

# **BIDDING DOCUMENTS**

## **CIVIL HOSPITAL KARACHI**

### **HEALTH DEPARTMENT**

### **GOVERNMENT OF SINDH**

**Contract NO:- PD-Trauma Centre-CHK/039 (Rev) 2015-16**

Supplying, Installation, Testing, Commissioning &  
Maintenance (during maintenance period) of  
**Library Furniture** for the project  
“Shaheed Mohtarma Benazir Bhutto Accident,  
Emergency & Trauma Centre and Ancillary Services  
Complex at Civil Hospital Karachi”

## **VOLUME-II**

## **FINANCIAL BID DOCUMENTS**

## **SUMMARY OF CONTENTS**

<b>S.NO</b>	<b>DESCRIPTION</b>	<b>PAGE</b>
<b>1.</b>	<b>TITLE</b>	<b>01</b>
<b>2.</b>	<b>SUMMARY OF CONTENTS</b>	<b>02</b>
<b>3.</b>	<b>FORM OF BID</b>	<b>03 TO 04</b>
<b>4.</b>	<b>BILL OF QUANTITY</b>	<b>05 TO 13</b>

# **FORM OF BID**

The Project Director,  
Shaheed Mohtarma Benazir Bhutto,  
Accident, Emergency & Trauma Centre,  
And Ancillary Services Complex At,  
Civil Hospital Karachi

Sub: Supplying, Installation, Testing, Commissioning and Maintenance (during maintenance period) of **Library Furniture** for the project Shaheed Mohtarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi

**Contract No. PD-Trauma Centre-CHK/039 (Rev) 2015-16**

**Dear Sir,**

1. Having examined the Tender Documents and the site conditions for the above mentioned Project, we, the undersigned offer to Supply, Installation, Testing, Commissioning and maintenance (during maintenance period) of the whole of the said works in conformity with the said tender Documents (and Addendum if any) for the sum of under-mentioned amount on DDP basis:-

Bid Price (In Figure):	
Bid Price (In Words):	

2. The above total sum is based on the quantities shown in the Bill of Quantities and other works as mentioned in Salient Features.
3. We undertake, if our tender is accepted, to sign an agreement within 15 calendar days following receipt of letter of award in the form laid out in annexure to this Tender with such alterations and additions thereto as may be required to adopt, such Agreement to circumstances of this Tender.
4. We undertake, if our Tender is accepted, to mobilize on site within 7 calendar days of receipt of the letter of award and commence the works on the first works comprised in the contract within the time of completion specified in the Salient Features.
5. We agree to abide by the Tender for a period of 90 calendar days from the date of opening of tender and shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this Tender together with your written acceptance thereof and other relevant correspondence subsequent to the Tender shall constitute a binding Contract between us.
7. We understand that you are not bound to accept the lowest or any tender you may receive, and that you will not reimburse any expenses incurred by us in preparing and submitting the Tender or otherwise in connection with the Tender.
8. As a guarantee for the performance of the undertakings and obligations of this Tender, we submit herewith Earnest Money/Bid Security equivalent to 1% of the quoted cost in an amount Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) in form of Pay Order issued by the Bank vide No. \_\_\_\_\_ dated \_\_\_\_\_ made in your favor and made payable to you without any reference to us and valid for 90 calendar days from the date of submission of Tender.
9. The Tender Documents referred to above constitute a part of this Tender and comprise of the documents listed hereunder:
  - a. Instructions to bidders.
  - b. Salient Features / Terms & Condition of the Tender.  
Questionnaire / Proforma – Evaluation Criteria
  - c. Form of Agreement.
  - d. Scope of work / Bill of Quantities / Specification (Technical).
  - e. The Addendum (if any).
  - f. The Drawings (if any).

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

Signature \_\_\_\_\_ in the capacity of \_\_\_\_\_ duly  
authorized to sign bids for and on behalf of \_\_\_\_\_

(Name of Bidder in Block Capitals)  
(Seal)

Address

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness:

(Signature) \_\_\_\_\_

(Name) \_\_\_\_\_

Address: \_\_\_\_\_

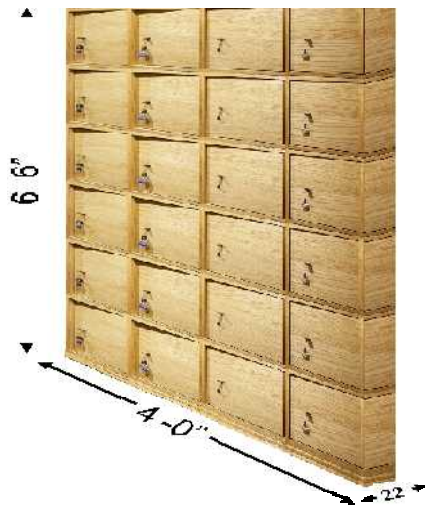

\_\_\_\_\_

Occupation \_\_\_\_\_


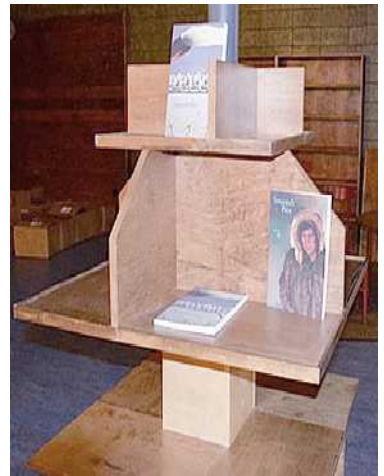
## BILL OF QUANTITY

Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of **Library Furniture** for the project Shaheed Mohtarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi

**CONTRACT NO. PD-TRAUMA CENTRE-CHK/039 (REV) 2015-16**

S.No	Specification	Qty	Unit	Unit Price	Total Amount
(1)	(2)	(3)	(4)	(5)	(6)
1.	<p><b><u>Hand Bags Keeping Rack</u></b></p> <ul style="list-style-type: none"> <li>Dimension: 6 1/2' (H) x 4' (L) X 22"(D)</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>Design as per picture or better</li> <li>Formica finished with Golden Teak wood lipping</li> <li>All edges supported by related wooden veneer beadings.</li> <li>Rack having 24 Nos. Pigeon Hole Units with Door lids with handle and locking system.</li> <li>Overall polish with sprit dana with lacquer with fine workmanship, smartly finished.</li> <li>All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	02	Nos.		
					
2.	<p><b><u>Circulation Counter</u></b></p> <ul style="list-style-type: none"> <li>Dimension: 10' (L) x 6' (L) x L shape x 42" (H) x 30"(H)x 24" (W)</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>Design as per pictures or better</li> <li>Formica finished with Golden Teak wood lipping</li> <li>All edges supported by related wooden veneers beadings.</li> <li>Consist of Computer Options, Keyboard trays, Drawers and Cabinets and Library Card Keeping Capacity.</li> <li>Overall polish with sprit dana with lacquer with fine workmanship, smartly finished.</li> <li>All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	01	No.		
					


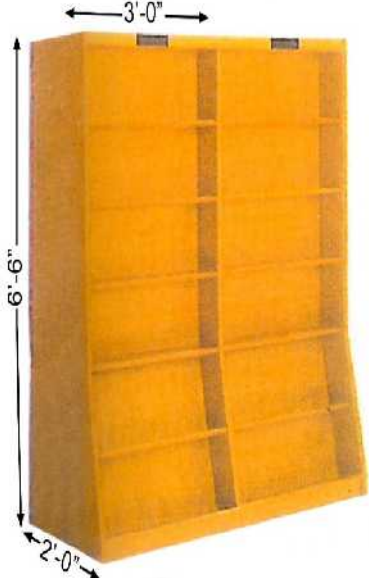

<p><b>3. <u>Counter Chair:</u></b></p> <ul style="list-style-type: none"> <li>• Dimension: Universal Standard Executive Wide</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>• Design as per picture or better</li> <li>• Universal Standard Size</li> <li>• Upper frame internally made up of Partial Wood supported with tyre patti, Cushion with Master Molty Foam or equivalent.</li> <li>• Upholstered with acrylic fabric shade approved by the concerned authorities.</li> <li>• Chair mounted on five legged (Taiwan Made), Hydraulic base on swivel castors with revolving and tilting system with fine workmanship, smartly finished.</li> <li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	<p><b>02</b></p> <p><b>Nos.</b></p>		
<p><b>4. <u>Librarian Officer Related Furniture Items</u></b></p> <ul style="list-style-type: none"> <li>• Wooden Office &amp; Side Table (Standard size &amp; Drawers with Lock)</li> <li>• Adjustable Revolving Chair</li> <li>• Visitors' Wooden Chair (4 Nos.)</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>• Design as per picture or better</li> <li>• Formica finished with Golden Teak wood lipping</li> <li>• All edges supported by related wooden vinears beadings</li> <li>• Overall polish with sprit dana with lacquar.</li> <li>• With Fine Workmanship. Smartly finished.</li> <li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	<p><b>01</b></p> <p><b>Set</b></p>		
<p><b>5. <u>Librarian Office Partition</u></b></p> <ul style="list-style-type: none"> <li>• L-Shape partititon for librarian office (wooden with glass).</li> <li>• Height 6ft 6inches, Length and width as per site.</li> </ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>• All material and wood matching with the furniture of SMBB Trauma Centre Library.</li> <li>• Formica finished with Golden Teak wood lipping</li> <li>• All edges supported by related wooden vinears beadings.</li> </ul>	<p><b>01</b></p> <p><b>No.</b></p>		

	<ul style="list-style-type: none"> <li>Overall polish with sprit dana with lacquer with fine workmanship, smartly finished.</li> <li>All material should be wood borer resistant, heavy density, branded warranted certified.</li> <li>Each wooden baton height should be 6.6ft x 3 x 2.6 inches</li> <li>Lower portion should be 3ft 6inches wooden panel on both sides above 3 ft height with 5mm clear or tinted glasses surrounded by heavy density frame work wood borer resistant.</li> <li>Door size: 3ftx6ft. 6inches with lock and handle including imported door closure.</li> <li>Sprit lacquer polish smartly finished.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>				
6.	<p><b><u>Dictionary Stand:</u></b></p> <ul style="list-style-type: none"> <li>Dimension: 20" (L) x 16" (D) x 40" (H)</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>Design as per pictures or better</li> <li>Made up of Heavy Density,</li> <li>Formica finished with Golden Teak wood lipping</li> <li>All edges supported by related wooden vinears beadings</li> <li>Overall polish with sprit dana with lacquer, with fine workmanship and smartly finished.</li> <li>All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	01	No.		
7.	<p><b><u>New Arrival Racks</u></b></p> <ul style="list-style-type: none"> <li>Dimension: 4' (L) x 16' (D) x 40" (H)</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>Design as per pictures or better</li> <li>Formica finished with Golden Teak wood lipping</li> <li>All edges supported by related wooden vinears beadings. Consist of 5mm clear glass front pockets to accommodate the new arrivals books and magazines.</li> <li>Overall polish with sprit dana with lacquer.</li> <li>With Fine Workmanship. Smartly finished.</li> <li>All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	01	No.		







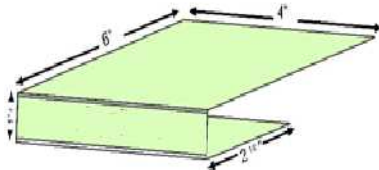

8.	<p><b><u>Newspapers Stand:</u></b></p> <ul style="list-style-type: none"><li>• Dimension: 3’ (L) x 2’ (D) x 30” upto 40” (H) in slant</li></ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"><li>• Design as per picture or better</li><li>• Formica finished with Golden Teak wood lipping</li><li>• Consist of Newspapers holding, rods smoothly finished, Overall polish with sprit dana with lacquer.</li><li>• With Fine Workmanship. Smartly finished.</li><li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li></ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	01	No.			
9.	<p><b><u>Library Reading Table:</u></b></p> <ul style="list-style-type: none"><li>• Dimension: 4 ½’ (L) x 2 ½’ (W) x 30” (H)</li></ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"><li>• Design as per pictures or better</li><li>• Formica finished with Golden Teak wood lipping</li><li>• Overall polish with sprit dana with lacquer with fine workmanship, smartly finished.</li><li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li></ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	04	Nos.			
10.	<p><b><u>Library Wooden Cushioned Chairs:</u></b></p> <ul style="list-style-type: none"><li>• Dimension: Universal Standard Executive Wide</li></ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"><li>• Design as per picture or better</li><li>• Standard Size.</li><li>• Formica finished with Golden Teak wood lipping</li><li>• Overall polish with sprit dana with lacquer.</li><li>• With fine workmanship.</li><li>• Smartly finished.</li><li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li></ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	50	Nos.			



11.	<p><b><u>Library Carrels:</u></b></p> <ul style="list-style-type: none"> <li>• Dimension: 3' (L) x 3' (D) x 4' (H)</li> <li>• Double Top 1<sup>st</sup> top (28") 2<sup>nd</sup> Top 46" (H)</li> </ul>	32	Nos.		
	<p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>• Design As per Picture,</li> <li>• Formica finished with Golden Teak wood lipping</li> <li>• All edges supported by related wooden vinears beadings.</li> <li>• For reading and research work hidden tube-light and plugs should be provided by the vendor.</li> <li>• Overall polish with sprit dana with lacquer.</li> <li>• With Fine Workmanship. Smartly finished.</li> <li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>				
12.	<p><b><u>Double Faced Library Racks:</u></b></p> <ul style="list-style-type: none"> <li>• Dimension: 3' (L) x 4" (D) x 6 ½' (H)</li> </ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>• Design As per approve picture.</li> <li>• Formica finished with Golden Teak wood lipping</li> <li>• All edges supported by related wooden vinear beadings. Consist of 5 Nos. adjustable shelves 1 Inch apart distance by means of special aluminum casted channels and hooks Gaylord style to accommodate the books.</li> <li>• Each sides of shelves should be carved.</li> <li>• Overall polish with sprit dana with lacquer.</li> <li>• With Fine Workmanship. Smartly finished.</li> <li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	15	Nos.		
13.	<p><b><u>Single Faced Library Racks:</u></b></p> <ul style="list-style-type: none"> <li>• Dimension: 3' (L) x 1" (D) x 6 ½' (H)</li> </ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>• Design As per approve picture.</li> <li>• Formica finished with Golden Teak wood lipping</li> <li>• All edges supported by related wooden vinear beadings. Consist of 5 Nos. adjustable shelves 1 Inch apart distance by means of special aluminum casted channels and hooks Gaylord style to accommodate the books.</li> </ul>	09	Nos.		

	<ul style="list-style-type: none"> <li>• 4 Shelves open style adjustable for latest books, and underneath portion with door with handle and locking system to store old material.</li> <li>• Overall polish with sprit dana with lacquer.</li> <li>• With Fine Workmanship. Smartly finished.</li> <li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>			
14.	<p><b><u>Generals / Periodicals Slant Rack:</u></b></p> <ul style="list-style-type: none"> <li>• Dimension: 3 ' (L) x 24" (D) x 6 ½' (H)</li> </ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>• Design As per picture.</li> <li>• Formica finished with Golden Teak wood lipping</li> <li>• All edges supported by related wooden vinear beadings. Consist of 5 Nos. slant shelves slide able to accommodate new journals by meansof special catchers &amp;5 adjustable shelves to store old materials</li> <li>• Overall polish with sprit dana with lacquer.</li> <li>• With Fine Workmanship. Smartly finished.</li> <li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	08	Nos.	
15.	<p><b><u>Two Sofa Seater with Arms:</u></b></p> <ul style="list-style-type: none"> <li>• Dimension: 5' (L) Seat: 21" x 21", Back: 21" x 16"</li> <li>• Universal Standard Executive Wide</li> </ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>• Design as per approved sample pre-existing / installed in Shaheed Mohtarma Benazir Bhutto Trauma Center.</li> <li>• Internally frame made up of partial wood, heavy tension strings, tyre patti, cushion with Master Molty foam or equivalent with fiber balls / acrylic fiber.</li> <li>• Upholstered with A-One drapery fabric or raxine.</li> <li>• Sofa mounted on wooden blocks.</li> <li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	03	Nos.	

16.	<p><b><u>Centre Table:</u></b></p> <ul style="list-style-type: none"> <li>Dimension: 40" (L) x 2' (W) x 18" (H) With Extra Glass Top</li> </ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>Design As per Picture,</li> <li>Formica finished with Golden Teak wood lipping</li> <li>All edges supported by related wooden vinear beadings.</li> <li>Frame made up of seasoned sheesham tali, drawers will be provided as per desire only.</li> <li>Overall polish with sprit dana with lacquer.</li> <li>5mm glass on upper top only.</li> <li>With Fine Workmanship. Smartly finished.</li> <li>All material should be wood borer resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	01	Nos.			
17.	<p><b><u>Book Shifting Trolley:</u></b></p> <ul style="list-style-type: none"> <li>Dimension: 3' (L) x 18" (W) x 30" (H) alongwith Caster Wheels</li> </ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>Design as per approved picture.</li> <li>Made up of 20 SWG MS Powder coated with center support for books in slant mounted on wheels 3" dia caster wheels 2 with brake 2 without brake.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	03	Nos.			
18.	<p><b><u>Pamphlet Boxes:</u></b></p> <ul style="list-style-type: none"> <li>Dimension: 4" (Front) x 9" (D) x 12" (H)</li> </ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>Design as per Picture.</li> <li>Size as per pamphlet mentioned above.</li> <li>Made up of 20 SWG MS dye pressed, colourful powder coated.</li> <li>Tyre Rubber sheet pasted in the basement of each pamphlet box.</li> <li>All material should be dully phosphate rust resistant, heavy density, branded warranted certified.</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	50	Nos.			
19.	<p><b><u>Book Support Mild Steel (Iron):</u></b></p> <ul style="list-style-type: none"> <li>Dimension: 6" (L) x 6" (D) x 8" (H)</li> </ul>	150	Nos.			

	<p><b>Technical Specifications</b></p> <ul style="list-style-type: none"><li>• Design as per picture.</li><li>• Size as mentioned above.</li><li>• Made up of 20 SWG MS, dye pressed, Colourful Powder coated.</li><li>• Tyre Rubber sheet pasted in the basement of each book support.</li><li>• All material should be dully phosphate rust resistant, heavy density, branded warranted certified.</li></ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>			
20.	<p><b><u>Subject Indicator Mild Steel (Iron):</u></b></p> <ul style="list-style-type: none"><li>• Dimension: 6'' (L) x 4'' (D) x 1' (Front)</li></ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"><li>• Design as per Picture.</li><li>• Made up of 20 SWG MS, dye pressed, Colourful Powder coated.</li></ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	150	Nos.	
21.	<p><b><u>Audio Visual Cabinet / Trolley:</u></b></p> <ul style="list-style-type: none"><li>• Dimension: 4' (L) x 16'' (D) x 6 1/2' (H)</li></ul> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"><li>• Design as per picture.</li><li>• Size as mentioned above.</li><li>• Formica finished with Golden Teak wood lipping</li><li>• All edges supported by related wood beadings.</li><li>• Space or drawers provide for CD's and Video Cassettes as per size.</li><li>• Overall polish with sprit dana with lacquer.</li><li>• All material should be wood borer resistant, heavy density, branded warranted certified.</li></ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period</p> <p><b>Country of Origin: Local (Superior Export Quality) or Equivalent</b></p>	01	No.	
22.	<p><b><u>Books Tracking System for Library</u></b></p> <ul style="list-style-type: none"><li>• The Books Tracking System for Library should be an anti-theft system placed at the main entrance of Library.</li></ul>	1	Unit	

<p><b>Technical Specification:</b></p> <ul style="list-style-type: none"> <li>• Design as per picture.</li> <li>• Books Tracking System should have:</li> </ul> <p><b>1) Antenna (1 No.)</b>  Low-end pedestal use dual RF types with a detection range of 120 to 130 cm for soft labels.  Midrange unit DSP-based feelers capable of 150 to 160 cm and 200 cm.  In the high end, mono antennas effective upto 160 and 80 cm range on each side for pencil tags and labels, respectively.  Dual-antenna acousto-magnetic or AM technology is an option to RF, and enables detection within 230cm for pencil tags and 130cm for EAS labels.  Systems that combine RF and AM belong to the upscale category.</p> <p><b>2) Deactivator (1 No.)</b></p> <ul style="list-style-type: none"> <li>• Units in mainstream systems can disable the signal of two pieces of tags or labels as per second within 20cm.</li> <li>• Device includes an LED indicator and produce on audio prompt.</li> <li>• Should integrate a 250x250mm panel and support multiple installation modes.</li> </ul> <p><b>3) Sensor Pedestal Frame (1 No.)</b>  Entry-level sensor pedestal have aluminum alloy or stainless steel bodies, and midrange models plastic coated or painted stainless steel or aluminum alloy. Upscale types use frameless acrylic materials.</p> <p><b>4) Tag / Labels (10,000 Nos. or as per requirements)</b></p> <ul style="list-style-type: none"> <li>• Soft RF labels should be made of rolled plastic or paper substrate and are at least 31x31mm.</li> <li>• AM labels or tags should be of soft or hard plastic and measure at least 44.5x11.1x2mm.</li> <li>• RF labels operate on 8.2MHz, and AM tags on 58KHz</li> </ul> <p>Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)</p> <p><b>Country of Origin: Taiwan or Equivalent</b></p>	  
--	---

**GRAND TOTAL: RS.** \_\_\_\_\_

**GRAND TOTAL IN PAK RUPEES** \_\_\_\_\_

\_\_\_\_\_  
**SIGNATURE**

\_\_\_\_\_  
**CONTRACTOR NAME**

\_\_\_\_\_  
**DATE & SEAL**