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PROCUREMENT AND DISPOSAL UNIT

**Subject of
Procurement:**

**Supply and installation of
local area networks**

**Procurement
Reference Number:**

MUK/SPLS/2008-09/00028

**Procurement
Method:**

OPEN DOMESTIC BIDDING

Date of Issue:

2nd September 2008

PREFACE

1. This Standard Bidding Document (SBD) document has been prepared by the Public Procurement and Disposal of Assets Authority (PPDA) for use by Procuring and Disposing Entities (PDEs) for the procurement of Supplies. The procedures and practices presented in this SBD have been developed to reflect the requirements of the Public Procurement and Disposal of Assets Act No. 1/2003 and the Public Procurement and Disposal of Assets Regulations No. 70/2003 and the best international procurement practices.
2. This SBD for the Procurement of Supplies is suitable for use under Open (International or Domestic) Bidding procurement method with or without pre-qualification. It is also suitable for the Restricted (International or Domestic) Bidding procurement methods. The SBD may also be used for procurement under the Direct Procurement method with appropriate modifications to the documents.
3. For procurement under the Quotations Procurement Method a simpler SBD has been developed for this purpose which is the Request for Quotations and Purchase Order and is generally more appropriate for this method.
4. This SBD can be used for lump-sum works and framework contracts. The User Guide to this SBD indicates the circumstances in which their use is most appropriate.
5. This SBD provides recommended wording for Technical Compliance Selection (TCS) as the preferred evaluation methodology for Supplies.
6. Before using this SBD, the user should be familiar with the PPDA Act and Regulations and should read the User Guide to this SBD which has been prepared to provide guidance to public officials in the correct use of the Standard Bidding Document (SBD) for Works as a model for preparing an individual Bidding Document.

The Public Procurement and Disposal of Assets Authority welcomes any feedback or comments from the users of this SBD which will assist in improving this document.

**The Executive Director,
Public Procurement and Disposal of Assets Authority
P.O. Box 3925,
KAMPALA.**

Standard Bidding Document

Table of Contents

Part 1- Standard Invitation to Bidders

Bid Notice

Letter of Invitation

Part 2 – Bidding Procedures

Section 1 – Instructions to Bidders

Section 2 – Bid Data Sheet

Section 3 – Evaluation Methodology and Criteria

Section 4 – Bidding Forms

Section 5 – Eligible Countries

Part 3 – Statement of Requirements

Section 6 – Statement of Requirements

Part 4 – Contract

Section 7 – General Conditions of Contract for the Procurement of Supplies

Section 8 – Special Conditions of Contract

Section 9 – Contract Forms

BID NOTICE UNDER OPEN BIDDING

INVITATION TO BID FOR SUPPLY AND INSTALLATION OF LOCAL AREA NETWORKS

Procurement Reference Number: MUK/SPLS/2008-09/00028

1. The Swedish International Development Cooperation Agency, Sida, through its Department for Research Cooperation, SAREC, has under its phase III programme granted funds to Makerere University to support its integration of information and communication technology into all the university functions. Part of the proceeds from this grant are to be applied to the supply and installation of Local Area Networks.
2. Makerere University invites sealed bids from eligible and suitably qualified bidders for the supply and installation of Local Area Networks.
3. Bidding will be conducted in accordance with the open domestic bidding procedures contained in the Government of Uganda's Public Procurement and Disposal of Public Assets Act, 2003, and is open to all bidders from Uganda.
4. Interested eligible bidders may obtain further information from **Procurement & Disposal Unit, A5, Lincoln Flats** and inspect the bidding documents at the address given below at 8(a) during working hours.
5. A complete set of Bidding Documents in English may be collected by interested bidders from the address below at 8(b) upon payment of a non-refundable fee of Shs.100,000= (one hundred thousand shillings only). The method of payment will be either bank draft in the names of Makerere University Council or cash payment at Stanbic Bank, Makerere Branch, A/C No. 0140018638901 and thereafter get a receipt from the University Revenue Office in the Main Building.
6. Bidders are invited to attend a pre-bid meeting on **Tuesday, 16th September 2008 at 10.00 am** in the Senior Common Room, Main Administration Building to enable them seek and get clarifications on the bidding document and details for inspection of the installation sites.
7. Bids must be delivered to the address below at 8(c) at or before **Wednesday 8th October, 2008 at 10.00 a.m.** Late bids shall be rejected. Bids will be opened in the presence of the bidders' representatives, who choose to attend at the address below at 8(d) at 10.15 a.m. of **Wednesday 8th October, 2008.**
8. (a) Address documents may be inspected at: **Procurement & Disposal Unit, A5, Lincoln Flats**
(b) Address documents will be issued from: **Procurement & Disposal Unit, A5, Lincoln Flats**
(c) Address Bids must be delivered to: **Procurement & Disposal Unit, A5, Lincoln Flats**
(d) Address of Bid Opening: **Senior Common Room, Main Administration Building.**
9. Makerere University reserves the right to accept or reject any bid or all bids

PART 2 – Bidding Procedures

Section 1 – Instructions to Bidders

Section 2 – Bid Data Sheet

Section 3 – Evaluation Methodology and Criteria

Section 4 – Bidding Forms

Section 5 – Eligible Countries

PART 3 - Statement of Requirements

Section 6 – Statement of Requirements

PART 4 – Contract Forms

Section 7 – General Conditions of Contract for
the Procurement of Supplies

Section 8 – Special Conditions of Contract

Section 9 – Contract Forms

Section 1. Instructions to Bidders

Table of Contents

A	General.....	2
1.	Scope of Bid.....	2
2.	Source of Funds	2
3.	Corrupt Practices.....	2
4.	Eligible Bidders	3
5.	Eligible Supplies and Related Services.....	4
B.	Bidding Document	5
6.	Contents of Bidding Document.....	5
7.	Clarification of Bidding Document.....	6
8.	Amendment of Bidding Document	6
C.	Preparation of Bids	6
9.	Cost of Bidding	6
10.	Language of Bid and Communications.....	6
11.	Documents Comprising the Bid	7
12.	Bid Submission Sheet and Price Schedules	7
13.	Alternative Bids	8
14.	Bid Prices and Discounts	8
15.	Currencies of Bid	10
16.	Documents Establishing the Eligibility of the Bidder.....	10
17.	Documents Establishing the Eligibility of Supplies.....	10
18.	Documents Establishing the Conformity of the Supplies	10
19.	Documents Establishing the Qualifications of the Bidder	11
20.	Period of Validity of Bids	11
21.	Bid Security	11
22.	Format and Signing of Bid.....	12
D	Submission and Opening of Bids	12
23.	Sealing and Marking of Bids	12
24.	Deadline for Submission of Bids	13
25.	Late Bids	13
26.	Withdrawal and Replacement of Bids	13
27.	Bid Opening	14
E.	Evaluation of Bids	14
28.	Confidentiality	14
29.	Clarification of Bids.....	15
30.	Compliance and Responsiveness of Bids.....	15
31.	Nonconformities, Errors, and Omissions	15
32.	Preliminary Examination of Bids – Eligibility and Administrative Compliance	16
33.	Detailed Commercial and Technical Evaluation.....	17
34.	Conversion to Single Currency	17
35.	Margin of Preference	17
36.	Financial Comparison of Bids.....	17
37.	Determination of Best Evaluated Bid(s)	18
38.	Post-qualification of the Bidder	18
39.	Procuring and Disposing Entity's Right to Accept or Reject Any or All Bids	18
F.	Award of Contract	19
40.	Award Procedure	19
41.	Procuring and Disposing Entity's Right to Vary Quantities at Time of Award.....	19
42.	Notification of Award and Letter of Bid Acceptance	19
43.	Signing of Contract	19
44.	Performance Security	19

Section 1. Instructions to Bidders

A General

1. Scope of Bid

- 1.1 The Procuring and Disposing Entity indicated in the Bid Data Sheet (BDS), invites bids for the provision of Supplies and related Services incidental thereto as specified in Section 6, Statement of Requirements. The Instructions to Bidders should be read in conjunction with the BDS. The subject and procurement reference number, and number of lots of this Bidding Document are provided in the BDS.
- 1.2 Throughout these Bidding Documents:
 - (a) the term “in writing” means communicated in written form with proof of receipt;
 - (b) if the context so requires, singular means plural and vice versa; and
 - (c) “day” means working day.

2. Source of Funds

- 2.1 The Procuring and Disposing Entity indicated in the BDS has an approved budget from Donor funds towards the cost of the procurement named in the BDS. The Procuring and Disposing Entity intends to use these funds to place a contract for which these Bidding Documents are issued.
- 2.2 Payments will be made directly by the Procuring and Disposing Entity and will be subject in all respects to the terms and conditions of the resulting contract placed by the Procuring and Disposing Entity.

3. Corrupt Practices

- 3.1 It is the Government of Uganda’s policy to require that Procuring and Disposing Entities, as well as Bidders and Providers observe the highest standards of ethics during procurement and the execution of contracts. In pursuit of this policy, the Government of Uganda represented by the Public Procurement and Disposal of Public Assets Authority (herein referred to as the Authority);
 - (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” includes the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
 - (ii) “fraudulent practice” includes a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring and Disposing Entity, and includes collusive practices among Bidders prior to or after bid submission designed to establish bid prices at artificial, non competitive levels and to deprive the Procuring and Disposing Entity of the benefits of free and open

competition;

- (b) will reject a recommendation for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the Contract;
 - (c) will suspend a Provider from engaging in any public procurement proceeding for a stated period of time, if it at any time determines that the Provider has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government contract.
- 3.2 Furthermore, Bidders shall be aware of the provision stated in Sub-Clause 3.2 and Sub-Clause 35.1 (a)(iii) of the General Conditions of Contract.
- 3.3 In pursuit of the policy defined in Sub-Clause 3.1, the Procuring and Disposing Entity may terminate a contract for Supplies if it at any time determines that corrupt or fraudulent practices were engaged in by representatives of the Procuring and Disposing Entity or of a Bidder or Provider during the procurement or the execution of that contract, without the Procuring and Disposing Entity having taken timely and appropriate action satisfactory to the Government to remedy the situation.
- 3.4 In pursuit of the policy defined in Sub-clause 3.1, the Government of Uganda requires representatives of both the Procuring and Disposing Entities and of Bidders and Providers to adhere to the relevant codes of ethical conduct. The Code of Ethical Conduct for Bidders and Providers is available from the Authority and Bidders are required to indicate their acceptance of this Code through the declarations in the Bid Submission Sheet.
- 3.5 Any communications between a Bidder and the Procuring and Disposing Entity related to matters of alleged fraud or corruption must be made in writing and addressed to the Accounting Officer of the Procuring and Disposing Entity.

4. Eligible Bidders

- 4.1 A Bidder, and all parties constituting the Bidder, shall meet the following criteria to be eligible to participate in public procurement:
- (a) the bidder has the legal capacity to enter into a contract;
 - (b) the bidder is not:
 - (i) insolvent;
 - (ii) in receivership;
 - (iii) bankrupt; or
 - (iv) being wound up
 - (c) the bidder's business activities have not been suspended;
 - (d) the bidder is not the subject of legal proceedings for any of the circumstances in (b); and
 - (e) the bidder has fulfilled his or her obligations to pay taxes and social security contributions.

- 4.2 A Bidder may be a natural person, private entity, government-owned entity, subject to ITB Sub-Clause 4.6, any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a joint venture, consortium, or association. In the case of a joint venture, consortium, or association, unless otherwise specified in the BDS, all parties shall be jointly and severally liable.
- 4.3 A Bidder, and all parties constituting the Bidder including sub-contractors, shall have the nationality of an eligible country, in accordance with Section 5, Eligible Countries. A Bidder shall be deemed to have the nationality of a country if the Bidder is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors for any part of the Contract including related services.
- 4.4 A Bidder shall not have a conflict of interest. All Bidders found to be in conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if they:
- (a) have controlling shareholders in common; or
 - (b) receive or have received any direct or indirect subsidy from any of them; or
 - (c) have the same legal representative for purposes of this bid; or
 - (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder, or influence the decisions of the Procuring and Disposing Entity regarding this bidding process; or
 - (e) submit more than one bid in this bidding process, except for alternative offers permitted under ITB Clause 13. However, this does not limit the participation of subcontractors in more than one bid, or as Bidders and subcontractors simultaneously; or
 - (f) participated as a consultant in the preparation of the design or technical specifications of the Supplies and related services that are the subject of the bid.
- 4.5 A firm that is under a declaration of suspension by the Authority in accordance with ITB Clause 3.1 (c), at the date of the deadline for bid submission or thereafter, shall be disqualified.
- 4.6 Government-owned enterprises shall be eligible only if they can establish that they are legally and financially autonomous and operate under commercial law.
- 4.7 Bidders shall provide such evidence of their continued eligibility satisfactory to the Procuring and Disposing Entity, as the Procuring and Disposing Entity shall reasonably request.

5. Eligible Supplies and Related Services

- 5.1 All Supplies and related Services to be supplied under the Contract shall have as

their country of origin an eligible country in accordance with Section 5, Eligible Countries.

- 5.2 For purposes of this Clause, the term “Supplies” means goods, raw materials, products, equipment or objects of any kind and description in solid, liquid or gaseous form, or in the form of electricity, or intellectual and proprietary rights as well as works or services incidental to the provision of such supplies where the value of such works or services does not exceed the value of the supplies.
- 5.3 The term “country of origin” means the country where the Supplies have been mined, grown, cultivated, produced, manufactured, or processed, or through manufacture, processing, or assembly, another commercially recognised article results that differs substantially in its basic characteristics from its imported components.
- 5.4 The nationality of the Provider that produces, assembles, distributes, or sells the Supplies shall not determine their origin.
- 5.5 If so required in the BDS, the Bidder shall demonstrate that it has been duly authorised by the Manufacturer of the Supplies to supply, in the Republic of Uganda, the Supplies indicated in its bid .

B. Bidding Document

6. Contents of Bidding Document

- 6.1 The Bidding Document consists of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any addenda issued in accordance with ITB Clause 8.

PART 1 Bidding Procedures

- Section 1. Instructions to Bidders (ITB)
- Section 2. Bid Data Sheet (BDS)
- Section 3. Evaluation Methodology and Criteria
- Section 4. Bidding Forms
- Section 5. Eligible Countries

PART 2 Statement of Requirements

- Section 6. Statement of Requirements

PART 3 Contract

- Section 7. General Conditions of Contract (GCC) for the Procurement of Supplies
- Section 8. Special Conditions of Contract (SCC)
- Section 9. Contract Forms

- 6.2 The Bid Notice or any Pre-qualification Notice is not part of the Bidding Document.
- 6.3 Bidders who did not obtain the Bidding Document directly from the Procuring and Disposing Entity will be rejected during evaluation. Where a Bidding Document is obtained from the Procuring and Disposing Entity on a Bidder’s behalf, the Bidder’s name must be registered with the Procuring and Disposing Entity at the

time of sale and issue.

- 6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document, may result in the rejection of the bid.

7. Clarification of Bidding Document

- 7.1 A prospective Bidder requiring any clarification of the Bidding Document shall contact the Procuring and Disposing Entity in writing at the Procuring and Disposing Entity's address indicated in the BDS. The Procuring and Disposing Entity will respond in writing to any request for clarification, provided that such request is received no later than the number of days prior to the deadline for submission of bids indicated in the BDS. The Procuring and Disposing Entity shall forward copies of its response to all Bidders who have acquired the Bidding Document directly from it, including a description of the inquiry but without identifying its source. Should the Procuring and Disposing Entity deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so following the procedure under ITB Clause 8 and Sub-Clause 24.2.

8. Amendment of Bidding Document

- 8.1 At any time prior to the deadline for submission of bids, the Procuring and Disposing Entity may amend the Bidding Document by issuing addenda.
- 8.2 Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document directly from the Procuring and Disposing Entity.
- 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Procuring and Disposing Entity may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Sub-Clause 24.2.

C. Preparation of Bids

9. Cost of Bidding

- 9.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring and Disposing Entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

10. Language of Bid and Communications

- 10.1 The medium of communication shall be in writing unless otherwise specified in the BDS.
- 10.2 The bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring and Disposing Entity, shall be written in English unless otherwise specified in the BDS.
- 10.3 Supporting documents and printed literature that are part of the bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the bid, such translation shall govern.

11. Documents Comprising the Bid

11.1 The bid shall comprise the following:

- (a) the Bid Submission Sheet and the applicable Price Schedules, in accordance with ITB Clauses 12, 14, and 15;
- (b) a Bid Security, in accordance with ITB Clause 21;
- (c) written confirmation authorising the signatory of the bid to commit the Bidder, in accordance with ITB Clause 22;
- (d) documentary evidence in accordance with ITB Clause 16 establishing the Bidder's eligibility to bid;
- (e) documentary evidence in accordance with ITB Clause 17 establishing that the Supplies and Related Services to be supplied by the Bidder are of eligible origin;
- (f) documentary evidence in accordance with ITB Clauses 18 and 30, that the Supplies and Related Services conform to the Bidding Documents;
- (g) documentary evidence in accordance with ITB Clause 19 establishing the Bidder's qualifications to perform the contract if its bid is accepted; and
- (h) any other document(s) required in the BDS.

12. Bid Submission Sheet and Price Schedules

12.1 The Bidder shall submit the Bid Submission Sheet using the form provided in Section 4, Bidding Forms. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested, which includes:

- (a) the reference of the Bidding Document and the number of each addenda received;
- (b) a brief description of the Supplies and Related Services offered;
- (c) the total bid price;
- (d) any discounts offered and the methodology for their application;
- (e) the period of validity of the bid ;
- (f) a commitment to submit any Performance Security required and the amount;
- (g) a declaration of nationality of the Bidder;
- (h) a commitment to adhere to the Code of Ethical Conduct for Bidders and Providers;
- (i) a declaration that the Bidder, including all parties comprising the Bidder, is not participating, as a Bidder, in more than one bid in this bidding process; except for alternative bids in accordance with ITB Clause 13;
- (j) confirmation that the Bidder has not been suspended by the Authority;

Part 2: Section 1 Instructions To Bidders

- (k) a declaration on gratuities and commissions; and
 - (l) an authorised signature.
- 12.2 The Bidder shall submit the Price Schedule for Supplies and Related Services, using the format provided in Section 4, Bidding Forms. The Price Schedule shall include, as appropriate:
- (a) the item number;
 - (b) a brief description of the Supplies or Related Services to be supplied;
 - (c) their country of origin and percentage of Ugandan content;
 - (d) the quantity;
 - (e) the unit prices;
 - (f) customs duties and all taxes paid or payable in Uganda;
 - (g) the total price per item;
 - (h) subtotals and totals per Price Schedule; and
 - (i) an authorised signature.

13. Alternative Bids

- 13.1 Alternative bids shall not be considered unless otherwise indicated in the BDS.
- 13.2 Where permitted, alternative bids do not need to conform precisely to the Statement of Requirements, but must -
- (a) meet the objectives and/or performance requirements prescribed in the Statement of Requirements;
 - (b) be substantially within any delivery or completion schedule, budget or other performance parameters stated in the solicitation document; and
 - (c) clearly state the benefits of the alternative bid over any solution which conforms precisely to the Statement of Requirements, in terms of technical performance, price, operating costs or any other benefit.
- 13.3 A bidder may submit both a main bid which conforms precisely to the Statement of Requirements and an alternative bid.
- 13.4 Where a bidder submits more than one bid, each bid shall be submitted as a completely separate bid and shall conform to the instructions for preparation and submission of bids in its own right, without any reliance on any other bid. In particular, each bid shall be separately signed, authorised, sealed, labelled and submitted in accordance with the instructions for submission of bids and shall be accompanied by a separate Bid Security, if so required. Such bids shall be labelled “Main Bid” and “Alternative Bid”.
- 13.5 The evaluation of alternative bids shall use the same methodology, criteria and weights as the evaluation of main bids, except that the detailed technical evaluation shall take into account only the objectives and/or performance requirements prescribed in the Statement of Requirements.

14. Bid Prices and Discounts

- 14.1 The prices and discounts quoted by the Bidder in the Bid Submission Sheet and in

the Price Schedules shall conform to the requirements specified below.

- 14.2 All items in the Schedule of Supply must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Items not listed in the Price Schedule shall be assumed to be not included in the bid, and provided that the bid is substantially responsive, the corresponding adjustment shall be applied in accordance with ITB Sub-Clause 31.3.
- 14.3 The price to be quoted in the Bid Submission Sheet, in accordance with ITB Sub-Clause 12.1(c), shall be the total price of the bid, excluding any discounts offered.
- 14.4 The Bidder shall quote any unconditional and conditional discounts and the methodology for their application in the Bid Submission Sheet, in accordance with ITB Sub-Clause 12.1(d) and ITB Sub-Clause 14.8 respectively.
- 14.5 The terms EXW, CIF, CIP, and other similar terms shall be governed by the rules prescribed in the edition of Incoterms, published by The International Chamber of Commerce, as specified in the BDS.
- 14.6 Prices quoted on the Price Schedule for Supplies and Related Services, shall be disaggregated, when appropriate as indicated in this sub-clause. This disaggregation shall be solely for the purpose of facilitating the comparison of bids by the Procuring and Disposing Entity. This shall not in any way limit the Procuring and Disposing Entity's right to contract on any of the terms offered:
- (a) for Supplies;
 - (i) the price of the Supplies, quoted CIP or other Incoterm as specified in the BDS;
 - (ii) all custom duties, sales tax, and other taxes applicable in Uganda, paid or payable, on the Supplies or on the components and raw materials used in their manufacture or assembly, if the Contract is awarded to the Bidder; and
 - (iii) the total price for the item.
 - (b) for Related Services;
 - (i) the price of the Related Services;
 - (ii) all custom duties, sales tax, and other taxes applicable in Uganda, paid or payable, on the Related Services, if the Contract is awarded to the Bidder; and
 - (iii) the total price for the item.
- 14.7 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 BDS. A bid submitted with an adjustable price quotation shall be treated as non responsive and shall be rejected, pursuant to ITB Clause 30. However, if in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

- 14.8 If so indicated in ITB Sub-Clause 1.1, bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Bidders wishing to offer any price reduction for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Price reductions or discounts shall be submitted in accordance with ITB Sub-Clause 14.4, provided the bids for all lots are submitted and opened at the same time.

15. Currencies of Bid

- 15.1 Bid prices shall be quoted in the following currencies:

- (a) for Supplies and Related Services originating in Uganda, the bid prices shall be quoted in the currency of Uganda, unless otherwise specified in the BDS; and
- (b) for Supplies and Related Services originating outside Uganda, or for imported parts or components of Supplies and Related Services originating outside Uganda, the bid prices shall be quoted in the currency of the expense or in the currency of the Bidder's country unless otherwise specified in the BDS.

- 15.2 Alternatively, the Procuring and Disposing Entity may request that prices quoted be expressed in the currency specified in the BDS. If the Bidder wishes to be paid in a currency or a combination of currencies different from the one in which it was requested to express its quotation, it shall as part of its offer:

- (a) indicate its requirement to be paid in other currencies, including the amount in each currency or the percentage of the quoted price corresponding to each currency;
- (b) justify, to the Procuring and Disposing Entity's satisfaction, the requirement to be paid in the currencies requested; and
- (c) utilise the rate of exchange specified by the Procuring and Disposing Entity to express its offer in the currency required by the Procuring and Disposing Entity. The source, date, and type of exchange rate to be used is indicated in the BDS, in accordance with ITB Clause 34, and shall not precede the bid submission deadline by less than twenty (20) days.

16. Documents Establishing the Eligibility of the Bidder

- 16.1 To establish their eligibility in accordance with ITB Clause 4, Bidders shall complete the eligibility declarations in the Bid Submission Sheet, included in Section 4, Bidding Forms and submit the documents required in Section 3 Evaluation Methodology and Criteria.

17. Documents Establishing the Eligibility of Supplies

- 17.1 To establish the eligibility of the Supplies and Related Services, in accordance with ITB Clause 5, Bidders shall complete the country of origin declarations in the Price Schedule included in Section 4, Bidding Forms.

18. Documents Establishing the Conformity of the Supplies

- 18.1 To establish the conformity of the Supplies and Related Services to the Bidding

Documents, the Bidder shall provide as part of its bid the documentary evidence specified in Section 6, Statement of Requirements.

18.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed description of the essential technical and performance characteristics of the Supplies and Related Services, demonstrating substantial responsiveness of the Supplies and Related Services to those requirements, and if applicable, a statement of deviations and exceptions to the provisions of the Statement of Requirements.

18.3 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Procuring and Disposing Entity in the Statement of Requirement, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Procuring and Disposing Entity's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Statement of Requirement.

19. Documents Establishing the Qualifications of the Bidder

19.1 To establish its qualifications to perform the Contract, the Bidder shall submit the evidence indicated for each qualification criteria specified in Section 3, Evaluation Methodology and Criteria.

20. Period of Validity of Bids

20.1 Bids shall remain valid for the period specified in the BDS after the date of the bid submission deadline prescribed by the Procuring and Disposing Entity. A bid valid for a shorter period shall be rejected by the Procuring and Disposing Entity as non-compliant.

20.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Procuring and Disposing Entity may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 21, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid.

21. Bid Security

21.1 Unless otherwise specified in the BDS, the Bidder shall furnish as part of its bid, a Bid Security in original form and in the amount and currency specified in the BDS.

21.2 The Bid Security shall be, at the Bidder's option, in any of the following forms:

- (a) a demand guarantee;
- (b) an irrevocable letter of credit;
- (c) a cashier's or certified check; or
- (d) another security indicated in the BDS,

from a reputable source from an eligible country. The Bid Security shall be

submitted either using the Bid Security Form included in Section 4, Bidding Forms, or in another substantially similar format. In either case, the form must include the complete name of the Bidder. The Bid Security shall be valid for twenty eight days beyond the end of the validity period of the bid. This shall also apply if the period for bid validity is extended.

- 21.3 Any bid not accompanied by a substantially responsive Bid Security, if one is required in accordance with ITB Sub-Clause 21.1 shall be rejected by the Procuring and Disposing Entity as non-compliant.
- 21.4 The Bid Security of all Bidders shall be returned as promptly as possible once the successful Bidder has signed the Contract and provided any required Performance Security.
- 21.5 The Bid Security may be forfeited:
- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Sheet, except as provided in ITB Sub-Clause 20.2; or
 - (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 43;
 - (ii) furnish any Performance Security in accordance with ITB Clause 44; or
 - (iii) accept the correction of its bid price pursuant to ITB Sub-Clause 31.5.

22. Format and Signing of Bid

- 22.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 11 and clearly mark it "ORIGINAL." In addition, the Bidder shall submit copies of the bid, in the number specified in the BDS and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 22.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorised to sign on behalf of the Bidder. This authorisation shall consist of a written confirmation as specified in the BDS and shall be attached to the bid. The name and position held by each person signing the authorisation must be typed or printed below the signature. All pages of the bid, except for unamended printed literature, shall be signed or initialled by the person signing the bid.
- 22.3 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialled by the person signing the bid.

D Submission and Opening of Bids

23 Sealing and Marking of Bids

- 23.1 The Bidder shall enclose the original and each copy of the bid, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL" and "COPY." These envelopes containing the original and the copies shall then be enclosed in one single plain envelope securely sealed in such a manner that opening and resealing cannot

be achieved undetected.

23.2 The inner and outer envelopes shall:

- (a) bear the name and address of the Bidder;
- (b) be addressed to the Procuring and Disposing Entity in accordance with ITB Sub-Clause 24.1;
- (c) bear the Procurement Reference number of this bidding process; and
- (d) bear a warning not to open before the time and date for bid opening, in accordance with ITB Sub-Clause 27.1.

23.3 If all envelopes are not sealed and marked as required, the Procuring and Disposing Entity will assume no responsibility for the misplacement or premature opening of the bid.

24 Deadline for Submission of Bids

24.1 Bids must be received by the Procuring and Disposing Entity at the address and no later than the date and time indicated in the BDS.

24.2 The Procuring and Disposing Entity may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 8, in which case all rights and obligations of the Procuring and Disposing Entity and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

25 Late Bids

25.1 The Procuring and Disposing Entity shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 24. Any bid received by the Procuring and Disposing Entity after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

26. Withdrawal and Replacement of Bids

26.1 A Bidder may withdraw or replace its bid after it has been submitted at any time before the deadline for submission of bids by sending a written notice, duly signed by an authorised representative, which shall include a copy of the authorisation in accordance with ITB Sub-Clause 22.2. Any corresponding replacement of the bid must accompany the respective written notice. All notices must be:

- (a) submitted in accordance with ITB Clauses 22 and 23 (except that withdrawals notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," or "REPLACEMENT," and
- (b) received by the Procuring and Disposing Entity prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 24.

26.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 26.1 shall be returned unopened to the Bidder.

26.3 No bid may be withdrawn or replaced 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 Submission Sheet or any extension thereof.

- 26.4 Bids may only be modified by withdrawal of the original bid and submission of a replacement bid in accordance with ITB Sub-Clause 26.1. Modifications submitted in any other way shall not be taken into account in the evaluation of bids.

27. Bid Opening

- 27.1 The Procuring and Disposing Entity shall conduct the bid opening in the presence of Bidders' designated representatives who choose to attend, at the address, date and time specified in the BDS.
- 27.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorisation to request the withdrawal and is read out at the bid opening.

All other envelopes including those marked "REPLACEMENT" shall be opened and the relevant details read out. Replacement bids shall be recorded as such on the record of the bid opening.

Only envelopes that are opened and read out at the bid opening shall be considered further.

- 27.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder; the bid price, per lot where applicable, including any discounts; the presence of a Bid Security, if required; and any other details that the Procuring and Disposing Entity may consider appropriate. Only discounts and alternative offers read out at the bid opening shall be considered for evaluation. No bid shall be rejected at the bid opening except for late bids, in accordance with ITB Sub-Clause 25.1.
- 27.4 The Procuring and Disposing Entity shall prepare a record of the bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal and/or replacement; the bid price, per lot if applicable, including any discounts; and the presence or absence of a Bid Security, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to Bidders upon payment of a fee and displayed on the Procuring and Disposing Entity's Notice Board within one working day from the date of the bid opening.

E. Evaluation of Bids

28. Confidentiality

- 28.1 Information relating to the examination, evaluation, comparison, and post-qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until

information detailing the Best Evaluated Bidder is communicated to all Bidders.

- 28.2 Any effort by a Bidder to influence the Procuring and Disposing Entity in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its bid.
- 28.3 Notwithstanding ITB Sub-Clause 28.2, from the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Procuring and Disposing Entity on any matter related to the bidding process, it should do so in writing.

29. Clarification of Bids

- 29.1 To assist in the examination, evaluation, comparison and post-qualification of the bids, the Procuring and Disposing Entity may, at its discretion, ask any Bidder for a clarification of its bid. Any clarification submitted by a Bidder that is not in response to a request by the Procuring and Disposing Entity shall not be considered. The Procuring and Disposing Entity's request for clarification and the response shall be in writing. All requests for clarification shall be copied to all bidders for information purposes. No change in the prices or substance of the bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Procuring and Disposing Entity in the evaluation of the bids, in accordance with ITB Clause 31.4.

30. Compliance and Responsiveness of Bids

- 30.1 The Procuring and Disposing Entity's determination of a bid's compliance and responsiveness is to be based on the contents of the bid itself.
- 30.2 A substantially compliant and responsive bid is one that conforms to all the terms, conditions, and specifications of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:
- (a) affects in any substantial way the scope, quality, or performance of the Supplies and Related Services specified in the Contract; or
 - (b) limits in any substantial way, inconsistent with the Bidding Document, the Procuring and Disposing Entity's rights or the Bidder's obligations under the Contract; or
 - (c) if rectified would unfairly affect the competitive position of other Bidders presenting substantially compliant and responsive bids.
- 30.3 If a bid is not substantially compliant and responsive to the Bidding Document, it shall be rejected by the Procuring and Disposing Entity and may not subsequently be made compliant and responsive by the Bidder by correction of the material deviation, reservation, or omission.

31. Nonconformities, Errors, and Omissions

- 31.1 Provided that a bid is substantially compliant and responsive, the Procuring and Disposing Entity may waive any non-conformity or omissions in the bid that does not constitute a material deviation.

- 31.2 Provided that a bid is substantially compliant and responsive, the Procuring and Disposing Entity may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the bid. Failure of the Bidder to comply with the request may result in the rejection of its bid.
- 31.3 Provided that a bid is substantially compliant and responsive, the Procuring and Disposing Entity shall rectify nonmaterial nonconformities or omissions. To this effect, the bid price shall be adjusted, for comparison purposes only, to reflect the price of the missing or non-conforming item or component. The cost of any missing items will be added to the bid price using the highest price from other Bids submitted.
- 31.4 Provided that the bid is substantially compliant and responsive, the Procuring and Disposing Entity shall correct arithmetic errors on the following basis:
- (a) 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, unless in the opinion of the Procuring and Disposing Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- 31.5 If the Bidder that submitted the best evaluated bid does not accept the correction of errors, its bid shall be rejected and its Bid Security may be forfeited.

32. Preliminary Examination of Bids – Eligibility and Administrative Compliance

- 32.1 The Procuring and Disposing Entity shall examine the legal documentation and other information submitted by Bidders to verify the eligibility of Bidders and Supplies and related services in accordance with ITB Clauses 4 and 5.
- 32.2 If after the examination of eligibility, the Procuring and Disposing Entity determines that the Bidder, the Supplies and/or the related Services are not eligible, it shall reject the bid.
- 32.3 The Procuring and Disposing Entity shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 11 have been provided, and to determine the completeness of each document submitted.
- 32.4 The Procuring and Disposing Entity shall confirm that the following documents and information have been provided in the bid. If any of these documents or information is missing, the offer shall be rejected.
- (a) the Bid Submission Sheet, including:

- (i) a brief description of the Supplies and Related Services offered;
 - (ii) the price of the bid; and
 - (iii) the period of validity of the bid;
- (b) the Price Schedule;
- (c) written confirmation of authorisation to commit the Bidder; and
- (d) a Bid Security, if applicable.

33. Detailed Commercial and Technical Evaluation

- 33.1 The Procuring and Disposing Entity shall examine the bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation.
- 33.2 If, after the examination of the terms and conditions, the Procuring and Disposing Entity determines that the bid is not substantially responsive in accordance with ITB Clause 30, it shall reject the bid.
- 33.3 The Procuring and Disposing Entity shall evaluate the technical aspects of the bid submitted in accordance with ITB Clause 18, to confirm that all requirements specified in Section 6, Statement of Requirements of the Bidding Document have been met without any material deviation or reservation.
- 33.4 If, after the technical evaluation, the Procuring and Disposing Entity determines that the bid is not substantially compliant in accordance with ITB Clause 30, it shall reject the bid.

34 Conversion to Single Currency

- 34.1 For evaluation and comparison purposes, the Procuring and Disposing Entity shall convert all bid prices expressed in amounts in various currencies into a single currency, using the selling exchange rate established by the source and on the date specified in the BDS.

35. Margin of Preference

- 35.1 Unless otherwise specified in the BDS, a margin of preference shall not apply. Where a Margin of Preference applies, its application and detail shall be specified in Section 3, Evaluation Methodology and Criteria.

36. Financial Comparison of Bids

- 36.1 The Procuring and Disposing Entity shall financially evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially compliant and responsive.
- 36.2 To financially evaluate a bid, the Procuring and Disposing Entity shall only use the criteria and methodologies defined in this Clause and in Section 3, Evaluation Methodology and Criteria. No other criteria or methodology shall be permitted.
- 36.3 The Procuring and Disposing Entity's financial comparison of bids may require the consideration of factors other than costs, in addition to the bid price quoted in

accordance with ITB Clause 14. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Supplies and Related Services. The factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids, unless otherwise specified in Section 3, Evaluation Methodology and Criteria. The factors to be used and the methodology of application shall be indicated of Section 3, Evaluation Methodology and Criteria.

36.4 To financially compare bids, the Procuring and Disposing Entity shall:

- (a) determine the bid price, taking into account the costs listed of Section 3, Evaluation Methodology and Criteria;
- (b) correct any arithmetic errors in accordance with ITB Sub-Clause 31.4;
- (c) apply any unconditional discounts offered in accordance with ITB Sub-Clause 12.1(d);
- (d) make adjustments for any nonmaterial nonconformities and omissions in accordance with ITB Sub-Clause 31.3;
- (e) apply any non-cost factors in accordance with ITB Sub-Clause 36.3;
- (f) convert all bids to a single currency in accordance with ITB Clause 34;
- (g) apply any margin of preference in accordance with ITB Clause 35;
- (h) determine the total evaluated price of each bid.

37. Determination of Best Evaluated Bid(s)

37.1 The Procuring and Disposing Entity shall compare all substantially compliant and responsive bids to determine the best evaluated bid or bids, in accordance with Section 3, Evaluation Methodology and Criteria.

38. Post-qualification of the Bidder

38.1 The Procuring and Disposing Entity shall determine to its satisfaction whether the Bidder that is selected as having submitted the best evaluated bid is qualified to perform the Contract satisfactorily.

38.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 19, to clarifications in accordance with ITB Clause 29 and the qualification criteria indicated in Section 3, Evaluation Methodology and Criteria. Factors not included in Section 3 shall not be used in the evaluation of the Bidder's qualification.

38.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Procuring and Disposing Entity shall proceed to the next best evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

38.4 If pre-qualification has been conducted, no post-qualification will be conducted but pre-qualification information shall be verified.

39. Procuring and Disposing Entity's Right to Accept or Reject Any or All Bids

- 39.1 The Procuring and Disposing Entity 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 Bidders.

F. Award of Contract

40. Award Procedure

- 40.1 The Procuring Entity shall issue a Notice of Best Evaluated Bidder, place such Notice on public display for a prescribed period and copy the Notice to all Bidders prior to proceeding with contract award.
- 40.2 The Procuring and Disposing Entity shall award the Contract to the Bidder whose offer has been determined to be the best evaluated bid, provided that the Bidder is determined to be qualified to perform the Contract satisfactorily.

41. Procuring and Disposing Entity's Right to Vary Quantities at Time of Award

- 41.1 At the time the Contract is awarded, the Procuring and Disposing Entity reserves the right to increase or decrease the quantity of Supplies and Related Services originally specified in Section 6, Statement of Requirements, provided this does not exceed the percentages indicated in the BDS, and without any change in the unit prices or other terms and conditions of the bid and the Bidding Document.

42. Notification of Award and Letter of Bid Acceptance

- 42.1 Prior to the expiration of the period of bid validity, the Procuring and Disposing Entity shall notify the successful Bidder, in writing, that its bid has been accepted by issue of a Letter of Bid Acceptance.
- 42.2 Until a formal contract is prepared and executed, the Letter of Bid Acceptance shall constitute a binding Contract.

43. Signing of Contract

- 43.1 Promptly after notification of contract award by the issue of a Letter of Bid Acceptance, the Procuring and Disposing Entity shall send the successful Bidder the Agreement and the Special Conditions of Contract.
- 43.2 Within twenty-eight (28) days of receipt of the Agreement, the successful Bidder shall sign, date, and return it to the Procuring and Disposing Entity.

44. Performance Security

- 44.1 Within twenty-eight (28) days of the receipt of the Letter of Bid Acceptance from the Procuring and Disposing Entity, the successful Bidder shall furnish any Performance Security required in accordance with the GCC, using for that purpose the Performance Security Form included in Section 9, Contract Forms, or another form acceptable to the Procuring and Disposing Entity.
- 44.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the contract award and forfeiture of the Bid Security. In that event, the Procuring and Disposing Entity may award the Contract to the next best evaluated Bidder who is determined by the Procuring and Disposing Entity to be qualified to perform the

Contract satisfactorily.

Section 2. Bid Data Sheet

Instructions to Bidders Reference	Data relevant to the ITB
A. General	
ITB 1.1	The Procuring and Disposing Entity is: Makerere University
ITB 1.1	The subject of procurement is: Supply and installation of Local Area Networks
ITB 1.1	The Procurement Reference number of the Bidding Document is : MUK/SPLS/2008-09/00028
ITB 1.1	<p>The number and identification of lots comprising this Bidding Document is:</p> <p>Lot 1: Data cabling upgrade for Network Operations Center and Physics switching center</p> <p>Lot 2: LAN upgrades for Main Campus (Main Building, MISR Library, IACE Library, University Hospital and Fine Art)</p> <p>Lot 3: Fiber backbone collapse for Mulago Campus and fiber backbone link to Galloway Hostel</p> <p>Lot 4: LAN installations for Mulago Campus (Anatomy, Family Medicine and Biochemistry)</p> <p>Lot 5: Active devices for LANs</p> <p>The proportion of each Lot that a Bidder may bid for is: Complete lots</p> <p>The minimum and maximum number of Lots a Bidder may bid for is: One or more</p>
ITB 5.5	The Bidder is required to include with its Bid, documentation from the Manufacturer of the Supplies, that it has been duly authorised to supply, in Uganda, the Supplies indicated in its bid by submitting the Manufacturers Authorisation Form in Section 4 Bidding Forms.
B. Bidding Document	
ITB 7.1	<p>For clarification purposes only, the Procuring and Disposing Entity's address is: Procurement & Disposal Unit</p> <p>Attention: Procurement Manager</p> <p>Street Address: University Road</p> <p>Floor/Room number: A5, Lincoln Flats, Makerere University</p>

Part 2: Section 2 Bid Data Sheet

Instructions to Bidders Reference	Data relevant to the ITB
	Town/City: Kampala Postal Code/PO Box No: 7062, Kampala Country: Uganda Telephone: 256-41-542096 Facsimile number: 256-41-540041 Electronic mail address: ltushabe@pdu.mak.ac.ug
ITB 7.1	The Procuring and Disposing Entity will respond to any request for clarification provided that such request is received no later than 7 days prior to the deadline for submission of Bids.
C. Preparation of Bids	
ITB 10.1	The medium of communications shall be in writing.
ITB 10.2	The language for the bid is English.
ITB 11.1(h)	<p>The Bidder shall submit with its bid the following additional documents:</p> <ul style="list-style-type: none"> (i) Certificate of Registration/Incorporation (ii) Income Tax Clearance for the year 2008/2009 (iii) Trading Licence for the year 2008/2009 (iv) VAT Registration Certificate (v) Certificates of competence from manufacturer of cabling solution quoted for bidders' technical staff. (vi) Some copies of Local Purchase Orders or Contract Agreements in the last two years, which are relevant to the category of goods or services applied for (to provide evidence of experience). (vii) Letters of Recommendation from Organizations where the applicant has supplied/provided similar goods or services. (viii) Manufacturer's authorisation letter for the cabling solution and active devices quoted for. This letter should be clearly dated. The <i>only</i> format that can be used is the one provided in Section 4 of this bid document. (ix) Power of Attorney duly commissioned by the commissioner of Oaths and registered <p><i>Please note that all the above documents are subject to verification. Means of verification include but are not limited to: email, phone and manufacturers' websites.</i></p>
ITB 13.1	Alternative Bids shall not be permitted.

Part 2: Section 2 Bid Data Sheet

Instructions to Bidders Reference	Data relevant to the ITB
ITB 14.5	The Incoterms edition is: 2000
ITB 14.6(a)(i)	For Supplies, the Bidder shall quote prices using the following Incoterms: - Makerere University
ITB 14.7	The prices quoted by the Bidder shall be: Fixed
ITB 15.1 (a)	For Supplies and Related Services originating in Uganda, the currency of Bids shall be: US Dollars
ITB 15.1 (b)	For Supplies and Related Services originating outside of Uganda, currency of the bid shall be: US Dollars
ITB 20.1	The bid validity period shall be 120 working days
ITB 21.1	A Bid Security shall be required. The amount and currency of the Bid Security shall be Five million Uganda shillings .
ITB 21.2(d)	Other types of acceptable securities are: None
ITB 22.1	In addition to the original of the Bid, the number of copies required is: Three (3)
ITB 22.2	The written confirmation of the authorisation to sign on behalf of the Bidder shall consist of: Power of Attorney
D. Submission and Opening of Bids	
ITB 24.1	For bid submission purposes only, the Procuring and Disposing Entity's address is : Procurement & Disposal Unit Attention: Procurement Manager Street Address: University Road Floor/Room number: Flat A5, Lincoln Flats, Makerere University Town/City: Kampala Postal Code: P.O. Box 7062, Kampala Country: Uganda The deadline for bid submission is: Date: Wednesday, 8th October, 2008 Time (local time): 10.00 a.m.

Part 2: Section 2 Bid Data Sheet

Instructions to Bidders Reference	Data relevant to the ITB
ITB 27.1	The bid opening shall take place at: Makerere University Street Address: Makerere University Road Floor/Room number: Senior Common Room, Main Administration Building Town/City : Kampala Country: Uganda Date: Wednesday, 8th October, 2008 Time: 10.15 a.m. (Local time)
E. Evaluation of Bids	
ITB 34.1	The currency that shall be used for financial comparison purposes to convert all bid prices expressed in various currencies into a single currency is: US Dollars The source of exchange rate shall be: Bank of Uganda The date for the exchange rate shall be: Prevailing rate at the time of bid opening
ITB 35.1	A margin of preference shall not apply
F. Award of Contract	
ITB 41.1	The percentage by which quantities may be increased is: N/A The percentage by which quantities may be decreased is: N/A

Section 3. Evaluation Methodology and Criteria

Procurement Reference Number: MUK/SPLS/2008-09/00028

A Evaluation Methodology

1 Methodology Used

- 1.1 The evaluation methodology to be used for the evaluation of bids received shall be the Technical Compliance Selection (TCS) methodology.

2 Summary of Methodology

- 2.1 The Technical Compliance Selection methodology recommends the lowest priced bid, which is eligible, compliant and substantially responsive to the technical and commercial requirements of the Bidding Document, provided that the Bidder is determined to be qualified to perform the contract satisfactorily.
- 2.2 The evaluation shall be conducted in three sequential stages –
- (a) a preliminary examination to determine the eligibility of bidders and the administrative compliance of bids received;
 - (b) a detailed evaluation to determine the commercial and technical responsiveness of the eligible and compliant bids; and
 - (c) a financial comparison to compare costs of the eligible, compliant, responsive bids received and determine the best evaluated bid.
- 2.3 Failure of a bid at any stage of the evaluation shall prevent further consideration at the next stage of evaluation. Substantial responsiveness shall be considered a pass.

B Preliminary Examination Criteria

3 Eligibility Criteria

- 3.1 The eligibility requirements shall be determined for:-
- (a) Eligible Bidders in accordance with ITB Clause 4; and
 - (b) Eligible Supplies and Related Services in accordance with ITB Clause 5.
- 3.2 The documentation required to provide evidence of eligibility shall be:-
- (a) a copy of the Bidder's Trading licence or equivalent;
 - (b) a copy of the Bidder's Certificate of Registration or equivalent;
 - (c) a copy of the Bidder's income tax clearance certificate or equivalent;
 - (d) a copy of the Bidders VAT registration or equivalent;
 - (e) a statement in the Bid Submission Sheet that the bidder meets the eligibility criteria stated in ITB 4.1;
 - (f) a declaration in the Bid Submission Sheet of nationality of the Bidder;
 - (g) a completed Price Schedule containing the declaration of the origin of the Supplies;
 - (h) a statement in the Bid Submission Sheet that the Bidder has no conflict of interest;

Part 2: Section 3 Evaluation Methodology and Criteria

- (i) a declaration in the Bid Submission Sheet that the Bidder is not under suspension by the Public Procurement and Disposal of Public Assets Authority;

4 Administrative Compliance Criteria

- 4.1 The evaluation of Administrative Compliance shall be conducted in accordance with ITB Sub-Clauses 32.3 and 32.4.

C Detailed Evaluation Criteria

5. Commercial Criteria

- 5.1 The commercial responsiveness of bids shall be evaluated in accordance with ITB Clause 33. The criteria shall be:
 - (a) acceptance of the conditions of the proposed contract;
 - (b) inclusion of all cost components required such as installation, training, inspection or proving, commissioning, in addition to the price of the supplies;
 - (c) acceptable delivery schedule;

6 Technical Criteria

- 6.1 Technical responsiveness shall be evaluated in accordance with ITB Clause 33.3.
- 6.2 The Statement of Requirements details the minimum technical requirements. Responsiveness is determined by comparison of the specification offered to the specification required in Section 6 and the evaluation is conducted on a pass/fail basis. Substantial responsiveness shall be considered a pass.

D Financial Comparison Criteria

7. Costs to be included in Bid Price

- 7.1 The financial comparison shall be conducted in accordance with ITB Clause 36. The costs to be included in the bid price bid are:
 - (a) the unit and total delivered price based on the delivery terms requested and the quantity specified in Section 6;
 - (b) taxes, duties and levies;

8 Non-cost Factors to be included in Evaluated Price N/A

- 8.1 The non-cost factors to be included in the evaluated price are:
 - (a)

9 Margin of Preference N/A

10 Determination of Best Evaluated Bid or Bids

Part 2: Section 3 Evaluation Methodology and Criteria

- 10.1 The bid with the lowest evaluated price, from among those which are eligible, compliant and substantially responsive shall be the best evaluated bid. If this Bidding Document includes more than one lot, the best evaluated bid shall be determined separately for each lot.
- 10.2 Notwithstanding paragraph 10.1, if this Bidding Document allows Bidders to quote different prices for single lots and for the award to a single Bidder of multiple lots, the Procuring and Disposing Entity shall conduct a further financial comparison to apply any conditional discounts. The bid or bids offering the lowest priced combination of all the lots shall be the best evaluated bid or bids.

E Post-qualification Criteria

None

Section 4. Bidding Forms

Table of Forms

Bid Submission Sheet 2

Price Schedule for Supplies and Related Services..... 4

Bid Security..... 5

Manufacturer’s Authorisation 7

Part 2: Section 4. Bidding Forms

[This Bid Submission Sheet should be on the letterhead of the Bidder and should be signed by a person with the proper authority to sign documents that are binding on the Bidder]

Bid Submission Sheet

Date: *[insert date (as day, month and year) of bid submission]*

Procurement Reference No: *[insert Procurement Reference number]*

To: *[insert complete name of Procuring and Disposing Entity]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda No.: *[insert the number and issue date of each Addenda]*;
- (b) We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in the Statement of Requirements the following Supplies and Related Services *[insert a brief description of the Supplies and Related Services. Amend wording and attach relevant details if an alternative delivery schedule is proposed]*;
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is: *[insert the total bid price in words and figures, indicating the various amounts and the respective currencies]*;
- (d) The discounts offered and the methodologies for their application are:

Unconditional discounts. If our bid is accepted, the following discounts shall apply. *[Specify in detail each discount offered (eg amount/percentage) and the specific item of the Statement of Requirements to which it applies.]*

Methodology of application of the unconditional discounts. The discounts shall be applied using the following method: *[Specify precisely the method that shall be used to apply the discounts]*;

Conditional discounts. If our bids for more than one lot are accepted, the following discounts shall apply. *[Specify precisely each discount offered (eg amount/percentage) and the conditions of the discount.]*

Methodology of application of the conditional discounts. The discounts shall be applied using the following method: *[Specify in detail the method that shall be used to apply the discounts]*;
- (e) Our bid shall be valid for a period of *[specify the number of working days]* working days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) We, including any subcontractors or providers for any part of the contract resulting from this procurement process, are eligible to participate in public procurement in accordance with ITB Clause 4.1
- (g) If our bid is accepted, we commit to obtain a Performance Security in accordance with the Bidding Document in the amount of *[insert amount and currency in words and figures of the performance security]* for the due performance of the Contract;

Part 2: Section 4. Bidding Forms

- (h) We, including any subcontractors or Providers for any part of the contract, have nationals from the following eligible countries *[insert the nationality of the Bidder, including that of all parties that comprise the Bidder, if the Bidder is a Joint Venture consortium or association, and the nationality of each subcontractor]*;
- (i) We undertake to abide by the Code of Ethical Conduct for Bidders and Providers during the procurement process and the execution of any resulting contract;
- (j) We are not participating, as Bidders, in more than one bid in this bidding process, other than alternative bids in accordance with the Bidding Document;
- (k) We do not have any conflict of interest and have not participated in the preparation of the original Statement of Requirements for the Procuring and Disposing Entity;
- (l) We, our affiliates or subsidiaries, including any subcontractors or Providers for any part of the contract, have not been suspended by the Public Procurement and Disposal of Public Assets Authority in Uganda from participating in public procurement;
- (m) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, their full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity. If none has been paid or is to be paid, indicate "none."]*

Name of Recipient	Address	Reason	Amount & Currency

- (l) We understand that this bid , together with your written acceptance thereof included in your Letter of Bid Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- (m) We understand that you are not bound to accept the lowest bid or any other bid that you may receive.

Signed: *[signature of person whose name and capacity are shown below]*

Name: *[insert complete name of person signing the bid]*

In the capacity of *[insert legal capacity of person signing the bid]*

Duly authorised to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Part 2: Section 4. Bidding Forms

[This Price Schedule should be signed by a person with the proper authority to sign documents for the Bidder. It should be included by the Bidder in its bid. The Bidder may reproduce this in landscape format but is responsible for its accurate reproduction].

Price Schedule for Supplies and Related Services

Date: *[insert date (as day, month and year) of bid submission]*

Procurement Reference No: *[insert Procurement Reference number]*

Name of Bidder: *[Insert the name of the Bidder]*

Use the format of the Bills of quantities in Section 6 in order to show exact quantities for each section of a lot.

1	2	3	4	5	6	7	8
Item No.	Supplies or Related Services	Country of origin	Percent of Ugandan origin ¹	Quantity (No. of units)	Unit price ²	Import Duties, Sales and other taxes per unit ²	Total Price
<i>[insert number of item corresponding to Statement of Requirements]</i>	<i>[insert brief description name of Supplies or Related Services]</i>	<i>[insert country of origin of the item]</i>	<i>[if the margin of preference applies, insert percentage of Ugandan origin for this item]</i>	<i>[insert number of units of this item to be purchased]</i>	<i>[insert the unit price of this item, including delivery in accordance with the delivery terms (Incoterms) stated, but excluding all import duties and taxes, paid or payable in Uganda]</i>	<i>[insert all import duties, taxes paid or payable in Uganda on this item]</i>	<i>[insert the total price for this item, which should equate to columns 5x(6+7)]</i>

Signed: *[signature of person whose name and capacity are shown below]*

Name: *[insert complete name of person signing the bid]*

In the capacity of *[insert legal capacity of person signing the bid]*

Duly authorised to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

¹ In accordance with margin of preference ITB Clause 35, if applicable

² In accordance with ITB Clauses 14 and 15

Part 2: Section 4. Bidding Forms

[This Bid Security should be on the letterhead of the issuing Financial Institution and should be signed by a person with the proper authority to sign the Bid Security. It should be included by the Bidder in its bid, if so indicated in the BDS].

Bid Security

Date: [insert date (as day, month and year) of bid submission]

Procurement Reference No.: [insert Procurement Reference number]

To: [insert complete name of Procuring and Disposing Entity]

Whereas [insert complete name of Bidder] (hereinafter “the Bidder”) has submitted its bid dated [insert date (as day, month and year) of bid submission] for Procurement Reference number [insert Procurement Reference number] for the supply of [insert brief description of the Supplies and Related Services], hereinafter called “the bid .”

KNOW ALL PEOPLE by these presents that WE [insert complete name of institution issuing the Bid Security], of [insert city of domicile and country of nationality] having our registered office at [insert full address of the issuing institution] (hereinafter “the Guarantor”), are bound unto [insert complete name of the Procuring and Disposing Entity] (hereinafter “the Procuring and Disposing Entity”) in the sum of [specify in words and figures the amount and currency of the bid security], for which payment well and truly to be made to the aforementioned Procuring and Disposing Entity, the Guarantor binds itself, its successors or assignees by these presents. Sealed with the Common Seal of this Guarantor this [insert day in numbers] day of [insert month], [insert year].

THE CONDITIONS of this obligation are the following:

1. If the Bidder withdraws its bid during the period of bid validity specified by the Bidder in the Bid Submission Sheet, except as provided in ITB Sub-Clause 20.2;
or
2. If the Bidder, having been notified of the acceptance of its bid by the Procuring and Disposing Entity, during the period of bid validity, fails or refuses to:
 - (a) sign the Contract in accordance with ITB Clause 43; or
 - (b) furnish the Performance Security, in accordance with the ITB Clause 44; or
 - (c) accept the correction of its bid by the Procuring Entity, pursuant to ITB Clause 31;

we undertake to pay the Procuring and Disposing Entity up to the above amount upon receipt of its first written demand, without the Procuring and Disposing Entity having to substantiate its demand, provided that in its demand the Procuring and Disposing Entity states that the amount claimed by it is due to it, owing to the occurrence of one or more of the above conditions, specifying the occurred conditions.

This security shall remain in force up to and including twenty-eight (28) days after the period of bid validity, and any demand in respect thereof should be received by the Guarantor no later than the above date.

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

Signed: [insert signature of person whose name and capacity are shown below]

Name: [insert complete name of person signing the Security] In the capacity of [insert legal capacity of person signing the Security] Duly authorised to sign the Security for and on behalf of: [insert complete name of the Financial Institution]

Part 2: Section 4. Bidding Forms

Dated on _____ day of _____, _____ *[insert date of signing]*

Part 2: Section 4. Bidding Forms

[This Authorisation should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign such an Authorisation. It should be included by the Bidder in its bid, if so indicated in the BDS].

Manufacturer's Authorisation

Date: *[insert date (as day, month and year) of bid submission]*

Procurement Reference No.: *[insert Procurement Reference Number]*

To: *[insert complete name of Procuring and Disposing Entity]*

WHEREAS *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of supplies manufactured]*, having factories at *[insert full address of Manufacturer]*, do hereby authorise *[insert complete name of Bidder]* to submit a bid in relation to the Bidding Document indicated above, the purpose of which is to provide the following Supplies, manufactured by us *[insert name or brief description of the Supplies]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Supplies offered by the above firm in reply to the Invitation for Bids.

Signed: *[signature of person whose name and capacity are shown below]*

Name: *[insert complete name of person signing the Manufacturer's Authorisation]*

In the capacity of *[insert legal capacity of person signing the Manufacturer's Authorisation]*

Duly authorised to sign the Manufacturer's Authorisation for and on behalf of: *[insert complete name of Manufacturer]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Section 5. Eligible Countries

Procurement Reference Number: MUK/SPLS/2008-09/00028

All countries are eligible except countries subject to the following provisions.

A country shall not be eligible if:

- (a) as a matter of law or official regulation, the Government of Uganda prohibits commercial relations with that country, provided that the Government of Uganda is satisfied that such exclusion does not preclude effective competition for the provision of supplies or related services required; or
- (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Government of Uganda prohibits any import of Supplies from that country or any payments to persons or entities in that country.

Section 6. Statement of Requirements

Contents

1.	List of Supplies and Related Services	2
2.	Delivery and Completion Schedule.....	17
3.	Specification and Compliance Sheet.....	18
4.	Drawings	26
5.	Inspections and Tests	44

1. List of Supplies and Related Services

Procurement Reference Number: MUK/SPLS/2008-09/00028

A. Project details

Lot 1: Data cabling upgrade for Network Operations Center and Physics switching center

The existing data cabling for these locations needs to be upgraded (*see diagrams 1 and 2*). This project involves the supply and installation of the following:

1. Network Operations Center (NOC), FCIT Building

- Two supervisor modules (active and redundant) that support 10Gigabit for the existing Cisco Catalyst 4500 switch in the distribution rack.
- 10Gigabit fiber cable (multimode) links between the racks.
- Fiber patch panels to handle termination of the fiber cables between racks.
- Access switches in racks 1, 2, 3, 4 and 5 to provide Gigabit access for the servers and 10Gigabit uplinks to the aggregate switches.
- Gigabit patch cords (copper) to connect servers to the access switches.
- Two aggregate switches with 10Gigabit ports (in the distribution rack) to collect traffic from the access switches.
- Fiber patch cords to provide connections between fiber patch panels and switches and also between switches.
- Rackmount KVM switches in racks 1, 2, 3 and 4.
- *Because racks 7 and 8 do not exist at present, only 10Gigabit fiber cable will be run for rack locations 7 and 8 with an allowance of 3m.*

Terminations for these two rack location will done at a later stage so labour should not be quoted. However, the passive devices and active devices for these racks have to be supplied under this project.

2. Physics switching center

- Two supervisor modules (active and redundant) that support 10Gigabit for the existing Cisco Catalyst 4500 switch in the distribution rack.
- 10Gigabit fiber cable (multimode) links between the racks.
- Fiber patch panels to handle termination of the fiber cables between racks.
- One access switch in rack 2 to provide Gigabit access for the servers and 10Gigabit uplinks to the aggregate switch.
- Gigabit patch cords (copper) to connect servers to the access switch.
- One aggregate switch with 10Gigabit ports to collect traffic from the access switch.
- Fiber patch cords to provide connections between fiber patch panels and switches and also between switches.
- Rackmount KVM switch in rack 2

Part 3: Section 6 Statement of Requirements

Lot 2: LAN upgrades for Main Campus

(Main Building, MISR Library, IACE Library, University Hospital and Fine Art)

The existing Local Area Networks for these locations need to be upgraded. The points that have to be added for each location are indicated in the diagrams section and the following details have to be noted for each location:

1. Main Building

- The voice cabling has to be terminated separately in the racks and a multi pair cable should run between each rack and main rack in the server room on the first floor.
- Extra trunking will have to be supplied and installed where necessary.
- For the second floor, a 6-core multimode fiber uplink has to be run from the first floor. A 12U rack and rackmount UPS (750VA) will have to be supplied and installed.
- For the first floor, a 42U rack and rackmount UPS (5KVA) will have to be supplied and installed. The exiting fiber connectivity switch will have to be replaced with a new one (with a minimum of four fiber ports) that can support the existing fiber backbone uplinks and the new one.
- For the ground floor, due to space limitations in the equipment rack, the existing switches will have to be replaced by **two** 48-port switches to cater for the existing and additional data outlets. One of the switches must have fiber connectivity (MT-RJ). Also, a 48-port patch panel must be used to terminate the cabling for the additional outlets and a UPS (750VA) must be supplied and installed.
- For the basement, a rack mount UPS (750VA) must be supplied and installed in the exiting rack.

2. Makerere Institute for Social Research (MISR) Library

- There are existing data outlets in the main reading hall of the library in MISR. One of these data outlets will be used to run a UTP uplink to the Research Room downstairs.

3. Institute of Adult and Continuing Education (IACE) Library

- A UTP uplink has to be run from the Director's office to the Research room.
- The data outlets must have an equal number of power outlets.

4. University Hospital

- The University Hospital connects to the University network backbone via a wireless point-to-point link across Makerere Hill Road to the Faculty of Law. The 2 wireless bridges for this link have reached their end of life date and need to be replaced. The bridges to be supplied and installed must be compatible with the existing antennas.
- The LAN also has to be extended to the Counselling and Guidance Center offices located within the hospital premises.
- The additional outlets will be terminated in the equipment rack located in the Administrator's office. The existing switch will be used to activate the new outlets but a new patch panel and other passive devices must be quoted for.

Part 3: Section 6 Statement of Requirements

5. Fine Art

- Three fiber uplinks (6-core multimode) have to be run from the main block to Kingdon house, Printing and Constable house.
- In the main block, the existing switch does not have enough fiber ports to support old and new fiber uplinks so a new switch has to be supplied and installed. The new switch has to be installed in the existing rack and not wall mounted.
- In Printing and Constable House, the existing switches have to be replaced with new ones that have fiber connectivity.

Lot 3: Fiber backbone collapse for Mulago Campus and fiber backbone link to Galloway Hostel

1. Fiber backbone collapse for Mulago Campus

The fiber for medical school has two (2) switching centers. This project involves moving all the active equipment from the Anatomy switching centers to Pathology switching center.

Armoured 48-core single mode fiber cable is to be supplied and laid in existing trenches from Pathology to Anatomy Switching center.

In addition to supplying and laying the 48-core fiber cable, the following has to be done:

At Anatomy

- Terminate the fiber from pathology to 48-port patch panel (1U).
- Running fiber patch cords from the patch panels to the existing LIUs
- New outdoor conduits (cast iron) have to be installed where the existing ones are not sufficient for bringing the fiber cable into buildings.
- Move the Layer 3 switches to Anatomy
- Use new patch cords to make connections between the existing patch panels and Light Interconnect Units and the 48-port patch panel.

At Pathology

- Install a new 42U equipment rack (self standing) to accommodate the active equipment.
- Terminate the fiber from Anatomy to 48-port patch panel (1U).
- Install the switches from Anatomy and pathology into the rack
- New outdoor conduits (cast iron) have to be installed where the existing ones are not sufficient for bringing the fiber cable into buildings.
- Use new patch cords to make connections between the switches and the 48-port patch panel and exiting patch panels.
- Running fiber patch cords from the patch panels to the switches relocated from the Anatomy switching center.

2. Fiber backbone link to Galloway Hostel

- A 12U equipment rack and 750VA rackmount UPS has to be supplied and installed in the Chief Custodian's Office at Galloway Hostel.
- 6-core single-mode fiber cable will be laid from Pathology to Galloway Hostel. The fiber cable has to run through PVC conduit all the way from Pathology to Galloway Hostel.

Part 3: Section 6 Statement of Requirements

- From Pathology, the fiber shall be run underground through existing concrete trenches which stop at the manhole next to Pharmacology. From there, the fiber cable (in PVC conduits) will be directly buried in trenches (*no concrete works*).
- All passive and active devices required to activate this link have to be supplied and installed.
- Data outlets have to be installed for the LAN as shown in Diagram.

Lot 4: LAN installations for Mulago Campus (Anatomy, Family Medicine and Biochemistry)

Local Area Networks have to be installed in Anatomy and Biochemistry as indicated in the diagrams. The following has to be noted:

1. Anatomy LAN

- The uplinks between floors **must be** multimode 6-core fiber. All fiber uplinks for the building to be terminated in server room on ground floor.
- For the ground floor, supply and install a 750 VA rackmount UPS.
- For the first floor, supply and install a 12U wall-mount rack and a 750 VA rackmount UPS.
- For the second floor, supply and install a 12U wall-mount rack and a 750 VA rackmount UPS.

2. Family Medicine LAN

- A fiber uplink (6-core single-mode fiber) shall be run from the Anatomy switching center. All equipment to make this uplink functional must be supplied and installed.
- Supply and install a 12U wall-mount rack and a 750 VA rackmount UPS in the room indicated on first floor.
- The existing switch shall be moved into the rack and all existing cables re-connected.
- All outlets on ground floor should be terminated in the rack on the first floor

3. Biochemistry LAN

- The existing rack only has the backbone fiber termination. Every thing needed to activate the backbone link has to be supplied and installed.
- A rackmount UPS (750VA) must be supplied and installed.

Part 3: Section 6 Statement of Requirements

B. Technical guidelines & specifications for structured cabling solution

The design and installation of the structured cabling solution will comply with the following standards: - ISO/IEC 11801 (2000-01) Consolidated Edition including ISO/IEC 11801 FDAM 3, TIA/EIA-568A: Commercial Building Telecommunications Wiring Standards and subsequent addendums and revisions including TIA/EIA-568A-5, EIA/TIA-72: Centralized Optical Fibre Cabling Guidelines, October 1995. EIA/TIA TSB-75: (Cabling practices for Open Offices), TIA/EIA-568-B.3: (Optical Fiber Cabling Components Standard), EIA/TIA-569: Commercial Building Standard for Telecommunications Pathways and Spaces and local electrical regulations.

The design should allow for 20% growth and it will be the responsibility of the contractor to highlight areas where these guidelines cannot be met, prior to installation.

1. Cabling

- 1.1 Copper cable should be used for horizontal distribution and fiber cable should be for uplinks between floors and racks.
- 1.2 Recommended copper cable for data is Category 6 unshielded twisted pair (UTP) and the various cabling components should be those of a standard structured cabling solution.
- 1.3 When premises cables are being terminated, the mapping of individual to workplace and patch panel outlet pins must follow the TIA/EIA 568A or TIA/EIA 568B standard.
- 1.4 Recommended copper cable for voice is Category 3 unshielded twisted pair (UTP).
- 1.5 Recommended fiber cabling is 6 core multimode (62.5/125µm) and Armoured 6-core single-mode (8.3/125µm). The various cabling components should be those of a standard structured cabling solution.
- 1.6 Where splicing of fiber has to be done, only fusion splicing will be used and the spliced fiber must be properly secured in splice trays to ensure reliable operation.
- 1.7 The voice cabling has to be terminated separately in the racks and a multi pair cable should run between each rack and the main rack.

2. Conduit

- 2.1 In workplace areas, premise cable should be contained within trunking that is at least 100 x 50mm and has at least two compartments.
- 2.2 The University's approved trunking system is the Marshall Tufflex Sterling Mono 10.
- 2.3 Where multi-compartment trunking is used, one compartment shall be reserved for power cables; the other compartments can be used for voice and data premises cable. The manufacturer's accessories for the multi-compartment trunking must be used. In offices and laboratories, trunking should be mounted at dado level or on workplace benches.
- 2.4 For floor runs, **white** mild steel trunking must be used on instruction by the project manager. Sample trunking **must** be availed to the project manager for approval before any material deliveries are made on site.
The metal trunking will be surface mounted and must have tapered edges.
- 2.5 Where there are installations in the middle of computer laboratories, **white** mild steel service pillars (double sided) must be used. Sample service pillars **must** be availed to the project manager for approval before any material deliveries are made on site.
- 2.6 For indoor installation, fiber should run through 50mm diameter galvanized mild steel tubing.
- 2.7 For outdoor above the ground installations, 100mm diameter cast iron pipes shall be used.

Part 3: Section 6 Statement of Requirements

- 2.8 For outdoor underground installation fiber should run through 50mm diameter PVC (Polyvinyl Chloride) pipes with 5.3mm wall thickness and the pipes should be laid in trenches.
- 2.9 Trenches should be excavated not exceeding 600mm wide not exceeding 1.50m deep average 1.00m deep. The trenches should be backfilled and surplus spoil removed from site.
- 2.10 Any damages made during the laying of cables should be made good.
- 2.11 All conduits should be supplied with all necessary fittings and accessories, including fixing and jointing.
- 2.12 Outdoor inspection manholes for fiber installations shall have internal size of 980 x 680 x 1500mm deep to invert (average) comprising 50mm thick concrete Grade '15' blinding, 150mm thick concrete grade '25' ground slab, 200mm thick solid block walls, 12mm thick internal render to walls, 150mm thick concrete Grade '20' cover slab reinforced twisted bars at 150mm centres both ways and perforated for manhole cover.
- 2.13 The manholes shall have water tight 450 x 610mm Double seal heavy duty cast iron manhole covers.
- 2.14 Manholes must be constructed at points immediately across roads, at the points of fiber entry into or exit from a building and where there is a change in the angle of inclination of the trench.
- 2.15 Wherever closed conduit which does not have lidded access is installed, the contractor must install draw ropes in the conduit to permit additional cables to be pulled through the conduit at a later date.
- 2.16 It will be the responsibility of the contractor to highlight areas where these guidelines cannot be met, prior to installation.

3. Workplace outlets

- 3.1 For workplace applications, white coloured faceplates with a minimum of two outlets should be used.
- 3.2 RJ-45 modules used should be white coloured and angled with protective shutters
- 3.3 As a general guide, the contractor should liaise with the University representative for approval of the distribution for all data, power and voice outlets.
- 3.4 The outlet shall be fitted with a clear and permanent label that contain the patch panel identifier and patch panel jack identifier.

4. Equipment racks

- 4.1 Patch panels and punch blocks (rack mount) should be used to terminate both the copper and fiber cables in the racks and they should be labelled.
- 4.2 Cable and patch managers (rear and horizontal) should be used for orderly management of cables and patch cords in the racks. The horizontal cable managers shall be dimensioned to accommodate 24 patch leads.
- 4.3 The optical fiber patch cords shall be two-fiber cable, of the same fiber type as the optical fiber cabling with cross-over orientation and duplex connectors.
- 4.4 Each rack should be supplied with a surge suppressed, filtered, switched, BS white double socket. An earth conductor must be connected to each rack.
- 4.5 A rack mount power distribution unit offering a minimum of six 13 Amp sockets should be supplied with the rack or cabinet. The sockets should be arranged such that plugs can be inserted in all sockets without their power cords fouling each other.
- 4.6 A Rack mount UPS must be provided for each equipment rack. The capacity of the UPS should be able to have an allowance of 20% load growth. The rack mount UPS **must not** occupy more than 3U of rack space and must easily fit in a depth of 19".

Part 3: Section 6 Statement of Requirements

5. Special requirements for computer room

- 5.1 Separate consumer units must be installed for each computer room together with supply cables to connect to the existing distribution boards for the respective floors.
- 5.2 Independent circuit breakers have to be installed in the Main Distribution Boards to cater for the supply cables of the consumer unit in the rooms. Existing circuit breakers must not be used.
- 5.3 The number of power outlets must be equal to the number of data outlets.

6. Switch specifications

- 6.1 Only Cisco switches are to be used and they should be powered through rack mount UPSes.
- 6.2 Fiber connectivity to the switches shall be through SX, SFP or X2 ports. For SFP and X2 slots, the bidder should provide the appropriate modules to ensure a complete solution. No media converters are to be used.
- 6.3 **The switches must always be supplied with redundant modules.**

7. Testing and documentation

- 7.1 To maintain manufacturer's installation warranty and reduce the cost of cable maintenance, any proposed installation must be supported by manufacturer's documentation and installation certificate.
- 7.2 Testing should gather the following information for each cabling element tested:
 - A wiremap that indicates the cabling has no shorts, opens, miswires, split, reversed or crossed pairs, and that end-to-end connectivity is achieved.
 - Copper should be tested for attenuation, NEXT, PSNEXT, Return Loss, ELFEXT and PSELFEXT data that would indicate the worst-case result, the frequency at which it occurs, the limit at that point, and the margin.
 - For fiber, test link attenuation in accordance with ANSI/TIA/EIA-526-14A. Measure optical loss on each fiber at 850 nm and 1,300 nm. Measure the loss on each fiber bi-directionally. Also, test the horizontal link and the backbone link.

7.3 Prior to completion of the contract, full test results and documentation shall be submitted to the University for approval. The University will wish to witness at least 10% of the total amount of installed outlets tested.

7.4 As part of the documentation, the contractor must prepare as-installed diagrams showing the locations and layout of the concentration points and the routes taken by the major trunking and uplink cables. These diagrams should include floor plans, including room numbers of the buildings with additional layers containing data, voice, and power cable routes. They should also contain the cable numbers in relation to room numbers.

7.5 The contractor should also document the labelling scheme for all patch panels and socket outlets. The Contractor shall be responsible for printed labels of all cables and cords, distribution frames, and outlet locations. **No labels are to be written by hand.**

7.6 **3** copies of the documentation should be submitted to Makerere University before sign-off of the works completion.

8. Warranty

Warranty must be at least five years for the cabling solution and one year for the active devices.

Part 3: Section 6 Statement of Requirements

C. Brief Description of Supplies and Related Services

Lot 1: Data cabling upgrade for NOC and DRC

Item no	Brief Description of Supplies and Related Services	Quantity		
		NOC	Physics	Total
	Distribution cabling			
1	6-core multimode fiber (10 Gigabit application)			
	Equipment rack			
2	10 Gigabit patchcord (fiber, duplex)	38	4	42
3	Gigabit patchcord (copper)	30	5	35
4	Fiber patch panel	8	2	10
5	Fiber adapter plate			
6	Blind plate			
7	Cable manager			
8	KVM switch (8-port, 1U rackmount)	6	1	8
9	KVM switch cable	30	5	35
	Active devices			
10	Cisco Catalyst 3560E-12D switch	2	2	4
11	Cisco Catalyst 3560E-24TD-E switch	6	1	7
12	Supervisor V-10GE module (WS-X4516-10GE)	1	1	2
13	Redundant supervisor V-10GE module (WS-X4516-10GE/2)	1	1	2
14	Cisco IOS software			
15	10GbE module (X2-10GB-SR)	38	4	42
16	Labour			
17	Additional items (detail individually)			

Please note that the quantities stated must be maintained.

Part 3: Section 6 Statement of Requirements

Lot 2: LAN upgrades for Main Campus

	Main Building				MISR Library	IACE Library	University Hospital	Fine Art			
	Basement	Grnd floor	First floor	Second floor				Main Block	King don	Printing	Const able
ITEM											
Work Place											
Data outlet (RJ45 module)											
Voice outlet (RJ-11) module											
Blank module											
Face plate (double outlets)											
CAT6 patch cord (3m)											
Cabling											
6-core multimode fiber											
UTP CAT6											
UTP CAT3 (2-pair)											
UTP CAT3 (24-pair)											
UTP CAT3 (50-pair)											
Equipment rack											
9U equipment rack											
12U equipment rack											
42U equipment rack											
CAT6 patch cord (1m)											
Fiber patch cord											
24 port patch panel											
48 port patch panel											
Fiber patch panel											
Adapter plate											
Blind plate											
Punch down block (rackmount)											
Patch cord manager											

Part 3: Section 6 Statement of Requirements

	Main Building				MISR Library	IACE Library	University Hospital	Fine Art			
	Basement	Grnd floor	First floor	Second floor				Main Block	King don	Prin ting	Const able
UPS – 750VA (APC, rack mount)											
UPS – 5000VA (APC, rack mount)											
Cable management											
Trunking (MarshallTufflex, 100mm x 50mm)											
Dividing fillet											
Trunking accessories											
Accessory box (single gang)											
Accessory box (double gang)											
Flexible conduit											
Steel pipe											
Cast iron pipes											
PVC pipes											
Labour											
Active Components											
Cisco Catalyst Express 500G-12TC											
Cisco Catalyst 2950SX-24											
Cisco Catalyst 2950-24											
Cisco Catalyst 2950SX-48											
Cisco Catalyst 2960-48TT-L											
SFP module (multimode)											
Power cabling (for computer room and racks only)											
Consumer unit											
Power cable (2.5 sq. mm for sockets)											
Power cable (6 sq. mm for connection to MDF)											

Part 3: Section 6 Statement of Requirements

	Main Building				MISR Library	IACE Library	University Hospital	Fine Art			
	Basement	Grnd floor	First floor	Second floor				Main Block	King don	Prin ting	Const able
Circuit Breaker											
Double socket outlet											
Additional items (<i>detail individually</i>)											

Part 3: Section 6 Statement of Requirements

Lot 3: Fiber backbone collapse for Mulago Campus and fiber backbone link to Galloway Hostel

No	Brief Description of Supplies and Related Services	Quantity			
		Anatomy	Pathology	Galloway	Total
	Work Place				
1	Data outlet (RJ45 module)				
2	Blank module				
3	Face plate (double outlets)				
4	CAT6 patch cord (3m)				
	Cabling				
5	Armoured 48-core singlemode fiber cable				
6	Armoured 6-core singlemode fiber cable				
	Cabinet Administration				
7	42U equipment rack				
8	12U equipment rack (wall mount)				
9	CAT6 patch cord (1m)				
10	24 port patch panel				
11	Fiber patch cord				
12	Fiber patch panel (48-port)				
13	Fiber patch panel (6-port)				
14	Adapter plate				
15	Blind plate				
16	Connectors				
17	1U patch cord organisers				
18	UPS – rack mount (750VA)				
19	UPS – rack mount (5000VA)				
	Cable management				
20	PVC trunking (Marshall Tufflex, 100x50mm)				
21	PVC pipe				
22	Cast iron pipe				
23	Steel pipe				
	Active Components				
24	Cisco Catalyst Express 500-24LC				
25	GBIC module (WS-G5486)				
26	SFP module (GLC-LH-SM=)				
	Power cabling				
27	Double socket outlet				
28	Power cable				
29	moulded box				
30	Labour				
31	Additional items (detail individually)				

Part 3: Section 6 Statement of Requirements

Lot 4: LAN installations for Mulago Campus

No	Brief Description of Supplies and Related Services	Quantity						
		Anatomy			Family Medicine		Bio chemistry	Total
		Grnd floor	1st floor	2nd floor	Grnd floor	1st floor		
	Work Place							
1	RJ45 module							
2	Blank module							
3	Face plate (double outlets)							
4	CAT6 patch cord (3m)							
	Cabling							
5	UTP CAT6							
6	6-core multimode fiber							
7	6-core singlemode fiber							
	Equipment rack							
8	12U equipment rack							
9	CAT6 patch cord (1m)							
10	Fiber patch cord							
11	24 port patch panel							
12	Fiber patch panel							
13	Adapter plate							
14	Blind plate							
15	Patch cord manager							
	Cable management							
16	PVC Trunking (Marshall Tufflex, 100mm x 50mm)							
17	Dividing fillet							
18	Accessory box (single gang)							
19	Accessory box (double gang)							
20	Steel pipe							
21	Cast iron pipe							
22	PVC pipe							

Part 3: Section 6 Statement of Requirements

No	Brief Description of Supplies and Related Services	Quantity						
		Anatomy			Family Medicine		Bio chemistry	Total
		Grnd floor	1st floor	2nd floor	Grnd floor	1st floor		
23	Labour							
	Active Components							
24	Cisco Catalyst Express 500-24LC							
25	Cisco Catalyst Express 500G-12TC Switch							
26	Cisco Catalyst 2950-24							
27	Cisco SFP multimode module (GLC-LH-MM=)							
28	Cisco SFP singlemode module (GLC-LH-SM=)							
29	Cisco GBIC module (WS-G5486)							
30	UPS – 750VA (APC, rack mount)							
	I. Power cabling (computer room and racks only)							
31	Consumer unit							
32	Power cable (2.5 sq. mm for sockets)							
33	Power cable(6 sq. mm for connection to MDF)							
34	Circuit Breaker							
35	Double socket outlet							
36	Additional items (detail individually)							

Part 3: Section 6 Statement of Requirements

Lot 5: Active devices for LANs

Item no	Brief Description of Supplies and Related Services	Quantity	Unit of Measure
1	58" Plasma display	1	
2	Cisco Catalyst 4507R (WS-C4507R)	1	
3	Catalyst 4500 Power Supply (PWR-C45-2800ACV)	2	
4	Cisco Catalyst 3560E-12D	1	
5	Cisco Catalyst 3560E-24TD-E	2	
6	Cisco Catalyst Express 500-24LC Switch	10	
7	10GbE module (X2-10GB-SR)	5	
8	GBIC module (WS-G5486)	10	
9	SFP module, singlemode(GLC-LH-SM=)	10	
10	2m duplex fiber patch cable (SMF, LC-LC)	20	
11	2m duplex fiber patch cable (SMF, LC-SC)	10	
12	2m duplex fiber patch cable (MMF, LC-LC)	5	
13	2m duplex fiber patch cable (MMF, LC-SC)	5	
14	2m duplex fiber patch cable (MMF, MTRJ-LC)	5	
15	3m CAT6 patch cables	60	

Part 3: Section 6 Statement of Requirements

2. Delivery and Completion Schedule

Procurement Reference Number: **MUK/SPLS/2008-09/00028**

The delivery or completion period shall commence from the date of contract award. Refer to the Incoterm in the BDS 14.6(a)(i) for the interpretation of the delivery period.

Item number	Brief Description of Supplies or Related Services	Delivery/ Completion Period (<i>weeks</i>)	Delivery Point/ Site
1	Data cabling upgrade for Network Operations Center and Physics switching center	8 weeks	Makerere University
2	LAN upgrades for Main Campus	8 weeks	Makerere University
3	Fiber backbone collapse for Mulago Campus and fiber backbone link to Galloway Hostel	8 weeks	Makerere University
4	LAN installations for Mulago Campus	8 weeks	Makerere University
5	Active devices for LANs	6 weeks	Makerere University

3. Specification and Compliance Sheet**Procurement Reference Number: MUK/SPLS/2008-09/00028****Column b states the minimum technical specification of the item(s) required by the Procuring and Disposing Entity.***The Bidder is to complete column c with the technical specification of the item(s) offered and to state “comply” or “not comply” and give details of the areas of non-compliance.***Lot 1: Data cabling upgrade for Network Operations Center and Physics switching center**

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
<i>a</i>	<i>b</i>	<i>c</i>
1	Manufacturer’s authorisation	
	Cabling solution	
	Cisco switches	
	UPSes	
2	General	
	Detailed work plan	
	Comprehensive structured cabling solution (all passive components from same manufacturer)	
	Schematic drawings	
	Min. 5 Year warranty for cabling (covering application assurance, product, cable, and labour for installations)	
	Not less than one year warranty for active network devices	
3	Cabling	
	6-core multimode cable	
4	Information Outlets	
	Faceplate (2 outlets minimum)	
	Information modules (White colored, shuttered and angled)	
5	Equipment racks	
	Rack mount cable managers	
	Switches (completeness of offered solution)	
	Supervisor modules (completeness of offered solution)	
	10GbE modules (completeness of offered solution)	
	Patch panels (completeness of offered solution)	

Part 3: Section 6 Statement of Requirements

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
	Fiber Patch cords (completeness of offered solution)	
	Copper Patch cords (completeness of offered solution)	
6	Equipment manufacturer's guaranties	
	Cabling Solution	
	Active devices	
7	Testimonials	
	At least three similarly sized installations over the last two years (provide description, client and contact officer, date and size of installation)	
8	Uganda based technical support staff	
	At least one technician certified by manufacturer to design, install and administer the cabling solution quoted for.	

Lot 2: LAN upgrades for Main Campus (Main Building, MISR Library, IACE Library and University Hospital)

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
<i>a</i>	<i>b</i>	<i>c</i>
1	Manufacturer's authorisation	
	Cabling solution	
	Cisco switches	
	UPSes	
2	General	
	Detailed work plan	
	Comprehensive structured cabling solution (all passive components from same manufacturer)	
	Schematic drawings	
	Min. 5 Year warranty for cabling (covering application assurance, product, cable, and labour for installations)	
	2-year warranty for UPSes	
	Not less than one year warranty for active network devices	
3	Cabling	
	Category 6 unshielded twisted pair cable	

Part 3: Section 6 Statement of Requirements

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
	6-core multimode cable	
	Category 3 unshielded twisted pair cable	
4	Conduits	
	Marshall Tufflex trunking	
	Underground conduits: 150mm underground PVC tubing	
	Outdoor conduits: cast iron pipes	
	Indoor conduits: Mild steel pipes	
5	Information Outlets	
	Faceplate (2 outlets minimum)	
	Information modules (White colour, shuttered and angled)	
6	Equipment racks	
	Rack mount UPS for each equipment rack	
	Rack mount cable managers	
	Power supply	
	Switches (completeness of offered solution)	
	Patch panels (completeness of offered solution)	
	Patch cords (completeness of offered solution)	
7	Civil works	
	Trench excavation	
	Making good of damages to tarmac after the laying of cable.	
	Making good of damages to concrete pavements after the laying of cable.	
	Manhole construction (completeness of offered solution)	
	Manhole cover (completeness of offered solution)	
8	Power cabling	
	2.5 sq mm for sockets	
	6 sq mm for supply cables	
	Consumer units for computer rooms (completeness of offered solution)	
	Circuit breakers	
9	Equipment manufacturer's guaranties	
	Cabling Solution	
	Active devices	

Part 3: Section 6 Statement of Requirements

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
10	Testimonials At least three similarly sized installations over the last two years (provide description, client and contact officer, date and size of installation)	
11	Uganda based technical support staff At least one technician certified by manufacturer to design, install and administer the cabling solution quoted for.	

Lot 3: Fiber backbone collapse for Mulago Campus and fiber backbone link to Galloway Hostel

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
<i>a</i>	<i>b</i>	<i>c</i>
12	Manufacturer's authorisation	
	Cabling solution	
	Cisco switches	
	UPSes	
13	General	
	Detailed work plan	
	Comprehensive structured cabling solution (all passive components from same manufacturer)	
	Schematic drawings	
	Min. 5 Year warranty for cabling (covering application assurance, product, cable, and labour for installations)	
	2-year warranty for UPSes	
	Not less than one year warranty for active network devices	
14	Cabling	
	Armoured 48-core, singlemode fiber cable	
	Armoured 48-core, singlemode fiber cable	
	Details for splicing of the fiber	
	Cat6 UTP	
15	Conduits	
	Marshall Tufflex trunking	

Part 3: Section 6 Statement of Requirements

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
	Underground conduits: 150mm underground PVC tubing	
	Outdoor conduits: cast iron pipes	
	Indoor conduits: Mild steel pipes	
16	Information Outlets	
	Faceplate (2 outlets minimum)	
	Information modules (White colored, shuttered and angled)	
17	Equipment racks	
	Equipment racks (completeness of offered solution)	
	Rack mount UPS for each equipment rack	
	Rack mount cable managers	
	Power supply	
	Switches (completeness of offered solution)	
	Patch panels (completeness of offered solution)	
	Patch cords (completeness of offered solution)	
18	Civil works	
	Trench excavation	
	Making good of damages to tarmac after the laying of cable.	
	Making good of damages to concrete pavements after the laying of cable.	
	Manhole construction (completeness of offered solution)	
	Manhole cover (completeness of offered solution)	
19	Equipment manufacturer's guaranties	
	Cabling Solution	
	Active devices	
20	Testimonials	
	At least three similarly sized installations over the last two years (provide description, client and contact officer, date and size of installation)	
21	Uganda based technical support staff	
	At least one technician certified by manufacturer to design, install and administer the cabling solution quoted for.	

Part 3: Section 6 Statement of Requirements

Lot 4: LAN installations for Mulago Campus (Anatomy, Family Medicine and Biochemistry)

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
<i>a</i>	<i>b</i>	<i>c</i>
1	Manufacturer's authorisation	
	Cabling solution	
	Cisco switches	
	UPSes	
2	General	
	Detailed work plan	
	Comprehensive structured cabling solution (all passive components from same manufacturer)	
	Schematic drawings	
	Min. 5 Year warranty for cabling (covering application assurance, product, cable, and labour for installations)	
	2-year warranty for UPSes	
	Not less than one year warranty for active network devices	
3	Cabling	
	Category 6 unshielded twisted pair cable	
	6-core multimode cable	
4	Conduits	
	Marshall Tufflex trunking	
	Steel pipes	
5	Information Outlets	
	Faceplate (2 outlets minimum)	
	Information modules (White colour, shuttered and angled)	
6	Equipment racks	
	Rack mount UPS for each equipment rack	
	Rack mount cable managers	
	Power supply	
	Switches (completeness of offered solution)	
	Patch panels (completeness of offered solution)	
	Patch cords (completeness of offered solution)	

Part 3: Section 6 Statement of Requirements

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
7	Power cabling	
	2.5 sq mm for sockets	
	6 sq mm for supply cables	
	Consumer units for computer rooms (completeness of offered solution)	
	Circuit breakers	
8	Equipment manufacturer's guaranties	
	Cabling Solution	
	Active devices	
9	Testimonials	
	At least three similarly sized installations over the last two years (provide description, client and contact officer, date and size of installation)	
10	Uganda based technical support staff	
	At least one technician certified by manufacturer to design, install and administer the cabling solution quoted for.	

Part 3: Section 6 Statement of Requirements

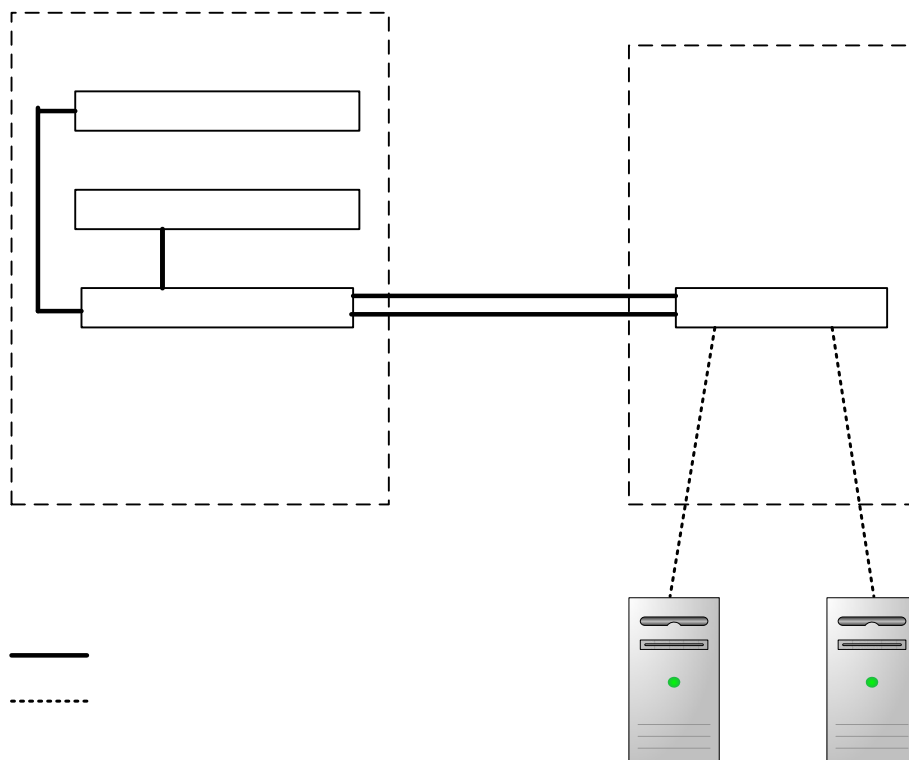
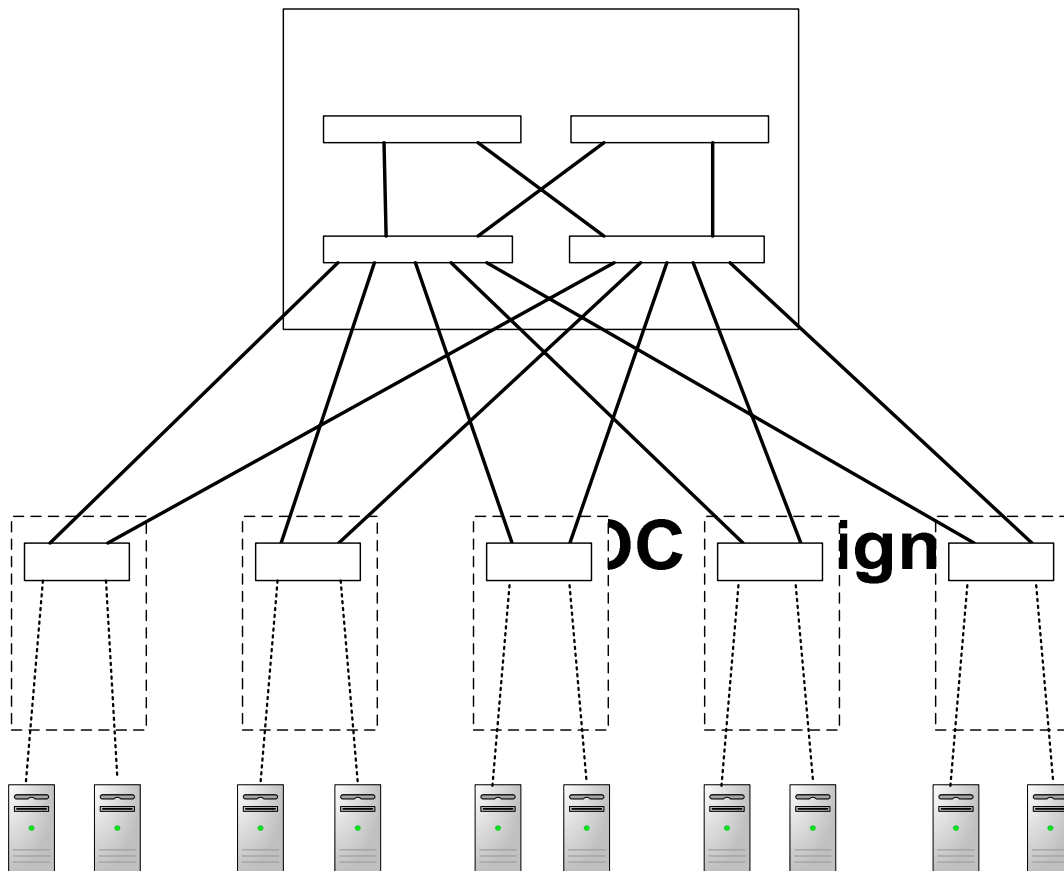
Lot 5: Active devices for LANs

Item No.	Technical Specification required including applicable standards	Compliance of specification offered
<i>a</i>	<i>b</i>	<i>c</i>
1	Manufacturer's authorisation	
	Plasma display	
	Cisco switches	
2	58" Plasma display Screen Size; 58" Aspect Ratio; 16:9 Resolution; 1366 x 768 Contrast Ratio; 10,000:1 Input and Output Connectors; Component: RGB (x1 Input), BNCx3 (x1 Input), PC: 15-Pin D-Sub (x1 Input), Audio: M3 Jack (x1 Input), Audio L/R: RCA (x1 Input) 2 x right/left channel stereo speaker (with surround), 8 Watt Dual Picture Mode HDTV Ready Internal power supply (AC 240 V, 50/60 Hz) Wall mount kit 2 Year Warranty (parts and labour)	
3	Switches (correct model and quantity)	
	Cisco Catalyst 4507R (WS-C4507R)	
	Catalyst 4500 Power Supply (PWR-C45-2800ACV)	
	Cisco Catalyst 3560E-12D	
	Cisco Catalyst 3560E-24TD-E	
	Cisco Catalyst Express 500-24LC Switch	
4	Modules (correct model and quantity)	
	10GbE module (X2-10GB-SR)	
	GBIC module (WS-G5486)	
	SFP module, singlemode(GLC-LH-SM=)	
5	Patch cords (correct quantity)	
	2m duplex fiber patchcord (SMF, LC-LC)	
	2m duplex fiber patchcord (SMF, LC-SC)	
	2m duplex fiber patchcord (MMF, LC-LC)	
	2m duplex fiber patchcord (MMF, LC-SC)	
	2m duplex fiber patchcord (MMF, MTRJ-LC)	
	3m CAT6 patchcord	

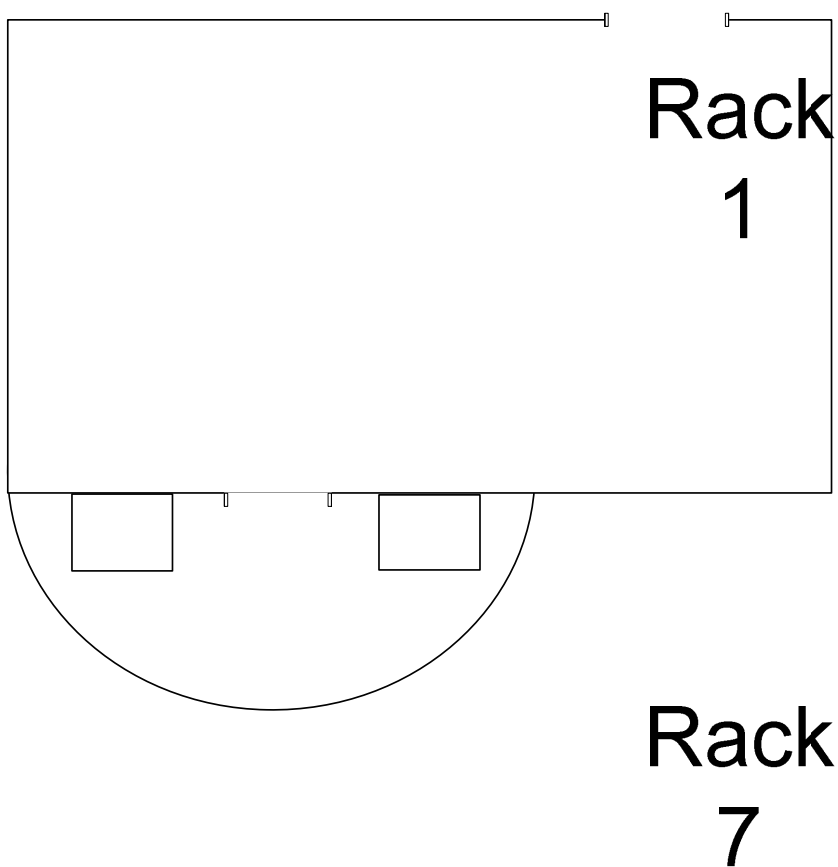
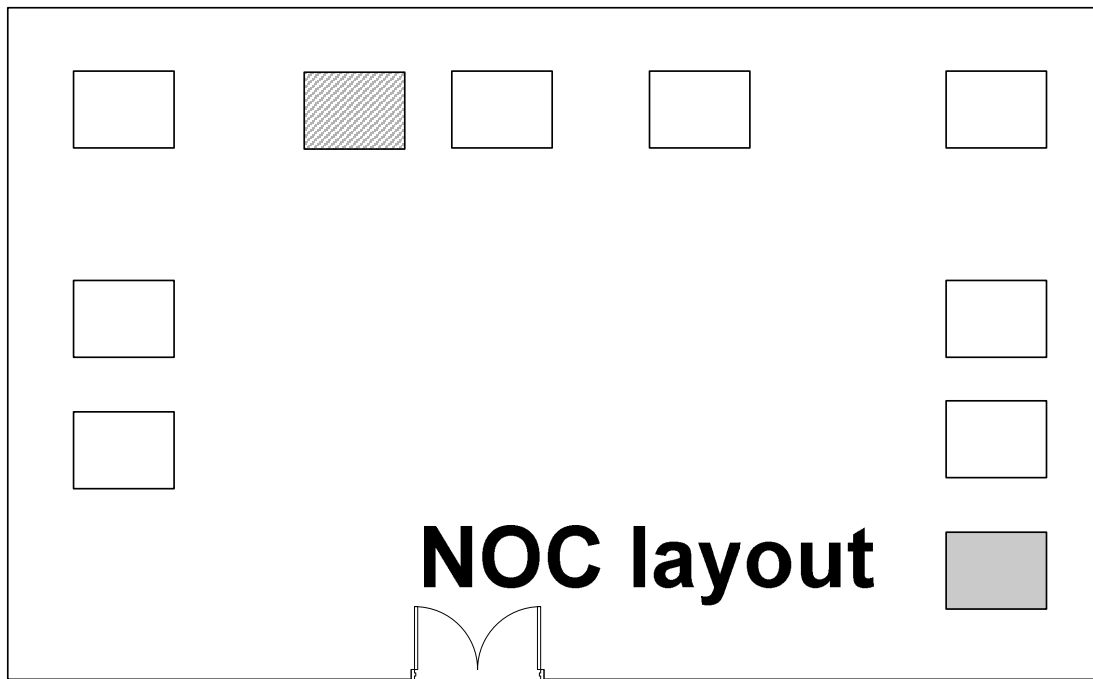
4. Drawings**Procurement Reference Number: MUK/SPLS/2008-09/00028**

List of related Drawings		
Drawing number	Drawing name	Purpose
1	Data cabling upgrade design	Design for the data cabling upgrade design
2	Data cabling upgrade location layout	Layouts of the data cabling upgrade locations
3	Main Building	Number and location of data and voice outlets
4	Voice uplinks for Main Building	Connections of multi-pair cable for voice installation
5	MISR Library	Number and location of data outlets
6	IACE Library	Number and location of data and power outlets
7	University Hospital (Counselling Center)	Number and location of data outlets
8	Fine Art Building layout	Layout of the buildings for which fiber uplinks are required
9	Fine Art LAN	Number and location of data outlets
10	Fiber backbone layout for Mulago Campus	
11	Galloway Hostel LAN	Number and location of data outlets
12	Anatomy LAN	Number and location of data and power outlets
13	Uplinks for Anatomy LAN	Connection of fiber uplinks between floors
14	Family Medicine LAN	Number and location of data outlets
15	Biochemistry LAN	Number and location of data outlets

1. Data cabling upgrade design

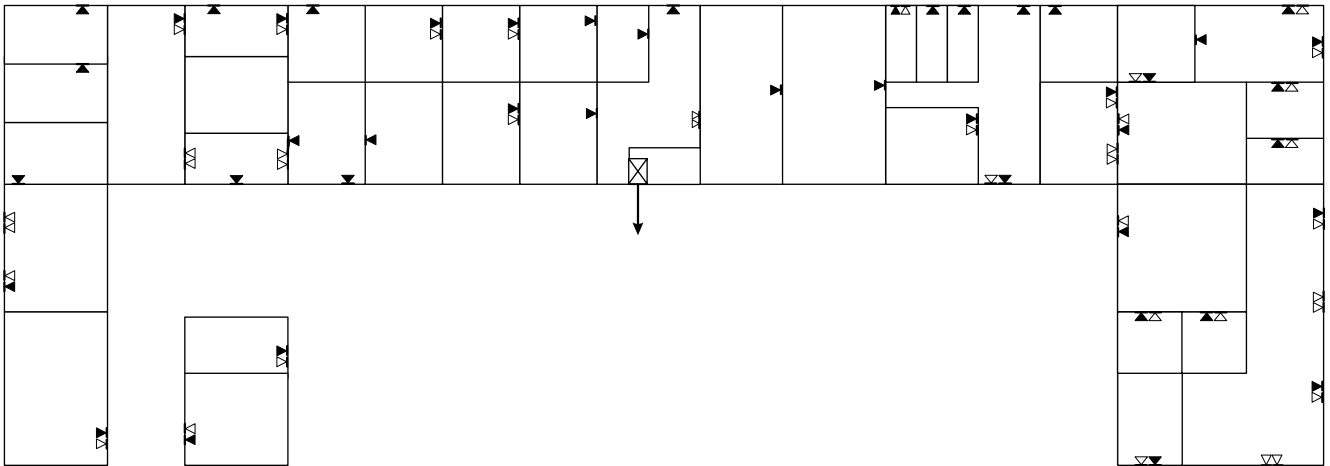


2. Data cabling upgrade location layout

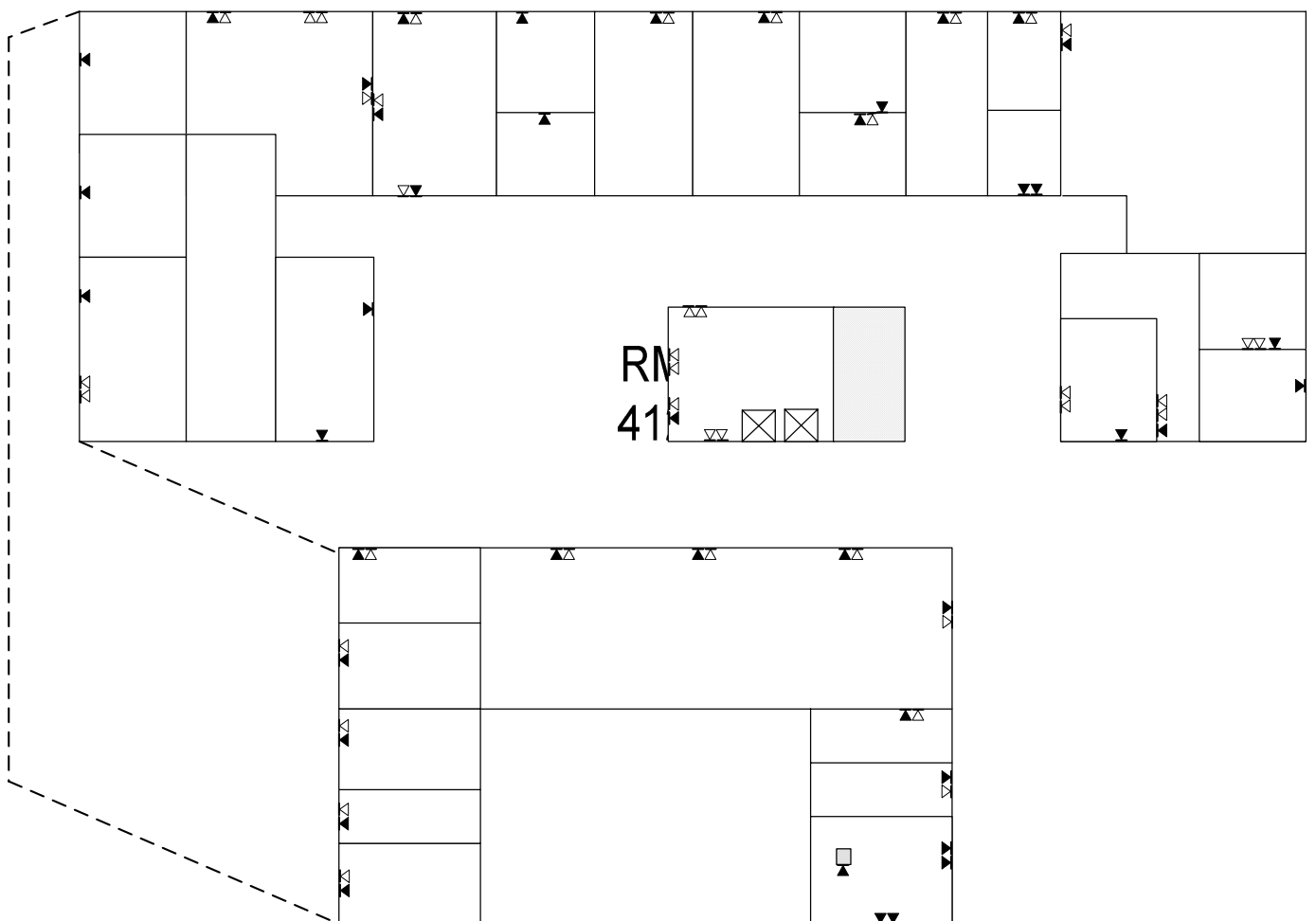


Part 3: Section 6 Statement of Requirements

3. Main Building

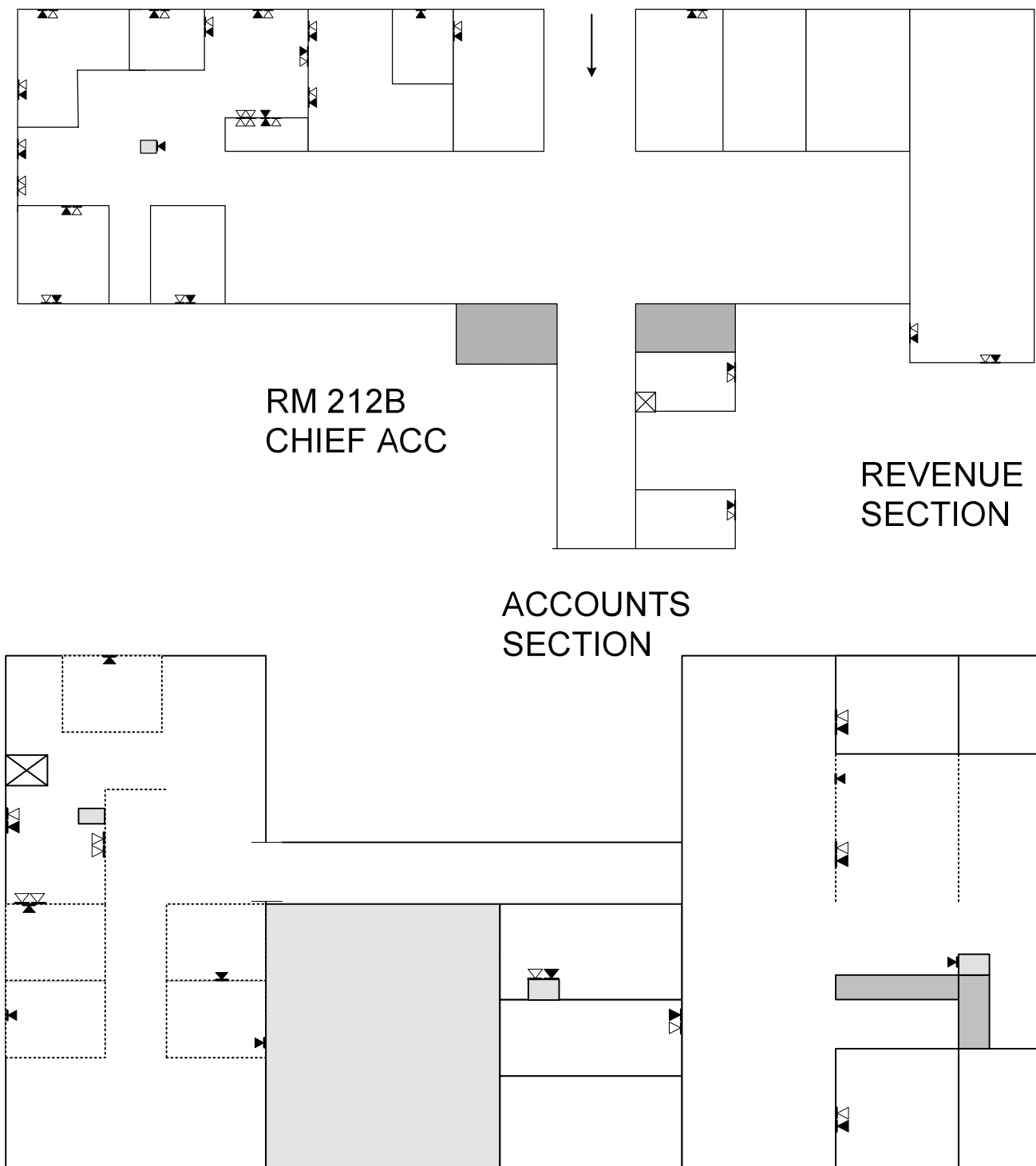


SECOND FLOOR



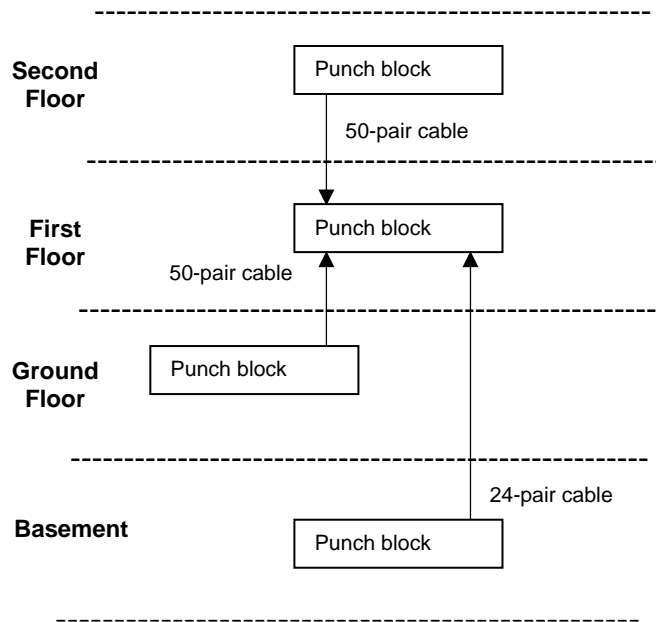
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Part 3: Section 6 Statement of Requirements

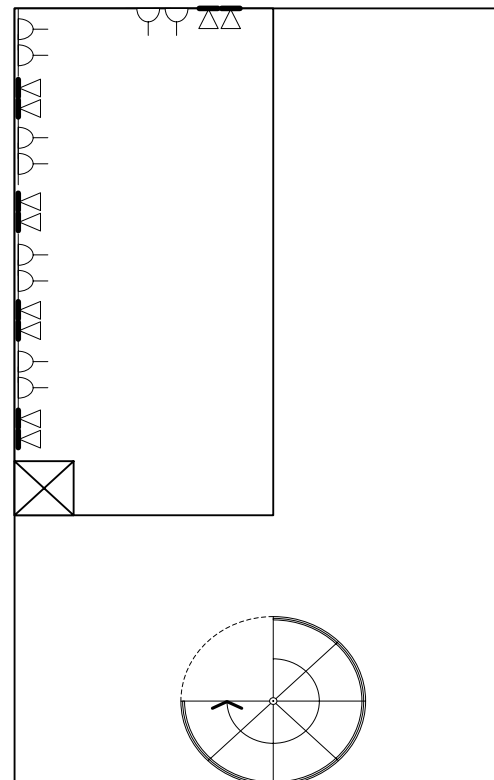
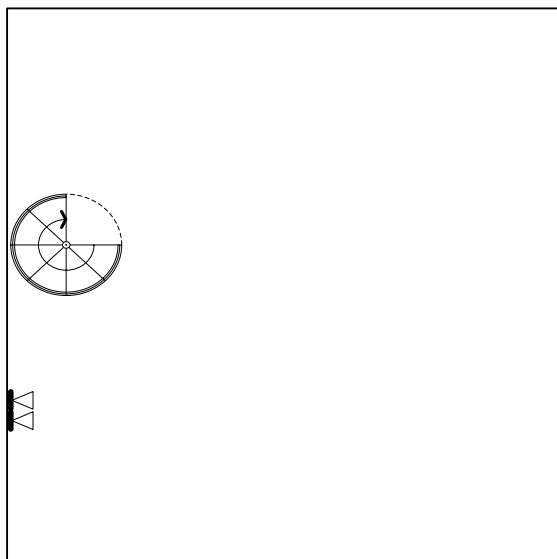


4. Voice uplinks for Main Building

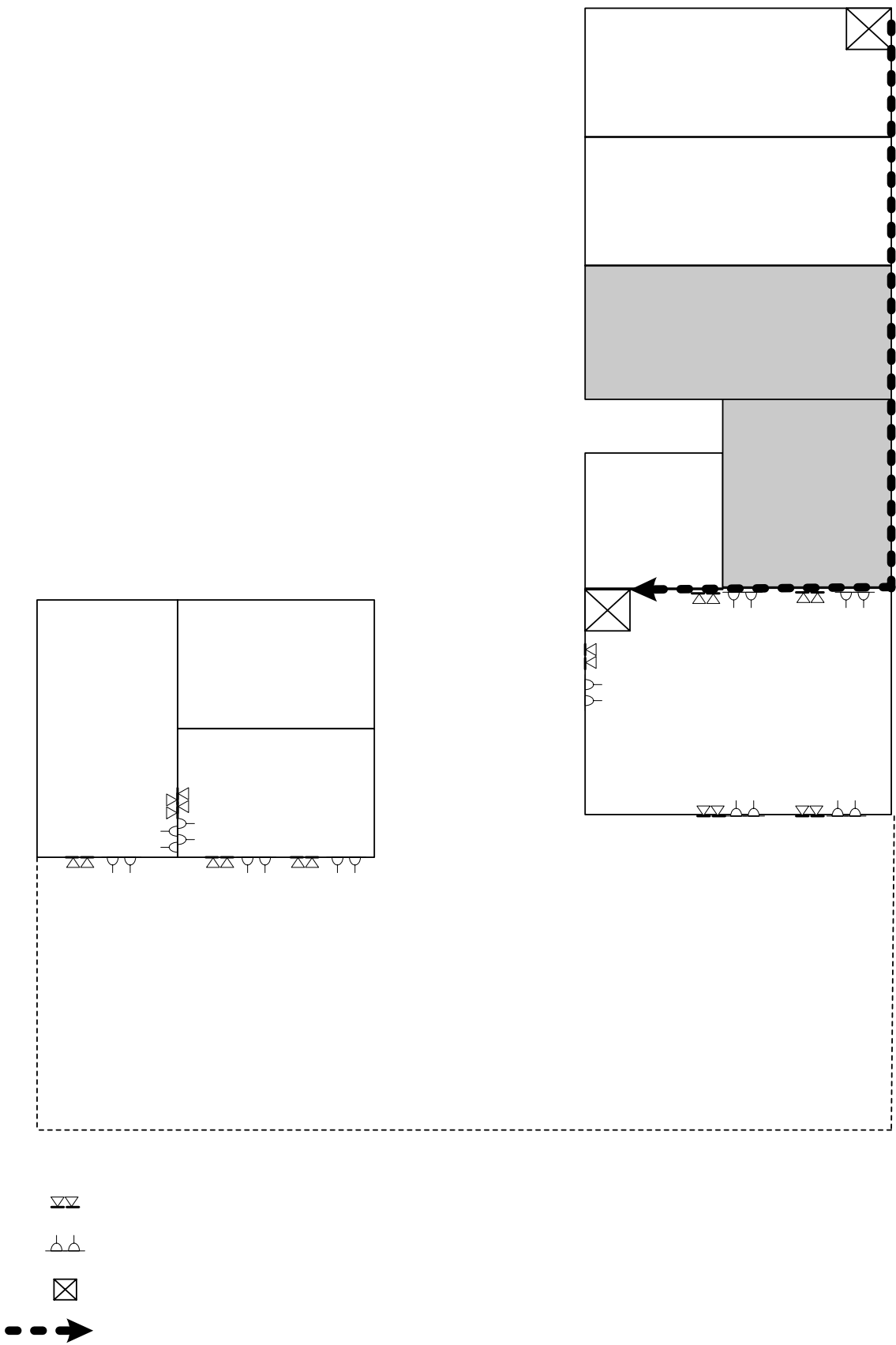
Part 3: Section 6 Statement of Requirements



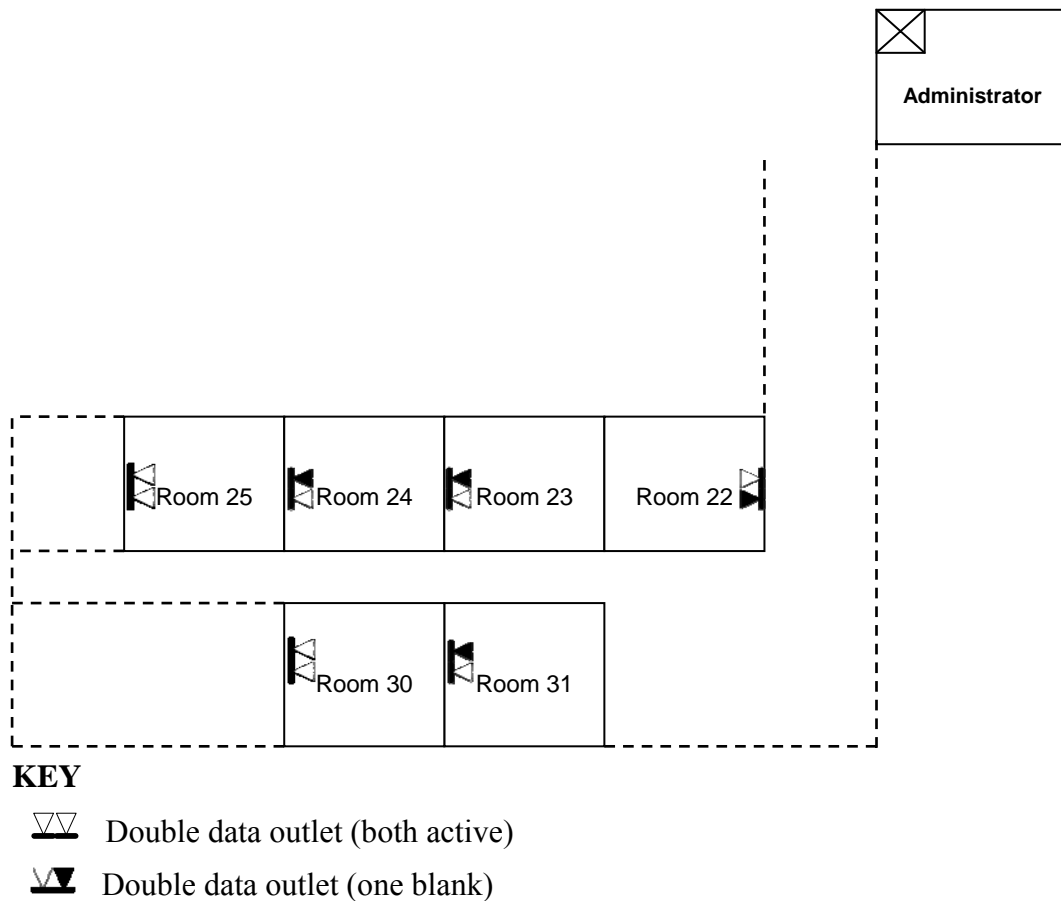
5. MISR Library



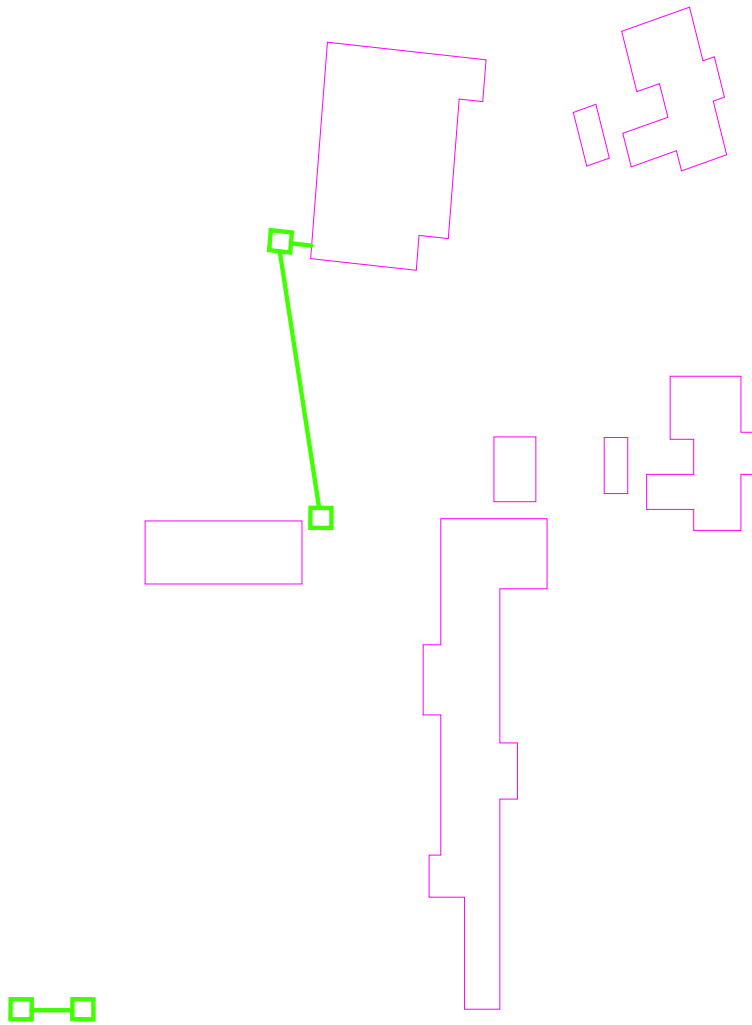
6. IACE Library



7. University Hospital

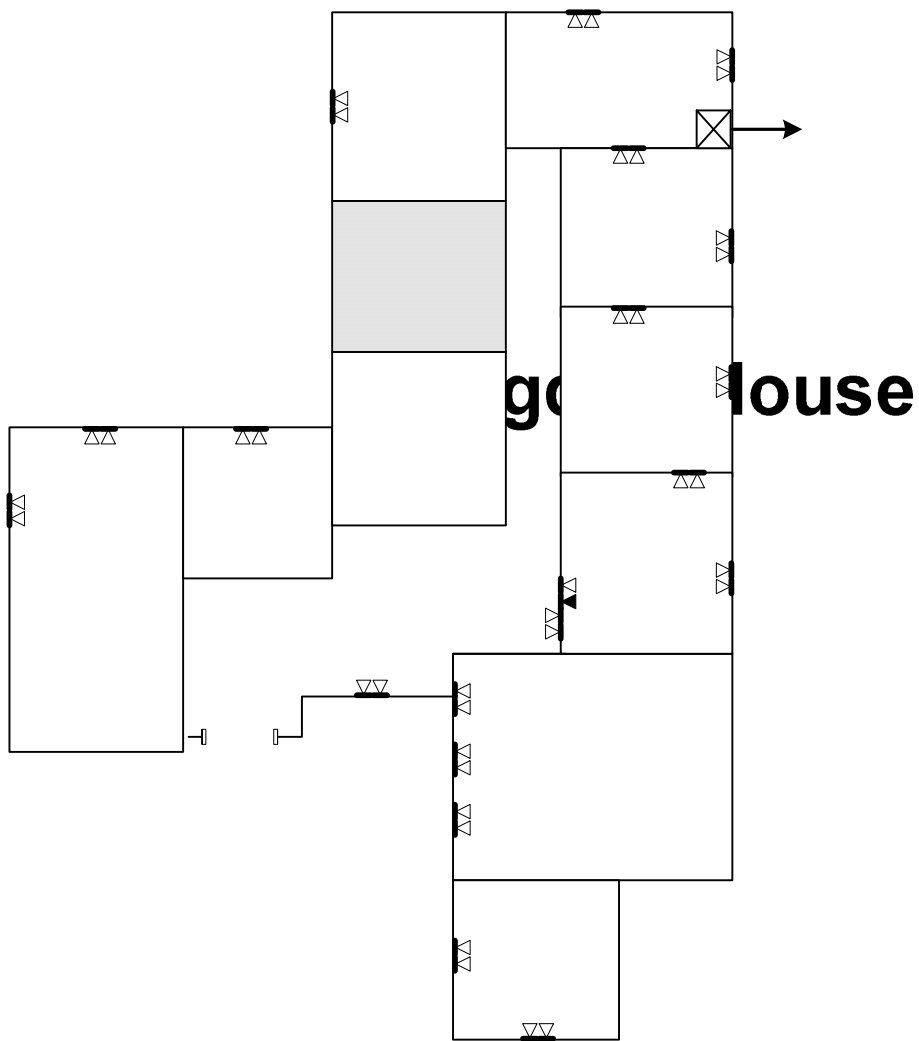


8. Fine Art Building layout



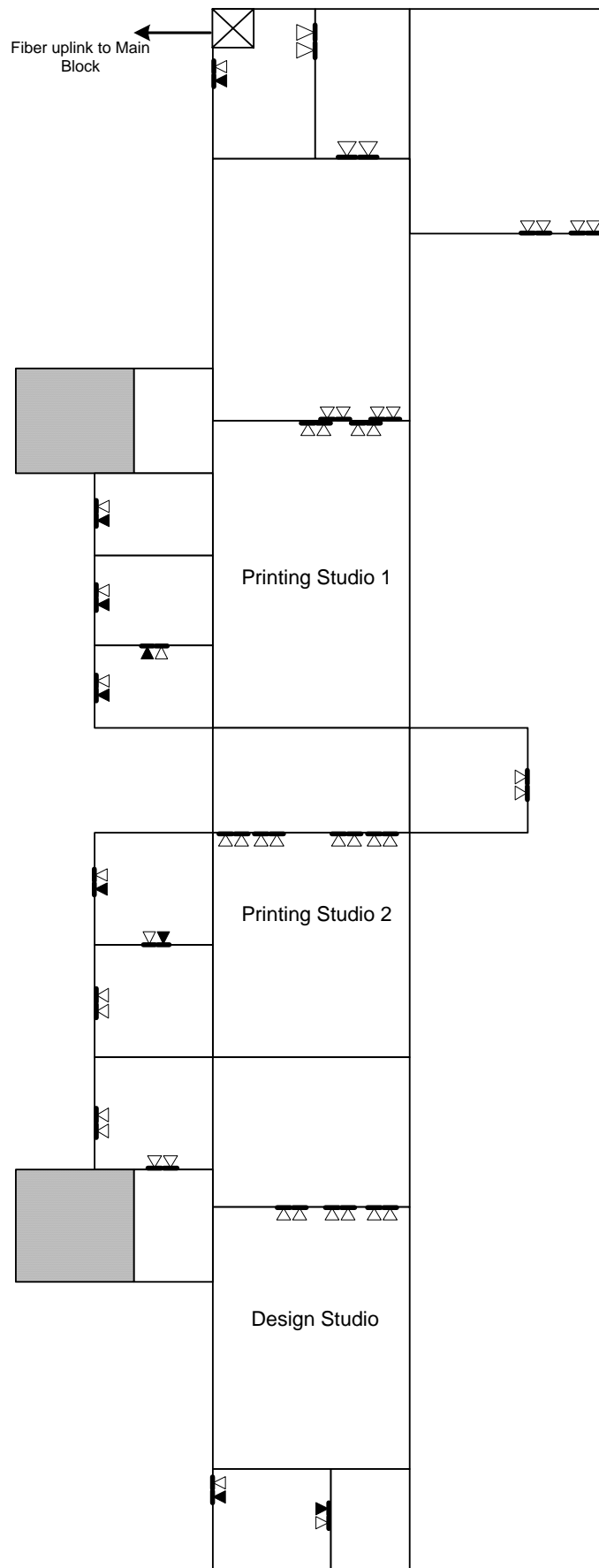
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9. Fine Art LAN



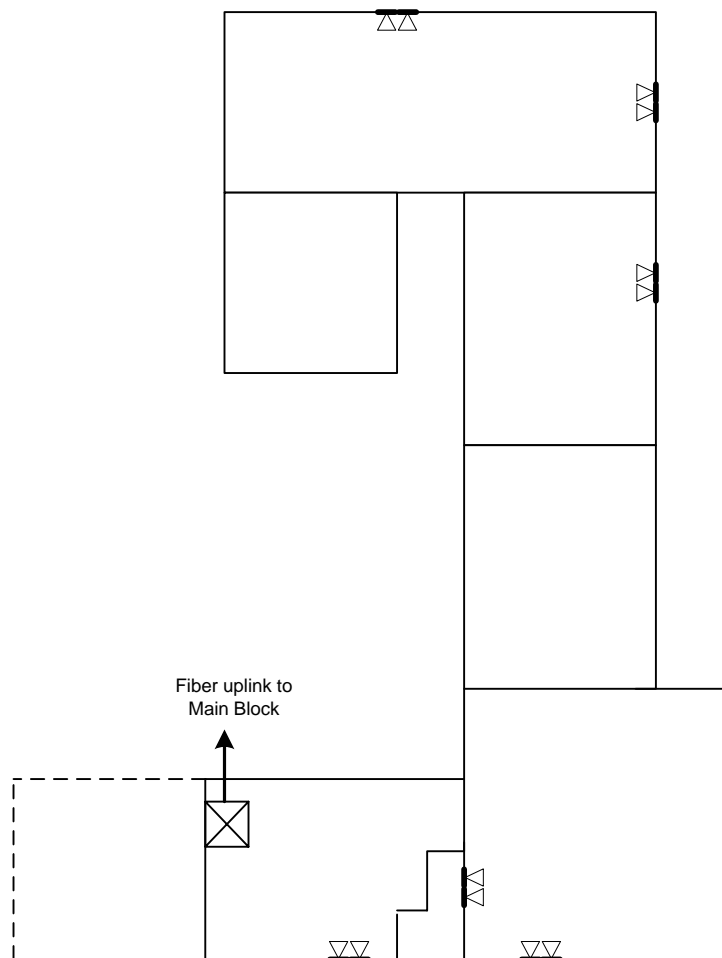
Part 3: Section 6 Statement of Requirements

Printing





Part 3: Section 6 Statement of Requirements


Constable House



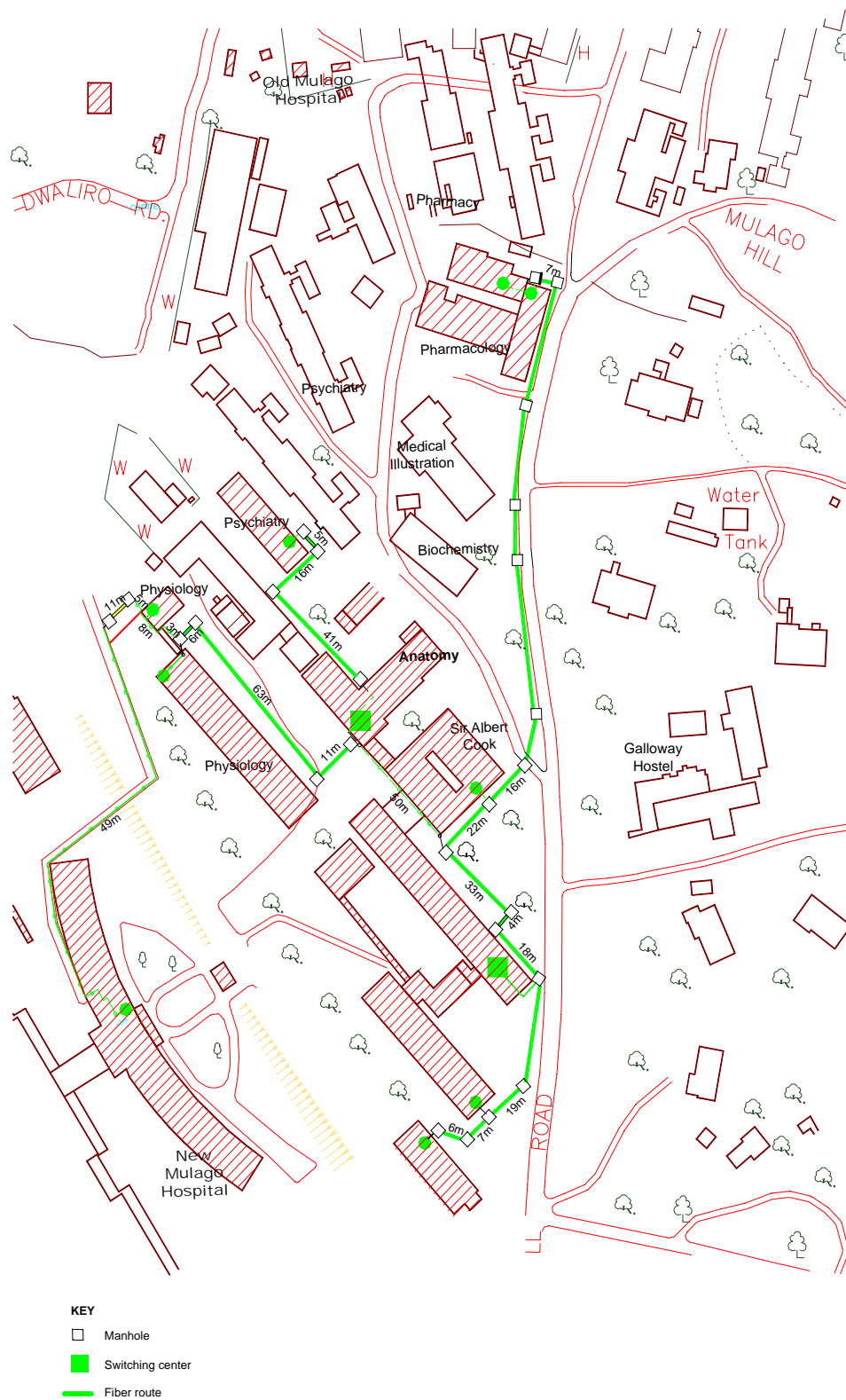
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 Double data outlet (both active)

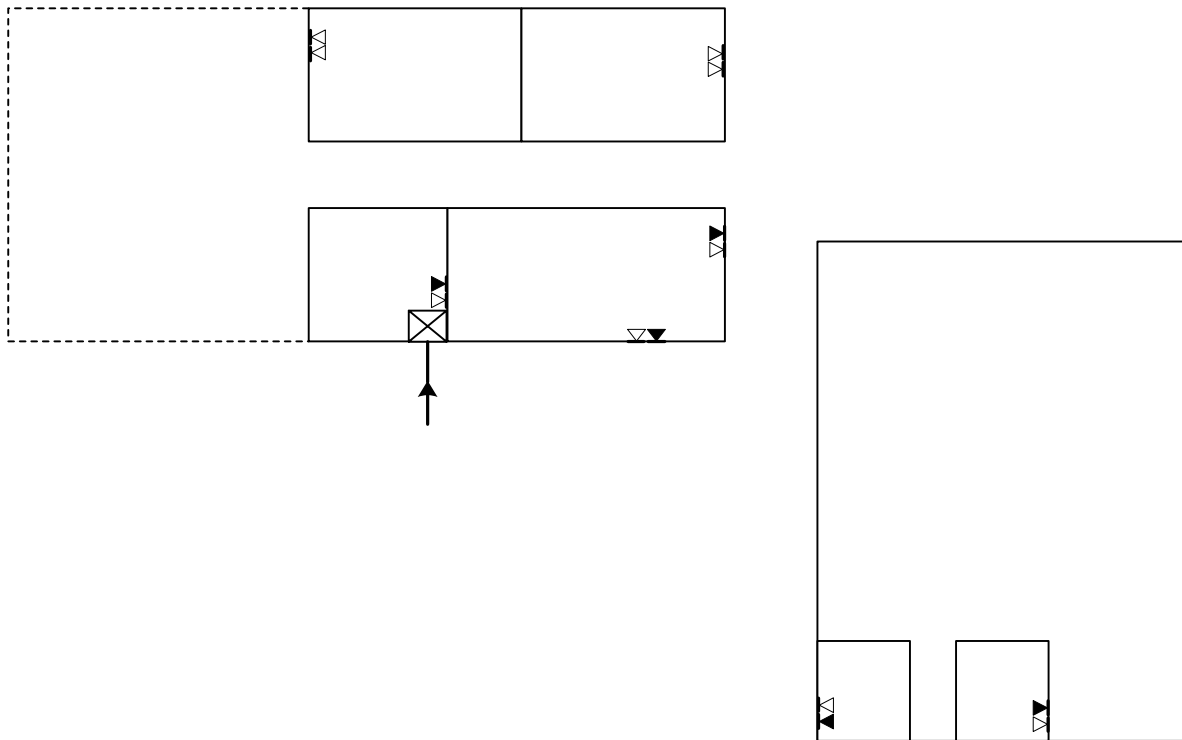
 Double data outlet (one blank)

 Equipment rack

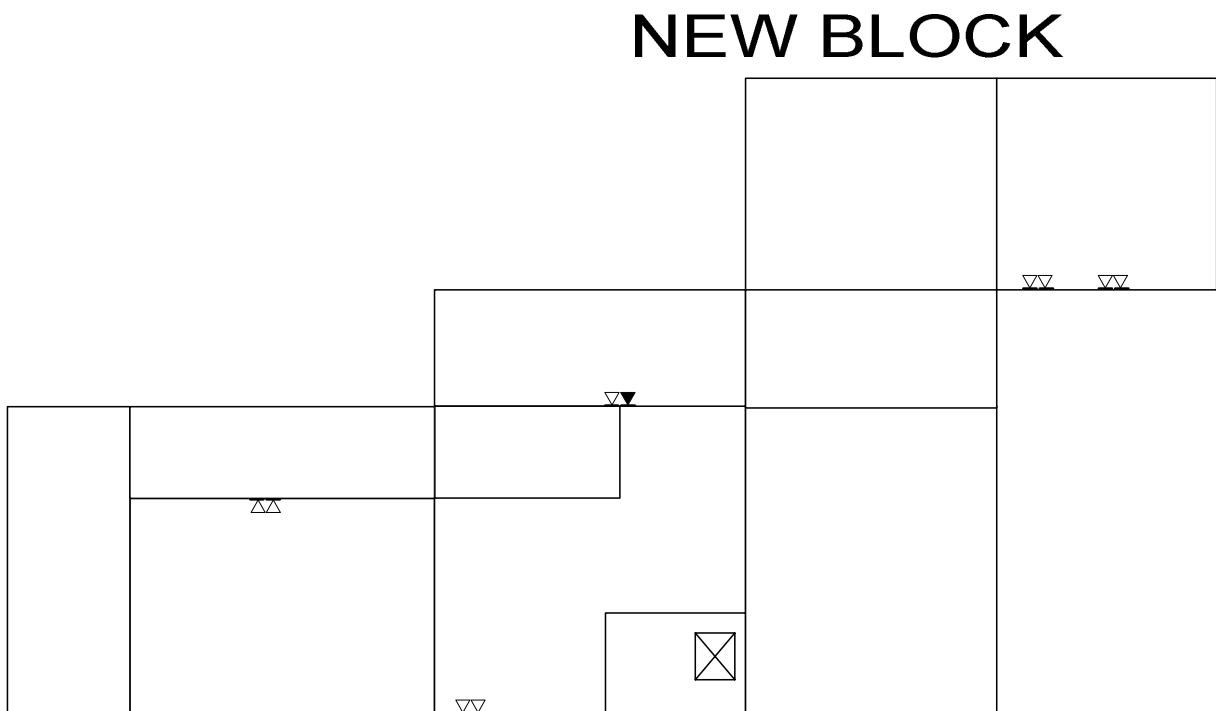
10. Fiber backbone layout for Mulago Campus



11. Galloway Hostel LAN

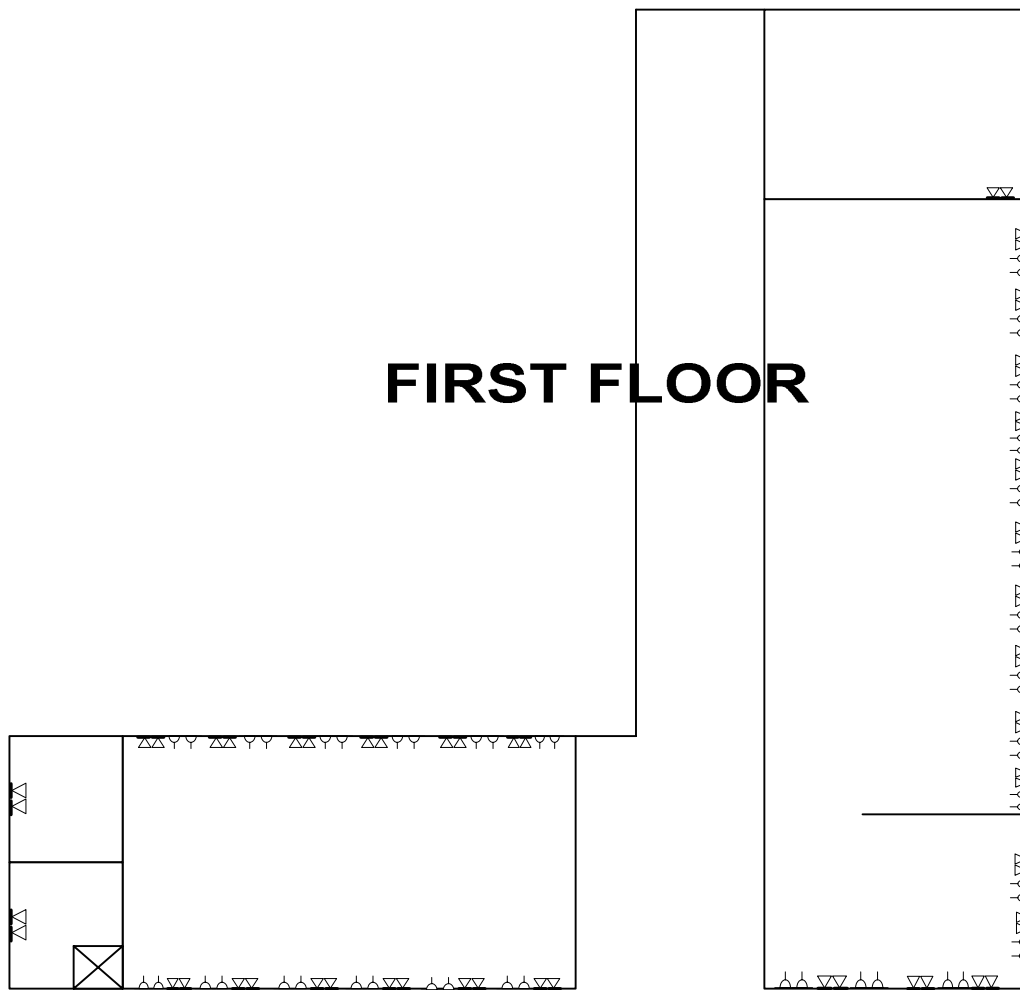


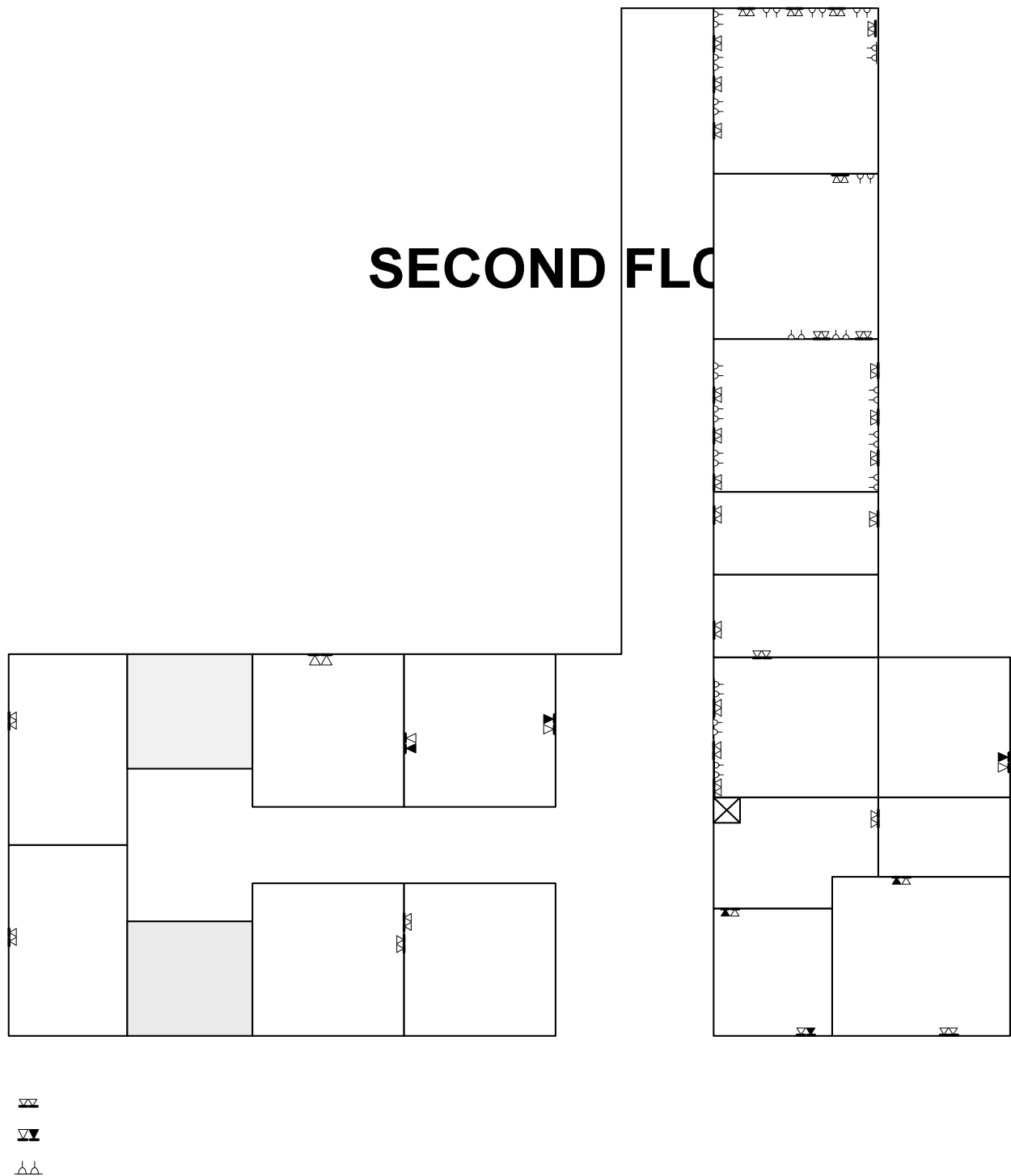
12. Anatomy LAN



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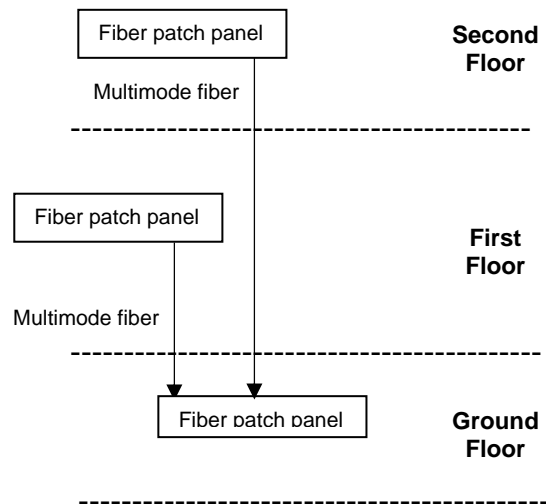
Fibe
Path





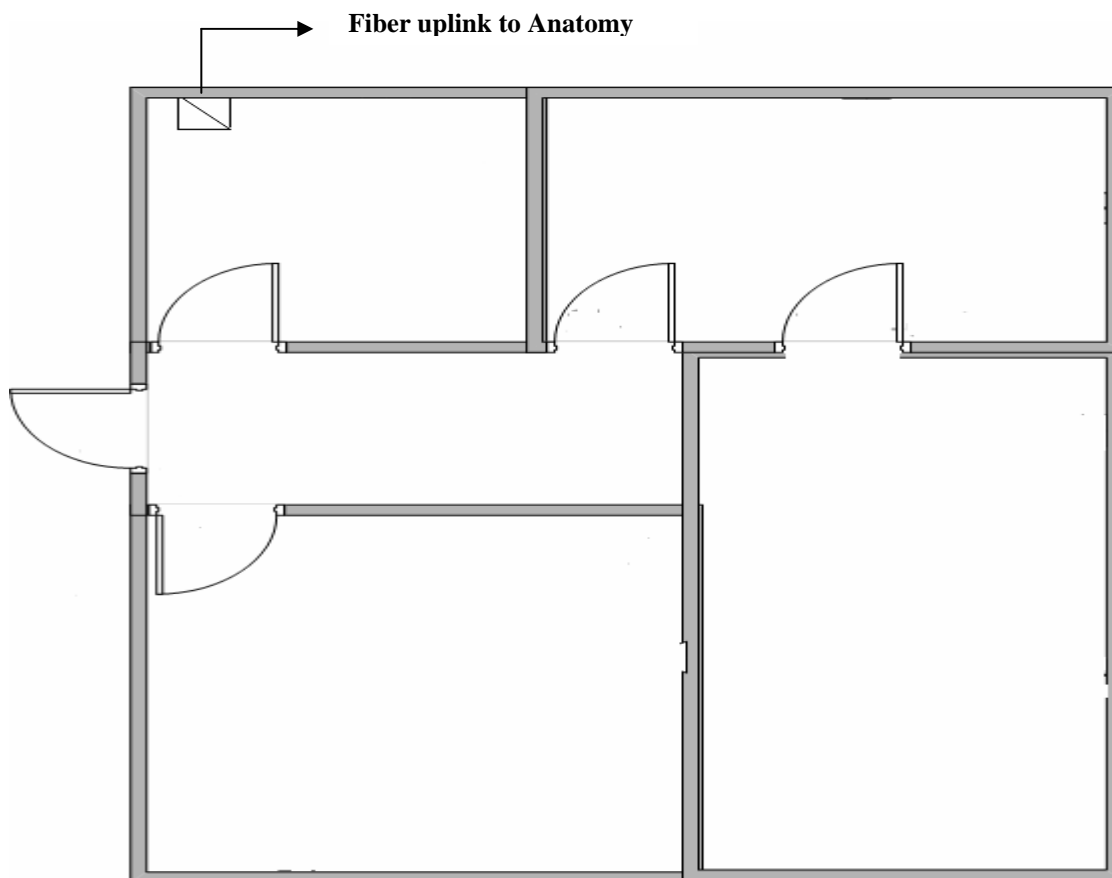
Part 3: Section 6 Statement of Requirements

13. Uplinks for Anatomy LAN

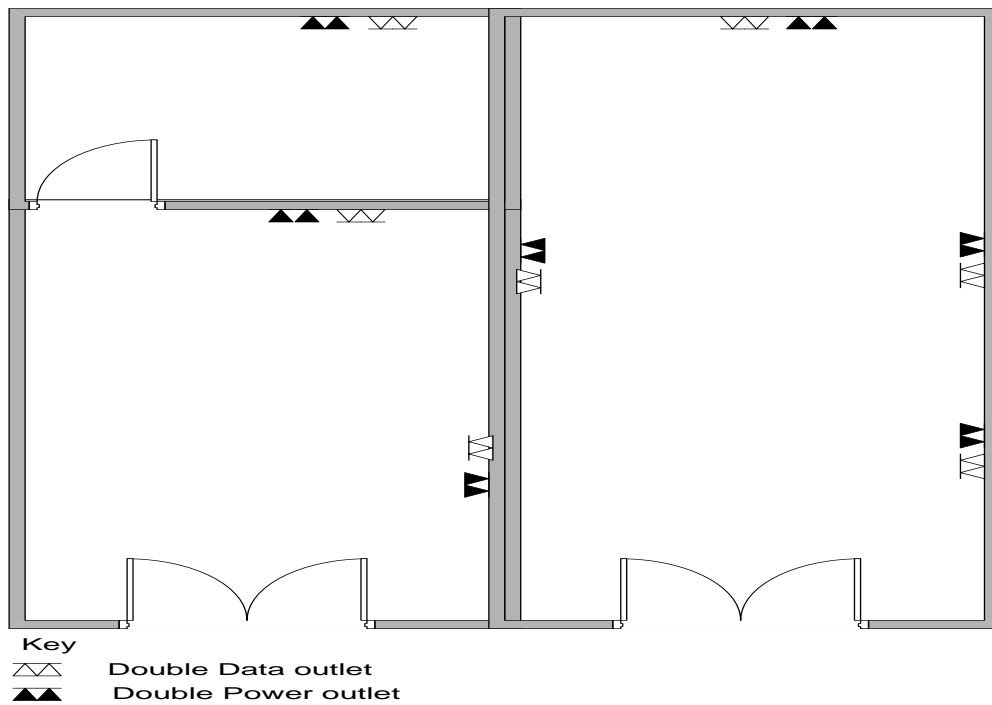


14. Family Medicine LAN

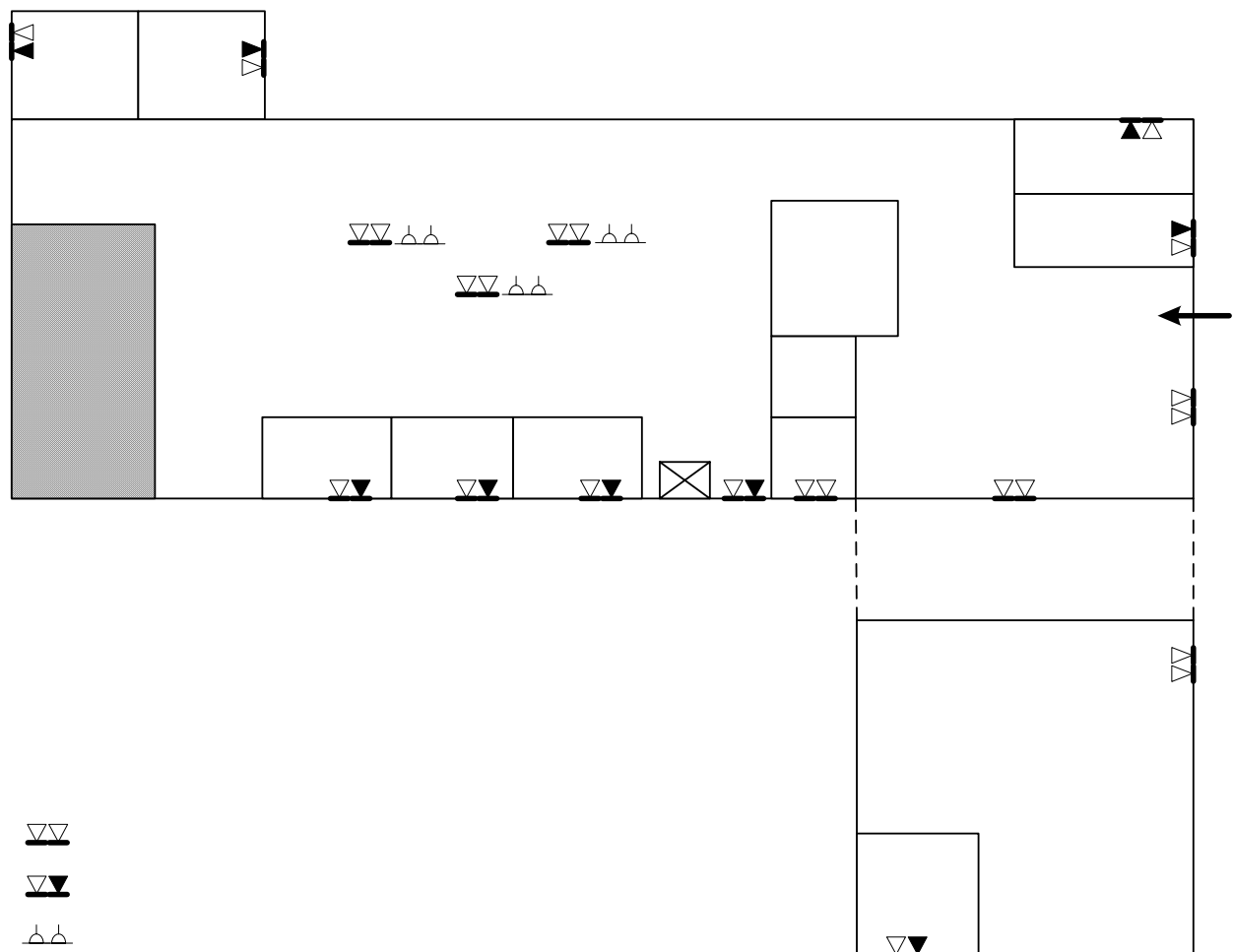
First Floor



Second Floor



15. Biochemistry LAN



5. Inspections and Tests

Procurement Reference Number: MUK/SPLS/2008-09/00028

List of Inspections and Tests	
Items subject to Inspection and Tests;	Trunking, information outlets, active devices and wiring closets
Type of inspection or tests and the standards to be met;	Physical inspection of the stated specifications
Location of the inspection or tests;	<ul style="list-style-type: none">• Main Campus• Mulago Campus
Inspection agency;	<ul style="list-style-type: none">• Directorate for ICT Support (DICTS), Makerere University• Main Building• Economics• MISR Library• IACE Library• University Hospital• Fine Art• Pathology• Anatomy• Galloway• Biochemistry• Family Medicine
Timing of the inspection;	Before, during and after installation
Notifications or documentation required from the provider;	<ul style="list-style-type: none">• Copy of manual and operating guide• Details of the Bidder's Quality Assurance procedures• Warranty certificates• Installation certificates• After sales support
Provision of any samples for inspection;	
Cost of the inspection;	
Arrangements and costs for any re-inspection required;	
Any other relevant details.	

Section 7. General Conditions of Contract for the Procurement of Supplies

Table of Contents

1.	Definitions	2
2.	Contract Documents	3
3.	Corrupt Practices	3
4.	Interpretation	4
5.	Language	4
6.	Joint Venture, Consortium or Association	4
7.	Eligibility	5
8.	Notices	5
9.	Governing Law	5
10.	Settlement of Disputes	5
11.	Scope of Supply	5
12.	Delivery and Documents	5
13.	Provider's Responsibilities	6
14.	Procuring and Disposing Entity's Responsibilities	6
15.	Contract Price	6
16.	Terms of Payment	6
17.	Taxes and Duties	6
18.	Performance Security	7
19.	Copyright	7
20.	Confidential Information	7
21.	Subcontracting	8
22.	Specifications and Standards	8
23.	Packing and Documents	9
24.	Insurance	9
25.	Transportation	9
26.	Inspections and Tests	9
27.	Liquidated Damages	10
28.	Warranty	10
29.	Patent Indemnity	11
30.	Limitation of Liability	12
31.	Change in Laws and Regulations	12
32.	Force Majeure	12
33.	Change Orders and Contract Amendments	12
34.	Extensions of Time	13
35.	Termination	13
36.	Assignment	14

Section 7. General Conditions of Contract for the Procurement of Supplies (June 2003)

1. Definitions

- 1.1 The following words and expressions shall have the meanings hereby assigned to them:
- (a) “Completion” means the fulfilment of the Related Services by the Provider in accordance with the terms and conditions set forth in the Contract.
 - (b) “Contract” means the Agreement entered into between the Procuring and Disposing Entity and the Provider, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
 - (c) “Contract Documents” means the documents listed in the Agreement, including any amendments thereto.
 - (d) “Contract Price” means the price payable to the Provider as specified in the Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
 - (e) “Day” means working day.
 - (f) “Delivery” means the transfer of the Supplies from the Provider to the Procuring and Disposing Entity in accordance with the terms and conditions set forth in the Contract.
 - (g) “Eligible Countries” means the countries and territories eligible as listed in the SCC.
 - (h) “GCC” means the General Conditions of Contract.
 - (i) “Procuring and Disposing Entity” means the entity purchasing the Supplies and Related Services, as specified in the Agreement.
 - (j) “Provider” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Procuring and Disposing Entity and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Provider.
 - (k) “Related Services” means the services incidental to the provision of Supplies, such as insurance, installation, training and initial maintenance and other similar obligations of the Provider under the Contract.
 - (l) “SCC” means the Special Conditions of Contract.
 - (m) “Subcontractor” means any natural person, private or government entity, or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Supplies to be provided or execution of any part of the Related Services is subcontracted by the Provider.
 - (n) “Supplies” means goods, raw materials, products, equipment or objects of any kind and description in solid, liquid or gaseous form, or in the form of electricity, or intellectual and proprietary rights as well as works or services incidental to the provision of such supplies where the value of such works or services does not exceed the value of the supplies.
 - (o) “The Site,” where applicable, means the place named in the SCC.

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

2. Contract Documents

2.1 The documents forming the Contract shall be interpreted in the following order of priority:

- (a) Agreement,
- (b) any Letter of Bid Acceptance,
- (c) The Provider's Bid, as amended by any clarifications,
- (d) Special Conditions of Contract,
- (e) General Conditions of Contract,
- (f) Statement of Requirements,
- (g) any other document listed in the SCC as forming part of the Contract.

2.2 Subject to the order of precedence set forth in Sub-Clause 2.1, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

3. Corrupt Practices

3.1 It is the Government of Uganda's policy to require that Procuring and Disposing Entities, as well as Bidders and Providers under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the Government of Uganda:

(a) defines, for the purposes of this provision, the terms set forth below as follows:

- (i) "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
- (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 Procuring and Disposing Entity, and includes collusive practices among Bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the Procuring and Disposing Entity of the benefits of free and open competition;

(b) will suspend a firm, either indefinitely or for a stated period of time, from being awarded a Government funded contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government funded Contract.

3.2 The Provider shall permit the Government of Uganda to inspect the Provider's accounts and records relating to the performance of the Provider and to have them audited by auditors appointed by the Government of Uganda, if so required by the Government.

3.3 In pursuit of the policy defined in Sub-Clause 3.1, the Procuring and Disposing Entity may terminate a Contract for Supplies if it at any time determines that corrupt or fraudulent practices were engaged in by representatives of the Procuring and Disposing Entity or of a Provider, during the procurement or the execution of that contract, without the Procuring and Disposing Entity having taken timely and appropriate action satisfactory to the Government of Uganda to remedy the situation.

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

4. Interpretation

4.1 If the context so requires it, singular means plural and vice versa.

4.2 Incoterms

- (a) Unless otherwise specified in the SCC, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.
- (b) EXW, CIF, CIP, and other similar terms, shall be governed by the rules prescribed in the edition of Incoterms, published by the International Chamber of Commerce as specified in the SCC.

4.3 Entire Agreement

The Contract constitutes the entire agreement between the Procuring and Disposing Entity and the Provider and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.

4.4 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorised representative of each party thereto.

4.5 Nonwaiver

- (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorised representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Provider and the Procuring and Disposing Entity, shall be written in English unless specified otherwise in the SCC. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5.2 The Provider shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

6. Joint Venture, Consortium or Association

6.1 Unless otherwise specified in the SCC, if the Provider is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Procuring and Disposing Entity for the fulfilment of the provisions of the Contract and shall

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Procuring and Disposing Entity.

7. Eligibility

- 7.1 The Provider and its Subcontractors shall have the nationality of an eligible country. A Provider or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.
- 7.2 All Supplies and Related Services to be supplied under the Contract shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the Supplies have been grown, mined, cultivated, produced, manufactured, or processed, or through manufacture, processing, or assembly, another commercially recognised article results that differs substantially in its basic characteristics from its imported components.

8. Notices

- 8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term “in writing” means communicated in written form with proof of receipt.
- 8.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.

9. Governing Law

- 9.1 The Contract shall be governed by and interpreted in accordance with the laws of Uganda unless otherwise specified in the SCC.

10. Settlement of Disputes

- 10.1 The Procuring and Disposing Entity and the Provider 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.
- 10.2 If the parties fail to resolve such a dispute or difference by mutual consultation within twenty-eight (28) days from the commencement of such consultation, either party may require that the dispute be referred for resolution under the Arbitration law of Uganda or such other formal mechanism specified in the SCC.

11. Scope of Supply

- 11.1 The Supplies and Related Services to be provided shall be as specified in the Statement of Requirements.
- 11.2 The Supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery and Completion of the Supplies and Related Services as if such items were expressly mentioned in the Contract.

12. Delivery and Documents

- 12.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Supplies and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Statement of Requirements. The details of shipping and other

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

documents to be furnished by the Provider are specified in the SCC.

13. Provider's Responsibilities

- 13.1 The Provider shall provide all the Supplies and Related Services included in the Scope of Supply in accordance with GCC Clause 11, and the Delivery and Completion Schedule, as per GCC Clause 12.

14. Procuring and Disposing Entity's Responsibilities

- 14.1 Whenever the provision of Supplies and Related Services requires that the Provider obtain permits, approvals, and import and other licenses from local public authorities in Uganda, the Procuring and Disposing Entity shall, if so required by the Provider, make its best effort to assist the Provider in complying with such requirements in a timely and expeditious manner.
- 14.2 The Procuring and Disposing Entity shall pay all costs involved in the performance of its responsibilities, in accordance with GCC Sub-Clause 14.1.

15. Contract Price

- 15.1 The Contract Price shall be as specified in the Agreement subject to any additions and adjustments thereto, or deductions therefrom, as may be made pursuant to the Contract.
- 15.2 Prices charged by the Provider for the Supplies delivered and the Related Services performed under the Contract shall not vary from the prices quoted by the Provider in its bid, with the exception of any price adjustments authorised in the SCC.

16. Terms of Payment

- 16.1 The Contract Price shall be paid as specified in the SCC.
- 16.2 The Provider's request for payment shall be made to the Procuring and Disposing Entity in writing, accompanied by invoices describing, as appropriate, the Supplies delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 12 and upon fulfilment of all the obligations stipulated in the Contract.
- 16.3 Unless otherwise specified in the SCC, payments shall be made promptly by the Procuring and Disposing Entity, no later than thirty (30) days after submission of an invoice or request for payment by the Provider, and its certification by the Procuring and Disposing Entity. The Procuring and Disposing Entity shall certify or reject such invoices or payment requests within five (5) days from receipt. Where such invoices or payment requests are rejected, the Procuring and Disposing Entity shall advise the Provider of the reasons for rejection.
- 16.4 The currency or currencies in which payments shall be made to the Provider under this Contract shall be specified in the SCC.

17. Taxes and Duties

- 17.1 Except as otherwise specifically provided in the SCC, the Provider shall bear and pay all taxes, import duties, and levies imposed on the Provider, by all municipal, state or national government authorities, both within and outside Uganda, in connection with the Supplies and Related Services to be supplied under the Contract.
- 17.2 Notwithstanding GCC Sub-Clause 17.1, and unless otherwise specified in the SCC, the Procuring and Disposing Entity shall bear and promptly pay all taxes, import duties, and levies imposed by law in Uganda on the Supplies and Related Services when such Supplies and Related Services are supplied from and delivered or

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

completed outside Uganda.

- 17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Provider in Uganda, the Procuring and Disposing Entity shall use its best efforts to enable the Provider to benefit from any such tax savings to the maximum allowable extent.
- 17.4 For the purpose of the Contract, it is agreed that the Contract Price specified in the Agreement is based on the taxes, duties, levies, and charges prevailing at the date twenty-eight (28) days prior to the date of bid submission in Uganda (called "tax" in this sub-clause). If any tax rates are increased or decreased, a new tax is introduced, an existing tax is abolished, or any change in interpretation or application of any tax occurs in the course of the performance of the Contract, which was or will be assessed on the Provider, its Subcontractors, or their employees in connection with performance of the Contract, an equitable adjustment to the Contract Price shall be made to fully take into account any such change by addition to or reduction from the Contract Price, as the case may be.

18. Performance Security

- 18.1 If so stated in the SCC, the Provider shall, within twenty-eight (28) days of the notification of contract award, provide a Performance Security for the due performance of the Contract in the amount and currency specified in the SCC or in a freely convertible currency acceptable to the Procuring and Disposing Entity.
- 18.2 The proceeds of the Performance Security shall be payable to the Procuring and Disposing Entity as compensation for any loss resulting from the Provider's failure to complete its obligations under the Contract.
- 18.3 The Performance Security shall be in one of the forms stipulated by the Procuring and Disposing Entity in the SCC, or in another form acceptable to the Procuring and Disposing Entity.
- 18.4 The Performance Security shall be discharged by the Procuring and Disposing Entity and returned to the Provider not later than twenty-eight (28) days following the date of completion of the Provider's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the SCC.

19. Copyright

- 19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Procuring and Disposing Entity by the Provider herein shall remain vested in the Provider, or, if they are furnished to the Procuring and Disposing Entity directly or through the Provider by any third party, including Providers of materials, the copyright in such materials shall remain vested in such third party.

20. Confidential Information

- 20.1 The Procuring and Disposing Entity and the Provider shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Provider may furnish to its Subcontractor such documents, data, and other information it receives from the Procuring and Disposing Entity to the extent required for the Subcontractor to perform its work under the Contract, in which event the Provider shall obtain from such Subcontractor an

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

- undertaking of confidentiality similar to that imposed on the Provider under GCC Clause 20.
- 20.2 The Procuring and Disposing Entity shall not use such documents, data, and other information received from the Provider for any purposes unrelated to the contract. Similarly, the Provider shall not use such documents, data, and other information received from the Procuring and Disposing Entity for any purpose other than the design, procurement, or other work and services required for the performance of the Contract.
- 20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:
- (a) the Procuring and Disposing Entity or Provider need to share with any institution participating in the financing of the Contract;
 - (b) now or hereafter enters the public domain through no fault of that party;
 - (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- 20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

21. Subcontracting

- 21.1 The Provider shall notify the Procuring and Disposing Entity in writing of all subcontracts awarded under the Contract if not already specified in the bid. Subcontracting shall in no event relieve the Provider from any of its obligations, duties, responsibilities, or liability under the Contract.
- 21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

22. Specifications and Standards

- 22.1 Technical Specifications and Drawings
- (a) The Provider shall ensure that the Supplies and Related Services comply with the technical specifications and other provisions of the Contract.
 - (b) The Provider shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Procuring and Disposing Entity, by giving a notice of such disclaimer to the Procuring and Disposing Entity.
 - (c) The Supplies and Related Services supplied under this Contract shall conform to the standards mentioned in the Statement of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the Supplies.
- 22.2 Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Statement of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

approval by the Procuring and Disposing Entity and shall be treated in accordance with GCC Clause 33.

23. Packing and Documents

- 23.1 The Provider shall provide such packing of the Supplies as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Supplies' final destination and the absence of heavy handling facilities at all points in transit.
- 23.2 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 the SCC, and in any other instructions ordered by the Procuring and Disposing Entity.

24. Insurance

- 24.1 Unless otherwise specified in the SCC, the Supplies provided under the Contract shall be fully insured, in a freely convertible currency from an eligible country, against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterm or in the manner specified in the SCC.

25. Transportation

- 25.1 Responsibility for transportation of the Supplies shall be in accordance with the Incoterm specified in the SCC.

26. Inspections and Tests

- 26.1 The Provider shall at its own expense and at no cost to the Procuring and Disposing Entity carry out all such tests and/or inspections of the Supplies and Related Services as are specified in the Statement of Requirements.
- 26.2 The inspections and tests may be conducted on the premises of the Provider or its Subcontractor, at point of delivery, and/or at the Supplies' final destination, or in another place in Uganda as specified in the SCC. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Provider or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring and Disposing Entity.
- 26.3 The Procuring and Disposing Entity or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Procuring and Disposing Entity bears all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all travelling and board and lodging expenses.
- 26.4 Whenever the Provider is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Procuring and Disposing Entity. The Provider shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Procuring and Disposing Entity or its designated representative to attend the test and/or inspection.
- 26.5 The Procuring and Disposing Entity may require the Provider to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

characteristics and performance of the Supplies comply with the technical specifications codes and standards under the Contract, provided that the Provider's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Provider's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.

- 26.6 The Provider shall provide the Procuring and Disposing Entity with a report of the results of any such test and/or inspection.
- 26.7 The Procuring and Disposing Entity may reject any Supplies or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Provider shall either rectify or replace such rejected Supplies or parts thereof or make alterations necessary to meet the specifications at no cost to the Procuring and Disposing Entity, and shall repeat the test and/or inspection, at no cost to the Procuring and Disposing Entity, upon giving a notice pursuant to GCC Sub-Clause 26.4.
- 26.8 The Provider agrees that neither the execution of a test and/or inspection of the Supplies or any part thereof, nor the attendance by the Procuring and Disposing Entity or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Provider from any warranties or other obligations under the Contract.

27. Liquidated Damages

- 27.1 If so stated in the SCC and except as provided under GCC Clause 32, if the Provider fails to deliver any or all of the Supplies or perform the Related Services within the period specified in the Contract, the Procuring and Disposing Entity may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the Contract Price for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those SCC. Once the maximum is reached, the Procuring and Disposing Entity may terminate the Contract pursuant to GCC Clause 35.

28. Warranty

- 28.1 The Provider warrants that all the Supplies are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 28.2 Subject to GCC Sub-Clause 22.1, the Provider further warrants that the Supplies shall be free from defects arising from any act or omission of the Provider or arising from design, materials, and workmanship, under normal use in the conditions prevailing in Uganda.
- 28.3 Unless otherwise specified in the SCC, the warranty shall remain valid for twelve (12) months after the Supplies, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or for eighteen (18) months after the date of shipment or loading in the country of origin, whichever period concludes earlier.
- 28.4 The Procuring and Disposing Entity shall give notice to the Provider stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Procuring and Disposing Entity shall afford all reasonable

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

opportunity for the Provider to inspect such defects.

- 28.5 Upon receipt of such notice, the Provider shall, within two weeks or such other period specified in the SCC, expeditiously repair or replace the defective Supplies or parts thereof, at no cost to the Procuring and Disposing Entity.
- 28.6 If having been notified, the Provider fails to remedy the defect within the period specified in Sub-Clause 28.5, the Procuring and Disposing Entity may proceed to take within a reasonable period such remedial action as may be necessary, at the Provider's risk and expense and without prejudice to any other rights which the Procuring and Disposing Entity may have against the Provider under the Contract.

29. Patent Indemnity

- 29.1 The Provider shall, subject to the Procuring and Disposing Entity's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Procuring and Disposing Entity and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Procuring and Disposing Entity may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) the installation of the Supplies by the Provider or their use in Uganda or where the Site is located; and
- (b) the sale in any country of the products produced by the Supplies.

Such indemnity shall not cover any use of the Supplies or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Supplies or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Provider, pursuant to the Contract.

- 29.2 If any proceedings are brought or any claim is made against the Procuring and Disposing Entity arising out of the matters referred to in GCC Sub-Clause 29.1, the Procuring and Disposing Entity shall promptly give the Provider a notice thereof, and the Provider may at its own expense and in the Procuring and Disposing Entity's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.
- 29.3 If the Provider fails to notify the Procuring and Disposing Entity within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Procuring and Disposing Entity shall be free to conduct the same on its own behalf.
- 29.4 The Procuring and Disposing Entity shall, at the Provider's request, afford all available assistance to the Provider in conducting such proceedings or claim, and shall be reimbursed by the Provider for all reasonable expenses incurred in so doing.
- 29.5 The Procuring and Disposing Entity shall indemnify and hold harmless the Provider and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Provider may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

materials provided or designed by or on behalf of the Procuring and Disposing Entity.

30. Limitation of Liability

30.1 Except in cases of gross negligence or willful misconduct:

- (a) neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Provider to pay liquidated damages to the Procuring and Disposing Entity; and
- (b) the aggregate liability of the Provider to the Procuring and Disposing Entity, whether under the Contract, in tort, or otherwise, shall not exceed the total contract value or such other amount specified in the SCC, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Provider to indemnify the Procuring and Disposing Entity with respect to patent infringement.

31. Change in Laws and Regulations

31.1 Unless otherwise specified in the Contract, if after the date of the Bidding Document, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Uganda or where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Provider has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.

32. Force Majeure

- 32.1 The Provider 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.
- 32.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Provider that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Provider. Such events may include, but not be limited to, acts of the Government of Uganda in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 32.3 If a Force Majeure situation arises, the Provider shall promptly notify the Procuring and Disposing Entity in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring and Disposing Entity in writing, the Provider 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.

33. Change Orders and Contract Amendments

- 33.1 The Procuring and Disposing Entity may at any time order the Provider through notice in accordance with GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:
 - (a) drawings, designs, or specifications, where Supplies to be furnished under the

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

Contract are to be specifically manufactured for the Procuring and Disposing Entity;

- (b) the method of shipment or packing;
- (c) the place of delivery; and
- (d) the Related Services to be provided by the Provider.

- 33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Provider's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Provider for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Provider's receipt of the Procuring and Disposing Entity's change order.
- 33.3 Prices to be charged by the Provider for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Provider for similar services.

34. Extensions of Time

- 34.1 If at any time during performance of the Contract, the Provider or its subcontractors should encounter conditions impeding timely delivery of the Supplies or completion of Related Services pursuant to GCC Clause 12, the Provider shall promptly notify the Procuring and Disposing Entity in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Provider's notice, the Procuring and Disposing Entity shall evaluate the situation and may at its discretion extend the Provider's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Provider in the performance of its Delivery and Completion obligations shall render the Provider liable to the imposition of liquidated damages pursuant to GCC Clause 27, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

- (a) The Procuring and Disposing Entity, without prejudice to any other remedy for breach of Contract, by notice of default sent to the Provider, may terminate the Contract in whole or in part if:
- (i) the Provider fails to deliver any or all of the Supplies within the period specified in the Contract, or within any extension thereof granted by the Procuring and Disposing Entity pursuant to GCC Clause 34;
 - (ii) the Provider fails to perform any other obligation under the Contract; or
 - (iii) the Provider, in the judgment of the Procuring and Disposing Entity has engaged in corrupt or fraudulent practices, as defined in GCC 3, in competing for or in executing the Contract.
- (b) In the event the Procuring and Disposing Entity terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Procuring and Disposing Entity may procure, upon such terms and in such manner as it deems appropriate, Supplies or Related Services similar to those undelivered or not performed, and the Provider shall be liable to the Procuring and Disposing Entity for any additional costs for

Part 4: Section 7

General Conditions of Contract for the Procurement of Supplies.

such similar Supplies or Related Services. However, the Provider shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency

- (a) The Procuring and Disposing Entity may at any time terminate the Contract by giving notice to the Provider if the Provider becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Provider, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Procuring and Disposing Entity.

35.3 Termination for Convenience

- (a) The Procuring and Disposing Entity, by notice sent to the Provider, 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 Procuring and Disposing Entity's convenience, the extent to which performance of the Provider under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Supplies that are complete and ready for shipment within twenty-eight (28) days after the Provider's receipt of notice of termination shall be accepted by the Procuring and Disposing Entity at the Contract terms and prices. For the remaining Supplies, the Procuring and Disposing Entity may elect:
 - (i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Provider an agreed amount for partially completed Supplies and Related Services and for materials and parts previously procured by the Provider.

36. Assignment

- 36.1 Neither the Procuring and Disposing Entity nor the Provider shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

Section 8. Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC clause reference	Special Conditions
	The Procurement Reference Number is: MUK/SPLS/2008-09/00028
GCC 1.1(i)	The Procuring and Disposing Entity is: Makerere University
GCC 1.1 (g)	The Eligible Countries are those listed in Section 5 of the Bidding Document.
GCC 1.1 (o)	The Site(s) is/are: Makerere University
GCC 2.1(g)	The other documents forming part of the Contract are: None
GCC 4.2 (b)	The version of Incoterms shall be: 2000
GCC 5.1	The language shall be: English
GCC 6.1	The individuals or firms in a joint venture, consortium or association shall be jointly and severally liable.
GCC 8.1	<p>For <u>notices</u>, the Procuring and Disposing Entity's address shall be:</p> <p>Procurement & Disposal Unit</p> <p>Attention: Procurement Manager</p> <p>Street Address: University Road</p> <p>Floor/Room number: A5, Lincoln Flats, Makerere University</p> <p>Town/City: Kampala</p> <p>Postal Code/PO Box No: 7062, Kampala</p> <p>Country: Uganda</p> <p>Telephone: 256-41-542096</p> <p>Facsimile number: 256-41-540041</p> <p>Electronic mail address: ltushabe@pdu.mak.ac.ug</p> <p>For <u>notices</u>, the Provider's address shall be:</p> <p>Attention:</p> <p>Street Address:</p> <p>Floor/Room number:</p> <p>Town/City:</p> <p>Postal Code/PO Box:</p> <p>Country:</p> <p>Telephone:</p> <p>Facsimile number:</p> <p>Electronic mail address:</p>
GCC 9.1	The Governing law shall be the law of Uganda

Part 4: Section 8. Special Conditions of Contract

GCC clause reference	Special Conditions
GCC 10.2	The formal mechanism for the resolution of disputes shall be: Arbitration law of Uganda
GCC 12.1	The shipping and other documents to be furnished by the Provider are: <ul style="list-style-type: none"> • Delivery note • Invoice • Copy of manual and operating guide • Details of the Bidder's Quality Assurance procedures • After sales support • Installation certificates • Installation reports
GCC 15.2	The price adjustment shall be: N/A
GCC 16.1	The structure of payments shall be: 100% of the contract total payable upon supply and installation of the items
GCC 16.3	The payment period shall be: After supply and installation
GCC 16.4	The currency for payments shall be: US Dollars
GCC 17.1	The Provider shall be responsible for all taxes, import duties and levies imposed on the Provider except for the following:
GCC 17.2	The Procuring and Disposing Entity shall be responsible for all taxes, import duties and levies imposed by law in Uganda on the Supplies except for the following: N/A
GCC 18.1	A Performance Security shall be required. The amount of the Performance Security shall be: 10% of the contract sum The currency shall be: US Dollars
GCC 18.3	The forms of acceptable Performance Securities are: <ul style="list-style-type: none"> • Bank guarantee
GCC 18.4	Discharge of the Performance Security shall take place: The Performance Security shall be discharged and returned to the Provider not later than twenty-eight (28) days following the date of completion of the Provider's performance obligations under the Contract.
GCC 23.2	The packing, marking and documentation within and outside the packages shall be: N/A
GCC 24.1	The insurance coverage shall be: N/A
GCC 25.1	The INCOTERM shall be: Delivery Duty Paid (DDP) Makerere University
GCC 26.2	The location for conducting inspections and tests shall be: Refer to Section 6

Part 4: Section 8. Special Conditions of Contract

GCC clause reference	Special Conditions
GCC 27.1	Liquidated Damages shall apply. The liquidated damage shall be: 0.5% per week The maximum amount of liquidated damages shall be: 10% of the contract value
GCC 28.3	The period of validity of the Warranty shall be: As prescribed by the manufacturer
GCC 28.5	The period within which the Provider shall repair or replace defective supplies shall be: 5 working days
GCC 30.1	The amount of aggregate liability shall be: Total contract price

Section 9. Contract Forms

Table of Forms

Agreement..... 2

Performance Security..... 3

Advance Payment Security 4

Agreement

Procurement Reference No: MUK/SPLS/2008-09/00028

THIS AGREEMENT made the _____ day of _____, _____,
between _____ of _____
(hereinafter “the Procuring and Disposing Entity”), of the one part, and
_____ of _____ (hereinafter “the
Provider”), of the other part:

WHEREAS the Procuring and Disposing Entity invited bids for certain Supplies and
Related Services, viz.,

_____ and has
accepted a Bid by the Provider for the provision of those Supplies and Related Services in
the sum of _____ (hereinafter “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 Contract referred to.
2. In consideration of the payments to be made by the Procuring and Disposing Entity
to the Provider as indicated in this Agreement, the Provider hereby covenants with
the Procuring and Disposing Entity to provide the Supplies and Related Services and
to remedy defects therein in conformity in all respects with the provisions of the
Contract.
3. The Procuring and Disposing Entity hereby covenants to pay the Provider in
consideration of the provision of the Supplies and Related 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 the law specified in the Special Conditions of Contract on the day,
month and year indicated above.

Signed by _____ (for the Procuring and Disposing Entity)

Name: _____ Position: _____

Signed by _____ (for the Provider)

Name: _____ Position: _____

Part 4. Section 9. Contract Forms

[The Performance Security should be on the letterhead of the issuing Financial Institution and should be signed by a person with the proper authority to sign documents that are binding on the Financial Institution]

Performance Security

Date: *[insert date (as day, month, and year) of Performance Security]*

Procurement Reference No: *[insert Procurement Reference Number]*

To: *[insert complete name of Procuring and Disposing Entity]*

WHEREAS *[insert name complete of Provider]* (hereinafter “the Provider”) has undertaken, pursuant to Contract No. *[insert number]* dated *[insert day, month and year]* to supply *[brief description of the Supplies and Related Services]* (hereinafter “the Contract”).

AND WHEREAS it has been stipulated by you in the aforementioned Contract that the Provider shall furnish you with a security *[insert type of security]* issued by a reputable guarantor for the sum specified therein as security for compliance with the Provider’s performance obligations in accordance with the Contract.

AND WHEREAS the undersigned *[insert complete name of Guarantor]*, legally domiciled in *[insert complete address of Guarantor]*, (hereinafter the “Guarantor”), have agreed to give the Provider a security:

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

This security is valid until the *[insert number]* day of *[insert month]*, *[insert year]*.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

Name: *[insert complete name of person signing the Performance Security]*

In the capacity of *[insert legal capacity of person signing the Performance Security]*

Signed: *[signature of person whose name and capacity are shown above]*

Duly authorised to sign the Performance Security for and on behalf of: *[insert complete name of Financial Institution]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Part 4. Section 9. Contract Forms

[The Advance Payment Security should be on the letterhead of the issuing Financial Institution and should be signed by a person with the proper authority to sign documents that are binding on the Financial Institution]

Advance Payment Security

Date: *[insert date (as day, month, and year) of Payment Security]*

Procurement Reference No.: *[insert Procurement Reference Number]*

To: *[insert complete name of Procuring and Disposing Entity]*

In accordance with the payment provision included in the Contract, in relation to advance payments, *[insert complete name of Provider]* (hereinafter called “the Provider”) shall deposit with the Procuring and Disposing Entity a security consisting of *[indicate type of security]*, to guarantee its proper and faithful performance of the obligations imposed by said Clause of the Contract, in the amount of *[insert currency and amount of guarantee in words and figures]*.

We, the undersigned *[insert complete name of Guarantor]*, legally domiciled in *[insert full address of Guarantor]* (hereinafter “the Guarantor”), as instructed by the Provider, agree unconditionally and irrevocably to guarantee as primary obligor and not as surety merely, the payment to the Procuring and Disposing Entity on its first demand without whatsoever right of objection on our part and without its first claim to the Provider, in the amount not exceeding *[insert currency and amount of guarantee in words and figures]*.

This security shall remain valid and in full effect from the date of the advance payment received by the Provider under the Contract until *[insert day, month and year]*.

Name: *[insert complete name of person signing the Payment Security]*

In the capacity of *[insert legal capacity of person signing the Payment Security]*

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

Signed: *[signature of person whose name and capacity are shown above]*

Duly authorised to sign the Payment Security for and on behalf of: *[insert complete name of the Financial Institution]*

Dated on _____ day of _____, _____ *[insert date of signing]*