

REPUBLIC OF KENYA



KISII COUNTY GOVERNMENT



ARAB BANK FOR ECONOMIC
DEVELOPMENT IN AFRICA



SAUDI FUND FOR
DEVELOPMENT



MINISTRY OF HEALTH
TENDER DOCUMENT FOR
PROPOSED CANCER CENTRE AT
THE KISII TEACHING AND REFERRAL HOSPITAL
EXTRA LOW VOLTAGE INSTALLATIONS
FORM OF TENDER
BILLS OF QUANTITIES

REF: No. MOH/NCCP/ICB/001/2021-2022

Volume II (3 of 3) (b) of VI

CLOSING DATE: WEDNESDAY, 24TH NOVEMBER 2021 AT 11.00 A.M. LOCAL TIME

SCHON ASSOCIATES



**NARCO ENGINEERING
CONSULTANTS**



PROPOSED CANCER CENTRE AT THE KISII TEACHING AND REFERRAL HOSPITAL

EXTRA LOW VOLTAGE INSTALLATIONS

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SECTION 1

Signature Page

Form of Tender

**PROPOSED CANCER CENTRE AT
THE KISII TEACHING AND REFERRAL HOSPITAL**

BILLS OF QUANTITIES

FOR

EXTRA LOW VOLTAGE (ELV) SYSTEMS INSTALLATIONS

Preamble

Supplied as part of the Main Tender for the Security Installations at the:

PROPOSED CANCER CENTRE AT THE KISII TEACHING AND REFERRAL HOSPITAL

ISSUED BY:

The Principal Secretary,
Ministry of Health,
P.O. Box 30016-00100,
Nairobi

PREPARED BY:

Schon & Associates
P.O. Box 38601-00100
Nairobi

The Tender for the above-mentioned works dated this _____ day of _____ 2021 by the undersigned parties refers to the Bills of Quantities consisting of the pages numbered on contents page.

.....

SUB-CONTRACTOR

Date2021

.....

MAIN CONTRACTOR

Date 2021

SIGNATURE PAGE

FORM OF TENDER

To,

The Principal Secretary,
Ministry of Health,
P.O. Box 30016-00100,
Nairobi

Sirs,

**PROPOSED CANCER CENTRE AT THE KISII TEACHING AND REFERRAL HOSPITAL
EXTRA LOW VOLTAGE (ELV) SYSTEMS INSTALLATIONS**

1.01 I/We (Names) under and subject to the Conditions of Tendering annexed hereto, hereby tender and offer to execute and perform the works and provisions and supply all labour and materials and everything of every kind respectively named, shown, described and alluded to in, or to be inferred from the Kenya Association of Building and Civil Engineering Contractors (K.A.B.C.E.C.) Form of Sub-Contract Agreement, the General Conditions of Sub-Contract, Specification and Bills of Quantities and Drawings to be executed and supplied on the part of the Sub-Contractor, for the Works above described for the Sum of:-

United States Dollar
(in words).

.....
.....

USD.....(in figures)

1.02 I/We agree to phase the sub-contract work in accordance with the building programme to be agreed with the main Contractor at the time of letting the Main and Sub-Contracts.

1.03 I/We further agree to be bound by and submit to the said General Conditions of Sub-Contract and priced Specification and Bills of Quantities which shall form a basis for valuation of interim Certificates and any extra or omitted work which may from time to time be ordered by the Architect.

2.01 Whereas it is understood that you reserve to yourself the right to accept or to refuse this tender whether it be lower or higher than any other tender, or of the same amount, the undersigned agree(s) that this tender shall remain valid and shall not be withdrawn within ninety (120) days from the final date for the submission of Tenders stipulated in the Conditions of Tendering.

3.01 And further, the undersigned agree(s), in the event of your acceptance of this tender, to execute the formal Sub-Contract Agreement within seven (7) days from posting, or delivery if by hand, of notification of acceptance.

Signature of Tenderers:

Name of Tenderer:

Address:

Date:

Signature of Witness:

Name of Witness:

Address:

Date:

NOTE: Tenderers are not required to attach the Surety Undertaking, duly signed by the Surety, to this Form of Tender. However, a performance bond will be executed on being successful before contract signature.

SECTION 2

General

Pricing of Items in the Bill of Quantities

2 BILLS OF QUANTITIES

2.1 General Directions

- (a) The Bills of Quantities are to be read in conjunction with the Conditions of Contract, the Technical Specification, the Data Schedules and the Drawings for details of the description, quality, tests and strengths of materials to be used and the workmanship, conditions, obligations, liabilities described in the Conditions of Contract, the Specification, the Data Schedules and the Bills of Quantities including all overhead charges and profit and carrying out of the Works shall be deemed to be spread over and included in the prices and sums in this Bill of Quantities.
- (b) Each item which the Tenderer proposes to supply shall be priced by Tenderer with the exception of the item for which Provisional Sums have been allowed. The Tenderer shall insert in the appropriate column against each item allocated in United States Dollar (USD) as required by him and payments shall be made according to this allocation in the event of a contract.

If the Tenderer omits to price any item in the Bills of Quantities then the cost of such items will be held to be spread over and included in the prices given for other items of work.

- (c) The Total of Tender for the ELV Systems shall be carried to the Main Summary section 6. The Total of Tender for the security services shall include for the design, manufacture, inspection and testing, packing for shipment, insurance, customs, dues, delivery to site, unloading, and all other charges, complete erection, testing, setting to work, finishing, painting, maintenance for a period of six calendar months and the instruction period all to the satisfaction of the Engineer, of the items of Plant described or implied within the Specification and shown on the Drawings.
- (d) Provisional Sums may be expended in part, in whole or totally deleted from the Contract. The Tenderer shall take this into consideration when pricing the tender as no claims for loss of profit, etc will be entertained.

It shall be deemed that the contractor has included for all requirements contained within the Specification, Drawings, Data Schedules and Bills of Quantities.

- (e) For information and to assist the contractor in pricing the Bills of Quantities and the Schedule of Rates, the following Scope of Contract have been included, these details having formed part of the Main Tender Documents.
- (f) Irrespective of the requirements contained within the East African Standard method of Measurement it shall be deemed that the contractor has included all requirements contained within the Specification, Drawings, Schedules and Bills of Quantities.

2.1 Particular Instructions for Pricing of Items in the Bills of Quantities

1. Cables

- (a) Cables shall be measured, the net length between termination points and the rates entered shall be deemed to include for all snaking, tails and the like.
- (b) Unless otherwise stated, the rates entered shall include as necessary, for all trenching, sanding, tiling, backfilling, consolidation, lugs, compound, insulating and identifying tails/wiring, earth bonds, route markers, supports, fixings, cable tray and any necessary drilling and packing to boards, panels and the like, all as required to complete the cable/wiring installation to meet the requirements of the Specification and details included on the drawings. The trenching rates shall be for excavation in any material to depth of 1000mm.

2. Conduit, Trunking and Tray

Conduit, trunking and tray shall be provided as specified and indicated on the Drawings and shall be measured over all fittings and cable runs as necessary. The rates entered shall be deemed to include for all fittings, fixings, supports, brackets, hangers, earthing strips, accessories and the like as necessary to meet fully the requirements of the installation.

3. General

It shall be the responsibility of the Tenderer to ensure that his prices include for all items necessary to complete the installation whether or not the items have been specifically identified within the Bills of Quantities. The Tenderer's prices shall include for all nuts, bolts, washers, fixings, supports and the like as necessary.

Proposed Cancer Center at Kisii Teaching and Referral Hospital

Bill of Quantities for Extra Low Voltage Installations

B	<u>STRUCTURED CABLING SYSTEM</u>				
	<u>CABLING</u>				
B/1	Supply, install, connect, test and commission Single Data/ Telephone Outlet cabling, with Copper cable, category 7 F/FTP, low smoke zero halogen (LSZH), 4-pair, conductors with PE insulation, twisted in pairs, wrapped in foil, surrounded by an overall metallic foil shield and protected by a low smoke, flame retardant LSZH jacket as Siemon connected to Data Rack located in wiring center, drawn in PVC HG conduit including all necessary accessories and ancillary works and materials required for a complete and a fully functional installation as specified and as indicated on the drawings.	No.	1,140		
B/2	Ditto as item above but for voice outlet	No.	275		
B/3	Ditto as item above but for for 1No.Data (Wireless Access Point)	No.			
B/4	Ditto as item above but for for 1No.Data (IP CCTV camera)	No.	195		
B/5	Supply, install, connect, test and commission of Backbone fibre optic cable tight buffered, internal only application, OM5, 50/125 12 core multimode fibre, LSOH sheathed including; multimode connectors, couplers and termination and all necessary accessories and ancillary works and materials required for complete fully functional installation as specified and as indicated on the drawings as Siemon.	m	2,500		
B/6	Supply, install, connect, test and commission Backbone single mode 9/125 fibers optic cable OM5 including all necessary accessories and ancillary works and materials required for a complete and fully functional installation as specified and as	m	500		
B/7	Supply and install Category 7, 10 Gb/s S/FTP patch cord with TX6A™ 10Gig™ Modular Plugs on each end. International Gray, 1 meters as Siemon or approved equivalent.	No.	1,000		
B/8	Ditto as item above but 3 meters .	No.	600		
	Sub-total Carried forward to next page				

Proposed Cancer Center at Kisii Teaching and Referral Hospital

Bill of Quantities for Extra Low Voltage Installations

	Brought forward from previous page				
B/20	SERVER ROOM DATA RACK CABINET: Supply, Install, Connect, test and commission ICT 42U (1200mm x 800mm) Powder Coated free standing cabinet complete with with 2 No. rack mounted power distribution units, 13 amps - 12 outlets, surge protection, Fan Trays, connection to Telecom Grounding Bar, vertical and horizontal management, glass door, labeling and all necessary accessories and ancillary works and materials required for complete installation as specified and as indicated on the drawings:	No.	2		
B/21	INTERNET SERVICE PROVIDER CABLE TERMINATION RACK CABINET: Supply, Install, Connect, test and commission ICT 42U (800mm x 800mm) Powder Coated free standing cabinet complete with with 2 No. rack mounted power distribution units, surge protection, Fan Trays, connection to Telecom Grounding Bar, vertical and horizontal management, glass door, labeling and all necessary accessories and ancillary works and materials required for complete installation and operation as specified and as indicated on the drawings:	No.	2		
B/22	Testing and commissioning of Structured Cabling system	Item	1		
Total for Structured Cabling Carried forward to the Summary Page					

SECTION 3

Extra Low Voltage Systems

Main Summary

