“Replacement of Street Lights with LED Lights at Sukkur IBA”

Request for Proposal (RFP)

December 09, 2011

Last Date for Receiving RFP: December 28, 2011 @ 1700
Last Date for Submission: December 29, 2011 @ 1300
Tender Opening Date: December 29, 2011 @ 1330

Sukkur IBA

Airport Road Sukkur

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Web: www.iba-suk.edu.pk
Telephone No. 111-(SUK-IBA)
Introduction:

In order to reduce very high energy cost it is intended to find out ways and means to reduce the recurring energy cost and to explore use of modern technologies such as LED. Sukkur IBA intends proposals from reputed International and Local Companies to provide cost effective solution for replacement of currently installed Street Lights with Light Emitting Diode (LED) Technology.

DETAILS OF TECHNICAL BID

<table>
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<tr>
<th>SNO</th>
<th>Description</th>
<th>Quantity (approximate)</th>
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<tbody>
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<td>01</td>
<td>Supply and installation of LED street light fittings to replace existing incandescent/ Sodium lamp fittings.</td>
<td>55</td>
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TECHNICAL REQUIREMENT OF LED STREET LIGHTING

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<tr>
<th>Supply Source</th>
<th>180-240 volts. However, local conditions for voltage fluctuations should be considered and the system should be robust enough to withstand such variation in supply source.</th>
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<tr>
<td>Frequency</td>
<td>50 ± 1 Hz</td>
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<td>Lamp Efficacy</td>
<td>The luminaries should have a system efficacy of greater than 55 lm/W</td>
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<td>Lamp Requirement</td>
<td>High power LED with correlated color temperature of 4000K or 6500K ± 500K</td>
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<td>Luminaire technical requirement</td>
<td>The viewing angle of the luminaries shall be 120 x 70 degrees optimized for street lighting application to achieve the uniformity. The LED luminaries should be suitable for road lighting application and should provide similar lumen output to that of the existing light.</td>
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<td>Usage hours</td>
<td>12 hrs per day</td>
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<td>Power consumption</td>
<td>Preferable 12W, 14W, 16W &amp; 18W @ 55 lm/W. However, wattage may vary depending upon the existing street light.</td>
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<td>Power Factor</td>
<td>Greater Than 0.9</td>
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<td>Life Expectancy</td>
<td>About 50,000 burning hours at a 35 0C ambient temperature with 70% lumen maintenance</td>
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<td>Control Circuit</td>
<td>Compatible with LED</td>
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GENERAL REQUIREMENTS FOR STREET LIGHTING.

(i) LED lamps of PHILIPS or equivalent other reputed manufacturer shall be used for the purpose.
(ii) The luminaire casing/housing shall be of Stainless sheet steel SS304 grade or aluminum having high conductivity preferably to grade 5000 or similar to high conductivity heat sink material.
(ii) The electronic components used shall be as follows:
   a) IC (Integrated circuit) shall be of industrial grade or above.
   b) Metallic film / Paper/Polyester Capacitor shall be rated for a sustained operating temperature of 105ºC.
   c) The resistors should be preferably made of metal film of adequate rating.
      The actual rating versus loading shall be by a factor of 3.
   d) The junction temperature of the Switching devices such as transistors and MOSFETs etc. shall not exceed 125ºC (allowing thermal margin of 25ºC).

Technical Information of Equipments

<table>
<thead>
<tr>
<th>S.No</th>
<th>Items</th>
<th>Product name</th>
<th>Make of Equipment if required</th>
<th>Part No</th>
<th>Relationship with principle</th>
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1. **GENERAL TERMS AND CONDITIONS**

The following General Terms and Conditions apply to all the equipments of this proposal

1.1. The last date of receipt of Bids is **December 29, 2011 @1300 hours.**

1.2. Detail of Service, repair & maintenance facilities of Firm.

1.3. Structure/Organizational Chart of Firm.

1.4. An affidavit to the state that the firm has not been black listed by any Government/Semi Government Organization.

1.5. The Bidder indemnify Sukkur IBA against all third-party claims of infringement of patent, trade mark industrial design rights arising from use of the goods or any part thereof in Pakistan.

1.6. Sukkur IBA or its representative shall have the right to inspect and/or to test the equipment to confirm their conformity to the contract specifications. The Technical Specifications shall specify what inspections and tests Sukkur IBA requires and where they are to be conducted. Sukkur IBA shall notify the contractor, in writing, of the identity of any representatives entrusted for this purpose.

1.7. It is mandatory that the Bidders provide the following documents and information with respect to its relationship with Principal.

   1.7.1. Name and contact details of Principal/Manufacturer representative who is authorized to verify Vendor’s local partnership.

   1.7.2. Duration and scope of association in the current capacity with the Principal.

   1.7.3. Copy of the Principal’s Certification (along with its validity period), authorizing the Vendor as local partner/representative in Pakistan to Offer/Bid Principal’s equipment and services.

1.8. The Bidder/Vendor shall provide the following information with respect to its set up in Pakistan.
1.8.1. Number of Vendors offices and addresses, thereof, phone and fax numbers and e-mail address as well as names and designations of responsible persons.

1.8.2. Number of engineers and technical staff in Vendor’s office.

1.8.3. Profile of technical staff with relevant experience, resume and number of Customers and sites looked after/supported by each.

1.8.4. Problem reporting procedure and fault response time in hours for fault rectification, escalation procedures with respect to response or turnaround time in hours.

1.9. The Bidder shall provide following information with respect to its Company Profile.

1.9.1. Registered Name of the Organization.

1.9.2. National Tax Number, Sales Tax Number and GST Number.

1.9.3. Head Office address.

1.9.4. Management structure & Organization Chart.

1.9.5. Name, Address with Telephone/Telex and Fax numbers of the contact Person.

1.10. Financial status of the Vendor’s/Bidder’s Organization with supporting documents and last two years annual reports.

1.11. Provide a certificate from your bank certifying your sound financial position and credit limit from the bank.

1.12. List of clients and their Acceptance of deliverables, showing separately the items provided and value thereof.

1.13. Sukkur IBA, reserves the right to reject any or all Bids/Offers without assigning any reason or cancel the process at anytime as per PPRA rules provisions.

1.14. Sukkur IBA reserves the right to increase/decrease the quantity of items/scope of the work. Bidder has no right to challenge the decision in Court.
2. PROPOSAL SUBMISSION REQUIREMENTS

2.1. A bidder can submit bid for all equipments, however bid in each item will be treated and evaluated separately.

2.2. Sealed Bid clearly marked as "ORIGNAL" should consist of following two separate and independent parts i.e. 1) Technical Proposal 2) Financial Proposal and should be clearly marked as Technical Proposal/Financial Proposal in bold and affixed to each envelope at a clearly visible location.

2.2.1. TECHNICAL PROPOSAL

2.2.1.1. Technical Proposal must include the complete solution proposed by the Vendor with filled-in specification sheets.

2.2.1.2. After review of the Technical Proposal, promising Vendors will be selected and will be asked to give a demonstration/presentation on their solution.

2.2.1.4. Based on the Technical Proposal and the presentations, Vendors will be selected in order of preference and their Technical Solution will be rated on a scale of 100. The criteria considered will be compliance with equipment specifications, capability of integration, references, after sales support etc.

2.2.1.5. Financial Proposal of only those Vendors will be considered who’s Technical Proposal qualify.

2.2.2. FINANCIAL PROPOSAL

4.3.2.1. Financial Proposal will include the prices quoted for each equipment.

4.3.2.2. For each category the quoted prices must include all taxes, customs and freight charges for delivery/installation at the required locations at own risk and cost.

2.3.2.3. Theses Equipments are for educational institutions. Sukkur IBA, therefore, expects significant educational and volume discounts.
2.3.2.3 the Bidder/Vendor shall furnish separate earnest money equivalent to 2.0% of the total value of Bid in the form of Bank Draft issued by a scheduled bank of Pakistan in favor of “Sukkur IBA”, valid for at-least one year and enclosed along with financial proposal. No Bid shall be entertained without earnest money. Earnest money of the successful bidder will be released at the time of submission of Ten percent (10%) Performance Guarantee of the total contract value.

2.4. The bid security is required to compensate Sukkur IBA against the consequences of:

2.4.1. Subsequent unauthorized variations and/or modifications of the terms of bid.
2.4.2. Premature withdrawal of the bid before the completion of the bid evaluation.
2.4.3. Failure of the bidder to sign the resultant Contract, in the event of such Contract being awarded to it.

2.5. The successful bidder is required to deposit Ten percent 10% of total contract value as Performance Guarantee in the form of Bank Draft issued by a scheduled bank of Pakistan in favor of “Sukkur IBA” at the time of signing of contract agreement and will be released at the time of delivery of equipment at site.

2.6. Proposals sent to Sukkur IBA by fax or email will not be accepted.

2.8. An effort by a Bidder to influence Sukkur IBA, directly or indirectly THROUGH UNFAIR MEANS may result in the rejection of Bidder’s Proposal and black listing for any future tender of Sukkur IBA.

2.9. Prices quoted will be firm for the entire period of Contract. All prices to be quoted in Pak Rupees, and must clearly state all applicable taxes which must be included in quoted price.

3. HARDWARE AND SERVICE REQUIREMENTS
Following are the minimum requirements which the bidder/vendor for the equipments:

3.1 The Vendor must install all equipment and components and must ensure that the proposed equipment is fully operational and function properly at all variables.

3.2 Vendor must furnish components, wires, connectors, materials and parts, equipment for the complete installation of the system, in accordance with recommendations of the equipments manufacturer. Installation shall follow standard broadcast wiring and installation practice, and shall meet or exceed industry standards for such work.

3.3 Vendor must ensure that all systems are in first class working condition and free of short circuits, ground loops, video noise and excessive system noise or any fault affecting its efficiency/quality/life.

3.4 At time of installation, Vendor must provide owner’s manuals, manufacturer’s data sheets, and a complete equipment list.

3.5 At the time of installation, Vendor must provide comprehensive system schematics, labeling and showing detailed connections to all equipment.

4. SELECTION PROCEDURE

Sukkur IBA intent in issuing this RFP is to award a contract to the lowest and best responsive Vendor/Bidder who meets required standard of specifications and other factors. The Vendor’s past performance, cooperation, and ability to provide service and training are general factors that will be weighed in the selection process.

All Vendors will provide demo (proof of concept) to verify the claims in the Technical Specifications of the Brochures. This would also determine the quality and specifications of the equipments.
5. DELIVERY & INSTALLATION
Delivery and Installation should be at the Sites/Locations at the risk and cost of successful bidder.

6. TRAINING
Specialized Training is required for Assistant Engineer, Sub-Engineers and Electricians who will be the end users of the system.

7. WARRANTY
Following Warranty clauses are applicable:

The successful Bidders shall warrant the equipment and its components to be free from any sort of defects in material and workmanship for a minimum period of **1 year from date of completed installation** and shall repair or replace on a timely basis any defective component, assembly or portion free of cost. Technical support should be available on call basis. Each and every call will be attended by competent staff of the Bidder within 6 to 8 hours of its notification either on phone or in writing during business hours (9am - 5pm). Delay in attending the call and delay in rectification of fault will lead to consequential financial damages to the Vendor/Bidder.

8. SERVICES
8.1. Sukkur IBA shall promptly notify the supplier in writing of any claims arising under this warranty and the Vendor/Supplier will repair/replace the defective stores at reasonable speed but within the specified period and time & without any additional cost. Specifications, and/or other Contract commitments.

9. LIQUIDATED DAMAGES
Liquidated damages shall be applicable as under:

a) Delay of one week to handover the Equipments
   As per specifications = 0.5% of the total cost

b) Delay of two weeks to handover the equipments
   As per specifications = 1.0% of the total cost
c) Delay of three weeks to handover the Equipments as per specifications = 2.0% of the total cost
d) Delay of four weeks to handover the equipments As per specifications =4.0% of the total cost

10. TERMS OF PAYMENT
Payment of contract price shall be made in the following manner:
10.1. Fifty percent (50%) cost of import of equipment will be paid as advance payment against the Bank guarantee of equal amount, and will be released after successful delivery of all equipment at sites.
10.2. Ten percent (10%) cost of imported equipment price shall be payable to the Contractor upon successful delivery of the equipment at sites. The ultimate consignee will confirm the delivery of equipment and provide the invoices.
10.3. Thirty Five percent (35%) of the imported equipment price shall be payable to contractor upon successful installation, integration, testing & commissioning of all equipment including successful interoperability of equipment with a satisfactory working report from each locations as specified in this RFP.
10.4. Five Percent (5%) of the total contract value will be retained as security/retention money and will be released after warranty period.

11. CLARIFICATION AND AMENDMENT IN RFP DOCUMENT
A bidder requiring any clarification of the RFP Document may so notify to contacts given bellow in writing or via email.

Engr. Abdul Jabbar Soomro
Resident Engineer
Email: engineer@iba-suk.edu.pk

Phone: 071-5630272 Ext: 122    Fax: 071-5632465