>	<b>32</b>	<b>04</b>	<b>03</b>	<b>04</b>	<b>79</b>	<b>08</b>	<b>06</b>

**LOCATION OF CONSIGNEES IN SINDH FOR LOT 4**

Lot 4	Lot 4.1	UPS 650 VA	80
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<b>Sno.</b>	<b>Consignee's Address</b>	<b>UPS 650 VA</b>
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	28
2	Premises#7, Sasi Town, Karachi (Head Office)	07
3	Additional Deputy Commissioner-I Office, Karachi Central	03
4	Deputy Commissioner Office, near Civic Center, Karachi East	03
5	Assistant Commissioner Malir, Karachi	03
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	03
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	03
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	03
9	Mukhtiarkar Office Talka Kamber	03
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	03
11	Commissioner Office Larkana	03
12	Deputy Commissioner Office Sanghar	03
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	03
14	Deputy Commissioner Office, Umarkot.	03
15	Deputy Commissioner Office, Mirpurkhas.	03
16	Deputy Commissioner Office, Shaheed Benazirabad.	03
17	Additional Deputy Commissioner-II Office, Nausheroferoze	03
<b>TOTAL</b>		<b>80</b>

**LOCATION OF CONSIGNEES IN SINDH FOR LOT 5**

Lot 5	Lot 5.1	Color Photo Copier Machine with DADF	02
	Lot 5.2	Drum For Color Photo Copier Machine	02
	Lot 5.3	Toner For Photo Color Copier Machine	04

Sno.	Consignee's Address	Items wise Distribution		
		Color Copier Machine with DADF	Photo with Copier Machine	Toner For Color Photo Copier Machine
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	02	02	04
2	Premises#7, Sasi Town, Karachi (Head Office)	0	0	0
3	Additional Deputy Commissioner-I Office, Karachi Central	0	0	0
4	Deputy Commissioner Office, near Civic Center, Karachi East	0	0	0
5	Assistant Commissioner Malir, Karachi	0	0	0
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	0	0	0
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	0	0	0
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	0	0	0
9	Mukhtiarkar Office Talka Kamber	0	0	0
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	0	0	0
11	Commissioner Office Larkana	0	0	0
12	Deputy Commissioner Office Sanghar	0	0	0
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	0	0	0
14	Deputy Commissioner Office, Umarkot.	0	0	0
15	Deputy Commissioner Office, Mirpurkhas.	0	0	0
16	Deputy Commissioner Office, Shaheed Benazirabad.	0	0	0
17	Additional Deputy Commissioner-II Office, Nausheroferoze	0	0	0
<b>TOTAL</b>		<b>02</b>	<b>02</b>	<b>04</b>

**LOCATION OF CONSIGNEES IN SINDH FOR LOT 6**

Lot 6	Lot 6.1	DSLR Camera	02
	Lot 6.2	Digital Cameras	77

Sno.	Consignee's Address	Items wise Distribution	
		DSLR Camera	Digital Cameras
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	02	60
2	Premises#7, Sasi Town, Karachi (Head Office)	0	02
3	Additional Deputy Commissioner-I Office, Karachi Central	0	01
4	Deputy Commissioner Office, near Civic Center, Karachi East	0	01
5	Assistant Commissioner Malir, Karachi	0	01
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	0	01
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	0	01
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	0	01
9	Mukhtiarkar Office Talka Kamber	0	01
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	0	01
11	Commissioner Office Larkana	0	01
12	Deputy Commissioner Office Sanghar	0	01
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	0	01
14	Deputy Commissioner Office, Umarkot.	0	01
15	Deputy Commissioner Office, Mirpurkhas.	0	01
16	Deputy Commissioner Office, Shaheed Benazirabad.	0	01
17	Additional Deputy Commissioner-II Office, Nausheroferoze	0	01
<b>TOTAL</b>		<b>02</b>	<b>77</b>

**LOCATION OF CONSIGNEES IN SINDH FOR LOT 7**

Lot 7	Lot 7.1	Telephone Exchange System	01
	Lot 7.2	Telephone Sets	25

Sno.	Consignee's Address	Items wise Distribution	
		Telephone Exchange System	Telephone Sets
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	0	15
2	Premises#7, Sasi Town, Karachi (Head Office)	01	10
3	Additional Deputy Commissioner-I Office, Karachi Central	0	0
4	Deputy Commissioner Office, near Civic Center, Karachi East	0	0
5	Assistant Commissioner Malir, Karachi	0	0
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	0	0
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	0	0
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	0	0
9	Mukhtiarkar Office Talka Kamber	0	0
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	0	0
11	Commissioner Office Larkana	0	0
12	Deputy Commissioner Office Sanghar	0	0
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	0	0
14	Deputy Commissioner Office, Umarkot.	0	0
15	Deputy Commissioner Office, Mirpurkhas.	0	0
16	Deputy Commissioner Office, Shaheed Benazirabad.	0	0
17	Additional Deputy Commissioner-II Office, Nausheroferoze	0	0
TOTAL		01	25

**LOCATION OF CONSIGNEES IN SINDH FOR LOT 8**

Lot 8	Lot 8.1	Fax Machine	27
	Lot 8.2	Drum For Fax Machine	27
	Lot 8.3	Toner For Fax Machine	54

Sno.	Consignee's Address	Items wise Distribution		
		Fax Machine	Drum For Fax Machine	Toner For Fax Machine
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	10	10	20
2	Premises#7, Sasi Town, Karachi (Head Office)	02	17	34
3	Additional Deputy Commissioner-I Office, Karachi Central	01	0	0
4	Deputy Commissioner Office, near Civic Center, Karachi East	01	0	0
5	Assistant Commissioner Malir, Karachi	01	0	0
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	01	0	0
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	01	0	0
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	01	0	0
9	Mukhtiarkar Office Talka Kamber	01	0	0
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	01	0	0
11	Commissioner Office Larkana	01	0	0
12	Deputy Commissioner Office Sanghar	01	0	0
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	01	0	0
14	Deputy Commissioner Office, Umarkot.	01	0	0
15	Deputy Commissioner Office, Mirpurkhas.	01	0	0
16	Deputy Commissioner Office, Shaheed Benazirabad.	01	0	0
17	Additional Deputy Commissioner-II Office, Nausheroferoze	01	0	0
<b>TOTAL</b>		<b>27</b>	<b>27</b>	<b>54</b>

**LOCATION OF CONSIGNEES IN SINDH FOR LOT 9**

Lot 9	Lot 9.1	Multimedia Projector	01
	Lot 9.2	Projector Screen	01
	Lot 9.3	Slide Presenter	01

Sno.	Consignee's Address	Items wise Distribution		
		Multimedia Projector	Projector Screen	Slide Presenter
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	0	0	0
2	Premises#7, Sasi Town, Karachi (Head Office)	01	01	01
3	Additional Deputy Commissioner-I Office, Karachi Central	0	0	0
4	Deputy Commissioner Office, near Civic Center, Karachi East	0	0	0
5	Assistant Commissioner Malir, Karachi	0	0	0
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	0	0	0
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	0	0	0
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	0	0	0
9	Mukhtiarkar Office Taluka Kamber	0	0	0
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	0	0	0
11	Commissioner Office Larkana	0	0	0
12	Deputy Commissioner Office Sanghar	0	0	0
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	0	0	0
14	Deputy Commissioner Office, Umarkot.	0	0	0
15	Deputy Commissioner Office, Mirpurkhas.	0	0	0
16	Deputy Commissioner Office, Shaheed Benazirabad.	0	0	0
17	Additional Deputy Commissioner-II Office, Nausheroferoze	0	0	0
<b>TOTAL</b>		<b>01</b>	<b>01</b>	<b>01</b>

**LOCATION OF CONSIGNEES IN SINDH FOR LOT 10**

Lot 10	Lot 10.1	L3 Network Core Switch	02
	Lot 10.2	L3 Network PoE Switch	01
	Lot 10.3	L3 Network Access Switch	06

Sno.	Consignee's Address	Items wise Distribution		
		L3 Network Core Switch	L3 Network PoE Switch	L3 Network Access Switch
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	02	01	06
2	Premises#7, Sasi Town, Karachi (Head Office)	0	0	0
3	Additional Deputy Commissioner-I Office, Karachi Central	0	0	0
4	Deputy Commissioner Office, near Civic Center, Karachi East	0	0	0
5	Assistant Commissioner Malir, Karachi	0	0	0
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	0	0	0
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	0	0	0
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	0	0	0
9	Mukhtiarkar Office Talka Kamber	0	0	0
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	0	0	0
11	Commissioner Office Larkana	0	0	0
12	Deputy Commissioner Office Sanghar	0	0	0
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	0	0	0
14	Deputy Commissioner Office, Umarkot.	0	0	0
15	Deputy Commissioner Office, Mirpurkhas.	0	0	0
16	Deputy Commissioner Office, Shaheed Benazirabad.	0	0	0
17	Additional Deputy Commissioner-II Office, Nausheroferoze	0	0	0
<b>TOTAL</b>		<b>02</b>	<b>01</b>	<b>06</b>



**LOCATION OF CONSIGNEES IN SINDH FOR LOT 11**

Lot 11	Lot 11.1	Portable Drive (1TB)	37
	Lot 11.2	USB Flash Drive (16 GB)	80

Sno.	Consignee's Address	Items wise Distribution	
		Portable Drive (1TB)	USB Flash Drive (16 GB)
1	Reform Support Unit, 47-E/1, Street#48, PECHS-6, Shara-e-Faisal Karachi	10	23
2	Premises#7, Sasi Town, Karachi (Head Office)	12	12
3	Additional Deputy Commissioner-I Office, Karachi Central	01	03
4	Deputy Commissioner Office, near Civic Center, Karachi East	01	03
5	Assistant Commissioner Malir, Karachi	01	03
6	Deputy Commissioner Office (Old Election Office), Jaccobabad	01	03
7	Deputy Commissioner Office, Shahbaz Building Hyderabad	01	03
8	Assistant Commissioner Office, near Muhammad Bin Qasim Park Sukkur	01	03
9	Mukhtiarkar Office Talka Kamber	01	03
10	1 <sup>st</sup> Floor, Deputy Commissioner Office Dadu	01	03
11	Commissioner Office Larkana	01	03
12	Deputy Commissioner Office Sanghar	01	03
13	Near NADRA Office, Begum Nusrat Secretariat, Khairpur Mirs	01	03
14	Deputy Commissioner Office, Umarkot.	01	03
15	Deputy Commissioner Office, Mirpurkhas.	01	03
16	Deputy Commissioner Office, Shaheed Benazirabad.	01	03
17	Additional Deputy Commissioner-II Office, Nausheroferoze	01	03
TOTAL		37	80

**Section VI**  
**Technical Specifications**

<b>TECHNICAL SPECIFICATIONS: LOT 1</b>			
Lot 1.1		Ci7 LAPTOPS	
QUANTITY		07	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
Make	(Specify)		
Model	(Specify)		
Manufacturers literature	(Specify)		
Generation	5 <sup>th</sup> Generation (Latest)		
Processor Type	Intel Core i7 5XXXU		
Processor Speed	Min 2.4GHz		
Processor Bits	64-Bits		
Processor Threads	4		
No of Cores	2		
L3 Cache	3 MB		
Type of RAM	DDR3L - 1600 (Transfer rates up to 1600 MT/s)		
No. of Slots	Two SODIMM slots supporting dual-channel memory		
Installed RAM	4GB SODIMMs		
Maximum Memory	Upgradeable to 16384 MB with optional 8192 MB SODIMMs in slots 1 and 2		
Type of memory	DDR3		
Hard drive size	500GB (5400 rpm SMART SATA HDD)		
Solid State Drive	120 GB M.2 Solid State Drive		
Optical Drive (Fixed 9.5 mm)	Blu-ray ROM DVD+/-RW Super Multi DL Drive		
Internal Display	15.6" diagonal LED-backlit HD anti-glare (1366 x 768)		
External Display	Up to 32-bit per pixel colour depth		
VGA Port	VGA Port supports resolutions up to 2048x1536 external resolution @ 50 Hz		
HDMI Port	HDMI port supports direct connection to high-		

	definition displays with up to 1920 x 1200@60Hz resolution and 7-channel audio		
Wireless LAN (WLAN)	Intel Dual Band Wireless-AC 802.11 a/b/g/n/ac (2x2) Wi-Fi with Bluetooth 4.0 or Equivalent		
Communication	10/100/1000 Ethernet Controller		
Audio/Multimedia	<ul style="list-style-type: none"> <li>• Integrated stereo speakers</li> <li>• Function keys for microphone mute, volume up, and volume down</li> </ul>		
Webcam	<ul style="list-style-type: none"> <li>• HD format (widescreen)</li> <li>• Supports videoconferencing (non-HD) and still image capture</li> <li>• High quality fixed focus lens</li> <li>• Video capture at various resolutions up to 1280x720 resolution (720p) and up to 30fps</li> <li>• M-JPEG compression supports higher frame rates for video capture and videoconferencing</li> <li>• Improved low light sensitivity</li> <li>• Improved dynamic range</li> <li>• Skype-ready</li> </ul>		
Finger Print	Yes		
Power Supply	<ul style="list-style-type: none"> <li>• 45 W Smart AC Adopter</li> <li>• Power cord included is 1.0m (+/- 0.1m)</li> </ul>		
Primary Battery	4-cell (44 W-Hr) Lithium-Ion battery		
Ports/Slots	<ul style="list-style-type: none"> <li>• USB 3.0 – Two</li> <li>• USB 2.0 – Two</li> <li>• HDMI 1.4a – One</li> <li>• Headphone/Microphone Combo Jack – One</li> <li>• RJ-45 (Ethernet) – One</li> <li>• Power connector – One</li> <li>• VGA - One</li> </ul>		
Digital Media Slots	Multi Media Reader Slot supporting SD, SDHC, and SDXC		
Operating system (OEM)	Windows 8.1 pro (64-bits) (OEM)		
Carrying Bag	According to the suggested model		

<b>TECHNICAL SPECIFICATIONS: LOT 1</b>			
Lot 1.2		CORE i5 LAPTOPS	
QUANTITY		30 UNITS	
Bidder's response column must be filled either yes or no.			
Bidders must attach technical literature for item quoted			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
Make	(Specify)		
Model	(Specify)		
Manufacturers literature	(Specify)		
Generation	5 <sup>th</sup> Generation (Latest)		
Processor Type	Intel Core i5 5XXXU		
Processor Speed	Min 2.4GHz		
Processor Bits	64-Bits		
Processor Threads	4		
No of Cores	2		
L3 Cache	3 MB		
Type of RAM	DDR3L - 1600 (Transfer rates up to 1600 MT/s)		
No. of Slots	Two SODIMM slots supporting dual-channel memory		
Installed RAM	4GB SODIMMs		
Maximum Memory	Upgradeable to 16384 MB with optional 8192 MB SODIMMs in slots 1 and 2		
Type of memory	DDR3		
Hard drive size	500GB (5400 rpm SMART SATA HDD)		
Optical Drive (Fixed 9.5 mm)	Blu-ray ROM DVD+/-RW Super Multi DL Drive		
Internal Display	15.6" diagonal LED-backlit HD anti-glare (1366 x 768)		
External Display	Up to 32-bit per pixel colour depth		
VGA Port	VGA Port supports resolutions up to 2048x1536 external resolution 50 Hz		
HDMI Port	HDMI port supports direct connection to high-definition displays with up to 1920 x 1200@60Hz resolution and 7-channel audio		

Wireless LAN (WLAN)	Intel Dual Band Wireless-AC 802.11 a/b/g/n/ac (2x2) Wi-Fi with Bluetooth 4.0 or Equivalent		
Communication	10/100/1000 Ethernet Controller		
Audio/Multimedia	<ul style="list-style-type: none"> <li>• Integrated stereo speakers</li> <li>• Function keys for microphone mute, volume up, and volume down</li> </ul>		
Webcam	<ul style="list-style-type: none"> <li>• HD format (widescreen)</li> <li>• Supports videoconferencing (non-HD) and still image capture</li> <li>• High quality fixed focus lens</li> <li>• Video capture at various resolutions up to 1280x720 resolution (720p) and up to 30fps</li> <li>• M-JPEG compression supports higher frame rates for video capture and videoconferencing</li> <li>• Improved low light sensitivity</li> <li>• Improved dynamic range</li> <li>• Skype-ready</li> </ul>		
Finger Print	Yes		
Power Supply	<ul style="list-style-type: none"> <li>• 45 W Smart AC Adopter</li> <li>• Power cord included is 1.0m (+/- 0.1m)</li> </ul>		
Primary Battery	4-cell (44 W-Hr) Lithium-Ion battery		
Ports/Slots	<ul style="list-style-type: none"> <li>• USB 3.0 – Two</li> <li>• USB 2.0 – Two</li> <li>• HDMI 1.4a – One</li> <li>• Headphone/Microphone Combo Jack – One</li> <li>• RJ-45 (Ethernet) – One</li> <li>• Power connector – One</li> <li>• VGA - One</li> </ul>		
Digital Media Slots	Multi Media Reader Slot supporting SD, SDHC, and SDXC		
Operating system (OEM)	Windows 8.1 pro (64-bits) (OEM)		
Carrying Bag	According to the suggested model		

<b>TECHNICAL SPECIFICATIONS: LOT 1</b>			
Lot 1.3		DESKTOP COMPUTERS	
QUANTITY		72 UNITS	
Bidder's response column must be filled either yes or no.			
Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Processor Family	Intel Core i5 or equivalent		
Processor	Intel Core i5-4XXX with Intel HD Graphics 4600 or Equivalent		
Chipset	Intel Q8X Series or Higher		
Form Factor	Micro Tower		
Processor Speed	Min 2.4GHz		
Processor Computing Bit	64-Bits		
Maximum CPU Quantity	1		
Processor Threads	8		
No of Cores	2		
L3 Cache	6 MB		
Installed RAM	4GB Single Module		
Maximum memory:	Up to 32 GB		
Technology	DDR3- 1600 SDRAM - non-ECC		
Memory Slot	2 or 4 UDIMM		
Memory Speed	1066 MHz		
Form Factor	DIMM 240-pin		
Features	Un buffered		
Internal Drive Bays	One 2.5" & One 3.5"		
External Drive Bay	One ODD		
Hard Drive Type	HDD		
Hard Drive Size	1x500 GB		
Interface Type	SATA 6 Gb/s		
Spindle Speed	7200 rpm		
Optical Drive	SATA Super Multi DVD writer		
Graphics Controller Type	Integrated Intel HD Graphic 4600 or Equivalent		

	<ul style="list-style-type: none"> <li>• USB 3.0</li> <li>• USB 2.0</li> <li>• PS/2 (keyboard and mouse)</li> <li>• 1 RJ-45</li> <li>• 1VGA</li> <li>• 2 microphone</li> <li>• 1 audio line in</li> <li>• 1 audio line out</li> <li>• 1 headphone</li> </ul>		
Expansion Slots	<ul style="list-style-type: none"> <li>• 1 full-height PCIe x1</li> <li>• 1 full-height PCIe x16</li> <li>• 1 PCI</li> </ul>		
Audio	Microphone and headphone front ports (3.5 mm), line-out and line-in rear ports (3.5 mm), internal speaker		
Networking Type	Integrated		
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet		
Wireless/Wi-Fi	802.11 a/b/g/n PCI Card or Built-in		
Nominal Voltage	AC 120/230 V ( 50/60 Hz )		
Power Provided	300 Watt Standard Efficiency.		
Card Reader Slot	SD or MMC Card Reader Slot		
Mouse			
Keyboard			
OS Provided	Microsoft Windows 8.1 Pro 64-bit (OEM)		
Monitor Type	18.5 inches LED		



<b>TECHNICAL SPECIFICATIONS: LOT 2</b>			
Lot 2.1		SCANNER TYPE I	
QUANTITY		17 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Scanner Type	Flatbed scanner – Desktop		
Interface Type	USB 2.0 (Hi-speed) Type-B		
Scanning Mode	Color		
Gray scale Depth	8- bits (256 gray levels)		
Color Depth	48-bits color		
Optical Resolutions	2400 dpi x 2400 dpi		
Simplex Scanning Speed	8 ppm		
Fastest Scanning Speed	7 sec/ page		
Slowest Scanning Speed	24 sec / page		
Sensor Type	CCD (Charge Coupled Device)		
Light Source	Xenon gas fluorescent lamp		
Maximum Scanning Width	8.5 inch		
Maximum Scanning Height	14 inch		
Minimum enlargement	10 %		
Maximum enlargement	2000 %		
Feeder Capacity	50 sheets		
Document Sizes	A5 (5.8 inch x 8.3 inch), A6 (4.1 inch x 5.8 inch), Legal, Letter		
Out Put Formats	BMP,FPX,GIF, HTML, JPG, PCX,PDF, PDF searchable, PNG, RTF, IFF, TIFF, (compressed), TXT		
Features	Auto Scanning Mode, Automatic Document Feeder, Double Side Scanning, Duplex.		

## TECHNICAL SPECIFICATIONS: LOT 2

Lot 2.2	SCANNER TYPE II
QUANTITY	04 UNITS

Bidder's response column must be filled either yes or no.  
 Bidders must attach technical literature for item quoted.

### RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Scanner Type	Flatbed scanner – Desktop		
Interface Type	USB 2.0 (Hi-speed) Type-B		
Scanning Mode	Color		
Gray scale Depth	8- bits (256 gray levels)		
Color Depth	48-bits color		
Optical Resolutions	2400 dpi x 2400 dpi		
Simplex Scanning Speed	15 ppm		
Fastest Scanning Speed	7 sec/ page		
Slowest Scanning Speed	24 sec / page		
Sensor Type	CCD (Charge Coupled Device)		
Light Source	Xenon gas fluorescent lamp		
Maximum Scanning Width	8.5 inch		
Maximum Scanning Height	14 inch		
Minimum enlargement	10 %		
Maximum enlargement	2000 %		
Feeder Capacity	50 sheets		
Document Sizes	A5 (5.8 inch x 8.3 inch), A6 (4.1 inch x 5.8 inch), Legal, Letter		
Out Put Formats	BMP,FPX,GIF, HTML, JPG, PCX,PDF, PDF searchable, PNG, RTF, IFF, TIFF, (compressed), TXT		
Features	Auto Scanning Mode, Automatic Document Feeder, Double Side Scanning, Duplex.		

<b>TECHNICAL SPECIFICATIONS: LOT 2</b>			
Lot 2.3		SCANNER TYPE III	
QUANTITY		04 UNITS	
Bidder's response column must be filled either yes or no.			
Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Scanner Type	Flatbed		
Colour Scanning	Yes		
Preview Speed	Up to 8.5 seconds		
Scan Resolution (Optical)	Up to 2400 dpi		
Scan Resolution (Hardware)	Up to 2400x4800 dpi		
Scan Resolution (Enhanced)	Up to 19200 dpi		
Duty Cycle	26000 scan minimum life time or more		
Bit Depth	48-bits		
Level of Greyscale	256		
Lamp Life	15000 hours or more		
Scan Speed	10 x 15 cm (4 x 6-in) color photo (600 dpi) is about 20 sec 216 x 279 mm (8.5 x 11) page (300 dpi) is about 15 sec		
Supported Sizes	Minimum size: 0.25 x 0.25 mm (0.01 x 0.01 in) Maximum size: 215.9 x 297.2 mm (8.5 x 11.7 in)		
Media Types	Paper (plain, inkjet, photo, newsprint, magazine articles)		
Scan File Format	BMP, JPEG, GIF, TIFF, TIFF Compressed, PNG, PCX, Flash Pix (FPX), PDF, PDF searchable, RTF, HTM, TXT; Mac: TIFF, PICT, JPEG, GIF, Flash Pix, Plain Text, PDF, HTML, Rich Text		
Connectivity, Standard	1 Hi speed USB 2.0		
Power Consumptions	2.5 watts (maximum), 0.5 watts (standby), 0.0125 watts (manual-off)		
Operating Temperature Range	10° to 35° C (50° to 95° F)		
Operating Humidity Range	15 to 80% RH (non-condensing)		

**TECHNICAL SPECIFICATIONS: LOT 3**

Lot 3.1 PRINTER TYPE I

QUANTITY 02 UNITS

Bidder's response column must be filled either yes or no.

Bidders must attach technical literature for item quoted.

**RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS**

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Print Technology	Laser		
Printer Type	Network		
Print Option	Duplex Automatic		
Print Speed (B/W)	Up to 35 ppm - A4		
Print first page out (Black)	8 sec		
Print quality (Black)	1200 x1200 dpi (Dot per inch)		
Monthly Duty Cycle (A4)	Up to 650,00 pages or more		
Processor Speed	750 MHz or More processor		
e-Print Capability	Yes		
Connectivity, Standard	1 Hi-Speed USB 2.0, 1 Ethernet 10/100/1000T network		
Memory Standard	256 MB or More		
Paper Handling Input	Up to 350 sheets Standard (Tray 1: 100-sheets, Tray 2: 250-sheets)		
Paper Handling Output	Up to 250 Sheets		
Media Size Supported	A4; A3; B4 (JIS); B5 (JIS); A5; 16K		
Power	220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz)		
Power Consumption	680 watts (printing), 11 watts (ready), 2.5 watts (sleep), 0.2 watts (off)		
Operating Temperature Range	15 to 32.5°C		
Operating Humidity Range	30 to 70% RH		

### TECHNICAL SPECIFICATIONS: LOT 3

Lot 3.2	PRINTER TYPE II
QUANTITY	32

Bidder's response column must be filled either yes or no.  
 Bidders must attach technical literature for item quoted.

#### RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Print Technology	Laser		
Printer Type	Network		
Print Option	Duplex Automatic		
Print Speed	Black Up to 35 ppm - A4		
Print first page out (Black)	8 sec		
Print quality (Black)	1200 x1200 dpi (Dot per inch)		
Monthly Duty Cycle (A4)	50,000 pages or more		
Processor Speed	800 MHz or More processor		
e-Print Capability	Yes		
Connectivity, Standard	1 Hi-Speed USB 2.0, 1 Ethernet 10/100/1000T network		
Memory Standard	256 MB or More		
Paper Handling Input	50-sheet multipurpose tray 1 250-sheet input tray 2		
Paper Handling Output Capacity	Up to 150 Sheets		
Paper Tray(s), Maximum	2 or more		
Media Size Supported	Letter, legal, executive, 8.5 x 13 in		
Power	110-volt input voltage: 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz)		
Power Consumption	570 watts (Printing), 7.3 watts (Ready), 1.68 watts (Sleep), 0.1 watts (Off)		
Operating Temperature Range	15 to 32.5°C		
Operating Humidity Range	30 to 70% RH		

### TECHNICAL SPECIFICATIONS: LOT 3

Lot 3.3	PRINTER TYPE III
QUANTITY	04

Bidder's response column must be filled either yes or no.

Bidders must attach technical literature for item quoted.

#### RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Print speed black (A4)	Up to 19 ppm Letter		
First page out black (A4)	As fast as 8.5 sec		
Print quality black (best)	Up to 1200 dpi		
Print technology	Laser		
Duty cycle (monthly, A4)	Up to 5000 pages		
Memory, standard	8 MB		
Memory, maximum	8 MB		
Processor speed	266 MHz		
Maximum Document Length	14"		
Minimum Document Width	8.5"		
Tray Capacity	150 Sheets		
Supported Paper Sizes	Letter, legal, executive, postcard, #10 Monarch envelope		
Paper Feeder	Tray Loader		
Paper Handling	Up to 150 Sheets		
e-Print capability	Yes		
Mobile printing capability	E-Print Mobile Application(s)		
Wireless capability	Yes, Wi-Fi 802.11b/g		
Connectivity, standard	1 Hi-Speed USB 2.0; 1 Wi-Fi 802.11b/g		
Mac compatible	Yes		
Power	Input voltage 115 to 127 VAC (+/- 10%), 60 Hz (+/- 2 Hz), 12 amp; 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz), 6.0 amp		
Power consumption	370 watts (printing), 2.7 watts (ready), 2.0 watts (auto-off), 0.6 watts (manual-off)		
Operating humidity range	30 to 70% RH		



**TECHNICAL SPECIFICATIONS: LOT 3**

LOT 3.4	COLOR PRINTER
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QUANTITY	03 UNITS
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Bidder's response column must be filled either yes or no.

Bidders must attach technical literature for item quoted.

**RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS**

Items	Specifications	Bidder Compliance	
		Yes/No.	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Printer Type	Laser		
Print Speed (Black)	21 PPM (Normal)		
Print Speed (Color)	21 PPM (Normal)		
Print First Page Out (Black)	As fast as 17 seconds		
Print First Page Out (Color)	As fast as 17 seconds		
Print Resolution (Black)	600x600 dpi		
Print Resolution (Color)	600x600 dpi		
Processor	600 MHz		
Memory	384 MB		
Monthly Page Volume	750 to 2000 Pages		
Duty Cycle (Monthly, A4)	Up to 40000 Pages		
Media Types Supported	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, pre punched, recycled, rough), postcards, transparencies, labels, envelopes		
Media Sizes Supported	Letter, legal, executive, 8.5 x 13 in, 3 x 5 in, 4 x 6 in, 5 x 8 in, envelopes (No 10, Monarch)		
Input Tray Capacity	50-sheet multipurpose tray, 250-sheet input tray 2		
Output Tray Capacity	Up to 150 sheets		
e-Print capability	Yes		
Mobile printing capability	Yes		
Wireless capability	Yes, built-in Wi-Fi 802.11 b/g/n		
Connectivity, standard	1 Hi-Speed USB 2.0 port 1 Fast Ethernet 10/100Base-TX network port 1 Wi-Fi 802.11 b/g/n		
Operating Temperature Range	15°C to 30°C		
Operating Humidity Range	10% to 80% RH		
Power Requirements	Input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 3 Hz); 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz)		
Power Consumptions	315 watts (Printing), 11.5 watts (Ready), 5.1 watts (Sleep), 0.2 watts (Off)		



<b>TECHNICAL SPECIFICATIONS: LOT 3</b>			
LOT 3.5		TONERS FOR PRNTER TYPE I	
QUANTITY		4 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
<b>Toners for Printer Type I</b>	Original Toners of suggested Model		

<b>TECHNICAL SPECIFICATIONS: LOT 3</b>			
LOT 3.6		TONERS FOR PRNTER TYPE I	
QUANTITY		79 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
<b>Toners for Printer Type II</b>	Original Toners of suggested Model		

<b>TECHNICAL SPECIFICATIONS: LOT 3</b>			
LOT 3.7		TONERS FOR PRNTER TYPE III	
QUANTITY		8 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
<b>Toners for Printer Type III</b>	Original Toners of suggested Model		

<b>TECHNICAL SPECIFICATIONS: LOT 3</b>			
LOT 3.8		TONERS FOR COLOR PRINTER	
QUANTITY		06 TONERS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
<b>Toners for Color Printer</b>	Original Toners of suggested Model		

<b>TECHNICAL SPECIFICATIONS: LOT 4</b>			
LOT 4.1		UPS (650 VA)	
QUANTITY		80 UNITS	
Bidder's response column must be filled either yes or no.			
Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Capacity	650VA / 325W		
AC Voltage	230 VAC		
AC Current	5A		
AC Frequency	50 Hz / 60 Hz $\pm$ 1 Hz (Auto sensing)		
Protection	Fuse		
Topology	Line Interactive		
Wave Form Type	Stepped approximation to a sine wave		
INV Voltage	220 $\pm$ 5% V		
INV Frequency	50 $\pm$ 3% Hz		
Brownout Transfer / Over-voltage Transfer	170 VAC, typical / 280 VAC, typical		
Output Connections	2 Universal outlets		
AC Power Surge Protection	All outlets		
Typical Recharge Time	4 – 6 Hours		
Transfer Time	~6 ms		
Back Up Time	<6 min		
Indicator	LED & BUZZER		
Operating Temperature	0 - 40 °C		
Battery Type	12V , 7 AH lead acid (Maintenance Free)		

<b>TECHNICAL SPECIFICATIONS: LOT 5</b>			
LOT 5.1		COLOR PHOTO COPIER WITH DADF	
QUANTITY		02 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Type	Color Laser Multifunctional Device (Reader / Printer Desktop)		
Maximum Original Size	A3		
Paper Size	Cassette 1: A4, B5, A5, Custom size (139.7 x 182mm to 297 x 215.9mm) Cassette2: A3, B4, A4, A4R, B5, B5R, A5R, FLS, F4A and Custom size (139.7 x 182mm to 304.8 x 457.2mm) and Envelopes (COM10 No.10, Monarch, DL) Multi-Purpose Tray: A3, B4, A4, A4R, B5, B5R, A5, A5R, FLS, F4A Custom size (98.4 x 139.7mm to 320 x 457.2mm) and Envelopes (COM10 No.10, Monarch,DL,ISO-C5)		
Resolution	Scan: 600x600 dpi Copy: 600x600 dpi Print: 1200x1200 dpi		
Copy/Print Speed	A4: 20/20 PPM A3: 15/15 PPM		
First Copy Time	Full Color: 8 seconds Monochrome: 6 seconds		
Warm up Time	From Power On w/o Quick Startup: 35 sec or Less From Power On w/Quick Startup: 10 sec or Less From Sleep Mode: 10 sec or Less		
Multiple Copies/Prints	1 to 999 Copies		
Magnification	Copy Ratio: 25- 400 %		
Paper Capacity	Cassette 1&2: 550 sheets x 2 Cassettes (80 GSM) Multipurpose Tray: 100 sheets (80 GSM)		
CPU Speed	1.66 GHz		

Number of Tray	2 Trays
Paper Sizes	A3, B4, A4, A4R, B5, B5R, A5, A5R, FLS, F4A and Custom Size (98.4 x 139.7mm to 320 x 457.2mm)
Capacity Per Tray	No finishing set, Collate, and Group mode: [ A4: 1,000 sheets (or 147mm in height) 305 x 457mm, 320 x 450mm (SRA3), A3, A4R: 500 sheets (or 73.5mm in height) Collate, Group Mode: [ A4: 1,000 sheets (or 147mm in height), A3 and A4R: 500 sheets (or 73.5mm in height) Staple Mode: [ A4: 50 sets (or 147mm in height) A3 and A4R: 50 sets (or 73.5mm in height)]
Staple Capacity	A4: 50 sheets (80gsm) / A3, A4R: 30 sheets (80gsm)
Staple Position	Staple Finisher: Corner, Double Booklet Finisher: Corner, Double, Saddle Stitch
Saddle Stitch	A3 and A4R: 16 sheets (80gsm) / 10 sheets (80gsm)

<b>TECHNICAL SPECIFICATIONS: LOT 5</b>			
LOT 5.2		DURMS FOR COLOR PHOTO COPIER	
QUANTITY		02 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
<b>Drum for Photo Copier (Color) Machine</b>	Original Drums of suggested Model		

<b>TECHNICAL SPECIFICATIONS: LOT 5</b>			
LOT 5.3		TONERS FOR COLOR PHOTO COPIER	
QUANTITY		04 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
<b>Toners for Color Photo Copier Machine</b>	Original Toners of suggested Model		



## TECHNICAL SPECIFICATIONS: LOT 6

LOT 6.1 DSLR CAMERA

QUANTITY 02 UNITS

Bidder's response column must be filled either yes or no.

Bidders must attach technical literature for item quoted.

### RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Alternate Feature / Offer
Make	(Specify)		
Model	(Specify)		
Manufacturers literature	(Specify)		
Sensor Resolution	24.2 megapixels		
Optical Sensor Type	CMOS		
Total Pixels	24,780,000 pixels		
Effective Sensor Resolution	24,200,000 pixels		
Optical Sensor Type	15.6 x 23.5mm		
Field of View Crop Factor	1.5		
Sensor Dust Reduction	Yes		
Sensor Features	OLPF-less architecture, Self-Cleaning Sensor Unit		
Wireless Connection	IEEE 802.11b/g		
Image Processor	EXPEED 4		
Image Stabilizer	Optical		
Auto Focus	TTL contrast and phase detection		
Auto Focus Points (Zones) Qty	39		
AE/AF Control	3D-tracking AF, Auto-area AF, Face-priority AF, Subject-tracking AF		
Face Detection	face-priority AF function		
Digital Video Format	H.264, MOV		
Image Recording Format	JPEG, NEF (RAW), RAW + JPEG		
Max Video Resolution	1920 x 1080		
AV Interfaces	HDMI, composite video/audio		
Interfaces Provided	Composite video/audio, HDMI		
White Balance	automatic, custom, pre-sets		
White Balance Pre-sets	cloudy, flash, fluorescent, incandescent, shade, sunlight		
Max Shutter Speed	1/4000 sec		
Min Shutter Speed	30 sec		
White Balance Bracketing	Yes		
X-sync Speed	1/200 sec		
Camera Flash	Built-in flash		
Flash Modes	auto mode, fill-in mode, flash OFF mode, rear curtain sync, red-eye reduction, slow synch		
Features	AF illuminator, flash +/- compensation, wireless off-camera control		

Continuous Shooting Speed	5 frames per second		
Self-Timer Delay	10 sec, 2 sec, 20 sec, 5 sec		
Flash Terminal	hot shoe		
Viewfinder Type	Optical - eye-level penta mirror		
Field Coverage	95%		
Magnification	0.82x		
Display Resolution	1,037,000 pixels		
Display Features	Built-in, Built in, built-in		
Microphone Operation Mode	Stereo		
Microphone Features	sensitivity control		
Connector Type	1 x USB 2.0, 1 x HDMI output, 1 x composite video/audio output, 1 x microphone		
Memory Card Slot	SD Card		
Peripheral Devices	CD-ROM drive, USB port		
Battery Type	EN-EL14a Li-ion rechargeable battery		
Battery Life Details	Photo shooting - 600 shots		
Image Storage	6000 x 4000, 4496 x 3000, 2992 x 2000		
Video Capture	H.264 - 1920 x 1080 - 60 fps, H.264 - 1920 x 1080 - 50 fps H.264 - 1920 x 1080 - 30 fps, H.264 - 1920 x 1080 - 25 fps H.264 - 1920 x 1080 - 24 fps, H.264 - 1280 x 720 - 60 fps H.264 - 1280 x 720 - 50 fps, H.264 - 640 x 424 - 30 fps H.264 - 640 x 424 - 25 fps		



<b>TECHNICAL SPECIFICATIONS: LOT 6</b>			
LOT 6.2		DIGITAL CAMERAS	
QUANTITY		77 UNITS	
Bidder's response column must be filled either yes or no.			
Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Alternate Feature / Offer
Make	(Specify)		
Model	(Specify)		
Manufacturers literature	(Specify)		
Pixel	20.4 Megapixel (Actual), 20.1 Megapixel (Effective)		
Sensor	CCD		
File Format	JPEG (Still Images), AVI (Movies), MP3 (Audio)		
Aspect Ratio	4:3, 16:9		
Image Stabilization	Optical		
Zoom	5x (Optical) and 10x (Digital)		
Shutter	2 - 1/1500 second in Auto Mode 1 - 1/1500 second in Program Mode		
Shooting Mode	Beach, Gourmet, High Sensitivity, Landscape, Night Portrait, Night Scene, Pet Mode, Portrait, Snow		
Self-Timer	10 Sec: & 2 Sec:		
Flash mode	Advanced Flash, Auto, Flash On, Off, Slow Sync		
Built-in Flash	Yes		
Memory Card Type	SD, SDHC, SDXC, micro SD, micro SDHC, micro SDXC		
Video Recording	Yes		
Video Recording Length	More than 25 Minutes		
Audio Recording	Yes (Mono)		
Connectivity	Av/USB Multi and USB 2.0		
Battery	Rechargeable Lithium-Ion Battery Pack, 3.6 VDC, 630 mAh		
AC Power Adopter	Yes		

**TECHNICAL SPECIFICATIONS: LOT 7**

LOT 7.1 TELEPHONE EXCHANGE SYSTEM

QUANTITY 01 UNIT

Bidder's response column must be filled either yes or no.

Bidders must attach technical literature for item quoted.

**RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS**

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		

**Exchange Specifications**

<b>Maximum Capacity</b>	<ul style="list-style-type: none"> <li>• 8 CO's</li> <li>• 24 Extensions</li> <li>• (16 Hybrid 8 SLT)</li> </ul>		
<b>Intercom Paths</b>	4		
Dialing Method	External: Tone (DTMF) / Pulse (10 pps, 20 pps) Internal: Tone (DTMF) / Pulse (10 pps, 20 pps)		
Connections	CO Line, Intercom, Paging, External Music SMDR, Programming		
<b>SMDR</b>	Detail Recording: Date, Time, Extension Number, CO Line Number, Dialed Number, Call Duration, Account Code, Caller ID		
Polarity Reverse Detection	Yes		
Voice Mail Ports	2 ports (APT or DTMF)		
DTMF Receivers	2 / 8 Extension		
DTMF Generator	1 / 8 Extension		
CO - CO Transfer Path	2 / CO Line Card		
Power Failure Transfer Ports	1 / CO Line Card		
Direct Connection to External Battery	Yes		
Power Source	AC 110 - 240 V, 50/60 Hz		
Power Consumption	45W		

**Console Specifications**

Alphanumeric Display (Lines x Characters)	3 x 16		
Programmable Keys with Dual Color LED	12		
Feature Access Keys for LCD	Navigator Key		
Hands-Free Speech	Yes		
SP-Phone (Monitor) Volume Control	Navigator Key		
Handset Volume Control	Navigator Key		
Ringer Volume Control	Slide Switch		
Contrast Control	(Off/Low/High)		
Incoming Call / Message Lamp	Navigator Key		
Auto Answer / Mute	Yes		
Voice Call	Yes		
Headset Compatible	Yes		
Wall Mountable	Yes		

**TECHNICAL SPECIFICATIONS: LOT 7**

LOT 7.2	TELEPHONE SETS
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QUANTITY	25 UNITS
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Bidder's response column must be filled either yes or no.

Bidders must attach technical literature for item quoted.

**RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS**

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
LCD Display	2 Line (16 digits & dates)		
LCD Contrast	4 Levels		
Caller ID	Yes		
Caller ID Memory	30 numbers		
Redial	05 numbers		
Tone/Pulse Setting	Yes		
Flash Time Setting	Programmable		
Handset Volume Control	Fixed		
Ringer Volume Control	Off/Low/High		
Wall Mounted	Yes		
Power Source	From telephone line		

<b>TECHNICAL SPECIFICATIONS: LOT 8</b>			
LOT 8.1		FAX MACHINE	
QUANTITY		27 UNITS	
Bidder's response column must be filled either yes or no.			
Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Compatibility	ITU-T G3		
Printing Method	Laser printing on plain paper		
Effective Scanning Width	208 mm		
Effective Printing Width	202 mm (A4), 208 mm (letter/legal)		
Resolution	Standard/Fine/Photo/Super Fine/ Mixed		
Paper Size	A4 / Legal / Letter		
Modem Speed	33.6 kbps		
Transmission Speed	Approx. 4 sec./page in ECM-MMR mode		
Compression System	MH/MR/MMR		
Document Memory	2.5 MB		
Copier Function	Multiple Copy (up to 99 copies)		
Enlarge / Reduce	50-200% (in 5% step)		
Collate Feature	Yes		
User LOGO Transmission	Up to 30 characters in fax header		
Fax Number Registration	Up to 20 digits (SUB_ID)		
LCD Read Out	16 digits / 2 lines		
Dial Mode	Tone (DTMF) / Pulse		
Manual Answer	Tel, Tel/Fax		
Call Back Feature	Yes		
Incoming Call Ringer	Ring tone 1,2,3		
Flash	Yes		
Caller ID	FSK / DTMF Compatible		
Power Supply	AC 220 – 240 V, 50/60 Hz.		

<b>TECHNICAL SPECIFICATIONS: LOT 8</b>			
LOT 8.2		DURMS FOR FAX MACHINE	
QUANTITY		27 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
<b>Drum for Fax Machine</b>	Original of suggested Model		

<b>TECHNICAL SPECIFICATIONS: LOT 8</b>			
LOT 8.3		TONERS FOR FAX MACHINE	
QUANTITY		54 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
<b>Toners for Fax Machine</b>	Original Toners of suggested Model		

<b>TECHNICAL SPECIFICATIONS: LOT 9</b>			
LOT 9.1		MULTIMEDIA PROJECTOR	
QUANTITY		01 UNIT	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Display System	3 LCD System		
Aspect Ratio	4:3		
Number of Pixels	2,359,296 (1024x768 x 3) pixels		
Projection Lens Focus	Manual		
Projection Lens Zoom	Manual		
Projection Lens Zoom Ratio	Approx. x 1.6		
Projection Lens Throw Ratio	1.40:1 to 2.27:1		
Light Source Type	Ultra-high pressure mercury lamp		
Light Source Wattage	210 W		
Recommended Lamp Mode Replacement Time	High: 3000 H Standard: 5000 H Low: 10000 H		
Filter cleaning / replacement cycle (Max.)	7000 H (Cleaning)		
Screen size	30" to 300" (0.76 m to 7.62 m)(measured diagonally)		
Light Output Lamp Mode	High: 3300 lm Standard: 2200 lm Low: 1700 lm		
Color Light Output Lamp Mode	High: 3300 lm Standard: 2200 lm Low: 1700 lm		
Contrast ratio (full white / full black)	3300:1		
Speaker	16W x1		
Display Scanning Horizontal Frequency	14 kHz to 93 kHz		
Display Scanning Vertical Frequency	47 Hz to 93 Hz		
Computer Signal Input (Maximum Display Resolution)	UXGA 1600 x 1200 dots		
Video Signal Input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i		
Color System	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N		
Keystone Correction (Max.)	Vertical: +/-30 degrees		

Input Output (Computer/Video/Control)	<p>Input A: RGB / Y PB PR input connector: Mini D-sub 15-pin (female)  Audio input connector: Stereo mini jack  Input B: RGB input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack.  Input C: HDMI input connector: HDMI 19-pin, HDCP support.  S Video In: S video input connector: Mini DIN 4-pin Audio input connector: Pin jack (x2) (shared with VIDEO IN).  Video In: Video input connector: Pin jack Audio input connector: Pin jack (x2) (shared with S VIDEO IN).  Output: Monitor output connector: Mini D-sub 15-pin (female) Audio output connector Stereo mini jack (variable out).  Remote: RS-232C connector: D-sub 9-pin (male).  LAN: RJ-45, 10BASE-T/100BASE-TX.  USB: Type A  USB: Type B  Microphone In: Mini Jack</p>		
Operating temperature / Operating humidity	0°C to 40°C (32°F to 104°F) / 35% to 85% (no condensation)		
Power requirements	AC 100 V to 240 V, 3.2 A to 1.4 A, 50 Hz / 60 Hz		
Power Consumptions (AC 100 V to 120 V) Power Consumptions (Ac 220 V to 240 V)	Lamp mode: High: 314 W Lamp mode: High: 301 W		

<b>TECHNICAL SPECIFICATIONS: LOT 9</b>			
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LOT 9.2	PROJECTOR SCREEN		
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QUANTITY	01 UNIT		
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Bidder's response column must be filled either yes or no.

Bidders must attach technical literature for item quoted.

<b>RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS</b>			
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Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Screen Type	Wall Mounted (Motorized)		
Screen Texture	Matte white		
Format	Square [1:1]		
Screen Size (W x H)	6' x 6' (72" x 72")		
Mount Type	Wall Mounted		
Viewing Angle	160° or higher		
Screen Aspect	4:3		
Screen Gain	1.0 or higher		
Electric Wireless Remote Control	Yes		



<b>TECHNICAL SPECIFICATIONS: LOT 9</b>			
LOT 9.3		SLIDE PRESENTER	
QUANTITY		01 UNIT	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Pointer	Green laser pointer		
Range	100-foot (30-meter) effective range with 2.4 GHz wireless technology		
Display	LCD display with timer, battery-power and reception-level indicators		
Built-in slideshow buttons	Yes		
Storable plug-and-play receiver	Yes		
On/Off switch	Yes		
Carrying case	Yes		
Interface	USB Port		

<b>TECHNICAL SPECIFICATIONS: LOT 10</b>			
LOT 10.1		L3 NETWORK CORE SWITCH	
QUANTITY		02 UNITS	
Bidder's response column must be filled either yes or no. Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
		Bidder Compliance	
Items	Specifications	Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Device Type	Switch - 24 ports - Managed - stackable		
Enclosure Type	Rack-mountable - 1U		
Subtype	24 x 10/100/1000		
Performance	Switching fabric bandwidth : 160 Gbps		
Capacity	Virtual interfaces (VLANs) : 255		
Jumbo Frame Support	9216 bytes		
Max Units In A Stack	9		
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, TFTP, SSH, CLI		
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+		
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ae		
Features	Hot swap module replacement, Layer 2 switching, dynamic IP address assignment , DHCP support, auto-negotiation, ARP support, trunking, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, traffic shaping, Broadcast Storm Control, High Availability, Multicast Storm Control, Unicast Storm Control, Rapid Spanning Tree Protocol (RSTP) support, DHCP snooping, Dynamic Trunking Protocol (DTP) support, Port Aggregation Protocol (PAgP) support, Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Quality of Service (QoS), Jumbo Frames support, MLD snooping, Dynamic ARP Inspection (DAI), Cisco Stack Wise Technology, Per-VLAN Spanning Tree Plus (PVST+), Uni-Directional Link Detection (UDLD), Shaped Round Robin (SRR), Link Aggregation Control Protocol (LACP), Remote Switch Port Analyzer (RSPAN)		

RAM	256 MB		
Flash Memory	128 MB		
Power Device	Internal power supply		
Voltage Required	AC 120/230 V ( 50/60 Hz )		
Interfaces	24 x 10Base-T/100Base-TX/1000Base-T - RJ-45 1 x USB - Type A 1 x console - mini-USB Type B - management 1 x RS-232 - RJ-45 - management 1 x 10Base-T/100Base-TX - RJ-45 - management 2 x network stack device		
Min Operating Temperature	-5 °C		
Max Storage Temperature	70 °C		
Humidity Range Operating	5 - 95% (non-condensing)		

<b>TECHNICAL SPECIFICATIONS: LOT 10</b>			
LOT 10.2		L3 NETWORK PoE SWITCH	
QUANTITY		01 UNITS	
Bidder's response column must be filled either yes or no.			
Bidders must attach technical literature for item quoted.			
RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS			
		Bidder Compliance	
Items	Specifications	Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Device Type	Switch - 48 ports - Managed - stackable		
Enclosure Type	Rack-mountable - 1U		
Subtype	Gigabit Ethernet		
Ports	48 x 10/100/1000 (PoE)		
Performance	Switching fabric bandwidth : 160 Gbps		
Capacity	Virtual interfaces (VLANs) : 255		
Jumbo Frame Support	9216 bytes		
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, TFTP, SSH, CLI		
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+		
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ae, IEEE 802.3at		
Features	Hot swap module replacement, Layer 2 switching, dynamic IP address assignment , DHCP support, auto-negotiation, ARP support, trunking, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, traffic shaping, Broadcast Storm Control, High Availability, Multicast Storm Control, Unicast Storm Control, Rapid Spanning Tree Protocol (RSTP) support, DHCP snooping, Dynamic Trunking Protocol (DTP) support, Port Aggregation Protocol (PAgP) support, Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Quality of Service (QoS), Jumbo Frames support, MLD snooping, Dynamic ARP Inspection (DAI), Cisco Stack Wise Technology, Per-VLAN Spanning Tree Plus (PVST+), Uni-Directional Link Detection (UDLD), Shaped Round Robin (SRR), Link Aggregation Control Protocol (LACP), Remote Switch Port Analyzer (RSPAN)		

RAM	256 MB		
Flash Memory	128 MB		
Power Device	Internal power supply		
Voltage Required	AC 120/230 V ( 50/60 Hz )		
Interfaces	24 x 10Base-T/100Base-TX/1000Base-T - RJ-45 1 x USB - Type A 1 x console - mini-USB Type B - management 1 x RS-232 - RJ-45 - management 1 x 10Base-T/100Base-TX - RJ-45 - management 2 x network stack device		
Min Operating Temperature	-5 °C		
Max Storage Temperature	70 °C		
Humidity Range Operating	5 - 95% (non-condensing)		

**TECHNICAL SPECIFICATIONS: LOT 10**

LOT 10.3

L3 NETWORK ACCESS SWITCH

QUANTITY

06 UNITS

Bidder's response column must be filled either yes or no.

Bidders must attach technical literature for item quoted.

**RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS**

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Device Type	Switch - 20 ports - Managed		
Enclosure Type	Rack-mountable - 1U		
Subtype	Gigabit Ethernet		
Ports	20 x 10/100/1000 + 4 x combo Gigabit SFP		
Performance	Switching capacity : 32 Gbps Forwarding performance (64-byte packet size) : 35.7 Mbps		
Connectivity Technology	Wired		
Cabling Type	Ethernet 1000Base-T, Ethernet 100Base-TX, Ethernet 10Base-T		
Authentication Method	RADIUS, Secure Shell (SSH), TACACS+		
RAM	64 MB		
Flash Memory	32 MB flash		
MAC Address Table Size	8K entries		
Status Indicators	Link activity, port transmission speed, port duplex mode, power, link OK, system		
Encryption Algorithm	SSL		
Remote Management Protocol	HTTP, SNMP 3, SSH, TFTP, Telnet, HTTPS, RMON 1, RMON 2, RMON 3, RMON 9, SNMP 1, SNMP 2, SNMP 2c		
Supported Protocols	Auto QoS (Automatic QoS), Stacking Master Configuration Management (for Flex Stack) DHCP (Dynamic Host Configuration Protocol) DTP (Dynamic Trunking Protocol) PAgP (Port Aggregation Protocol) LACP (Link Aggregation Control Protocol), MDIX (Automatic media-dependent interface crossover), UDLD (Unidirectional Link Detection Protocol), SDM (Switching Database Manager), ARP (Local Proxy Address Resolution Protocol, IGMP (Internet Group Management Control Protocol), MVR (Multicast VLAN Registration), Storm Control (Per-Port Broadcast, Multicast and Unicast), Voice VLAN, VTP (VLAN Trunking Protocol), RSPAN Remote Switch Port Analyzer, Layer 2 Traceroute, TFTP (Trivial File Transfer Protocol), NTP (Network Timing Protocol)		

Compliant Standards	IEEE 802.1D, IEEE 802.3ad (LACP), IEEE 802.3ah, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.1Q, IEEE 802.1ab (LLDP), IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab		
Communication Mode	full-duplex, half-duplex		
Power Device	Internal power supply		
Power Consumption Operational	72 Watt		
Frequency Required	50/60 Hz		
Min Operating Temperature	23 °F		
Max Operating Temperature	104 °F		
Humidity Range Operating	10 - 95% (non-condensing)		
Humidity Range Storage	10 - 95% (non-condensing)		
Interfaces	24 x 1000Base-T - RJ-45, 4 x SFP (mini-GBIC)		

**TECHNICAL SPECIFICATIONS: LOT 11**

LOT 11.1	PORTABLE DRIVE
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QUANTITY	37 UNITS
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Bidder's response column must be filled either yes or no.

Bidders must attach technical literature for item quoted.

**RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS**

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Capacities	1TB		
Power Supply	DC 5V (USB bus powered)		
File System	NTFS		
Operating Temperature	32°F to 140°F (0°C to 60°C)		
Storage Temperature	-4°F to 185°F (-20°C to 85°C)		
Data Transfer Rate	Max. 5Gbps (USB 3.0) Max. 480Mbps (USB2.0)		
Power Consumption	Max. 4.5W		



**TECHNICAL SPECIFICATIONS: LOT 11**

LOT 11.2	16 GB FLASH DRIVE
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QUANTITY	80 UNITS
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Bidder's response column must be filled either yes or no.  
 Bidders must attach technical literature for item quoted.

**RECOMMENDED MINIMUM TECHNICAL SPECIFICATIONS**

Items	Specifications	Bidder Compliance	
		Yes/No	If "No" indicate your Offer
	Make		
	Model		
	Manufacturers literature		
Capacities	16GB		
Speed	10MB/s read and 5MB/s write		
Operating Temperatures	32°F to 140°F (0°C to 60°C)		
Storage Temperatures	-4°F to 185°F (-20°C to 85°C)		
Connectivity Port	USB		
Convenient	pocket-sized for easy transportability		
Compatible with	Any Operating System		

## **Section VII**

### **Forms**

## 1. Bid Form and Price Schedules

Date:  
Grant N°: 83993-PK  
IFB N°: PROC: /S-GPE/RSU-M&E/ICT/NCB  
(001)-2016

To: Mr. \_\_\_\_\_  
*Chief Program Manager  
Reform Support Unit  
Education & Literacy Department  
Government of Sindh.*

Gentlemen:

Having examined the bidding documents including Addenda Nos. *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]* in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to \_\_\_\_\_ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid for a period of *[number]* days from the date fixed for Bid opening under Clause 22 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

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

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
---------------------------	---------------------	-----------------------------------

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(if none, state “none”)

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

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_\_.

\_\_\_\_\_

*[signature]*

*[in the capacity of]*

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 1

Name of Bidder \_\_\_\_\_ . IFB Number \_\_\_\_\_. Page . of \_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 1.1	Laptop Ci7		07				
Lot 1.2	Laptop Ci5		30				
Lot 1.3	Desktop i5+18.5"LED+8.1 OS (OEM)		72				

Signature of Bidder \_\_\_\_\_

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

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<sup>3</sup> Must be included if required under ITB 11.2

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 2

Name of Bidder \_\_\_\_\_ . IFB Number \_\_\_\_\_. Page . of \_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 2.1	Scanner Type I		17				
Lot 2.2	Scanner Type II		04				
Lot 2.3	Scanner Type III		04				

Signature of Bidder \_\_\_\_\_

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

---

<sup>3</sup> Must be included if required under ITB 11.2

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 3

Name of Bidder \_\_\_\_\_ . IFB Number \_\_\_\_\_. Page . of \_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 3.1	Printer Type I		02				
Lot 3.2	Printer Type II		32				
Lot 3.3	Printer Type III		04				
Lot 3.4	Color Printer		03				
Lot 3.5	Toner For Printer Type I		04				
Lot 3.6	Toner For Printer Type II		79				
Lot 3.7	Toner For Printer Type III		08				
Lot 3.8	Toner For Color Printer		06				

Signature of Bidder \_\_\_\_\_

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

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<sup>3</sup> Must be included if required under ITB 11.2

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 4

Name of Bidder \_\_\_\_\_ IFB Number \_\_\_\_\_. Page of \_\_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 4.1	UPS 650 VA		80				

Signature of Bidder \_\_\_\_\_

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

---

<sup>3</sup> Must be included if required under ITB 11.2



## PRICE SCHEDULE IN PAK RUPEES FOR LOT 5

Name of Bidder \_\_\_\_\_ . IFB Number \_\_\_\_\_. Page . of \_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 5.1	Color Photo Copier Machine with DADF		02				
Lot 5.2	Drum For Color Photo Copier Machine		02				
Lot 5.3	Toner For Photo Color Copier Machine		04				

Signature of Bidder \_\_\_\_\_

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

---

<sup>3</sup> Must be included if required under ITB 11.2

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 1

Name of Bidder \_\_\_\_\_ . IFB Number \_\_\_\_\_. Page of \_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 6.1	DSLR Camera		02				
Lot 6.2	Digital Cameras		77				

Signature of Bidder \_\_\_\_\_

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

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<sup>3</sup> Must be included if required under ITB 11.2

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 7

Name of Bidder \_\_\_\_\_ . IFB Number \_\_\_\_\_. Page of \_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 7.1	Telephone Exchange System		01				
Lot 7.2	Telephone Sets		25				

Signature of Bidder \_\_\_\_\_

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

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<sup>3</sup> Must be included if required under ITB 11.2

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 8

Name of Bidder \_\_\_\_\_, IFB Number \_\_\_\_\_, Page of \_\_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 8.1	Fax Machine		27				
Lot 8.2	Drum For Fax Machine		27				
Lot 8.3	Toner For Fax Machine		54				

Signature of Bidder \_\_\_\_\_

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

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<sup>3</sup> Must be included if required under ITB 11.2

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 9

Name of Bidder \_\_\_\_\_ IFB Number \_\_\_\_\_. Page of \_\_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 9.1	Multimedia Projector		01				
Lot 9.2	Projector Screen		01				
Lot 9.3	Slide Presenter		01				

Signature of Bidder \_\_\_\_\_

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

---

<sup>3</sup> Must be included if required under ITB 11.2

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 10

Name of Bidder \_\_\_\_\_ . IFB Number \_\_\_\_\_. Page . of \_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 10.1	L3 Network Core Switch		02				
Lot 10.2	L3 Network PoE Switch		01				
Lot 10.3	L3 Network Access Switch		06				

Signature of Bidder \_\_\_\_\_

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

---

<sup>3</sup> Must be included if required under ITB 11.2

## PRICE SCHEDULE IN PAK RUPEES FOR LOT 11

Name of Bidder \_\_\_\_\_ . IFB Number \_\_\_\_\_. Page . of \_\_\_\_.

1	2	3	4	5	6	7	8
Lot No.	Item Name	Description	Quantity	Country of Origin	Unit Price DDP Named Place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required <sup>3</sup>
Lot 11.1	Portable Drive (1TB)		37				
Lot 11.2	USB Flash Drive (16 GB)		80				

Signature of Bidder \_\_\_\_\_

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

---

<sup>3</sup> Must be included if required under ITB 11.2

## 2. Bid Security Form

Whereas *[name of the Bidder]* (hereinafter called “the Bidder”) has submitted its bid dated *[date of submission of bid]* for the supply of *[name and/or description of the goods]* (hereinafter called “the Bid”).

KNOW ALL PEOPLE by these presents that WE *[name of bank]* of *[name of country]*, having our registered office at *[address of bank]* (hereinafter called “the Bank”), are bound unto *[name of Purchaser]* (hereinafter called “the Purchaser”) in the sum of for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form;  
or
2. If the Bidder, having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity:
  - (a) fails or refuses to execute the Contract Form, if required; or
  - (b) fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

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

This guarantee will remain in force up to and including thirty (30) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

\_\_\_\_\_  
*[signature of the bank]*



### 3. Contract Form

THIS AGREEMENT made the \_\_\_\_ day of \_\_\_\_\_ 19 \_\_\_\_ between *[name of Purchaser]* of *[country of Purchaser]* (hereinafter called “the Purchaser”) of the one part and *[name of Supplier]* of *[city and country of Supplier]* (hereinafter called “the Supplier”) of the other part:

WHEREAS the Purchaser invited bids for certain goods and ancillary services, viz., *[brief description of goods and services]* and has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (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 referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - (a) the Bid Form and the Price Schedule submitted by the Bidder;
  - (b) the Schedule of Requirements;
  - (c) the Technical Specifications;
  - (d) the General Conditions of Contract;
  - (e) the Special Conditions of Contract; and
  - (f) the Purchaser’s Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Purchaser)

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Supplier)

## 4. Performance Security Form

To: *[name of Purchaser]*

WHEREAS *[name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated \_\_\_\_\_ 19\_\_\_\_ to supply *[description of goods and services]* (hereinafter called "the Contract").

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

AND WHEREAS we have agreed to give the Supplier a guarantee:

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

This guarantee is valid until the \_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_\_.

Signature and seal of the Guarantors

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*[name of bank or financial institution]*

---

*[address]*

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*[date]*

## 5. Bank Guarantee for Advance Payment

To: *[name of Purchaser]*

*[name of Contract]*

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 16 of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called “the Supplier”) shall deposit with the Purchaser a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Purchaser on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Purchaser and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

Signature and seal of the Guarantors

---

*[name of bank or financial institution]*

---

*[address]*

---

*[date]*

## 6. Manufacturer's Authorization Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: *[name of the Purchaser]*

WHEREAS *[name of the Manufacturer]* who are established and reputable manufacturers of *[name and/or description of the goods]* having factories at *[address of factory]*

do hereby authorize *[name and address of Agent]* to submit a bid, and subsequently negotiate and sign the Contract with you against IFB No. *[reference of the Invitation to Bid]* for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

---

*[signature for and on behalf of Manufacturer]*

*Note:* This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.

Section VIII

Section VIII