



## REQUEST FOR QUOTATIONS

RFQ 33/26

DUT RITSON CAMPUS:

### APPOINTMENT OF A GENERAL BUILDING CONTRACTOR TO RENOVATE RADIOGRAPHY CLINIC

Closing date and time for Submission	25 May 2026 at 11:00am
Compulsory Briefing session: 18 May 2025 – 10:00 ( <i>Ritson Campus Entrance Gate 6 – corner Steve Biko &amp; Ritson Road</i> ) Contact person for <b>briefing session queries only</b> : Adelo Myambo (adelom@dut.ac.za)	
Contractors with <b>CIDB grading 2GB or higher</b> interested in supplying the services as specified herein are requested to prepare a quotation and send it via email for the attention of Director: Procurement.	
<b>NB: Only Bids e-mailed to <a href="mailto:roq@dut.ac.za">roq@dut.ac.za</a> will be accepted and considered.</b>	
Enquiries relating to the bid may be addressed to the DUT contact person listed below:	
<b>Procurement Enquiries</b>	<b>Technical Enquiries</b>
Name: Khayelihle Mbatha E-mail: khayelihlem2@dut.ac.za	Name: Adelo Myambo E-mail: adelom@dut.ac.za

## **I. INTRODUCTION**

The Durban University of Technology seeks proposals from a CIDB Grade 2GB or higher registered contractor to undertake renovation works at the Radiography Clinic Ritson Campus.

The renovation works aims to prepare the facilities to accommodate the installation of the latest technology equipment (CT Scanner). This advanced technological equipment is essential in preparing students for a seamless transition from academic training to clinical practice. The alterations will also include the creating of new CR & Mammo unit spaces.

Integrating this latest technological equipment (CT scanner) into the academic environment will provide students with valuable hands-on experience in a controlled and supervised setting. Direct exposure to real patients during initial training phases can present risks; therefore, access to such equipment on campus will enable students to develop the necessary competencies and confidence required in the healthcare industry upon completion of their qualifications.

Accordingly, the proposed alteration works are critical to achieving the strategic objectives of the Radiography Department, Faculty of Health Sciences and the DUT institution, particularly in alignment with DUT's Envision 2030 strategy, which emphasizes the development of state-of-the-art infrastructure.

## **2. SCOPE OF WORKS**

The scope of works including the proposed alterations drawings for the project shall include, but is not limited to the listed items below. The successful contractor shall carry the works in a systematic order guided by the client with a detailed programme of works showing critical path activities. Whilst ensuring compliance with all relevant statutory regulations for construction works.

### **New CR Space, Mammo Unit & Office**

- Annexure 1 – DUT Drawing Project No.2601-02, No. SD01-01, Date: 03/02/2026
- Removal of existing dry walls (with radio active protective layers) to discard offsite
- Removal of existing cupboards, doors, frames, shelves, etc to discard offsite
- Construct new dry wall partitions (with radioactive protective layers)
- Install new electrical circuits with lights, plugs, isolator, cables and power trunking
- Install new cupboards, counter top, doors, etc
- Install ceiling panels to match existing
- Patch, paint the walls, ceiling and structural steel frames to match existing colours.
- Supply & Install new Aircondition for cooling the space.
- Supply & Install new curtain track for dressing room .
- Supply & Install data network, as per client specifications.

### **CT Scanner Room**

- Annexure 2 – DUT Drawing Project No.2601-02, No. SD01-02, Date: 03/02/2026
- Removal of existing dry walls (with radio active protective layers) and 2 sliding standard doors to storage or discard offsite
- Removal of existing sliding door 2.05 h x 1.750w and close up the opening with dry wall with 2mm lead radioactive protection layer.
- Construct new dry wall partitions (with 2mm lead radioactive protective layers)
- Construct ducting for cables for equipment connections.
- Install new electrical DB box ,circuits, lights, plugs, isolator, cables and power trunking
- Install new cupboards, counter top, doors, etc
- Install ceiling panel to match existing
- Patch, paint the walls, ceiling and structural steel frames to match existing colours.
- Supply & Install new Aircondition or relocate existing for optimum cooling of the space.
- Remove & replace sliding door with lead protective drywall .
- Relocate of existing lights, plugs, isolators, etc

- Supply & Install dimmable LED downlights, etc.
- Supply & Install new power supply & plug points.
- Supply & Install data network, as per client specifications.

### 3. Pricing Schedule

Item	Description	Unit	Qty	Rate	Total
I	<b>New CR Space, Mammo Unit and Office</b>				
	Project 2601-02: Drawing SD01-02				
I.1	Removal of existing works incl. lights, cupboards, frames, plumbing pipes, ect. Preparing for new works	sum	1		
I.2	Removal of existing drywall from new office space area to discard offsite	m <sup>2</sup>	8		
I.3	Remove existing hatches 550x600mm and close up the areas with lead radioactive protection layers as per SAHPRA regulations.	no	2		
I.4	Brick up walls using double skin common bricks, plaster and paint to match existing colours.	m <sup>2</sup>	3		
I.5	Tile floor and skirting to match existing floor tiles	m <sup>2</sup>	10		
I.6	Prepare, patch & paint walls to match existing colours in all areas where items were removed from the walls.	m <sup>2</sup>	20		
I.7	Supply & Install new double skin dry wall with 2mm lead radioactive protection as per SAHPRA regulations. Finish the dry wall to match existing colours	m <sup>2</sup>	35		
I.8	Supply & Install new sliding door to the Mammo unit space, paint the door to match existing colours	no	1		
I.9	Supply & Install curtain track 2.4m high with fabric curtain for dressing area	sum	1		
I.10	Supply & Install 1mx400mm x 16mm suspended shelving @1.1m height from the floor. Fixed against dry wall	sum	1		
I.11	Supply & Install customized cupboard for new lobby area with granite top, colours to be approved by client	sum	1		
I.12	Supply & Install new plug points				
I.13	Supply & Install new LED lights				

1.14	Supply & Install 3 phase power including +/- 100m Cable, circuit breaker, 63A Isolator, Provide a COC for the installation	sum	1		
1.15	Supply & Install Aircondition to suit the floor space. Including power supply. Provide a COC for the installations.	no	3		
2	<b>New CT Scanner Room</b>				
	Project 2601-02: Drawing SD01-01				
2.1	Demolish dry wall with 2mm Lead Radioactive protection. Finish the areas to match existing surfaces.	m <sup>2</sup>	35		
2.2	Removal of existing door and close up opening with double skin drywall with 2mm Lead radioactive protection as per SAHPRA regulations. Finish to match existing walls.	m <sup>2</sup>	4		
2.3	Supply & Install new double skin drywall with 2mm lead radioactive protection as per SAHPRA regulations to create a control room space with a glass opening.	m <sup>2</sup>	15		
2.4	Prepare the wall & floor surfaces to run conduits for services as per design drawings (annexure)	sum	1		
2.5	Paint walls with suitable paint to match existing colours	m <sup>2</sup>	10		
2.6	Supply & Install acoustic ceiling tiles to match existing	m <sup>2</sup>	7.2		
	<b>Electrical works</b>				
2.7	Relocate power supply circuits (63A isolators) to new ultrasound rooms within the building	no	2		
2.8	Supply & Install new PVC double compartment trunking 150x80	m	15		
2.9	Supply & Install new PVC double compartment trunking 100x100	m	6		
2.10	Supply & Install new PVC double compartment trunking 100x50	m	3		
2.11	Supply & Install Cable tray 50x50mm fixed under soffit & above ceiling	m	2		
2.12	Supply & Install Cable tray 100x50mm fixed under soffit & above ceiling	m	3		
2.13	Supply & Install new plug points	no	12		
2.14	Supply & Install new dimmable 600x600 LED panel lights with 2 switches	no	8		

2.15	Provide a COC for new electrical installations				
<b>3</b>	<b>Airconditioning</b>				
3.1	Supply & Install 3 phase power including +/- 70m, Cable, circuit breaker, 160A Isolator, DB box (DB supplied by client). Provide a COC for the installation	sum	l		
3.2	Supply & Install Aircondition to suit the floor space. Including 3 phase power supply. Provide a COC for the installations.	sum	l		
<b>4</b>	<b>Data Network</b>				
4.1	Provisional sum for data network by service provider approved by client	sum	l		
4.2	Handling cost	%			
<b>5</b>	<b>Miscellaneous works</b>				
5.1	Discard construction rubble offsite in accordance with waste management protocols	sum	l		
5.2	Whilst working on a live environment, keep site, clean during & after day's work, comply with all Occupational Health and Safety requirements	sum	l		
<b>6</b>	<b>General</b>				
6.1	Allow 10% Contingencies	sum	l		
	TOTAL Excl Vat				
	VAT @15%				
	TOTAL Incl Vat				

#### **4. Phase I: Submission of compulsory documents**

Bidders need to submit all documents listed below in order to be considered for Phase 2 evaluation.

1	The valid <b>Tax compliance status PIN (TCS PIN)</b> must be submitted. Should the Bidders tax clearance status not be in order at close of the evaluation of the bid, this will lead to the invalidation of the bid document. <b>(Compulsory).</b>
2	Proper completed and signed tender document (Form 5-8 )
3	Proof of Insurance cover for minimum amount of the cover R 1 000 000.00 covering all the contractor's liability
4	Initialed General and special conditions of contract.
5	Company registration documents (CIPC).
6	Proof of Performance Guarantee by a registered guarantor of 20% tender sum.
7	Proof of CIDB Grading documentation required (Grade 2 or Higher)
8	Proof of valid COIDA

### 3.2 Phase 2: Technical / Functional Criteria

With regards to technicality / functionality, the following criteria are applicable. The maximum points of each criteria are indicated in the table below:

Key Aspect of Criterion	Basis for Points Allocation	Score	Max. Points	Verification Method
Locality	Within a radius of 150km of Durban Campuses	15	15	Certified Copy of Water, Electricity or Rates Letter from the supply authority not older than 3 months and/ or valid Lease Agreement
	Outside of Durban, but within a radius of 100km from Durban	10		
	Within KZN	5		
	Outside of KwaZulu Natal	0		No Submission
Qualifications and relevant experience of Site Agent / Site Supervisor with built environment qualification relating to general building.	<ul style="list-style-type: none"> <li>With 10 or above number of years' experience in general building.</li> </ul>	15	20	Detailed CVs with years of
	<ul style="list-style-type: none"> <li>With 5-9 year's relevant experience in general building</li> </ul>	10		
	<ul style="list-style-type: none"> <li>Less than 5 year's relevant experience</li> </ul>	5		
	<ul style="list-style-type: none"> <li>With Relevant Qualification: National Diploma or higher in built environment</li> </ul>	5		
Proven track record in Similar projects. Reference letters must be signed and on a letter head with contact details to be included for verification.	3 Reference letters to be submitted (5 points per Reference)		15	Signed letter of reference or completion certificates. Where the project was successfully completed successfully executed in the last five (5) years.
	Reference letter must indicate work is completed and to the satisfaction of the customer. <b>5 points per reference letter.</b>			
	Less than 5 years' experience in relevant projects <b>1 point per reference letter.</b>			
Method statement must include the following sub-headings:	Detailed Approach / Methodology which must include: <ol style="list-style-type: none"> <li>Project plan (Scope Execution,</li> <li>Resource management</li> <li>Quality Management</li> <li>Health and safety management</li> <li>Site management</li> </ol>	3 points per criteria	15	Brief (5 Pages Maximum)
Project plan	A project schedule showing the detailed project scope with timelines, critical path, milestones and completion date.	20	20	Project Programme  The project schedule must cover the project scope adequately and is logically sequenced. The project schedule delivers the solution within targeted timelines.

Company's years of experience	More than 10 years = 15points Between 5- 10 years = 10 points Less than 5years = 5 points	<b>15</b>	<b>15</b>	Company profile to be submitted as proof.
<b>Maximum total points</b>			<b>100</b>	

**The Bidders that score less than 70% of the mark for Quality and Functionality will be eliminated from further consideration.**

## **1.2 Price and BBBEE**

**Bidders to submit valid BBBEE certificate, non-submission will be awarded zero points.**

Evaluation criteria		Points
1.	Price	80
2.	BBBEE – as per table below	20
Total		100

Specific Goal		80/20		Bidders must complete this section
		Sub-points	Total Points	
	Exempted Micro Enterprise (EME) or Qualifying Small Enterprise (QSE)	3	3	
Black-owned Enterprises	100% Black owned enterprise	3	3	
	Minimum 51% black-owned enterprise	2		
	Minimum 25% black-owned enterprise	1		
Black Women owned Enterprise	100% Black Women owned enterprise	5	5	
	Minimum 51% black women-owned enterprise	4		
	Minimum 25% black women-owned enterprise	3		
	Less than 25% of black women-owned enterprises but not less than 10%	2		
Enterprise owned by Youth	100% Black Youth owned enterprise	5	5	
	Minimum 51% black Youth owned enterprise	4		
	Minimum 25% black Youth owned enterprise	3		
	Below 25% black youth owned enterprises but not less than 10%	2		
Enterprises owned by people with disabilities	Minimum of 51% owned by people with disabilities	2	2	

	Minimum of 10% owned by people with disabilities	1		
Additional Specific goals	An entity which is at least 51% owned by black people living in rural or underdeveloped areas or townships	1	1	
	A cooperative which is at least 51% owned by black people	1	1	
			<b>20</b>	

## 2 FORM OF OFFER:

### 2.2 Pricing should be based on the breakdown below:

2.2.1 The Service Provider must submit a fee proposal to render the full scope of services as outlined above.

2.2.2 Fees must include standard disbursements such as typing, drawings, reproduction, copying, binding of documents, telephonic / electronic and facsimile communications, courier, local travel, and accommodation, etc.

Total cost of works:	
Value Added Tax (Add: 15% VAT)	
<b>Total Price: (Including VAT)</b>	

Signed ..... Date.....

Name..... Position.....

Tenderer.....

## **7. FORM 7: CONFIDENTIALITY AND INDEMNITY UNDERTAKING**

- 1) The Bidder hereby undertakes to abide by and adhere to the undertaking set out in this agreement.
- 2) Reference to the Bidder shall include its directors, officers, employees, agents, sub-contractors, advisors or any other person appointed by it in connection with the submission of its bid).
- 3) The Bidder undertakes to ensure that each party, to whom confidential information is disclosed, is made aware of and is bound by the terms of this confidentiality undertaking.
- 4) This undertaking must be read together with the disclaimers contained in the Bid Document.
- 5) In order to regulate the disclosure to the Bidder of confidential information, the Bidder: -
  - a) acknowledges and undertakes that all information of whatsoever nature (whether oral, written or in any other form), including information to the generality of the a foregoing data, know how, trade secrets, software techniques, procedures, unpublished financial statements and information, licenses, price lists, policies, marketing techniques, suppliers and customers, planning, business and financial documents, as well as intellectual property at any kind (which information is referred to collectively and individually as “confidential information”) which is disclosed by the DUT or any other Bidder participating in this process, shall be held in complete confidence by the Bidder and shall not, without the DUT prior written consent, be disclosed to any other person, nor used for any other purposes, other than in connection with the submission of its bid;
  - b) acknowledges that the confidential information is being made available to it solely for the authorised bid process purpose and for no other purpose whatsoever, and that such information would not have been made available to it but for this confidentiality undertaking;
  - c) acknowledges that all such confidential information is valuable proprietary information to which the DUT retains exclusive rights of dissemination and reproduction, and that all copyrights and such confidential information vests in DUT;
  - d) agrees that any documentation or records relating to the confidential information which comes into the possession of the Bidder shall:
    - i) be deemed to form part of the confidential information of DUT;
    - ii) be deemed to be the property of DUT;
    - iii) not be copied, produced, published or circulated by the Bidder unless otherwise agreed to in writing by DUT;
    - iv) be surrendered to the DUT and/or destroyed on demand in the event that the Bidder no longer participates in the proposed transaction;
  - e) undertakes that, save as required by law, it will not disclose, or permit to be disclosed, confidential information to any persons other than those persons authorised in terms of this undertaking and then only to the extent necessary for the authorised purpose;
  - f) warrants that it has adequate procedures in place for the protection of all confidential information; and,
  - g) warrants that it shall keep accurate and up to date records of the confidential information furnished to it, and of the location of such confidential information, as well as the list of names of all persons receiving or entitled to access of confidential information.
6. This undertaking shall not apply to any confidential information which was lawfully in the Bidder’s possession prior to the disclosure by DUT, or which lawfully becomes available to the Bidder from the source other than DUT.
7. If proceedings are commenced or action taken which could result in the Bidder becoming compelled to disclose confidential information, it undertakes to immediately advise the DUT of such proceedings, and to take all reasonable steps to resist or avoid such proceedings or actions, including such steps that the DUT may reasonably request the Bidder to take.
8. The Bidder undertakes not to request the confidential information submitted as part of any other bid submission by any other Bidder whether such information has been designated as confidential or not, and for the purposes of this clause, the entire contents of any competing Bidder’s bid submission will be regarded as confidential.
9. This undertaking shall also apply, with the necessary changes, to the confidential information of any other Bidder and its Bid Submissions

10. This undertaking shall survive the termination of any negotiations or contractual relationship between the DUT and the Bidder

11. I note that the following terms of this declaration have the following meaning:

- a. Bid means Submission
- b. Bidder means Respondent
- c. Bidding means Submission
- d. Directors means directors/shareholders/partners/sole proprietors

**INDEMNITY UNDERTAKING**

I/We \_\_\_\_\_  
(insert Bidder's name) (herein known as the Bidder) hereby indemnify and hold DUT harmless in respect of all costs that may be incurred by my/us for the submission or performance of this bid.

I/We further indemnify DUT in respect of all legal and other expenses as they are incurred by DUT in examining, resisting or settling any damages, injuries or loss that may be occasioned by work necessary in terms of this bid.

Signed at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

**Name of Bidder :** \_\_\_\_\_

**Name of Bidder's representative:** \_\_\_\_\_

**Title of Bidder's representative :** \_\_\_\_\_

**Signature :** \_\_\_\_\_

**Signature of Witness :** \_\_\_\_\_

**Name of Witness :** \_\_\_\_\_

## **10. GENERAL CONDITIONS OF CONTRACT FOR GOODS AND SERVICES**

### **1. DEFINITIONS**

1.1 In the GENERAL CONDITIONS the words defined shall have the meanings assigned to them hereunder, except where the context indicates to the contrary:

-

1.1.1 the "SUPPLIER" the person, firm, partnership, association, company, close corporation, trust or other trading entity supplying the goods and/or providing the services to the UNIVERSITY;

1.1.2 the "UNIVERSITY" Durban University of Technology;

1.1.3 the "SUPPLIES" the goods and/or services to which this document relates;

1.1.4 the "TENDER" the SUPPLIER'S written tender, which shall be on the form supplied by the UNIVERSITY for the SUPPLIES;

1.1.5 the "ORDER" the UNIVERSITY'S written order on its official order form placed by the PROCUREMENT DEPARTMENT with the SUPPLIER for the DELIVERY of the SUPPLIES;

1.1.6 the "PROCUREMENT DEPARTMENT" the division of the UNIVERSITY responsible for accepting the Tender and/or issuing the ORDER to which this document relates;

1.1.7 "DELIVERY" the delivery of goods and/or the rendering of services;

1.1.8 "DULY AUTHORISED RECEIVING CLERKS" those persons, designated by the UNIVERSITY from time to time, who are the only persons authorised by the University to accept DELIVERY of SUPPLIES to the UNIVERSITY and such persons shall include, in the case of a DELIVERY made to a student's residence at the UNIVERSITY, the residence manager at that residence;

1.1.9 "SPECIAL CONDITIONS" where applicable, those conditions stipulated by the UNIVERSITY which pertain to and form a part of the TENDER and/ or the ORDER;

1.1.10 "STIPULATED DELIVERY

PERIOD "the period stipulated by the UNIVERSITY within which the SUPPLIES shall be DELIVERED by the SUPPLIER and, if no period is stipulated, then it shall mean a reasonable period of time;

1.1.11 "VAT" means Value-Added Tax payable in terms of the Value-Added Tax Act, no 89 of 1991, as amended or substituted from time to time;

1.1.12 "EXTRAORDINARY INCREASE" an increase in the cost to the SUPPLIER of providing the SUPPLIES arising out of State or Government imposition of charges which are of an extraordinary nature in that they arose due to circumstances beyond the control of the SUPPLIER which could not reasonably have been contemplated by it at the time the TENDER was submitted or the ORDER was accepted and which have not been taken into account in the determination of the price.

1.2 The headings in this agreement are for convenience only and are not to be considered when interpreting the agreement.

1.3 Unless the context indicates to the contrary, words importing one gender shall include the other gender and words importing the singular shall include the plural and *vice versa*.

### **2. CONSTITUTION OF CONTRACT**

2.1 The contract between the UNIVERSITY and the SUPPLIER is constituted by the acceptance by the UNIVERSITY of the TENDER submitted by the SUPPLIER and/or the acceptance by the SUPPLIER of the ORDER and is upon the terms and conditions which are set out in the TENDER and/or the ORDER and in these GENERAL CONDITIONS,

2.2 The SPECIAL CONDITIONS, if any, will also form part of the contract between the UNIVERSITY and the SUPPLIER.

2.3 No person other than the duly authorised person of the PROCUREMENT DIVISION has authority to place an order and/or to accept a tender.

### **3. PRICE**

3.1 The price shall be as stated in the TENDER and/or ORDER, as the case may be, and is an all-inclusive price in that it includes VAT, delivery costs, custom charges (duty and surcharge), royalties and any other costs incurred in connection with the SUPPLIES.

### **4. EXTRAORDINARY INCREASE**

4.1 If, after of one (1) year service, there has been an EXTRAORDINARY INCREASE, the SUPPLIER may apply to the UNIVERSITY in writing to increase its price so as to be able to cover such EXTRAORDINARY INCREASE. In doing so it shall provide proof that such increase is an EXTRAORDINARY INCREASE.

4.2 The UNIVERSITY shall not be obliged to consider any application for an increase which is not an EXTRAORDINARY INCREASE.

4.3 After considering the application relating to an EXTRAORDINARY INCREASE, the UNIVERSITY shall be entitled to: -

4.3.1 accept the increase in the price in whole or, if agreed with the SUPPLIER, in part; or

4.3.2 to refuse to accept the price increase in whole or in part and, should the SUPPLIER refuse to DELIVER the SUPPLIES at the price originally accepted by the UNIVERSITY, then the UNIVERSITY shall have the right to immediately cancel the contract in whole or in part.

4.3.3 The extraordinary increase will be decided on the CPI at the time of the request.

4.4 In the event of the UNIVERSITY cancelling this contract in accordance with the provisions of this paragraph 4: -

4.4.1 then the SUPPLIER shall have no claim whatsoever against the UNIVERSITY; and

4.4.2 the UNIVERSITY may obtain the SUPPLIES elsewhere and any additional expenditure so incurred will be claimed from the SUPPLIER.

#### **5. IMPORTED SUPPLIES**

5.1 Where the SUPPLIES are imported then, subject to the provisions of the SPECIAL CONDITIONS, the SUPPLIER shall: -

5.1.1 when submitting the TENDER or offer or quotation, specify the price in the foreign currency and the rate of exchange which shall have been fixed immediately before the aforesaid submission;

5.1.2 not later than 7 (SEVEN) days after the SUPPLIER receives notification of acceptance of his TENDER and/or receives the ORDER, as the case may be, the SUPPLIER shall arrange through its bankers for the foreign commitment to be covered forward down to the rand, in order to fix the rate of exchange, exercising due care in consultation with the said bankers to ensure that the forward exchange is taken out on such terms as will provide the best possible exchange rate;

5.1.3 the UNIVERSITY shall then be notified in writing of the rate of exchange which has been fixed on such forward exchange.

5.2 Should the SUPPLIER fail to arrange the aforesaid cover within a period of 7 (SEVEN) days after receiving notification of acceptance of his TENDER or accepting the ORDER, as the case may be, then the UNIVERSITY shall be entitled to elect the rate of exchange, most favourable to it, from the following rates of exchange, namely: -

5.2.1 the rate of exchange specified in the SUPPLIER'S TENDER or offer or quotation; or

5.2.2 the rate of exchange specified in the notice referred to in sub-paragraph 5.1.3, if any; or

5.2.3 the rate of exchange which the UNIVERSITY'S bankers may fix as being the rate existing at any time within a period of 7 (SEVEN) days after notification of acceptance of the TENDER and/or after receipt of the ORDER.

The UNIVERSITY shall not be obliged to make its election of the rate of exchange until the date of DELIVERY.

#### **6. PAYMENT**

6.1 Payment by the UNIVERSITY to the SUPPLIER shall be made in accordance with the conditions of payment prescribed in the TENDER or ORDER. Where no conditions of payment are prescribed therein, payment for SUPPLIES DELIVERED to and accepted by the UNIVERSITY shall be made within THIRTY (30) days from the date upon which a statement and, where applicable, a tax invoice is received by the UNIVERSITY, provided that all the terms of the contract shall have been duly observed by the SUPPLIER and that the relevant invoices are addressed to and received by the UNIVERSITY'S Finance Department, P O Box 1334, Durban, 4000, Republic of South Africa.

6.2 It is also a condition of payment by the UNIVERSITY to registered VAT vendors that no payment for SUPPLIES DELIVERED shall be processed unless a tax invoice (complying with Section 20 of the Value Added Tax Act, No.89 of 1991, as amended), is received from the SUPPLIER.

6.3 For the purposes of this paragraph and the provisions of Section 20 of the Value Added Tax Act, No. 89 of 1991, as amended, the SUPPLIER shall be deemed to have received a request for tax invoices upon the date that the SUPPLIES have been DELIVERED.

#### **7. DELIVERY**

7.1 Each DELIVERY shall be deemed to be a separate contract in respect of the SUPPLIES forming the subject matter of such DELIVERY.

7.2 All SUPPLIES shall be DELIVERED in terms of the contract.

7.3 Time is of the essence of this contract and SUPPLIES must accordingly be DELIVERED within the STIPULATED DELIVERY PERIOD. Should the SUPPLIES not be DELIVERED within that period, then the UNIVERSITY shall be entitled to cancel the contract in whole or in part.

7.4 If any DELIVERY by the SUPPLIER to the UNIVERSITY has not been made within the STIPULATED DELIVERY PERIOD, then the UNIVERSITY shall also have the right, until such DELIVERY has been made, to suspend payment of any amount due and payable under this and/or any other contract then in force between the UNIVERSITY and the SUPPLIER.

7.5 Where the contract relates to the purchasing of goods by the UNIVERSITY, the risk in the goods shall only pass to the UNIVERSITY upon: -

7.5.1 the goods being DELIVERED to a DULY AUTHORISED RECEIVING CLERK at the place of delivery as stipulated in the TENDER or ORDER and, if not stipulated therein, to the UNIVERSITY at 41/43 Centenary Road, Durban; and

7.5.2 the delivery note being signed by a DULY AUTHORISED RECEIVING CLERK on behalf of the UNIVERSITY.

The person making delivery of the GOODS shall be responsible for ensuring that only a DULY AUTHORISED RECEIVING CLERK accepts delivery of the GOODS and signs the Delivery Note. The person making delivery shall be entitled to request identification or make any other enquiries at the UNIVERSITY in order to establish that such person is a DULY AUTHORISED RECEIVING CLERK. The UNIVERSITY shall not be liable for any loss or damage arising from a failure to deliver the GOODS to a DULY AUTHORISED RECEIVING CLERK.

#### **8. CLAIMS FOR LOSS OR DAMAGE**

8.1 It shall be the obligation of the SUPPLIER, and not the UNIVERSITY, to make any claims against any carrier for loss of the whole or part of any consignment of SUPPLIES or for damage to goods accepted by the carrier for DELIVERY or for a delay by the carrier in effecting DELIVERY. The SUPPLIER shall ensure that any claims are made within the period prescribed by law and in accordance with the appropriate regulations and the SUPPLIER shall notify the UNIVERSITY of the claim which is being made by delivering to the UNIVERSITY a copy of the claims sent to the carrier.

8.2 The SUPPLIER shall pay all royalties and expenses and be liable for all claims in respect of the use of patent rights, trademarks or other protected rights, and the SUPPLIER indemnifies the UNIVERSITY against all claims (including legal costs) arising therefrom.

8.3 The SUPPLIER shall be liable to the UNIVERSITY or to any third party for death of, or injury to, or illness sustained by any person (hereinafter referred to as "INJURY") or loss of, or damage to property (hereinafter referred to as "DAMAGE") caused by or arising from the SUPPLIES, any defect in the SUPPLIES or the DELIVERY of the SUPPLIES. The SUPPLIER indemnifies the UNIVERSITY against any claims for INJURY or DAMAGE (including legal costs) of whatsoever nature arising from or caused by the SUPPLIES, any defect in the SUPPLIES or the DELIVERY of the SUPPLIES.

## **9. DIFFERENCE OR DISCREPANCIES**

9.1 Where the UNIVERSITY has provided specifications, which will describe the principal feature of the goods and/or services, the SUPPLIES must be delivered exactly in accordance with those specifications. It is recorded that the specifications do not purport to indicate every detail of construction or arrangements of goods and services necessary to meet the UNIVERSITY's requirements and any such omissions shall not relieve the SUPPLIER of his responsibility for carrying out the work as required under the contract.

9.2 Where samples or patterns have been provided, then the SUPPLIES which are DELIVERED shall be equal in all respects to those samples or patterns.

9.3 The PROCUREMENT DIVISION shall determine, in its sole discretion, whether the SUPPLIES have been DELIVERED either exactly in accordance with the specifications or exactly equal in all respects to samples or patterns which were provided, and the decision of the PROCUREMENT DIVISION shall be *prima facie* binding on the parties and the onus shall be on the SUPPLIER to prove otherwise.

9.4 Tests and analysis of the SUPPLIES may be made as deemed necessary by the UNIVERSITY, and the cost thereof shall be borne by the SUPPLIER if the SUPPLIES which have been DELIVERED are not of the specified quality.

9.5 The SUPPLIER shall not be relieved of his obligations with respect to the sufficiency of the materials and workmanship and the specified quality of the SUPPLIES which have been DELIVERED by reason of no objection having been taken thereto by the UNIVERSITY's representative at the time the SUPPLIES were DELIVERED, or by reason of the acceptance of samples in sound condition.

9.6 If, at any time after DELIVERY of the SUPPLIES, the UNIVERSITY shall be dissatisfied with the SUPPLIES whether in whole or in part on account of a decision of the PROCUREMENT DIVISION referred to in sub-paragraph 9.3 above or on account of materials being faulty or of inferior quality or inferior workmanship or of bad design, then, where the defect is capable of being remedied, the UNIVERSITY shall notify the SUPPLIER immediately and require that the defect be remedied free of charge within a reasonable time. Should the SUPPLIER be unable or unwilling or fail to remedy the defect within the reasonable time stipulated by the UNIVERSITY, then the UNIVERSITY may have the necessary remedial work carried out by any third party. The costs of the remedial work shall be borne by the SUPPLIER and such costs may be deducted from any amounts which may be due and payable to the SUPPLIER.

9.7 Where the defect referred to in sub-paragraph 9.6 above is not capable of being remedied, the UNIVERSITY shall notify the SUPPLIER that the SUPPLIES have been rejected and the contract cancelled. The SUPPLIER shall, immediately upon receipt of such notification, arrange for the SUPPLIES to be removed and until the time of their removal, the SUPPLIES shall be held at the risk and expense of the SUPPLIER. The SUPPLIER shall, immediately upon receipt of such notification, also refund all payments made by the UNIVERSITY for those SUPPLIES together with interest thereon at the prime overdraft rate, charged by the UNIVERSITY'S bankers from time to time, from the date of receipt of such notification to the date of payment.

9.8 Where goods are being sold by mass or measure, same shall be supplied by net mass and/or metric measure.

9.9 Any quantities which are stated in the order form are based upon estimated probable requirements of the UNIVERSITY during the period of the contract and the UNIVERSITY accordingly reserves the right, at any time prior to DELIVERY of the full quantity stated, to reduce the quantities it requires to be DELIVERED in which case only the reduced quantities shall be DELIVERED and charged for by the SUPPLIER. The SUPPLIER shall have no claim whatsoever against the UNIVERSITY after it has reduced the quantities to be DELIVERED.

## **10. DEFAULT**

10.1 The UNIVERSITY shall have the right forthwith to cancel this contract, in whole or in part, under any of the following circumstances: -

10.1.1 if the SUPPLIER fails to DELIVER any SUPPLIES to the UNIVERSITY within the STIPULATED DELIVERY PERIOD;

10.1.2 if the SUPPLIER fails to fulfil any of its obligations in terms of this contract;

10.1.3 if the SUPPLIER is sequestered, liquidated or placed under judicial management, provisionally or finally, voluntarily or compulsorily;

10.1.4 if the SUPPLIER commits any act of insolvency or enters into any compromise or arrangement with or assignment for the benefit of its creditors or fails to satisfy any final judgment granted against it within TEN (10) days after the date of the judgment;

10.1.5 if the SUPPLIER changes the identity of its owner;

10.1.6 if the SUPPLIER disposes of any of its assets other than in the ordinary course of its business.

10.2 If it appears to the PROCUREMENT DIVISION that the SUPPLIER is not executing the contract in accordance with the true intent and meaning thereof or that it is refusing or delaying to execute the contract or that it is not carrying on the contract at such rate of progress as to ensure DELIVERY within the STIPULATED DELIVERY PERIOD, then in any of such events the PROCUREMENT DIVISION may give written notice to the SUPPLIER of the cause of complaint. Should the SUPPLIER fail, within a reasonable time stipulated in the notice, to satisfy the PROCUREMENT DIVISION, in its reasonable discretion, that the contract is being and will be properly executed as agreed and/or that DELIVERY will be made within the STIPULATED DELIVERY PERIOD, then the UNIVERSITY shall have the right forthwith to cancel this contract.

10.3 Any cancellation by the UNIVERSITY, whether in whole or in part, shall be without prejudice to any accrued claims against the SUPPLIER and claims which the UNIVERSITY may have for damages arising out of such cancellation. The SUPPLIER shall have no claim whatsoever against the UNIVERSITY after the contract has been cancelled.

## **11. LIQUIDATED DAMAGES**

11.1 It is recorded that time is of the essence of this contract and the SUPPLIES must be DELIVERED and all work completed by the SUPPLIER within the STIPULATED DELIVERY PERIOD.

11.2 If the SUPPLIER fails to DELIVER the SUPPLIES or any part thereof within the STIPULATED DELIVERY PERIOD, the SUPPLIER shall pay such sum as is stated in the SPECIAL CONDITIONS as liquidated damages to the UNIVERSITY. The UNIVERSITY shall be entitled to deduct such liquidated damages from any monies which may be due and payable to the SUPPLIER. The provisions of this paragraph shall be without prejudice to any other remedies or claims which the UNIVERSITY may have against the SUPPLIER arising out of this contract or at law and the UNIVERSITY may have recourse to such claims or remedies in addition to or in lieu of its rights to liquidated damages.

## **12. VAT**

Where the SUPPLIER is a registered VAT vendor, the SUPPLIER shall: -

12.1 state the amount of VAT separately on the invoice; and

12.2 state its VAT registration number.

## **13. APPLICABLE LAW**

The law of the Republic of South Africa shall be applicable to and govern in every respect this contract and the relations between the parties and, without in any way limiting the generality of the foregoing, the law of the Republic of South Africa shall be applied when this contract is construed, interpreted or implemented in any way and for the purpose of resolving any dispute which may arise between the parties.

## **13. ATTORNEYS CHARGES**

In the event of the UNIVERSITY instructing its attorneys to institute legal proceedings against the SUPPLIER for any claim arising out of these GENERAL CONDITIONS or upon their cancellation, the SUPPLIER shall pay the costs of the UNIVERSITY'S attorneys on the attorney and own client scale, including collection commission.

## **14. CONFLICTING CONDITIONS**

14.1 In the event of there being any conflict between the terms and conditions of the SPECIAL CONDITIONS and these GENERAL CONDITIONS, then the terms and conditions of the SPECIAL CONDITIONS shall prevail.

14.2 In the event of there being any discrepancy or conflict between any of these GENERAL CONDITIONS and any conditions contained in or printed or written upon any contract, stationery or document used by the SUPPLIER for the purpose of or in connection with the conclusion of this contract or the DELIVERY of SUPPLIES, then these GENERAL CONDITIONS shall prevail. The SUPPLIER acknowledges that the UNIVERSITY would not have entered into this contract with it unless these GENERAL CONDITIONS were to prevail and the SUPPLIER accordingly waives, renounces and abandons any conflicting conditions printed or written upon any contract, stationery or documents used by it, regardless of whether such contracts, stationery or documents contain a similar condition to this paragraph 15 in favour of the SUPPLIER. For the purposes of this sub-paragraph 15.2, reference to "these GENERAL CONDITIONS" shall be deemed to include the SPECIAL CONDITIONS.

## **15. ENTIRE CONTRACT AND NON-VARIATION**

This contract records the entire agreement entered into between the parties and no alteration, variation or cancellation of this contract or waiver of rights or obligations by either party shall be of any force and effect unless committed to writing and signed by both parties.

## **16. CESSION AND ASSIGNMENT**

Since this contract is personal to the SUPPLIER, the SUPPLIER shall not be entitled to cede or assign its rights or obligations under the contract or to transfer this contract to any third party without the prior consent of the UNIVERSITY and subject to such conditions as the UNIVERSITY may approve.

## **17. SEVERABILITY**

Should any portion or provision of this contract be held to be void, invalid or unenforceable, for any reason whatsoever, then such provision or portion shall be deemed to be severable and excluded from this contract, and all the remaining terms shall continue to remain in full force and effect.

## **19. BBBEE Policy**

A Comprehensive BBBEE policy and SANAS or IRBA approved BBBEE certificate of the tenderer must accompany the tender documents.

## **II. SPECIAL CONDITIONS OF CONTRACT FOR GOODS AND/OR SERVICES**

(the "SPECIAL CONDITIONS")

### **1) TENDER FORM AND CLOSING DATE**

- a) Tenders must be made out on the enclosed Tender Form which shall be signed by or on behalf of the Tenderer, addressed to the Tender Committee and marked with the appropriate tender number. Tenders must be submitted in duplicate, be properly sealed and placed in the tender box at the Protection Department, 41/43 Centenary Road, Durban, 4001 not later the time and date stated in the public advertisement inviting tenders or closed tender documents.
- b) There will be a non-refundable fee charged for tender documents and to be paid in the form of cash, bank guaranteed cheques or money orders as stated in the advertisement.
- c) The Tender Committee shall not accept tenders for consideration if: -
  - i) the tenders have been submitted by telegram, telex or telefax; or
  - ii) the tenders have not been submitted in duplicate; or
  - iii) the tender is received after the closing date and time advertised for the receipt thereof (in which case same shall be returned to the Tenderer by the Procurement Division); or
  - iv) alterations have been made to the tender documents in pencil, erasable ink or if alterations have been overwritten on alteration fluid (that is, any alteration shall be neatly made in ink and signed by the Tenderer in order that the Tender Committee accept the tender for consideration).
- d) If any person who has been invited to submit a tender is unable to tender for any reason, then a nil return should be submitted.

### **2) ACCEPTANCE OF TENDER**

- a) The University reserves the right to split the tender, accept any tender or any part of a tender and any decision by the University on regarding the award of a tender shall be final. The University shall not be obliged to accept the lowest or any tender and the University shall also not be obliged to assign any reason for the acceptance or rejection of a tender.
- b) The tender shall be based upon drawings and/or specifications which shall be contained in a separate document, which document shall be deemed to be incorporated in and form part hereof.
- c) Where specifications, SABS/CKS standards, specifications, codes of practice or standard methods are referred to in the separate document referred to in sub-paragraph 2.2, these, together with any drawings, must be strictly adhered to:
  - i) Clause 14(1) states that if any requirements in respect of any or safety equipment or for the use or application thereof by employers or users of machinery have been prescribed, no person shall sell such machinery or safety equipment unless it complies with these requirements;
  - ii) for the purpose of this Section and Section 31(5) any part of machinery or safety equipment shall be deemed to be machinery or safety equipment.
- d) Tenders must be valid for a period of 120 days after the closing date.
- e) The tenderer will be notified of the University's acceptance of a tender, whether in whole or in part, either by notice in writing from the University or by the University placing a written order on its official order form.

### **3) DIFFERENCE OR DISCREPANCIES**

- a) Should there be any difference or discrepancy between the prices or price contained in the official Tender Form and those contained in any covering letter or other document from the Tenderer, the prices or price contained in the official Tender Form shall prevail.
- b) Any alteration effected upon any of the tender documents submitted to the Tender Committee must be clearly shown by means of a handwritten entry in ink and such alteration must be signed by the Tenderer.

### **4) PREFERENCES**

In order to assist the University in determining the degree of preference to be accorded to supplies produced, manufactured or assembled within the Republic of South Africa, Tenderers are required to state: -

- a) the country of origin of the goods.
- b) the country in which the goods are manufactured or assembled; and
- c) the industrial development points and the concentration points under the State Incentive Scheme or Industrial Development in which the goods are manufactured or assembled, where applicable.

5) **SPECIAL CONDITIONS OF TENDER**

If there are any further special conditions pertaining to this tender, then a document containing those special conditions will be attached to this document, marked Annexure "A", and will be deemed to form part hereof. In the event of there being any conflict between the terms and conditions of this document or the GENERAL CONDITIONS OF CONTRACT FOR GOODS AND/OR SERVICES and Annexure "A", then the terms and conditions of Annexure "A" shall prevail.

6) **OTHER INFORMATION**

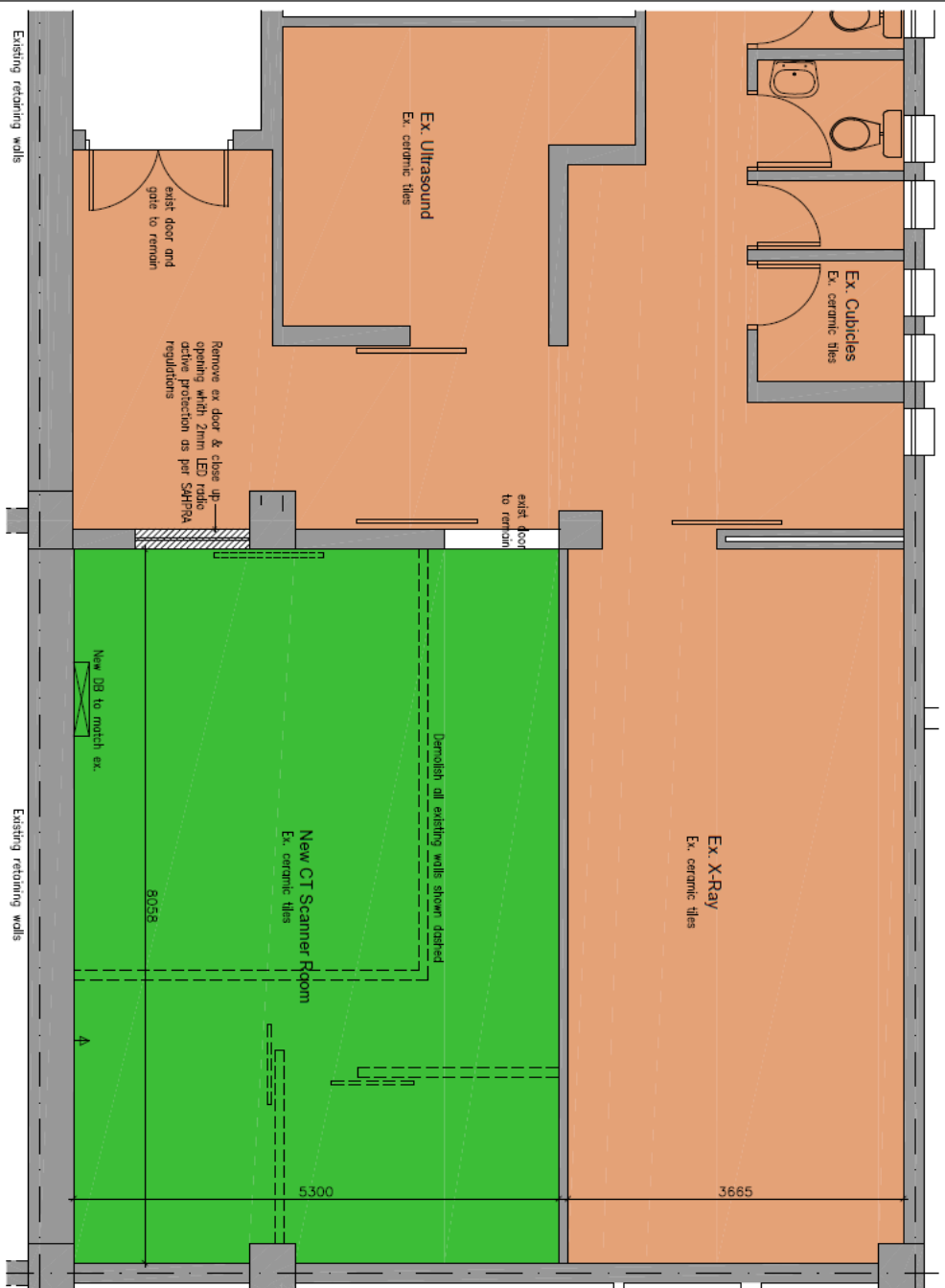
The Tenderer shall also provide the following information, namely: -

- a) full details of all discounts and whether such discounts are trade or settlement;
- b) a comprehensive company profile must accompany the tender, including banking details; and
- c) a full-service backup must be provided as indicated on the original tender and should advise, *inter alia*, whether: -
  - i) the Tenderer is the accredited agent in the Republic of South Africa for the manufacturer of the equipment offered;
- d) the Tenderer has supplied the type of equipment offered to other institutions in the Republic of South Africa and, if so, a list of the names of those other institutions should be provided.
  - i) a full range of spares is carried for the equipment offered; and
  - ii) service facilities by factory trained staff are available and, if so, where such services are available and on what conditions.

7) **LEGAL STATUS OF TENDERER AND AUTHORITY OF SIGNATORY**

- a) All Tenderers shall state, on the Tender Form under "Name and Address of Tenderer": -
  - i) their full legal status, that is, whether they are a natural person, firm, partnership, association, company, close corporation, trust or other trading entity;
  - ii) in the case of a juristic person, its full registered name(s), its registration number and its trading name(s), if any, must be stated;
  - iii) in the case of a natural person, the full names must be stated together with that person's identity number, the trading name of the business, if any, and an indication as to whether that person is the owner, proprietor, partner etc.; and
  - iv) the addresses of its registered office and principal place of business in the case of a juristic person or the residential address and business address in the case of a natural person.
- b) The signatory shall indicate in what capacity and under what authority the tender documents were signed by him or her. Documentary proof of the authority to sign the tender document shall also be submitted, for example, in the case of a company or close corporation, a certified copy of the resolution of that company or close corporation authorising the signatory to sign the tender documents on behalf of the company or close corporation, shall be submitted.





Existing retaining walls  
**PART FLOOR PLAN**  
 SCALE 1 IN 50

- SCOPE OF WORKS:**
1. REMOVE EXISTING SLIDING DOOR AND CLOSE UP OPENING WITH DOUBLE SKIN DRYWALL WITH 2mm LED RADIO ACTIVE PROTECTION. TO MAKE FINISH TO MATCH EXISTING WALLS.
  2. DEMOLISH ALL DRYWALLS SHOWN DASHED ON PLAN.
  3. SUPPLY & INSTALL NEW 3 PHASE PLEB POINT TOTAL NO 1 OFF.
  4. SUPPLY & INSTALL NEW DISTRIBUTION BOARD BY QUALIFIED ELECTRICAL ENGINEER TO MATCH EXISTING DB BOARD. ON COMPLETION TO ISSUE AN ELECTRICAL CERTIFICATE OF COMPLIANCE.
  5. SUPPLY & INSTALL NEW CT SCANNER BY SPECIALIST TO BE COMMISSIONED ON COMPLETION.
  6. CONTRACTOR TO TIDY UP AFTER COMPLETION.

**DUT DURBAN**  
 UNIVERSITY OF TECHNOLOGY

REAL ESTATE PLANNING - D.U.T  
 Steve Biko Campus,  
 121 Steve Biko Road, Durban 4001  
 Tel: 031 373 6333

PROJECT DURBAN UNIVERSITY OF TECHNOLOGY - RITSON CAMPUS  
 DEPARTMENT OF RADIOGRAPHY

TITLE  
**NEW CT SCANNER ROOM**

SCALE	1 in 50	DRAWN	S Nene
DESIGNED	Simaaga	CHECKED	
PROJECT NUMBER	2601-02	DATE	03/03/2026
		DRAWING NUMBER	SD 01- 02
		REVISION	

**POWER REQUIREMENTS**

POWER SUPPLY	3 PHASES+G 200/220V/240/380/400/420/440/460/480 V ± 10%
FREQUENCIES	50/60 Hz ± 3 Hz
MAXIMUM POWER DEMAND	100 KVA
AVERAGE (CONTINUOUS) POWER DEMAND	20 KVA
POWER FACTOR	0.85

- Power supply should come into a main disconnect panel (MDP) containing the protective units and controls.
- The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops.
- There must be discrimination between supply cable protective device at the beginning of the installation (main low-voltage transformer side) and the protective devices in the MDP.

**SUPPLY CHARACTERISTICS**

- Power input must be separate from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers,...).
- All equipment (lighting, power outlets, etc...) installed with GE system components must be powered separately.
- The minimum recommended transformer size for a dedicated distribution transformer provided for the system is as follows, rated 2.4% regulation at unity power factor:
  - 100 KVA option - 125KVA
  - 75 KVA option - 93.75 KVA
  - 50 KVA option - 62.5 KVA
- Phase imbalance 2% maximum.
- Transients must be less than 1500V peak. (on a 400V line)

**GROUND SYSTEM**

- System of equipotential grounding.
- Equipotential: The equipotential link will be by means of an equipotential bar. This equipotential bar should be connected to the protective earth conductors in the ducts of the non-GE cableways and to additional equipotential connections linking up all the conducting units in the rooms where GE system units are located.

**CABLES**

- Power and cable installation must comply with the distribution diagram.
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
- The cables from signaling and remote control (V, SEO, L...) will go to MDP with a pigtail length of 1.5m, and will be connected during installation. Each conductor will be identified and isolated (screw connector).

**CABLEWAYS**

- The general rules for laying cableways should meet the conditions laid down in current standards and regulations, with regard to:
  - Protecting cables against water (cableways should be waterproof).
  - Protecting cables against abnormal temperatures (proximity to heating pipes or ducts).
  - Protecting cables against temperature shocks.
  - Replacing cables (cableways should be large enough for cables to be replaced).
  - Metal cableways should be grounded.

**POWER DISTRIBUTION**

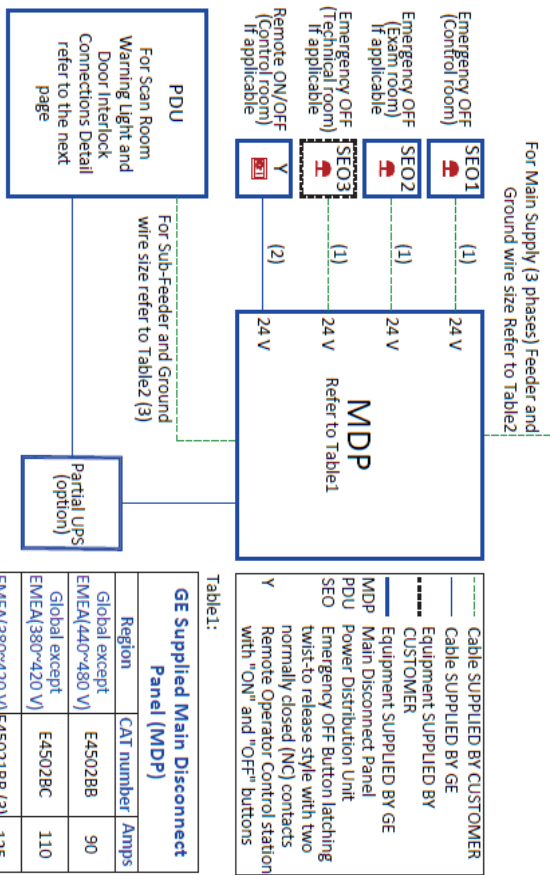


Table1:

Region	CAT number	Amps
Global except EMEA(440~480 V)	E4502BB	90
Global except EMEA(380~420 V)	E4502BC	110
EMEA(380~420 V)	E45021BB (3)	125

Legend:

- Cable SUPPLIED BY CUSTOMER
- Cable SUPPLIED BY GE
- Equipment SUPPLIED BY CUSTOMER
- Equipment SUPPLIED BY GE

MDP Main Disconnect Panel  
PDU Power Distribution Unit  
SEO Emergency OFF button latching twist-to-release style with two normally closed (NC) contacts  
Remote Operator Control station with "ON" and "OFF" buttons

Table2:

Feeder Table

The information below assumes the use of copper wire, rated 75°C and run in steel conduit. All ampacity is determined in accordance with the National Electrical Code (NFPA 70), Table 310-16 (2002). The ampacity of the circuit protection device listed above determines the minimum feeder size, except where total source regulation limits require a larger size. If the wire size does not match the above lists, please select the nearest wire size as per to local standards

Feeder length from Power Substation to MDP - ft (m)	Minimum Wire Size, AWG or MCM (mm <sup>2</sup> )/VAC								
	300 VAC	220 VAC	240 VAC	380 VAC	400 VAC	420 VAC	440 VAC	460 VAC	480 VAC
50 (15)	1/0 (50)	1/0 (50)	1/0 (50)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
100 (30)	2/0 (70)	1/0 (50)	1/0 (50)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
150 (46)	4/0 (120)	3/0 (95)	3/0 (95)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
200 (61)	250 (120)	4/0 (120)	4/0 (120)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)
250 (76)	300 (150)	250 (120)	250 (120)	1 (35)	1 (35)	2 (35)	2 (35)	2 (35)	4 (25)
300 (91)	350 (185)	300 (150)	250 (120)	1/0 (50)	1/0 (50)	1 (35)	1 (35)	2 (35)	2 (35)
350 (107)	400 (185)	350 (185)	300 (150)	2/0 (70)	1/0 (50)	1/0 (50)	1 (35)	1 (35)	1 (35)
400 (122)	400 (185)	350 (185)	350 (185)	2/0 (70)	2/0 (70)	1/0 (50)	1/0 (50)	1/0 (50)	1 (35)
Sub-Feeder length from MDP to PDU - ft (m)	Grounding								
32 (9.75x6)	1/0 (50)	1/0 (50)	1/0 (50)	2 (35)	2 (35)	4 (25)	4 (25)	4 (25)	4 (25)

Run a dedicated 1/0 [50 mm<sup>2</sup>] or larger insulated copper ground wire from the power source to the MDP and from MDP to the PDU. Run the ground wire in the same raceway with the three-phase wires.

Notes :

- Wire size: 4x2.5mm<sup>2</sup> [14AWG] and 1x2.5mm<sup>2</sup> [14AWG] GND
- Power control cable: 3 m [10 ft] multi-conductor, 24V DC
- GE supplied MDP option E45021BB includes a 10 meter long power cable (H07RN-F) with wire size 4x50mm<sup>2</sup> and a 50 meter long control cable with wire size 2x1.5mm<sup>2</sup>

### TEMPERATURE AND HUMIDITY SPECIFICATIONS

#### IN-USE CONDITIONS

	EXAM ROOM		CONTROL ROOM			
	Min	Recommended	Max	Min	Recommended	Max
Temperature	18°C	22°C	26°C	18°C	22°C	26°C
	64°F	72°F	79°F	64°F	72°F	79°F
Relative humidity (1)	30% to 60%		30% to 60%		30% to 60%	

#### STORAGE CONDITIONS

Temperature	0°C to +30°C 32°F to +86°F
Temperature gradient	≤ 3°C/h ≤ 5°F/h
Relative humidity (1)	up to 70%
Humidity gradient	≤ 5%/h

Storage longer than 6 months is not recommended.

(1) Non-condensing

#### AIR RENEWAL

According to local standards.

**NOTE**  
In case of using air conditioning systems that have a risk of water leakage it is recommended not to install it above electric equipment or to take measures to protect the equipment from dripping water.

### HEAT DISSIPATION DETAILS

ROOM	DESCRIPTION	Max (kW)	Max (BTU)
Exam Room	Gantry	5.48	18700
	GT1700V/GT2000 Table	0.3	1030
	Power Distribution Unit	1.0	3400
	<b>TOTAL</b>	<b>6.78</b>	<b>23130</b>
Control Room	Operator console	0.84	2860
	LCD monitor (Total amount of 2 monitors)	0.1	340
	AV Workstation	1.0	3412
	<b>TOTAL</b>	<b>1.94</b>	<b>6612</b>

### DELIVERY

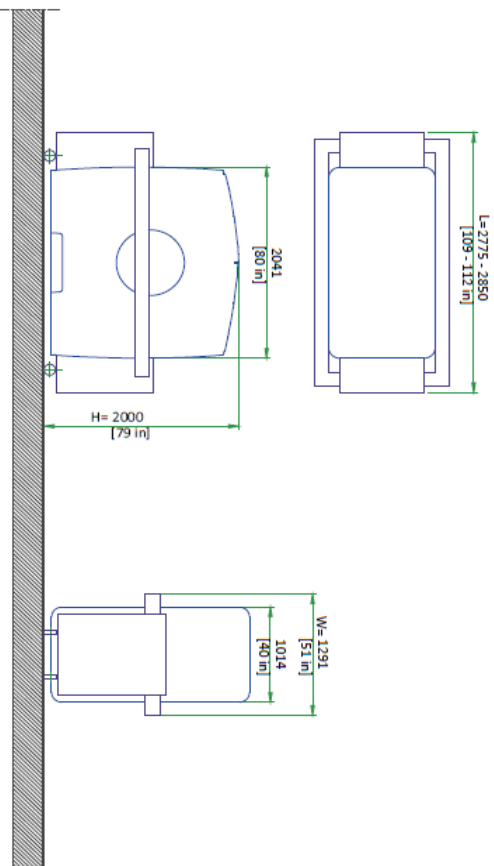
#### THE CUSTOMER/CONTRACTOR SHOULD:

- Provide an area adjacent to the installation site for delivery and unloading of the GE equipment.
- Ensure that the dimensions of all doors, corridors, ceiling heights are sufficient to accommodate the movement of GE equipment from the delivery area into the definitive installation room.
- Ensure that access routes for equipment will accommodate the weights of the equipment and any transportation, lifting and rigging equipment.
- Ensure that all necessary arrangements for stopping and unloading on public or private property not belonging to the customer have been made.

#### DIMENSIONS OF DELIVERY WITH DOLLY TRANSPORT EQUIPMENT

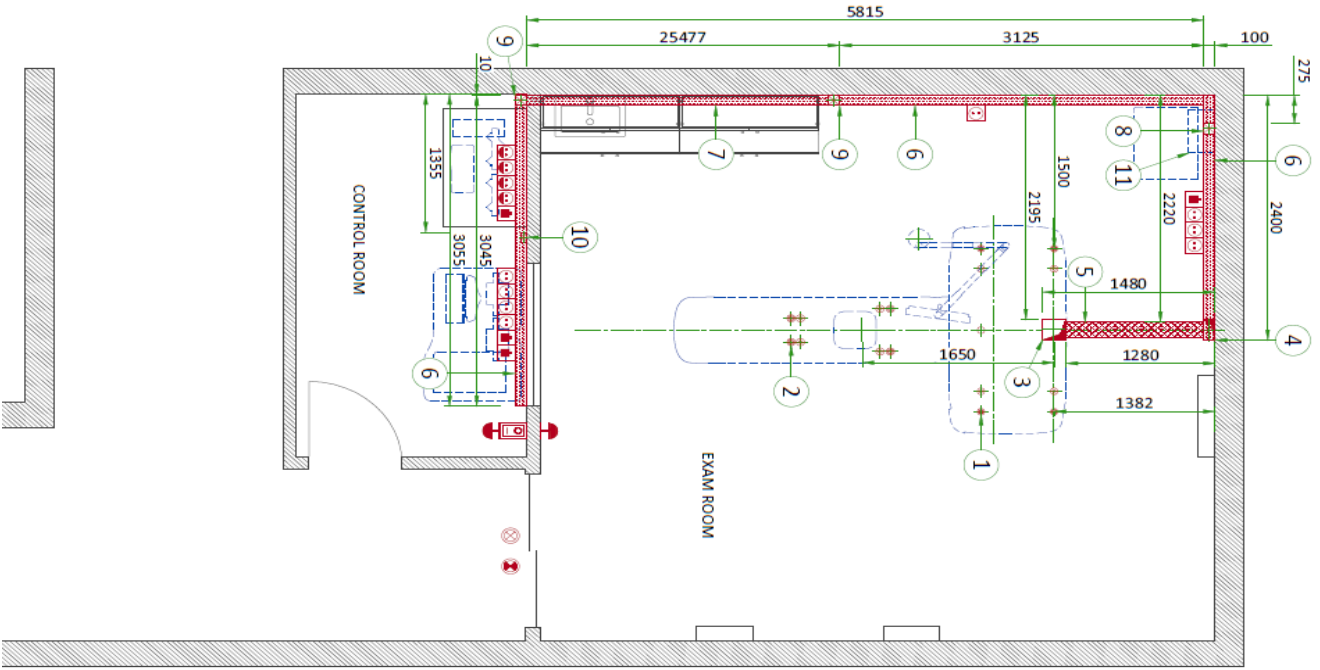
EQUIPMENT	LENGTH	WIDTH	HEIGHT	WEIGHT
GANTRY	2775 mm	109 in	1291 mm	1335 kg
	2000 mm	79 in	2000 mm	4049 lbs
	2880 mm	112 in	2880 mm	
GANTRY - lightweight dolly	1291 mm	51 in	1291 mm	1732 kg
	2000 mm	79 in	2000 mm	3818 lbs
	2489 mm	98 in	2489 mm	
GT1700V TABLE	762 mm	30 in	762 mm	576 kg
	1143 mm	45 in	1143 mm	1270 lbs

### GANTRY DELIVERY



- The gantry is shipped on a dolly equipped with elevating casters (normal shipping configuration).  
NOT TO SCALE

Annexure 5. CT Scanner Room New : Structural & Electrical Layout



**STRUCTURAL-ELECTRICAL LAYOUT**

ITEM	QTY	DESCRIPTION
1		Gantry anchoring (see Structural Details)
2		Table anchoring (see Structural Details)
3		200x200 cable inlet on the floor
4		200x100 cable inlet on the floor
5		150x80 flush floor duct
6		100x100 horizontal wall duct
7		100x100 horizontal wall duct in h=2.00m
8		100x100 vertical duct for MDP cabling (h=1.1m)
9		100x100 mm vertical duct from wall duct to h=2.00m
10		100x50 mm vertical duct from false ceiling to the floor
11		Main Disconnect Panel (MDP)
		Electrical outlet 10/16A 230V + G
		RI 45 network socket
		System emergency off (SEO), (recommended height 1.50m-1.85m above floor)
		X-Ray ON lamp (L1) - 24V
		System ON light (L) - 24V
		System remote control (V), locked when power OFF "ON" and "OFF" impulse buttons with indicator lamps red=ON / green=OFF located at 1.50m above floor
		Electrical outlet: 10/16A 230V+G, on uninterruptible power supply (if available)

		Flush floor duct
		Wall duct