PART A
INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE *(NAME OF DEPARTMENT/ PUBLIC ENTITY)*					
BID NUMBER:	**DOH(FS)12/2025/2026**	CLOSING DATE: **17 APRIL 2026**		CLOSING TIME:	**11H00**
DESCRIPTION	**SUPPLY, DELIVERY, DECOMMISSIONING, CONFIGURING, INSTALLATION, ACCEPTANCE, COMMISSIONING, QUALITY ASSURANCE, SERVICE, TRAINING AND MAINTENANCE OF FIVE (5) CEILING SUSPENDED X-RAY UNITS WITH DUAL MOUNTED DETECTORS AND DIRECT IMAGING DETECTOR WITH DIGITAL TOMOGRAPHIC STITCHING AND THREE DIGITAL HEIGHT ADJUSTABLE MOBILE X-RAY UNITS EACH WITH 24 X 30 CM DETECTOR MOBILE & 34 X 43 DETECTOR FOR THE FREE STATE DEPARTMENT OF HEALTH.** **PERIOD: ONCE-OFF PROCUREMENT WITH A 2 YEAR WARRANTY AND A 5 YEAR FULL COMPREHENSIVE SERVICE AND MAINTENANCE PLAN.**				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT ***(STREET ADDRESS)***					
DEPARTMENT OF FREE STATE HEALTH.					
GROUND FLOOR, BOPHELO HOUSE, BLOCK C-WEST, OPPOSITE MAIN DOOR.					
C/O CHARLOTTE MAXEKE STREET AND HARVEY ROAD, BLOEMFONTEIN.					
DEPARTMENT OF FREE STATE HEALTH.					

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO		**TECHNICAL ENQUIRIES MAY BE DIRECTED TO:**	
CONTACT PERSON	**Me. C.J.B Naicker**	CONTACT PERSON	**Mr J. Stallenberg** **Ms. B. Welman**
TELEPHONE NUMBER	**051 408 1152**	TELEPHONE NUMBER	**051 405 1662**
FACSIMILE NUMBER	**N/A**	FACSIMILE NUMBER	**N/A**
E-MAIL ADDRESS	**NaickerCJB@fshealth.gov.za**	E-MAIL ADDRESS	**jvstallenberg@gmail.com** **welmanb@fshealth.go.za**

SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		**OR**	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] ☐ Yes ☐ No	

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐Yes ☐No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR **THE GOODS /SERVICES /WORKS OFFERED?**	☐Yes ☐No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	☐ YES ☐ NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.

PART B
TERMS AND CONDITIONS FOR BIDDING

1.	**BID SUBMISSION:**
1.1.	BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2.	**ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
1.3.	THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4.	**THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7.1).**
2.	**TAX COMPLIANCE REQUIREMENTS**
2.1	BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2	BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3	APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4	BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5	IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6	WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7	NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER: .....

CAPACITY UNDER WHICH THIS BID IS SIGNED: .....
(Proof of authority must be submitted e.g. company resolution)

DATE: .....

SITE INSPECTION AND EXPLANATORY MEETING CERTIFICATE

BID NUMBER: **DOH (FS) 12/2025/2026** Attendance list number: DOH12/2025/_____

SUPPLY, DELIVERY, DECOMMISSIONING, CONFIGURING, INSTALLATION, ACCEPTANCE, COMMISSIONING, QUALITY ASSURANCE, SERVICE, TRAINING AND MAINTENANCE OF FIVE (5) CEILING SUSPENDED X-RAY UNITS WITH DUAL MOUNTED DETECTORS AND DIRECT IMAGING DETECTOR WITH DIGITAL TOMOGRAPHIC STITCHING AND THREE DIGITAL HEIGHT ADJUSTABLE MOBILE X-RAY UNITS EACH WITH 24 X 30 CM DETECTOR MOBILE & 34 X 43 DETECTOR FOR THE FREE STATE DEPARTMENT OF HEALTH.

Attendance of the site inspection and explanatory meeting Compulsory

An official of the Department must sign this certificate at the explanatory meeting. No certificate will be signed outside the meeting. The original certificate must be included in the bid document and will not be accepted after the closing time and date of the bid.

EXPLANATORY MEETING DATE: 31 March 2026

TIME: 09H00-14H00

VENUES: CJ Nel Lecture Hall
Universitas Academic hospital,
DF Malherbe Avenue,
Universitas,
Bloemfontein
TIME: 09H00

2ND VENUE: Pelonomi Tertiary Hospital
Radiology Boardroom
121 Dr Belcher Road
Heidedal
Bloemfontein
9301
TIME: 12H00-14H00

CONTACT PERSON/S: Mr. Jerome. V Stallenberg
Ms. Bernine. Welman
Tel: 051 405 1662

This is to certify that _____ in his/her capacity as

_____ of the company _____ has attended the

explanatory meeting on the _____ day of _____ 2026 and is therefore

familiar with circumstances and the scope of the items to be supplied.

_____ _____
SIGNATURE /DEPARTMENTAL OFFICIAL **RANK**

_____ _____
SIGNATURE OF REPRESENTATIVE OF COMPANY **DATE**

*** Note: Only one certificate per company**

OFFICIAL DATE STAMP

health
Department of Health
FREE STATE PROVINCE

SUPPLY, DELIVERY, DECOMMISSIONING, CONFIGURATION, INSTALLATION, ACCEPTANCE, TRAINING, COMMISSIONING, QUALITY ASSURANCE, SERVICE AND MAINTAINANCE OF;

1. **FIVE [5] DIGITAL CEILING SUSPENDED BUCKY X-RAY UNITS EACH WITH DUAL MOUNTED DETECTORS (x2) AND PORTABLE, WIRELESS FLAT PANEL DETECTOR (x1) FOR DIRECT IMAGING AND WITH DIGITAL STITCHING.**

2. **THREE [3] DIGITAL MOBILE X-RAY UNITS WITH HEIGHT ADJUSTABLE/RETRACTABLE TUBE COLUMN AND TELESCOPIC TUBE ARM EACH WITH 24X30 CM WIRELESS DETECTOR (X1) & 35X43 CM WIRELESS DETECTOR (X1).**

WITH A 2 YEAR WARRANTY AND A 5 YEAR FULL, COMPREHENSIVE SERVICE AND MAINTENANCE PLAN FREE STATE DEPARTMENT OF HEALTH

FOR INQUIRES PLEASE CONTACT	
Mr Jerome V Stallenberg Chief Radiographer Pelonomi Tertiary Hospital 121 Dr Belcher Road Heidedal Bloemfontein. 9301 Tel: (051) 405 1662	Ms Bernine Welman Medical Physicist Pelonomi Tertiary Hospital 121 Dr Belcher Road Heidedal Bloemfontein. 9301 Tel: (051) 405 1662

SECTION B:

SPECIAL CONDITIONS OF TENDER

TABLE OF CONTENTS

1. INTRODUCTION

This document is an invitation to suppliers of Radiology imaging equipment to bid for procurement of:
1.1). Five [5] digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching.

1.1.1. Pelonomi Tertiary Hospital : x3 units

1.1.2 Universitas Academic Hospital: x2 units

1.2). Three [3] digital mobile x-ray units with height adjustable/retractable tube column and telescopic tube arm each with 24x30 cm wireless detector (x1) & 35x43 cm wireless detector (x1).

1.2.1 Pelonomi Tertiary Hospital: x3 units

1.1). The **ceiling suspended digital x-ray units** should be automatic and manual, digital, radiographic examination and evaluation unit with a workstation based on detector technology with digital stitching software. For high image dynamics and excellent signal/noise ratio which is required for use in a high patient volume 24 hour trauma health care setting and must be of modern, updated (software & hardware) technology under current production, not BETA phase and should be licensed by SAHPRA (South African Health Products Regulatory Authority) for sale in Southern African markets by a recognized Supplier who can prove the service, spares and application support available within Africa to maintain the entire system for the unit to operate at peak operating performance. Quality Assurance should be SANAS (South African National Accreditation System) accredited.

1.2). The **digital mobile x-ray units** must be of automatic, digital and manually operated, mobile radiographic examination and evaluation unit with an integrated workstation based on detector technology for high image dynamics and with excellent signal/noise ratio. The units are required for use in a dynamic 24 hours healthcare environment where neonatal, paediatric, adult, ICU, trauma and medical cases are referred. The units must be of modern, updated (software & hardware) technology under current production, not in BETA phase and should be licensed by SAHPRA (South African Health Products Regulatory Authority) for sale in Southern African markets by a recognized Supplier who can prove the service, spares and application support available within Africa to maintain the entire system for the unit to operate at peak operating performance. Quality Assurance should be SANAS (South African National Accreditation System) accredited.

2. LEGISLATIVE AND REGULATORY FRAMEWORK

This bid and all contracts emanating this will be subject to General Conditions of Contract issued in accordance with Treasury Regulation 16A published in terms of the Public Finance Management Act, 1999 (Act 1 of 1999) as well as the Preferential Procurement Policy Framework Act 2000 (PPPFA) with its latest 2017 regulations. The Special Conditions of Contract (SCC) are supplementary to that of General Conditions of Contract. However, where the Special Conditions of Contract are in conflict with the General Conditions of Contract, the Special Conditions of Contract prevail. Construction Industry development Board Act 38 of 2000.

This bid is subject to all applicable industry related legislation, particularly the legislation stated below:

Bidders are required to adhere to Medicines and Related Substances Amendment Act, No. 72 of 2008 (Amendment Act) read together with a further Amendment Act, Medicines, and Related Substances Act No. 14 of 2015 and its Regulations and Guidelines; on Medical Devices and In Vitro Diagnostic (IVD) Medical Devices where applicable. Hazardous Substances Act No. 15 of 1973; and

(6)

Occupational Health and Safety Act No.85 of 1993.

Non-compliance with these conditions may invalidate the bid.

3. ADMINISTRATIVE AND CLINICAL OBJECTIVES

The Free State Department of Health objectives and priorities in entering the contracts can be broadly divided into Administrative and Clinical as follows:

3.1 Administrative Objectives

The administrative objectives of a bid process under South Africa's Public Finance Management Act (PFMA) are rooted in the constitutional principles of public administration. The primary administrative objectives are to ensure the procurement system is ensuring lawfulness and procedural fairness, promoting transparency and openness, enhancing accountability, ensuring efficiency and effectiveness, fostering competition, maintaining ethical conduct, guaranteeing administrative compliance, supporting socio-economic objectives.

3.2 Clinical Objectives

The Clinical objectives revolve around enhancing patient care through improved diagnosis, treatment, and monitoring, while also boosting operational efficiency and safety and guaranteeing quality of care and adherence to standards and compliance with regulatory requirements, managing risks and liabilities and facilitating access to treatment and innovation.

3.2.1 The units will be installed at **Pelonomi Tertiary Hospital** and **Universitas Academic Hospital** and will be used for 24 hours trauma, neonatal, paediatric, surgical and medical patient care.

3.2.2 Imaging information must be readily available to ensure that the personnel in the hospitals will provide effective patient care and treatment in the shortest possible time.

3.2.3 To provide high quality 24 hours, high patient volume quality healthcare service to patients.

3.3 .Proposed Implementation Approach

3.3.1 The Bidder shall supply, deliver, decommission, configure, install, accept, train, commission, quality assure, service and maintain **Five [5] digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching.**

3.3.1.1 Pelonomi Tertiary Hospital: x3 units

3.3.1.2 Universitas Academic Hospital: x2 units

3.3.2 The Bidder shall supply, deliver, decommission, configure, install, accept, train, commission, quality assure, service and maintain **Three [3] digital mobile x-ray units with height adjustable/retractable tube column and telescopic tube arm each with 24x30 cm wireless detector (x1) & 35x43 cm wireless detector (x1)** for Pelonomi Tertiary Hospital, Free State Department of Health and issue a certificate of compliance with the regulations of the Radiation Control Directorate of the National Department of Health before official acceptance by the Hospital.

3.3.2.1 Pelonomi Tertiary Hospital: x3 units

3.3.3 The bidder shall ensure that there is a minimum disruption of normal services.

3.3.4 **24 months** mandatory warranty period on equipment bid commencing from date of commissioning.

3.3.5 **5 years** full service, repair, quality assurance and maintenance contract commencing upon the expiry of a 24 months warranty period.

3.3.6 Perform Acceptance tests on installed equipment in line with SAHPRA regulations

3.3.7 Train users on the safe operation of the equipment and radiographic quality assurance and quality control testing.

3.3.8 Provide equipment specific SAHPRA required quality control tools.

3.3.9 De-install and move the old equipment in the room to a designated area within the premises of relevant facility at no cost to the Free State Department of Health.

3.3.10 Perform room alterations, where required, that will allow for installation of imaging equipment in line with SAHPRA regulations and radiology imaging health & safety standards.

3.3.11 Provide and comprehensively maintain climate control mechanism (air-conditioning) for relevant imaging equipment and area to allow for optimal operation of the installed units to ensure warranty and safe operation on unit.

3.3.12 The equipment will be acquired through an outright purchase and no leasing option is required.

3.3.13 The bidder must supply the UPS and any other power stabilising component/s for full functionality of the unit.

3.3.14 Provide overall comprehensive connectivity and functioning of equipment as per communication with HIS and RIS/PACS of the relevant facility.

3 CONDITIONS AND FORMAT OF THIS BID

4.1 Conditions

4.1.1 These bid specifications are the minimum requirements.

4.1.2 The conditions of General Conditions of Contract (GCC) shall apply and form an integral part of these bid specifications.

4.1.3 With each tender condition in this document you shall clearly indicate in the column provided whether you comply, not comply, whether mandatory requirements are met or not met and the details of the offer. If an explanatory note is provided, the paragraph reference must be noted in the space provided for details of offer. Bids not completed in this manner will not be taken into account.

4.1.4 A detailed description of how the non-compliance is overcome, shall be provided.

4.1.5 One complete set of documentation applicable to your offer must be submitted and must be valid for 120 days after the closing date of this bid.

4.1.6 The bid shall be answered in the same order as this document. Information supplied must be concise. Cross-references to related questions/answers in other Chapters will be ignored. The above will ensure easier evaluation of this tender.

4.1.7 The Free State Department of Health reserves the right to terminate the bid at any time. The Department of Health further reserves the right to put out another bid for any of the items if deemed necessary.

4.1.8 The Free State Department of Health reserves the right to receive a price quotation from the bidder for the enhancement and adaptation of an item if necessary. This will be done before the awarding of the bid after approval has been granted by the Free -State Department of Health.

4.1.9 It is envisaged that the total installation and commissioning be completed within 3 months after an official order has been placed and SAHPRA requirements of "may install" are met.

4.1.10 Only new equipment may be proposed.

4.1.11 After the closing of bid, the bidders may be asked to furnish further information regarding the equipment, the software, the features, the components or design, the installation of equipment tendered for, as well as any other information that the Free- State Department of Health may require. Bidders shall adhere to this request in the shortest possible time. If the request for additional information has not been met within seven working days, it may be considered as sufficient grounds to disregard the bid. Responses to requests for additional information must be supplied free of charge by the bidder.

4.1.12 In the case of any non-compliance with the terms and conditions of the contract and specifications provided in the answers to the bid, the Free- State Department of Health will be refunded in full and the bidder will have to bear the cost of replacement of the system as a whole.

4.1.13 The bidder shall produce documented evidence from original supplier of the equipment included in this proposal that they are the bona-fide importers and/or distributor, or bona-fide agent of the importer and/or distributor for the product in the Republic of South Africa.

4.1.14 The bidder shall ensure that all equipment tendered for is fully compatible and inter- operable.

4.1.15 The details of the evaluation tests conducted by the Free State Department of Health will not be made available to any third party.

4.1.16 All items tendered for, must be commercially available as of the closing date of the bid. Items in Beta-phase are not considered to be commercially available.

4.1.17 All equipment supplied must be fully guaranteed and maintained at no additional cost to the Free State department of Health for a period of 24 months from the date of commissioning.

4.1.18 It is a requirement that sufficient spare parts be held in the country to ensure that the system is kept in good working order for ten (10) years after installation.

4.1.19 Notwithstanding any ambiguity and shortcomings of the tender specifications, the bidder shall undertake to make allowances in the proposal for all components and their costs required to make up a fully functional working system.

4.1.20 Bidders may bid for individual items.

4.2 Format

4.2.1 Bidders shall provide detailed quotations, showing unit prices and a referenced brief description of each unit offered.

4.3 Consumables Supplies/accessories

The suppliers of equipment in terms of these specifications must recommend consumables/accessories articles and must indicate which items, of the required quality for safe and practical use on their equipment, are available from South African sources. Bidders must also indicate what other trademark consumables/accessories articles may be used on the proposed equipment without incurring penalties in instances where the equipment may be damaged. Current prices of all consumable/accessories supplies must be furnished, for purposes of evaluation.

5 DELIVERY, INSTALLATION AND TERMS OF PAYMENT

5.1 General

5.1.1 The prices quoted must be for supply, delivery, decommissioning, configuration, installation, acceptance, commissioning, training, quality assurance, service and maintenance of;
Five [5] digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching.

5.1.1.1 Pelonomi Tertiary Hospital: x3 units
5.1.1.2 Universitas Academic Hospital: x2 units

5.1.2 **Three [3] digital mobile x-ray units with height adjustable/retractable tube column and telescopic tube arm each with 24x30 cm wireless detector (x1) & 35x43 cm wireless detector (x1)**, for Pelonomi Tertiary Hospital, Free State Department of Health and issue a certificate of compliance with the regulations of the Radiation Control Directorate (SAHPRA) of the National Department of Health before official acceptance by the Hospital.

5.1.2.1 Pelonomi Tertiary Hospital : x3 units

5.1.3 where applicable and comprehensive user training of the system.

5.1.4 Bidders are requested to indicate the period of delivery, calculated from the date of order.

5.1.5 Bidders must indicate how many months before the planned delivery date; delivery can be postponed by either party without penalty. An indication must also be given of penalties payable should the delivery date be postponed until after the final delivery date.

5.1.6 With the submission of their bids, Bidders shall quote on the following options:

5.1.6.1 Outright purchase of the proposed systems.
5.1.6.2 Building alterations.
5.1.6.3 A five-year full, comprehensive service and maintenance contract post 24 months warranty and guarantee period.

5.1.6.4 Other costs which have possibly not been specified, for the effective operation of the system.

5.1.7 The equipment and its components and accessories will be deemed to be fully delivered and installed when it has been tested and compliant with regulatory standards and demonstrated in an operational situation at the installation location. Payment of an invoice will be authorised upon receipt of a detailed account supported by a Departmental certificate of satisfactory execution of the work.

5.2 Bench Marks

5.2.1 Suppliers must be prepared to undertake benchmark tests on similar systems as tendered for, to evaluate all aspects of system performance (specifications of benchmarks will be supplied at a later stage). Results of benchmarks must be repeated once the system is installed. Failure to repeat results successfully will be regarded as a breach of contract.

5.3 Documentation and Licences

5.3.1 A complete set of all English language Operating Manuals, Standard Operating Procedures for maintenance, Standard Operating Procedures for routine quality and safety tests and technical surveys, etc. must be provided on delivery of the equipment.

5.3.2 Should the hardware require an export licence according to the law of the country of origin, this licence, or sufficient evidence indicating that the licence has been issued, must be presented as soon as possible, but not later than 3 months after the acceptance of the offer.

5.3.3 A license with the licensee's registered number and issued in terms of the Hazardous Substance Act (Act 15 of 1973) must be submitted in respect of relevant items offered.

5.3.3 Original English manuals for all hardware supplied must be provided on delivery of the equipment.

5.3.4 Any changes made to hardware settings other than those stated in the manuals during installation shall be noted in the manuals and brought to the attention of the Department.

5.4 Compulsory Pre-bid meeting and site inspections.

5.4.1 Only offers of bidders who attended the compulsory pre-bid explanatory and site inspection meeting will be considered. Bidders shall acquaint themselves with the sites where the units will be installed at the healthcare facilities, since there will be no price adjustments after the

bid has been awarded. The site visit date will be exactly two weeks after the date of publication of this bid as follows;

5.4.2 The Site meeting will be held as follows;

1st venue
Venue: CJ Nel Lecture Hall
Universitas Academic Hospital
DF Malherbe Avenue
Universitas
Time: 09:00
Date: 31 March 2026

2nd Venue:
Venue: Pelonomi Tertiary Hospital
Radiology Boardroom
121 Dr Belcher Road
Heidedal
Bloemfontein
9301
Time: 12:00
Date: 31 March 2026

5.4.3 The Pre-Bid explanatory meeting will be arranged as follows:

Venue: Pelonomi Tertiary Hospital
Radiology Boardroom
121 Dr Belcher Road
Heidedal
Bloemfontein
9301
Time: 14:00
Date: 31 March 2026

5.4.4 It is required that all bidders visit the hospitals and facilities in order to familiarise themselves fully with the layout of the hospital, and facilities for the installation of the **Five [5] digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching.**

5.4.4.1 Pelonomi Tertiary Hospital: x3 units
5.4.4.2 Universitas Academic Hospital: x2 units

and,

Three [3] digital mobile x-ray units with height adjustable/retractable tube column and telescopic tube arm each with 24x30 cm wireless detector (x1) & 35x43 cm wireless detector (x1), for Pelonomi Tertiary Hospital, Free State Department of Health.

5.4.4.3 Pelonomi Tertiary Hospital: x3 units

5.4.5 The responsibility rests with the bidder to ensure that the site is suitable for the system. Should any additional costs be incurred for this purpose after installation, it will be for the bidder's account.

5.5 Bidder's experience

5.5.1 Preference will be given to companies that are established in South Africa, have a proven track record of successful installations, and sound financial backing. It will be necessary for the successful company to convince the Free State Government that their company will be in the market to support this installation for a minimum of 10 years.

5.5.2 The bidder is to supply a guarantee from the original supplier of the equipment that all parts used are compatible with the equipment. For this reason, bidders must provide proof from the original suppliers of the equipment that the original supplier is willing to supply parts used by the bidder. This must be clearly marked **"Annexure A"** and attached to the bid document. Failure to submit the document will invalidate the offer.

5.5.3 Bidders shall furnish names, including telephone numbers of customers where similar systems have been installed, serviced, repaired and commissioned in South Africa and Southern Africa, state how long the equipment has been installed and attach this information to the bid, clearly marked, **"Annexure B".** It is the intention of the Free State Department of Health to request references from such customers and to inspect the installations where possible, to establish the bidder's bona-fides.

5.5.4 Bidders should be prepared to arrange visits to sites of the Free- State Department of Health`s choice where a system similar to the one proposed is operating successfully with a commissioning certificate.

5.6 Bidder's liability in respect of defects

5.6.1 Any defects or faults which may appear within 24 months after completion of the works due to materials or workmanship not being in accordance with the contract, shall be made good by the bidder within such a period as may be determined by the Free State Department of Health.

5.6.2 Should the bidder fail to rectify the defects or faults, the Free- State Department of Health shall be entitled to rectify such defects or faults or to arrange for the rectification there-of and to recover from the bidder any damages as a result of the bidder's failure to comply with the terms of the contract.

5.7 Project management

5.7.1 The bidder must provide a table of names, qualifications, experience and capacity of all people that will be directly involved in repairing of the equipment. This must be clearly marked **"Annexure C"** and attached to the bid document.

5.7.2 The bidder shall provide at ''**Annexure D'',** a table of names, relevant qualifications, experience and capacity of all people and their roles, including certified copies of qualifications, that will be directly involved in this project.

5.7.3 It is required from the bidder to supply the Hospital with a complete implementation plan, that will include a project diagram with a list of activities showing starting and completion time frames, project meeting dates (milestones), cash flow, resources and the deliverables. This information to be attached as ''**Annexure E''**, and the approved plan be issued to Pelonomi Tertiary Hospital and Universitas Academic Hospital on the date of issuing of an order.

5.7.4 The bidder will be required to manage the installation process of the system from site preparation to final acceptance by the Free State Department of Health. The Free- State Department of Health must be notified of all related requirements which are essential for the successful implementation of the contract, i.e. upgrade power supply, etc. This includes the preparation of a project plan after consultation with all relevant parties. This responsibility lies primarily with the bidder.

5.7.5 The supplier must appoint a single project manager to be accountable and responsible for all supplier and sub-contractor activities from date of contract award through to final acceptance of the system.

5.7.6 Project management will run under control of the Chief Executive Officer of the Hospital or his appointed representative and the project manager will report formally as agreed.

5.7.7 The relevant Safety File with all safety requirements and resources for personnel and for a project of this nature must form part of the full responsibility of the bidder at no cost to the Department of Health.

5.7.8 The Health and Safety requirements of the installation of Radiation equipment as regulated by SAHPRA must be adhered to. This includes, obtaining a license, ensuring room is designed as per specific guidelines of shielding and protective barriers, performing acceptance tests with an approved body and displaying of proper warning signs.

5.7.9 The Health and Safety requirements for construction as governed by the Occupational Health Safety Act 85 of 1993 and its construction regulations which require a mandatory safety file, where key requirements include, conducting risk assessments, creating a Health and Safety Plan, ensuring all contractors have an approved Safety File, providing proper Personal Protective Equipment (PPE), and maintaining a safe work environment.

5.7.10 The bidder, for room preparation done onsite must follow all regulatory guidelines of registration with Construction Industry Development Board (CIDB) according to the established Construction Industry Development Board Act 38 of 2000 and the builder's registration documents must be attached as an **"ANNEXURE F"**.

5.8 Payment charges and Exchange Rates

5.8.1 All prices must be quoted in South African Rands and bidders must indicate whether the prices are linked to any foreign currency and at what rate. Bidders must also indicate what portion of the total cost or price is linked to the foreign currency.

5.8.2 Bidders must use the official exchange rate valid on the date of the publication of the bid.

5.8.3 All prices and costs submitted in terms of this bid must include the cost of manufacture, x-ray room/ site preparations, packing of transport, delivery and installation on site, onsite and offsite training and support complete in every aspect.

5.8.4 All prices must include VAT.

5.9 Taxes and levies

5.9.1 All normal import duties and levies are payable by the bidder and must be included in the quoted prices.

5.9.2 All prices must include VAT.

6 SUPPORT SERVICES AND MAINTENANCE SERVICES

6.1 Support Services during the Warranty and guarantee period

6.1.1 The warranty and guarantee period will start on the day that the equipment is accepted as fully functional by the hospital by signing a formal, dated letter of acceptance and will extend for 24 months.

6.1.2 All parts, services, maintenance and labour including for all supplied components and accessories supplied must be fully warranted and guaranteed for the first 24 months. This warranty and guarantee will include all parts.

6.1.3 The full, comprehensive, support service during the warranty and Guarantee Period shall include all supplies not limited to;
6.1.3.1 Safety & Quality checks.
6.1.3.2 Diagnosis & repair including all spare parts of all supplied items.
6.1.3.3 Additional application training where necessary of all supplied items.
6.1.3.4 Standby technicians for diagnosis & repair with onsite and offsite/remote technical support.
6.1.3.5 All labour, accommodation & travelling.
6.1.3.6 Room safety, signage and child friendly aesthetics, accessories and components.
6.1.3.7 All vacuum elements.
6.1.3.8 UPS and power stabilizing components as supplied.
6.1.3.9 All climate control mechanisms/air-conditioning as supplied.

6.2 General conditions for Warranty and Guarantee period

6.2.1 It is required that the successful bidder render a support service with a maximum response time of 30 minutes with onsite inspection within 4 hours. The mean time to repair will be three (3) calendar days and will immediately follow the initial response time.

6.2.2 The hours of coverage for Service, must be from 00:00 Monday to 24:00 Sunday.

6.2.3 Maintenance and service during the warranty and guarantee period in normal working hours will be between 07:30 and 16:00 Monday to Friday and carried out at no cost to the Hospital.

6.2.4 Overtime during the warranty and guarantee period is applicable between 16:00 and 07:30 from Monday evening to Saturday morning and will be carried out at no cost to the Hospital.

6.2.5 The repair process could be a physical exchange of the equipment or parts. It is envisaged that spare equipment be included in the tender of all units or parts of units in order to provide the required response times.

6.2.6 A reporting system must be utilised which is capable to accept calls 24 hours per day, 7 days per week and keep track of the progress and escalation of problems must be utilised. This reporting system will also keep historic information on all equipment by serial number, as well as information regarding the performance of the bidder in respect to all calls. No information will be archived or deleted without clearing it with the Free-State Department of Health.

6.2.7 The supplier must provide what is considered as negligence in relation to the equipment and accessories supplied must be listed and clearly outlined as an **"Annexure G".**

6.2.8 Bidders shall indicate as an **"ANNEXURE H"** whether: -
6.2.8.1 A remote support/diagnostic facility is available, how it would be carried out at no cost to the facilities.
6.2.8.2 Patient information cyber-security and anti-hacking mechanisms/responsibilities of bidder.
6.2.8.3 Local diagnostic, fault finding and aids for trouble shooting are supplied.
6.2.8.4 Technical support/technician must be available in the Free-State.
6.2.8.5 The turnaround time for spare parts imported from outside the South Africa.
6.2.8.6 New releases and updates of the system must be supplied. Bidders shall indicate the costs associated with the installation of new releases and updates of software where applicable.

7 STAFF AND TRAINING REQUIREMENTS

7.1 Operating and Staffing Requirements

7.1.1 The bidder shall describe the operating requirements of the proposed system.

7.1.2 The bidder shall provide details of the personnel required to operate the system.

7.1.3 The training requirements shall be outlined and planned between the End user and the Bidder to cover the warranty period at no cost to the Department.

7.2 Training

7.2.1 Bidders shall describe how training is to be conducted in line with the End User requirements. A complete implementation program, showing training at various levels, personnel involved and user support must also be provided.
7.2.2 Training manuals must be supplied for the Radiographers, Medical Physicist and Radiologists.
7.2.3 Each unit must be supplied with a company checklist that indicates the daily checks for the particular unit as per manufacturers requirements and SAHPRA requirements to ensure warranty and compliance.

8. EVALUATION CRITERIA

8.1 This bid shall be evaluated in FOUR (4) stages as follows:

8.1.1 First stage: Mandatory Requirements

8.1.2 Second Stage: Administrative Compliance

8.1.3 Third Stage: Technical Evaluation

8.1.4 Fourth Stage: Specific Goals

8.1.1.1. FIRST STAGE: Mandatory Requirements

The following mandatory documents must be submitted with the bid and failure which the bidder will be disqualified and not be evaluated any further;

8.1.1.1.1. Valid, attested proof of license issued by South African Health Products Regulatory Association (SAHPRA) as a manufacturer, distributor and/or wholesaler.

8.1.1.1.2 Valid and attested proof of registration and license with Radiation Control to import the model of the device or unit to be supplied under the bidder's name or letter of authorization from the license holder where the license is not in the name of the bidder.

8.1.1.1.3 Completed cost breakdown as per PRICE SCHEDULE OF THE EQUIPMENT OF YOUR CHOICE.

8.2.1.1. SECOUND STAGE: ADMINISTRATIVE COMPLIANCE

8.2.1.1.1. The **Free State Department of Health** has prescribed minimum administrative requirements that must be met by the bidders for this bid, in order for the former to accept the bid for evaluation. In this regard administrative compliance will be carried out to determine whether the bidder's bid comply in this regard.

8.2.1.1.2. Where the bidder fails to comply fully with any of the administrative bidding requirements below/under this bid or the **Free State Department of Health** is for any reason unable to verify whether administrative bidding requirements are fully complied with, the Free State Department of Health reserves the right, either to:

a). Reject the bid in question.

b). Give the bidder an opportunity to submit and/or supplement the information and/or documentation provided so as to achieve full compliance with the administrative bidding requirements, provided that such information/ documentation can be provided within the period that will be determined by the **Free State Department of Health** and such supplementary information/ documentation is only administrative and not substantive in nature.

c). Permit the bid to be evaluated, subject to the outstanding information and/or documentation being submitted prior to the award of the bid.

8.2.1.1.3 Bidders shall take note of the following guidelines:

8.2.1.1.4 The below administrative bidding requirements shall be complied with and required documents must be attached before consideration for further evaluation.

8.2.1.1.4.1 Bidders are required to submit the below documents to comply with the policy to guide uniformity in procurement reform processes in Government as per section 2 of Practice Note No 1 of 2003 regarding bid documentation for supply chain management.

8.2.1.1.4.2 .SBD 1 – Invitation form to bid.

8.2.1.1.4.3 Proof of Authority – This is a company resolution for the capacity under which this bid is signed as per SBD 1

8.2.1.1.4.4 SBD 4 – Bidders Disclosure

8.2.1.1.4.5 SBD 6.1 – Preference points claim form

8.2.1.1.4.6 Central Supplier Database – A Central Supplier Database report must be submitted.

8.2.1.1.4.7 Written Confirmation to disclose tax status – It is a requirement that bidders grant a written confirmation when submitting this bid response that SARS may on an ongoing basis during the tenure of the transversal contract disclose the bidder's tax compliance status and by submitting this bid such confirmation is deemed to have been granted.

8.2.1.1.4.8 Compliance certificate – SAHPRA

8.2.1.1.5 Failure to submit the documents above, even after being allowed to submit within the seven calendar days that have lapsed, will invalidate the bid.

8.2.1.3 THIRD STAGE: TECHNICAL EVALUATION

SECTION C:

TECHNICAL SPECIFICATIONS

	DESCRIPTION	PAGES
ITEM 1	Five [5] digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching. PELONOMI TERTIARY HOSPITAL : x3 UNIVERSITAS ACADEMIC HOSPITAL : X2	18-36
ITEM 2	Three [3] digital mobile x-ray units with height adjustable/retractable tube column and telescopic tube arm each with 24x30 cm wireless detector (x1) & 35x43 cm wireless detector (x1). PELONOMI TERTIARY HOSPITAL : x3	37-50

GLOSSARY FOR TECHNICAL SPECIFICATIONS

ITEMS	DEFINITIONS
AI	Artificial Intelligence
IEC 336	Commonly referred to as IEC 60336. A standard for medical electrical equipment that specifies the characteristics of x-ray tube focal spots for medical diagnosis, including how to measure and indicate their dimensions and related qualities.
IEC 633	Also called, IEC 60633. and IEC standard for terminology related to high voltage direct current (HVDC) power transmission systems.
UMDNS CODE	Universal Medical Device Nomenclature System A standard using a unique 5-digit code to identify different types of medical devices. The system facilitates the identification, tracking, communication of medical device data for purposes like inventory and regulatory control.
DETENT SYSTEM	For tube and image receptor movement and positioning at specific, fixed and repeatable locations, to maintain consistent source to image distance (SID)
Beta-phase	Items in stage of development, particularly software, where a product is released to a limited group of external users for real world testing before it is to be launched publicly.
warranty	Formal, contractual agreement to be included in the price.
gauge	To measure physical rotation and alignment of x-ray tube assembly rotation (in degrees)
Pixel Pitch	The distance between the centers of adjacent pixels, a smaller pitch results in higher resolution.
Image Area	The physical dimensions of the detector, specified in pixels and/or millimetres (e.g., 430.08 x 430.08 mm).
Cycle Time	The time it takes for the detector to complete a full scan and be ready for the next one.
A/D Conversion	The analog-to-digital converter's bit depth, which determines the range of grayscale values that can be captured (e.g., 16-bit).
Scintillator	The material (e.g., CsI) that converts incoming X-rays into light for the detector to process.
Detective Quantum Efficiency (DQE):	• Image quality: A measure of how effectively the detector converts incoming X-ray signals into a useful image. A higher DQE indicates better performance at a given X-ray dose.
Modulation Transfer Function (MTF):	A measure of the detector's ability to resolve fine details and maintain contrast. A higher MTF indicates better spatial resolution.
Maximum Load Weight:	The maximum weight the detector can withstand without damage, specified for both uniform and point loads.
IP Rating:	Ingress Protection rating, which indicates the level of protection against dust and water.
HOT SWAPPING	Ability to replace detectors batteries without turning off the detector itself.
CIDB	Construction Industry Development Board
SAHPRA	South African Health Products Regulatory Authority

SECTION B:

TECHNICAL SPECIFICATIONS

ITEM 1: BID SPECIFICATION FOR FIVE [5] DIGITAL CEILING SUSPENDED BUCKY X-RAY UNITS EACH WITH DUAL MOUNTED DETECTORS (X2) AND PORTABLE, WIRELESS FLAT PANEL DETECTOR (X1) FOR DIRECT IMAGING AND WITH DIGITAL STITCHING.

For Pelonomi Tertiary Hospital: x3 units

For Universitas Academic Hospital: x2 units

The units must of modern digital and manual capabilities technology with a track mounted x-ray tube that moves along a ceiling grid for positioning, providing flexibility and space saving capability under current production and should be licensed for sale by SAHPRA in the Southern African market by a recognised Supplier who can prove that the service, spares and application support. Support is to be available in South Africa so as to maintain the system at peak operating performance. The system offered must comply or exceed all the minimum performance specifications and with SAHPRA standards, for use in a high patient volume, trauma 24-hour environment as indicated below for the various sub-components and supported by factory supplied product specifications/brochures.

BIDDERS RESPONSE

All requirements are mandatory.

	DESCRIPTION	COMPLY	NOT COMPLY	Provide details of offer/ reference document/ comments
1.	**DIGITAL SYSTEM**			
1.1	An automatic and manually operated, digital, radiographic examination and evaluation imaging unit with a workstation based on detector technology with digital stitching software for high image dynamics and excellent signal/noise ratio is required used in a 24 hour trauma health care setting.			
1.2	Must have x2 fixed flat panel detectors.			
1.3	Must have x1 portable flat panel wireless detector.			
1.4	Must be both automated and manual			
1.5	Must have activated stitching software and accessories and active licences throughout the life of the unit.			
1.6	Must have a charging systems for digital portable, wireless flat panel detectors.			
1.7	Must have the SAHPRA required Quality assurance tools			
2.	**LIFESPAN OF THE EQUIPMENT**			

2.1	The Bidder must indicate the expected life of their offered unit and software in years.			
2.2	The bidder must specify the date of manufacture of make and model on offer.			
2.3	The bidder must specify the unit make and model installations in Southern Africa. Number of installations and attach documents.			
2.4	The bidder must specify the unit make and model installations in South Africa. Number of installations and attach documents.			
2.5	**UMDNS CODE (Universal Medical Device Nomenclature System).**			
2.6	**YEAR UNIT FIRST SOLD**			
2.7	**NUMBER OF UNITS OF OFFERED MODEL INSTALLED IN SOUTH AFRICA** Please attach a list of reference sites.			
2.8	**FDA CLEARANCE & CE MARK (ATTACH CERTIFICATE)**			
2.9	**REGISTRATION WITH NATIONAL DEPARTMENT OF HEALTH DIRCTORATE RADIATION CONTROL (SAHPRA)**			
2.10	Bidders must state the Radiation Control number of the make and model of the equipment offered. Because this type of equipment/apparatus appears on the schedule of Hazardous Substances, issued by the Directorate: Radiation Control of the Department of Health, a license in terms of the Act on Hazardous Substance (Act 15/1973) must be registered under the bidder's name or the letter of Joint Venture must be submitted by the License holder where the license is not in the name of the bidder.			
3.	**SAHPRA APPROVAL**			
3.1	Please attach a valid SAHPRA certificate.			
4.	**HIGH TENSION X-RAY GENERATOR/TYPE OF POWER SOURCE**			
4.1	Indicate maximum power at 100 kV according - to IEC601 (kW) +-50kw.			
4.2	Ambiance/temperature that which the unit is expected to function under.			
4.3	**Climate control requirements** that is required for the optimal and safe use of the unit. Specify the offer.			
4.4	Indicate generator performance data: kW mA at kV. Three phase. 12 pulse or constant potential generators. Should not be less than: 12kW at 100 kV.			
4.5	Minimum rated output power should be stated.			
4.6	Maximum switching frequency (f/s). State your offer.			
4.7	Nominal x-ray tube voltage (highest available kV shall be atleast at 120kV or more. State your offer.			
4.8	State mA/mAs range.			
4.9	State connection type. The system MUST be properly earthed.			
4.10	Maximum current must be stated.			
4.11	Dimensions of the generator cabinet - L x W x H in cm. Specify offer			
4.12	Weight of generator cabinet in kg, bidder to indicate.			
4.13	Automatic exposure techniques/programs must be available.			
4.14	Manual exposure techniques/programs must be available. Specify offer.			
4.15	Bidders to supply details of programming facility and the number of programs. Specify offer			
4.16	A monitoring and display of tube heat status must be provided. State your offer			
4.17	Tube overload protection mechanism must be provided. State your offer.			
4.18	Automatic mains compensation must be provided. State your offer.			

4.19	State mA values at: a) 70kV b) 80kV c) 100kV d) 125kv e) 150kV			
4.20	A selection of one point (kV), two point (kV and mAs and three point (kV and mAs and seconds) techniques shall be possible.			
4.21	The mAs integrator shall provide selection from 06mAs or less to 800mAsor greater. Specify your offer			
4.22	The exposure time from 0.1ms to 10s or greater shall be possible for kV/mAs technique and automatic exposure device. State your offer.			
4.23	Automatic exposure device shall be included.			
4.24	Full user-friendly anatomical programmed radiography shall be possible.			
4.25	Software must be of non-corruptible storage. Specify your offer /solution.			
4.26	Image Storage capacity on hard drive should not be less than 2TB. Specify your offer			
4.27	An auto delete function must be offered. Specify your offer.			
4.28	Micro-processor self-diagnostic function and overload with error code read out must be available. Specify your offer.			
4.29	Tube capacity monitoring in real time display must be offered. State your offer.			
4.30	The system must have tube capacity safety interlocking. Specify your offer			
4.31	The system must have cooling time prediction. Specify your offer.			
4.32	The system must have the capacity to generally stay powered on 24 hours a day for high volume 24 hours services. State your offer.			
4.33	The system should have stand by/idle mode when not in use. State your offer.			
4.34	State the tube duty cycle and cooling periods required, to avoid tube overheating. Specify your offer			
4.36	The system should have thermal over load protection mechanisms. State your offer			
5.	**EXPOSURE TIME**			
5.1	The shortest (total) exposure time shall be equal to or less than 10ms.			
5.2	Maximum exposure time should not be longer than 2.5s			
5.3	Shortest switching time with automatic exposure control (1 ms). 5ms or shorter.			
5.4	Shortest mAs product.			
5.5	Must use 1 mAs per step.			
5.6	The shortest reproducible exposure time (measured as time during which kV is 75% of selected value) shall be 5ms or shorter.			
6.	**ELECTRIC ENERGY RATING**			
6.1	Maximum nominal electric energy (total available energy for one single exposure|) at 100 kV and tube loading time not exceeding 2.5s shall be atleast 25kWs. Specify your offer.			
7.	**THE X-RAY TUBE.**			
7.1	**FOCAL SPOT**			
7.1.1	Dual focus spot sizes atleast one focus to be a maximum of 1mm.			
7.1.2	Small focus 0.6mm			
7.1.3	Large focus 1 mm			

8.	**ANODE**			
8.1	Anode heat storage capacity to be of high heat capacity for 24 hour high volume imaging to withstand high heat loading.			
8.2	Anode heat storage capacity to be of atleast 300kHU or better. State your offer (the higher the heat storage capacity will be considered).			
8.3	Rotating anode must be used.			
8.4	State Speed of rotating anode.			
8.5	Anode angle 12°			
8.6	State Anode material used.			
8.7	Real time monitoring of tube overload/automated. Specify your offer.			
8.8	State anode cooling rate offered.			
9.	**TUBE RATING**			
9.1	Tube rating to be compatible with the x-ray generator and specified.			
9.2	State tube assembly rating/total heat capacity of housing should be stated.			
10.	**TUBE FILTRATION**			
10.1	Minimum tube filtration for three phase (6 & 12 pulse) constant potential and high frequency : 2.5 mmAl			
10.2	Indicate whether added filtration is used. If available, state your offer			
11.	**COLLIMATOR**			
11.1	To be multi-leaf. State the material type.			
11.2	Include in-built DAP meter to send dose readings directly to DICOM header of image.			
11.3	Must be of robust construction. State material used.			
11.4	To be manually operated. Manual independent operation of collimator must be possible.			
11.5	Manual override capabilities of collimator.			
11.6	The collimator to maintain size on manual and digital collimation. Specify offer.			
11.7	Collimator must not auto shut on selection of anatomical, table or bucky movement or selection of settings.			
11.8	x-ray /light field coincidence to be within 2cm on the 43cmx43cm field at 100cm.			
11.9	Illumination/light type and Lux of light, LED or other. State your offer			
11.10	Illumination/light type and Lux of light, LED or other. State limitations in relation to replacement of globe.			
11.11	Collimator timer auto shut off.			
11.12	To have full field illumination.			
11.13	A rotating flange between the collimator and the tube must be supplied to provide diagonal collimation. State your offer.			
11.14	± 45° swivelling			
11.15	Y-axis ± 180 °			
11.16	X-axis ± 180 °			
11.17	Light localizer on/off switching			
11.18	Measuring tape (manual) as part of the collimator must be offered			
11.19	Automated, digital measuring tape. State your offer			
11.20	Should have a laser line localizer which can be used optionally.			
12.	**TUBE ASSEMBLY (TUBE COLUMN WITH A TABLE AND ERECT BUCKY)**			
12.1	Moving and ceiling mounted rail system is required.			

12.2	The unit shall have a ceiling suspended column for ceiling suspension of tube.			
12.3	Auto tracking where tube follows the image receptor of the height adjustable tables well as the vertical stand in vertical and tilted position must be included.			
12.4	Disabling of auto-tracking must be possible.			
12.5	There should be electromagnetic brakes. State your offer			
12.6	Vertical movement shall be atleast 1.5m. Specify your offer			
12.7	Longitudinal operating range shall be at ≥ 3.5m, Specify your offer			
12.8	Transverse operating range shall be at ≥ 3.5m, Specify your offer.			
12.9	Detent mechanism must be available for vertical and horizontal other angles including detent distance locking. Specify type			
12.10	Detent must be available for manual movement of tube at the following radiographic FFD markings 100cm, 105cm, 110cm, 150cm, 180cm.			
12.11	Angulation of local spot around horizontal axis 125° with lock detent position at 90°. Specify your offer			
12.12	State rotation of focal spot around vertical axis of column 360° with rotation stops and detent/lock positions.			
12.13	Centering should be motorised with detent			
12.14	Centering digitally must be available. State your offer.			
12.15	Centering should be fully manual with detent (manual option to be readily available)			
12.16	X-ray tube to always be aligned with the cassette/detector holder in a rigid and stable way, for centering of x-ray beam for precise and simple centering on the x-ray beam.			
12.17	The x-ray tube and detector holder shall be mounted in such a way that a recumbent patient can be examined with horizontal beam.			
12.18	Longitudinal movement of tube column: at least 150cm. (bidder to specify).			
12.19	Vertical movement of tube arm to be atleast 150cm from table top.			
12.20	Rotation of tube arm around its horizontal axis to be atleast from –90° to +90°			
12.21	Rotation of tube arm around its vertical axis to be atleast from –10° to +10°			
12.22	Brakes for tube assembly: mechanical and/or electromagnetic (kindly specify)			
12.23	FFD from the erect bucky should be atleast 180cm.			
12.24	FFD must be indicated for the table.			
12.25	FFD must be indicated for the erect bucky.			
12.26	Colour coded tube movement.			
12.27	Gauge must be installed to indicate tube assembly rotation (degrees)			
12.28	Controls for all tube movements should be clearly marked at tube handlebar, State your offer			
12.29	The unit shall have APR control with LCD display, duplicating generator settings and must be colour coded for ease of operation. State your offer.			
12.30	Multi planner movements controlled by electric lock/ detent system.			
12.31	Single button "release" of all electromagnetic stand to unlock all systems movements.			
12.32	Tube head to have handles and movement buttons (transverse, longitudinal, vertical, rotational, horizontal)			
12.33	Lock release switches for engaging/disengaging locks			
13.	**X-RAY EXAMINATION BUCKY TABLE**			
13.1	Floating table top			
13.2	Height adjustable and radiolucent.			
13.3	The table top shall be able to support a patient weighing at least 110 kg, sitting in the middle of the table, without appreciable distortion. (specify, your offer)			
13.4	Load capacity must be at least 220 kg. specify your offer			

13.5	Equivalent density of the table top should not be more than 1.5mmAl.			
13.6	Table top dimensions (cm) **bidder to specify.** ***PLEASE NOTE: THE MINIMUM REQUIRED ARE SAHPRA REQUIREMENTS.*** Minimum table width: 650mm (specify, your offer) Minimum table length : 2000mm (specify, your offer) Minimum table height: (table top to floor): 700mm (specify, your offer) Longitudinal movement: at least -600mm to +600mm. (specify, your offer) Lateral movement: atleast -120mm to +120mm(specify, your offer)			
13.7	Centre lock must be available			
13.8	Brakes: electromagnetic - (specify, your offer)			
13.9	Distance between the tabletop and the film plane shall not exceed 80mm (specify, your offer) .			
13.10	Must have a mechanism for controlling table movement. State your offer			
13.11	Table top must be radiolucent, scratch resistance and have fixation of table top rubber bumper. Specify your offer.			
13.12	Motorized height-adjustable table minimum height not less than 45cm and maximum height of not less than 90cm (specify your offer)			
13.13	Must come with a radiolucent, durable, non-tearable fluid and stain resistant mattress.			
13.14	Must include 250 radiolucent Mattress protectors			
13.15	Emergency button must be accessible and not be protruding outside the table frame range.			
13.16	Detector carriage with removable scattered radiation grid (specify, your offer)			
13.17	Control of the table functions via user-friendly footswitch (specify your offer)			
13.18	Collision protection of tabletop for downward and upward movement is required.			
13.19	The active image size of the detector shall be not less than 43cmx43cm.			
13.20	Image matrix size > 3000 pixels x 3000 pixels.			
13.21	The A/D conversion provides at least 14 bits /pixel. Specify your offer.			
13.22	Pixel size, 0.15 (150µm). specify your offer			
13.24	Image resolution .3.33ip/mm. specify your offer			
13.25	Sensitivity range, speed 200 to 800. State your offer			
13.26	Indicate if any additional cooling is required for the detector.			
13.27	Indicate if detector is able to withstand a 24 hour environment. State limitations.			
13.28	Grid type. Ie. oscillating or movable. Specify your offer			
13.29	Grid handle to be of robust industrial radiolucent material that can withstand high volumes of clinical work. Specify offer			
13.30	Removable grid with grid stand or holder (for safe keeping/minimize damage) is required			
13.31	The grid ratio shall be 10:1 or above, state the lines per cm to be used through the FFD range from 110cm up to a distance of 180cm. (specify your offer).			
14.	**ERECT BUCKY**			
14.1	Floor mounted			
14.2	The stand shall be movable and multi purposed to allow fast and efficient exposures as well as special angulations and direct horizontal imaging. specify your offer.			
14.3	Handles with up and down movement must be installed on each side/dual operations of the erect bucky with all the movement mechanisms/ buttons on both sides of the erect bucky to accommodate dynamic trauma imaging.			

14.4	Handles must be durable, industrial like , preferably of metal with easy grip mechanism.			
14.5	Handles must be of heavy duty nature – not screwed on in two parts.			
14.6	Handles must have ease of grip coating.			
14.7	Must have robust, heavy duty, light weight, removable lateral positioning stand, for both left and right.			
14.8	The lateral positioning stands must be with two height options for both left and right chest lateral imaging.			
14.9	Must have a stand for temporary storage/hanging mechanism for lateral positioning stand.			
14.10	Distance between the erect bucky column and image receptor must allow for imaging of bed patients. Specify your distance offer.			
14.11	Wall stand must have both manual and motorised/digital height setting capabilities tilting from -20° via vertical (0°) position to horizontal (+90°) position is required. Specify your offer.			
14.12	Minimum vertical movement +- 750mm to +- 1800 mm from the floor (specify, your offer).			
14.13	Minimum vertical movement when the tube is centred must be +- 50mm to +- 1800 mm from the floor (specify, your offer) .			
14.14	Detector tray to accommodate fixed detector of 43cmx43cm or more (specify, your offer)			
14.15	Motorized vertical movement of detector between predetermined positions shall be possible. ("move to position")			
14.16	Manual option vertical movement of detector between predetermined positions shall be possible.			
14.17	The unit shall have a digital permanently mounted flat panel detector for 43x43cm or above. Specify your offer			
14.18	The unit shall have an active image size of the detector of 43cm x43cm.			
14.19	The image matrix size :> 3000 pixels x3000 pixels.			
14.20	The active image size of the detector shall be 43cmx43cm.			
14.21	The A/D conversion provides at least 14 bits /pixel. Specify your offer.			
14.22	Pixel size , 0.15 (150µm). specify your offer			
14.23	Image resolution .3.33ip/mm. specify your offer			
14.24	Sensitivity range, speed 200 to 800. State your offer			
14.25	Indicate if any additional cooling is required for the detector.			
14.26	Indicate if detector is able to withstand ongoing use in a 24 hour environment. State limitations.			
14.27	Automatic exposure control, of atleast 3 field chambers to ensure correct dosage of any projection done. Specify offer			
14.28	Grid type. Ie. oscillating or movable. Specify your offer			
14.29	Focused anti-scatter grid(s) for both erect and supine bucky trays that is removable with robust material must be supplied.			
14.30	The grid ratio shall be 10:1 or above, state the lines per cm to be used through the FFD range from 110cm up to a distance of 180cm. (specify your offer).			
14.31	Radiolucent, robust, scratch and stain resistant, flat table top four wheel, locking, mobile, patient bed for imaging of shoot-through trauma and spinal procedures using erect bucky.			
14.32	Two step weight bearing foot platform with removable handles, lockable, compatible with unit with a deep groove for safe securing of detector for lateral orthopaedic studies.			
14.33	Robust, Detector cover for orthopaedic weight bearing studies. State limitations of kg of weight on detector.			

15.	**ANTI-SCATTER GRID FOR PORTABLE WIRELESS DETECTOR**			
15.1	**Must be included**			
15.2	**If not included, must have letter of SAHPRA permission.**			
15.3	Focused anti-scatter grid(s) for use with portable wireless flat panel detector that is removable from detector with robust material must be supplied.			
15.4	The grid must have a handle and lock the detector safely in place.			
15.5	Weight of grid.			
15.6	Weight of detector with grid to be stated.			
15.7	Minimum Grid ratio 10:1 (specify, your offer)			
15.8	Minimum Line density 35-60 (specify, your offer)			
15.9	Large enough to cover film/detector format of offered size.			
15.10	Grid must be large enough to cover 35cmx43cm offered.			
16.	**EXPOSURE SYSTEM – MOUNTED DETECTORS**			
16.1	The unit is to be provided with two (x2) fixed/mounted detectors of size 43cmx43cm or larger. One (x1) for erect bucky stand and one (x1) for supine bucky stand.			
16.2	Indicate type of cooling required.			
16.3	Indicate ability to withstand 24-hour clinical use. Specify limitations. Reference documents required.			
16.4	Detector material (specify, your offer)			
16.5	Detector permitted maximum uniform load weight (kg) (specify, your offer)			
16.6	Detector permitted maximum point load weight (kg) (specify, your offer)			
16.7	Detector weight (specify, your offer)			
16.8	Communication type (wired/wireless) (specify, your offer)			
16.9	Detector scintillator type (specify, your offer)			
16.10	Detector technology (specify, your offer)			
16.11	Detector pixel pitch: (specify, your offer)			
16.12	Detector pixel size: (specify, your offer)			
16.13	Detector pixel count: (specify, your offer)			
16.14	Detector Quantum Efficiency (DQE) to be high: (specify, your offer)			
16.15	Modulation transfer function (MTF): (specify, your offer)			
16.16	Detector cycle time: (specify, your offer)			
16.17	Detector image transfer time: (specify, your offer)			
16.18	Detector A/D conversion: (specify, your offer)			
16.19	Acquisition depth must at least be 12 bit			
16.20	Fill Factor: (specify, your offer)			
16.21	Required Power input (specify, your offer)			
16.22	Ingress Protection rating (IP): (specify, your offer)			
16.23	Detector active image area (specify, your offer)			
16.24	Exposure formats: should not be less than 43cm x 43cm.			
16.25	Automatic exposure detection, must be included.			
16.26	Specify the environmental limitations of the detectors, temperature, humidity, heat dissipation, fluid exposure.			
17.	**EXPOSURE SYSTEM – DIRECT IMAGING PORTABLE WIRELESS FLAT PANEL DETECTOR**			

17.1	The units should each be provided with a 35cmx43cm robust, mobile, lightweight, user-friendly, wireless flat panel detector each with a wall mounted detector holder for safe keeping when not in use.			
17.2	Life span of detector offered. State your offer.			
17.3	The detector must be interchangeable for use between x-ray rooms. Indicate your offer or limitations.			
17.4	A separate detector holder must be included for lateral shoot-through of acute, chronic and trauma imaging studies done on the supine bucky table, to safety secure the wireless detector in place without being hand held or supported by any structure such as a le patient mattress/must be fully self-supporting or fully table mounted and fully adjustable to various detector sizes and supporting of the wireless detector with and without a grid. Specify your offer			
17.5	Indicate type of cooling required.			
17.6	Indicate ability to withstand 24 hour clinical use. Specify limitations. Reference documents required. Specify your offer			
17.7	Detector material (specify, your offer)			
17.8	Detector permitted maximum uniform load weight (kg) (specify, your offer)			
17.9	Detector permitted maximum point load weight (kg) (specify, your offer)			
17.10	Detector weight with battery inserted (range not more than 3.5 kg) (specify, your offer)			
17.11	Communication type (wired/wireless) (specify, your offer)			
17.12	Detector scintillator type (specify, your offer)			
17.13	Detector technology (specify, your offer)			
17.14	Detector pixel pitch: (specify, your offer)			
17.15	Detector pixel size: (specify, your offer)			
17.16	Detector pixel count: (specify, your offer)			
17.17	Detector Quantum Efficiency (DQE): (specify, your offer)			
17.18	Modulation transfer function (MTF): (specify, your offer)			
17.19	Detector cycle time: (specify, your offer)			
17.20	Detector image transfer time: (specify, your offer)			
17.21	Detector A/D conversion: (specify, your offer)			
17.22	Fill Factor: (specify, your offer)			
17.23	Required Power input (specify, your offer)			
17.24	Ingress Protection rating (IP): (specify, your offer)			
17.25	Detector image area (specify, your offer)			
17.26	Exposure formats: should not be less than 35cm x 43cm.			
17.27	Automatic exposure detection, must be included.			
17.28	acquisition depth must at least be 12 bit			
17.29	Battery : operating time must not be less than 4 hours in active use. Specify your offer			
17.30	Battery : charging time should not be more than 2 hours, the shorter the charge time or better (specify, your offer)			
17.31	Battery supply x3 per detector, if battery is to be exchanged (specify, your offer)			
17.32	Battery charger : x1 per detector (specify, your offer)			
17.33	Battery Charger : state alternative charging options when charger is inactive and supply relevant cables as part of offer.			
17.34	Battery : indicate if hot- swapping if possible. (specify, your offer)			
17.35	Battery, charger if offered and all components must be replaceable during the lifetime of the unit. Specify all exclusions.			
17.36	Specify the environmental limitations of the detectors and batteries, temperature, humidity, heat dissipation, fluid exposure.			

17.37	Specify how detector must be protected from fluids and other environmental limitations.			
17.38	Dual position weight bearing DR panel holder for axial and lateral projections for trauma foot/ankle examinations to secure the detector panel during studies where patients dorsi-planar examinations are required.			
18.	**X-RAY GENERATOR CONSOLE, IMAGE PROCESSING & APPLICATIONS/EVALUATION PROGRAMS**			
18.1	**As per requirements of Office of Health Standards and Compliance (OHSC) and Ideal Hospital Standards, patient information confidentiality must be maintained. The generator console must be away from the public, behind a radiation protected panel to prevent pictures and patient information to be on display for the public. To only allow for the operator within an enclosed area to view images.**			
18.2	Touch screen console – not be glove sensitive/must be used with gloves on.			
18.3	Size : 19 inches and above. Specify your offer			
18.4	Allow for manual and automatic parameter settings			
18.5	It must be possible to enter patient data manually for emergencies or when the network is down.			
18.6	Monitor pixels must not be less than 2200x2600			
18.7	Monitor High-Resolution			
18.8	Complete standing or table top console. Specify offer			
18.9	DICOM compliant, compatible and activated.			
18.10	Patient data entering			
18.11	Enter data Manually			
18.12	Monitor must be flicker free and distortion free			
18.13	Colour screen			
18.14	On/ off switch			
18.15	kV selector			
18.16	mAs and/or mA selector			
18.17	Anode rotation			
18.18	Exposure switch to be mounted on control panel.			
18.19	Exposure switch must have allowance to extend the cord for exposure.			
18.20	Light or sound signal for generator READY status. Specify your offer.			
18.21	Indicate light or sound for actual exposure.			
18.22	Indicate light or sound for system error.			
18.23	Emergency stop button.			
18.24	RAM: 16 GB to 32 GB or better. Specify your offer			
18.25	Storage: 2 TB. Specify your offer.			
18.26	Automatically retrieve patient data via LAN and Wireless network			
18.27	Spatial resolution of not less than 2.5lp/mm. (specify, your offer)			
18.28	Storage matrix size not less than 2 TB: (specify, your offer)			
18.19	Number of images: store not less than 30 000 images			
18.20	Bit depth (grayscale): not less than 16 bits. (12-16)			
18.21	RAM storage capacity not less than 16 GB to 32 GB or better. State your offer			
18.22	State the operating system offered.			
18.23	The unit shall have the latest operating system and to be compatible to all systems in the department/facility.			
18.24	The time required to display image should be 3 seconds to 6 seconds or less is better. Specify your offer.			
18.25	Automatic detection of exposure area must be possible.			
18.26	Manual detection of exposure area must be possible.			
18.27	APR/APT-predefined anatomically specific processing sets must be included.			

18.28	Customizable processing sets			
18.29	Auto ranging (WL/WW)			
18.30	Manual ranging (WL/WW)			
18.31	Image rotation and mirroring			
18.32	Shutter tool. Retro-collimation facilities (shutter)			
18.33	Image storage on CD/DVD.			
18.34	Keyboard			
18.35	Mouse			
18.36	Integrated generator operation			
18.37	Menu control			
18.38	Organ program selection			
18.39	Window position/width			
18.40	Horizontal/vertical image mirroring			
18.41	Image rotation must be 360°			
18.42	Image flip capabilities			
18.43	Left/right, AP/PA marking			
18.44	Built-in and Configurable text annotation			
18.45	Filter selection			
18.46	Subtraction capabilities			
18.47	Not less than 4 x image zoom			
18.48	Windowing (centre/width)			
18.49	Paging forward and back.			
18.50	Multi-image display on the monitor (mosaic)			
18.51	Image documentation in the background			
18.52	Multi-tasking technique – specify offer			
18.53	Edge enhancement - bidder to state mechanism			
18.54	Noise suppression - bidder to state mechanism			
18.55	UPS should be of 3KVA or more, as per manufacturers requirement to maintain workstation and local storage running during a full system power down. Specify your offer. Include in bid price.			
18.56	UPS must be provided for image and database security during power failure, power instability/dips and fluctuations and must form part of warranty and service and maintenance plan			
18.57	State UPS power capacity			
18.58	State UPS input/output			
18.59	UPS battery backup time should be stated. Specify your offer			
18.60	State is any other Power surge protection mechanisms for the optimal life of the unit that must be included. If additional is required specify and include in offer.			
18.61	UPS should be of 3KVA or more, as per manufacturers requirement to maintain workstation and local storage running during a full system power down. Specify your offer. Include in bid price.			
19.	**SYSTEM INTERFACES**			
19.1	Should be a fully comprehensive DICOM compatible system			
19.2	Must be PACS/RIS and HIS compatible, fully.			
19.3	Must be able to be connected to any new PACS/RIS and HIS that is used by the Department of Health at no additional cost to the End User throughout the life of the unit offered			
19.4	DICOM STORAGE			
19.5	DICOM RETRIEVE			
19.6	DICOM TRANSMISSION			

19.7	DICOM PRINT			
19.8	DICOM WORKLIST FROM HIS AND RIS			
19.9	DICOM Basic worklist management-for loading of the acquisition modality's worklist from RIS server.			
19.10	DICOM greyscale standard display-software enabled relationship between digital images values and displayed luminance is based upon measurements and modules of human perception over a wide range of luminance as defined in the DICOM Standard part 14:Grey standard Display Function.			
19.11	DICOM MPPS-for notifying the RIS server about start and end of performed procedure steps.			
19.12	Interface DICOM: "Basic Print" – for printing of digital images and DICOM Print Editor for composing individual film layout =s and for advanced manual print adaptations. The system must be linked to the dry laser printer.			
19.13	Interface DICOM: "Modality Worklist"			
19.14	Interface DICOM: "Send as SCU"			
19.15	Please submit a copy of the "Conformance Statement" for all DICOM interfaces			
19.16	The system must be capable of receiving patient data from the RIS/HIS and provide output to the PACS, printer, local CD or DVD and USB.			
19.17	It should be possible to send images to more than one viewing station automatic and manual.			
19.18	Must be DICOM 3.0 compliant. For patient information protection.			
20.	**SITE REQUIREMENTS**			
20.1	**As per requirements of Office of Health Standards and Compliance (OHSC) and Ideal Hospital Standards, patient information confidentiality must be maintained. The generator console must be away from the public, behind a radiation protected panel to prevent pictures, prevent patient information to be on display for the public. To only allow for the operator within an enclosed area to view images.** The bidder is to ensure room renovations conform to patient and information requirements.			
20.2	The bidder must inspect the proposed installation site for complete site evaluation and compliance with SAHPRA room layout standards.			
20.3	The control panel and console area must be fully protected from the public. Patient information must be adequately accommodated by the room design.			
20.4	The bidder will be requested to provide room layout drawings and siting requirements.			
20.5	The unit must be installed to full functionally, no limitations due to poor planning will be accommodated. Cost of limitations related to full functioning of unit will be at bidders cost.			
20.6	Air-cooling requirements/air-conditioner/ventilation to be stated and included, bidder is to specify.			
20.7	Bidder is to appoint a contractor that is CIDB accredited for room renovations. Attach documents.			
20.8	Power requirements to be stated and included.			
20.9	UPS to be included for control console and must last for at least 30 minutes while fully operational - state support time of UPS.			
20.10	State additional mechanism to protect unit from all types of power fluctuations to ensure warranty. Specify and include in offer.			
20.11	Additional power requirements based on onsite visit to ensure warranty and upkeep of unit through life span to be stated and included. If no additional, state on offer.			
20.12	Generator capacity requirements to be stated (Bidder to specify).			

20.13	Site layout requirements to be stated, as per SAHPRA requirements.			
20.14	Generator console must be planned for full patient information privacy.			
20.15	**Safety File** and **OHS safety requirements** of a project must be included in the Bid Price.			
20.16	A **Project Plan** with projected timelines and safety requirements must be included.			
21.	**PATIENT AND STAFF SAFETY RADIATION REQUIREMENTS**			
21.1	All SAHPRA required radiation safety signage without bidder logo, must be permanently placed at entrance of x-ray room. Using 3 common languages of the area (English, Sesotho, Afrikaans). Enlarged signage for visually impaired and for South African sign language Users to be included.			
22.	**AI CAPABILITIES**			
22.1	Bidder is to state and define standard AI capabilities that feature standard with the model. Specify offer.			
22.2	Bidder is to state and define additional AI capabilities that feature with the model and itemise the price.			
22.3	Bidder is to state and define additional radiation safety AI capabilities that feature with the model.			
22.4	Bidder is to state additional paediatric friendly AI features to enhance patient experience and safety.			
23.	**SOFTWARE AND HARDWARE UPGRADES AND UPDATES**			
23.1	Indicate if the hardware and software of the unit supplied is upgradeable when unit has reached end of life. Specify.			
23.2	All future updates, and removal of viruses where applicable, involving patient safety must be offered throughout the life of the unit at no additional cost. Any software upgrade, where applicable, before or after installation if the equipment must be brought to the attention of the Manager and Health Technology Services.			
24.	**USER MANUAL**			
24.1	The bidder must include in their offer at no extra cost to the final bid price: (a) Complete user Operation/Maintenance Manuals x2 (two) Book/File and CD/DVC copies in English Language . (b) Complete **ORIGINAL** Service/Repair Manuals x 2 (two) Book/File and CD/DVD copies in English Language which **MUST** include the following information: (i) Fault Finding Guide (ii) Circuit Diagrams/Schematics (iii) Circuit Descriptions (iv) PCB Layouts (v) Calibration Guide (vi) Part numbers and exploded diagram of mechanical parts/panels The offer submitted must be supported by descriptive literature, colour pamphlets, colour brochures and technical data sheets applicable to the offer. (vii) Service and contact centre information			

24.2	The bidder must provide company service and maintenance schedule/period for the warranty period.			
24.3	The bidder must provide company service and maintenance annual schedule/period for the life of the unit.			
25.	**END USER TRAINING**			
25.1	End User training must be provided by the successful bidder on the operation of the unit at no extra cost; As follows; PACS administrator: 2 working days Radiographers: All Radiographers – 7 working days Medical Physicist and Quality Radiographers: - 2 days 1st time Follow up after 1 month from date of commissioning: 2 working days Follow up after 3 months on the 1st round of QC testing. Follow up of 2 days each after 6 months, 9 months, 12 months intervals, onsite. Follow up training must be available on request by End User.			
25.2	Application specialist should train **all users** on an on-going basis throughout the contract period at no additional cost.			
26.	**QUALITY ASSURANCE COMPLIANCE TOOLS**			
26.1	All QA software and relevant tools need to be listed and included for the whole system in the total bid price. Specify offer based on SAHPRA and manufacturer requirements			
26.2	QC software measurements and reject analysis protocols			
26.3	A set of QC tools (copper filter/plate, aluminium plate/filter and X1 Ansi Phantom is to be included as per manufacturers requirements and SAHPRA requirements). To include as compulsory accessory per hospital.			
27.	**LICENSES**			
27.1	All Licenses required for full operation of the unit must be included in the bid price.			
28.	**DIGITAL STITCHING**			
28.1	Comprehensive motorised, digital tomographic stitching must be fully functional and included. For full erect and supine, spine and long bone studies, and shall perform angles and measurements of scoliosis and long bone studies on acquisition console. State offer.			
28.2	Auto-positioning			
28.3	Tomographic angled tracking. Specify your offer			
28.4	Synchronized, motorized movement between detector and x-ray tube must be possible.			
28.5	The unit must come with a mobile erect mobile, digital stitching stand with integrated, radiopaque cm and mm marked ruler, foot stand and arm rests with back support for all ages and height of patients. Specify your offer.			
28.6	The erect mobile, digital stitching stand, must be radiolucent. Specify Offer			
28.7	The erect mobile, digital stitching stand must be easy to move. Light weight and wheels sturdy and lockable in place. Specify Offer.			

28.8	The erect mobile, digital stitching stand must specify weight limitations. Specify offer			
28.9	Must include separate 100cm Perspex ruler with metallic radio-opague cm and mm markings for supine studies.			
28.10	Indicate accessories required for supine digital stitching procedures. Specify and include in bid price.			
28.11	Indicate accessories required for erect digital stitching procedures. Specify and include in bid price.			
29.	**GENERAL TECHNICAL AND SAFETY SPECIFICATIONS**			
29.1	The unit must comply with an acceptable international electric safety standards such as IEC601-1 and 601-1-2 for the medical equipment, attached certification.			
29.2	System must comply to ISO 900 and ISO 13458 standards, attach proof of compliance.			
29.3	**Hazardous Substances Act**: If this type of equipment / apparatus appears on the schedule of Hazardous Substances issued by the Directorate: Health Technology of the Department of Health, a license registered under the bidders name in terms of the Act on Hazardous Substances (Act 15/1973) must be submitted with the bid.			
29.4	All electrical/electronic medical equipment must be licensed by **Radiation Control**, a copy of the license must be submitted.			
29.5	The mains cable of the unit being quoted for must be 15 amp, 3 prong hospital grade type. **NB the mains cable of the unit must be SABS colour coded.**			
29.6	The equipment quoted must be protected against electromagnetic interference.			
29.7	The bidder must be prepared to provide a presentation for technical evaluation (at technical evaluation stage) and clinical assessment on request.			
29.8	Spare parts must be guaranteed available for the specified life of the equipment, with a minimum of 10 years.			
29.9	Supply reference list of machines currently in Government of Non-Government institutions in South Africa.			
29.10	The bidder must guarantee that no additional equipment, parts or software and licenses, consumables, will be required for the successful operation of the equipment quoted. The unit must fully operational at the time of commissioning. A starter pack of all essential accessories must be supplied so that the unit can be put into immediate operation. The cost of all parts, required for the full functioning of the unit and the starter pack must be included in the bid price.			
29.11	Optional accessories must be quoted for separately.			
29.12	No part shall be second hand or refurbished.			
29.13	Tender price to include supply, delivery, configuration, installation, decommissioning and commissioning, with a 24 months warranty and training programme. Acceptance and warranty of the equipment will only take place after commissioning of the equipment.			
29.14	Bidders must supply a 24 months warranty and lifetime guarantee against poor workmanship and latent defects and parts. This must be a full, all-inclusive warranty and must also include quality checks and quality assurance tests, required calibrations, software and anti-virus updates and upgrades. All exclusions related to a warranty must be specified, defined and stated in the bid offer. All exclusions related to a service and maintenance period must be specified, defined and stated in the bid offer.			

29.15	The delivery period must be stated by the bidder, on the document, for after date of order being received.			
29.16	The successful bidder must arrange for and provide acceptance test of the equipment. A copy of the acceptance test must be forwarded to the Clinical Manager of Pelonomi Tertiary Hospital.			
29.17	Software changes to the equipment which are corrective in nature and initiated due to software errors, regulatory requirements, manufacturer requirements or safety reasons, shall be delivered and installed at no charge for the entire life of the equipment.			
29.18	Bidders must have an established service and repair facility. If the service is sub contracted to a local agent, a signed copy of the letter of appointment and acceptance must be submitted with the bid.			
29.19	Supply the name, physical address and telephone number/s and email address of the service department.			
29.20	Technicians must be qualified and factory equivalent trained to deal with service, repair and calibration of the equipment quoted on. **NB Certified copies of qualifications** (or equivalent) training must be submitted with this bid.			
29.21	The bidder must state how many technicians they have permanently employed and the Curriculum Vitae to be attached.			
29.22	State if the technicians are in direct employ of the bidder.			
29.23	If the equipment is taken away for repairs during the warranty period, a loan set must be supplied for use by the institution. (Bidder to specify)			
29.24	The up-time of the unit must be better than 98%, excluding scheduled preventative maintenance and software upgrades, measure on a quarterly basis. The percentage lower than 98% will be added to the warranty period. A sliding scale penalty clause will form part if the service contract. This will result in the maintenance payment being reduced by a pro rata amount that the up-time is less than 98%.			
29.25	Up-time is defined as follows: 24.7, i.e. 564 days times 24 hours = 8760 hours. A down time of 25 relates to 175 hours per annum.			
30.	**WARRANTY AND TECHNICAL SUPPORT AND MAINTENANCE**			
30.1	Bidders must supply the type of technical support to be provided with the unit. Ie. remote technical support. Ie. physical technical support.			
30.2	Bidders must supply a separate 5 years, all inclusive, fully comprehensive preventative maintenance, service repair plan covering all equipment, hardware and software. The bidder must provide a fully costed COMPREHENSIVE MAINTENANCE AND SERVICE AGREEMENT. This contract must cover, but not be limited to the following: ALL PARTS (including, where appropriate, consumables, x-ray tubes and other glassware), labour, traveling and accommodation, quality control and quality checks, service and maintenance. The five year all-inclusive maintenance plan is an extended comprehensive maintenance plan and is to be quoted as of the completion of the 24 month warranty period and must also include all quality checks and quality assurance requirements. Including all required calibrations, software updates, anti-virus and upgrades to be included. Bidders **must comprehensively define** and indicate all exclusions on the comprehensive maintenance plan. **(NB: Provide separate quote from the bid price).**			
31.	**SCHEDULE OF OPTIONAL ACCESSORIES**			
31.1	Bidders must quote the price of the optional accessories not requested and items listed as well as any other accessories that may be useful to the end users. The			

	receiving institutions may purchase individual accessories necessary for their particular institution for the period of 36 months from date of validity of the once-off contract. **(NB: Provide separate quote from the bid price).**			
32.	**BIDDER REQUIREMENTS**			
32.1	The bidder is to supply a guarantee from the original supplier of the equipment that all parts used are compatible with the equipment. For this reason, bidders must provide proof from the original suppliers of the equipment that the original supplier is willing to supply parts used by the bidder. This must be clearly marked **"Annexure A"** and attached to the bid document. Failure to submit the document will invalidate the offer.			
32.2	Bidders must furnish names including telephone numbers and email addresses of customers where similar equipment has been serviced or repaired and state how long the equipment has been serviced. It is the intention of the Free State Department of Health to request references from such customers to establish the bidder's bona-fides. This must be clearly marked "**Annexure B**" and attached to the bid document. Failure to submit the document will invalidate the offer.			
32.3	The bidder must provide a table of names, relevant qualifications, experience and capacity of all people and their roles, including the application specialist, with certified copies of relevant qualifications related to the training on equipment offered that will be directly involved in the training and service and repairing of the equipment. This must be clearly marked **"Annexure C"** and attached to the bid document. Failure to submit the document will invalidate the offer.			
32.4	The bidder shall provide at "**Annexure D",** a table of names, relevant qualifications, experience and capacity of all people and their roles, including certified copies of relevant qualifications, that will be directly involved in this project. Failure to submit the document will invalidate the offer.			
32.5	The bidder is required to supply a complete implementation plan, that will include a project diagram with a list of activities showing starting and completion time frames, project meeting timelines (milestones), cash flow, resources and the deliverables. This information to be attached as "**Annexure E",** and the approved plan with dates will be issued to Pelonomi Tertiary Hospital and Universitas Academic Hospital on the date of issuing of an order. Failure to submit the document will invalidate the offer.			
32.6	The bidder, for room preparation done onsite must follow all regulatory guidelines of registration with Construction Industry Development Board (CIDB) according to the established Construction Industry Development Board Act 38 of 2000 and the builder's registration documents that must be attached as an **"ANNEXURE F".** Failure to submit the document will invalidate the offer.			
32.7	The supplier must provide what is considered as negligence in relation to the equipment and accessories supplied which must be listed and clearly outlined as an **"Annexure G".**			
32.8	Bidders shall indicate as an **"ANNEXURE H"** whether: - A remote support/diagnostic facility is available, how it would be carried out at no cost to the facilities. Patient information, cyber-security and anti-hacking mechanisms/responsibilities of bidder. Local diagnostic, fault finding and aids for trouble shooting are supplied. Repair and technical support facilities are available in the Free-State area. The turnaround time for spare parts imported from outside the South Africa.			

	New releases and updates of the system must be supplied. Bidders shall indicate the costs associated with the installation of new releases and updates of software where applicable. Failure to submit the document will invalidate the offer.			

PRICING SCHEDULE
OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE.

ITEM 1: Three (3) Digital Ceiling Suspended Bucky X-ray Units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching. **PELONOMI TERTIARY HOSPITAL**	
ALL INCLUSIVE PRICE INCLUDING SUPPLY, DELIVERY, CONFIGURATION, INSTALLATION, DECOMMISSIONING, INSTALLATION, RADIATION COMPLIANCE AND MONITORING EQUIPMENT, POWER SUPPLY, LICENSED STITCHING SOFTWARE, TRAINING, AI AND ALL OTHER STANDARD ITEMS AND ESSENTIAL ACCESSORIES LISTED IN SPECIFICATIONS. (Attach a breakdown).	**R**
OPTIONAL ACCESSORIES: (ATTACH ADDENDUM) with itemised pricing.	**R**
BUILDING ALTERATIONS AND ROOM RENOVATIONS: (ATTACH ADDENDUM OF BILL OF QUANTITIES) with itemised pricing.	**R**
ALL-INCLUSIVE OPTIONAL FULL COMPREHENSIVE SERVICE AND PREVENTATIVE MAINTENANCE AGREEMENT WITH QUALITY ASSURANCE WHICH WILL BE IN EFFECT FROM DATE OF END OF 24 MONTH WARRANTY;	**R**
Year 1	**Warranty**
Year 2	**Warranty**
Year 3	**R**
Year 4	**R**
Year 5	**R**
Year 6	**R**
Year 7	**R**
TOTAL BID PRICE INCLUSIVE OF VAT **(Equipment, Essential Accessories, Optional accessories and All Inclusive Full Comprehensive Maintenance Plan)**	**R**

NB: Bidder must attach detailed breakdown of the total bid price.

PRICING SCHEDULE
OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE.

ITEM 1: Two [2] Digital Ceiling Suspended Bucky X-ray Units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching. **UNIVERISITAS ACADEMIC HOSPITAL**	
ALL INCLUSIVE PRICE INCLUDING SUPPLY, DELIVERY, CONFIGURATION, INSTALLATION, DECOMMISSIONING, INSTALLATION, RADIATION COMPLIANCE AND MONITORING EQUIPMENT, POWER SUPPLY, LICENSED STITCHING SOFTWARE, TRAINING, AI AND ALL OTHER STANDARD ITEMS AND ESSENTIAL ACCESSORIES LISTED IN SPECIFICATIONS. (Attach a breakdown).	**R**
OPTIONAL ACCESSORIES: (ATTACH ADDENDUM) with itemised pricing.	**R**
BUILDING ALTERATIONS AND ROOM RENOVATIONS: (ATTACH ADDENDUM OF BILL OF QUANTITIES) with itemised pricing.	**R**
ALL-INCLUSIVE OPTIONAL FULL COMPREHENSIVE SERVICE AND PREVENTATIVE MAINTENANCE AGREEMENT WITH QUALITY ASSURANCE WHICH WILL BE IN EFFECT FROM DATE OF END OF 24 MONTH WARRANTY;	**R**
Year 1	**Warranty**
Year 2	**Warranty**
Service and maintenance	
Year 3	**R**
Year 4	**R**
Year 5	**R**
Year 6	**R**
Year 7	**R**
TOTAL BID PRICE INCLUSIVE OF VAT **(Equipment, Essential Accessories, Optional accessories and All Inclusive Full Comprehensive Maintenance Plan)**	**R**

ITEM 2: BID SPECIFICATION FOR THREE [3] DIGITAL MOBILE X-RAY UNITS WITH HEIGHT ADJUSTABLE/RETRACTABLE TUBE COLUMN AND TELESCOPIC TUBE ARM EACH WITH 24X30 CM WIRELESS DETECTOR (X1) & 35X43 CM WIRELESS DETECTOR (X1).

PELONOMI TERTIARY HOSPITAL

The Digital mobile x-ray units each with wireless 24x30cm (x1 EACH) & 35x43cm detectors (x1 EACH). For direct imaging on offer must be of modern digital technology of a compact nature with an adjustable tube column head for ease of access to all wards and use in paediatric and neonatal wards and for examination of adults in ICU, trauma environments which should provide flexibility and space saving capability, under current production and should be licensed for sale in the Southern African market by a recognised Supplier who can prove that the service, spares and application support is available in Africa so as to maintain the system at peak operating performance. The system offered must comply or exceed all the minimum performance specifications as indicated and with SAHPRA standards below for the various sub-components and supported by factory supplied product specifications/brochures.

BIDDERS RESPONSE

All requirements are mandatory.

	DESCRIPTION	COMPLY	NOT COMPLY	PROVIDE DETAILS OF OFFER/ REFERENCE DOCUMENT/ COMMENTS
1.	**DIGITAL SYSTEM**			
1.1	An automatic with manual, digital, mobile radiographic examination and evaluation unit with an integrated workstation based on detector technology for high image dynamics and with excellent signal/noise ratio is required for use in a dynamic 24 hours healthcare environment where neonatal, paediatric, adult, ICU, trauma and medical cases are referred.			
1.2	Must have x2 wireless digital flat panel detectors. 35cmx43cm & 24x30cm			
1.3	Must be both automated and manual.			
1.4	Must have a grid and detector holder.			
1.5	Must have charging systems for digital flat panel detectors.			
1.6	Must have the required Quality assurance tools.			
2.	**LIFESPAN OF THE EQUIPMENT**			
2.1	The Bidder must indicate the expected life of their offered unit and software in years.			
2.2	The bidder must specify the date of manufacture of make and model on offer.			
2.3	The bidder must specify the unit make and model installations in Southern Africa. Number of installations and attach documents.			
2.4	**UMDNS CODE (Universal Medical Device Nomenclature System).**			
2.5	**YEAR UNIT FIRST SOLD**			
2.6	**NUMBER OF UNITS OF THAT MODEL INSTALLED IN SOUTH AFRICA** Please attach a list of reference sites.			

2.7	**FDA CLEARANCE & CE MARK (ATTACH CERTIFICATE)**			
2.8	**REGISTRATION WITH NATIONAL DEPARTMENT OF HEALTH DIRCTORATE RADIATION CONTROL**			
2.9	Bidders must state the Radiation Control number of the make and model of the equipment offered. If this type of equipment/apparatus appears on the schedule of Hazardous Substances, issued by the Directorate: Radiation Control of the Department of Health, a license in terms of the Act on Hazardous Substance (Act 15/1973) must be registered under the bidder's name or the letter of Joint Venture must be submitted by the License holder where the license is not in the name of the bidder.			
3.	**SAHPRA APPROVAL**			
3.1	Please attach a valid SAHPRA certificate.			
4.	**TYPE OF POWER SOURCE**			
4.1	Must have dual power source, battery power and electrical power source.			
5.	**TECHNICAL SPECIFICATIONS**			
5.1	The unit must be a light weight compact system and easy to manoeuvre in small spaces for high volume paediatric, neonatal and adult, trauma and medical bedside imaging. (bidder to specify)			
5.2	The unit must have a built-in battery for motion, that is fully operational for minimum 6 hours after a single full charge. (bidder to specify)			
5.3	The unit must be able to withstand automatic, safe and smooth uphill movements. Specify your offer			
5.4	Weight of unit in kg, bidder to indicate.			
5.5	The unit must be able to do not less than 200 exposures per full charge. (bidder to specify).			
5.6	The unit must have a wheel lock function. (specify your offer)			
5.7	The unit must have compliant height adjustable/telescopic, lockable tube column for entry into standard door heights and lower/shorter door heights. (specify your offer)			
5.8	The unit must be able to hang x2 lead aprons vertically			
5.9	The unit must have electro-magnetic locks for tube and collimators.			
5.10	Length of battery charge of unit must be indicated by the bidder. (bidder to specify)			
5.11	Retractable charging cable of minimum 1.5m length			
6.	**X-RAY GENERATOR/TYPE OF POWER SOURCE**			
6.1	State maximum power at 100 kV according - to IEC601 (kW) +-50kw.			
6.2	Unit should be at 50kW or higher.			
6.3	Bidder to state output power range.			
6.4	The system must be single phase (230 V) system, with an electrical surge protector.			
6.5	Minimum rated output power should be at least 32 kW at 100kV.			
6.6	Maximum switching frequency (f/s) bidder to state.			
6.7	Minimum Tube voltage to be specified.			
6.8	Maximum Tube voltage of more than 120kV or equal to 150kV. Specify offer			
6.9	Nominal x-ray tube voltage (highest available kV shall be atleast at 120kV			
6.10	State mA/mAs range			
6.11	State connection type. The system MUST be properly earthed.			
6.12	Maximum current must be stated.			
6.13	Automatic exposure techniques/programs must be available.			

6.14	Manual exposure techniques/programs must be available.			
6.15	Bidders to supply details of programming facility and the number of programs. Specify offer			
6.16	A monitoring and display of tube heat status must be provided.			
6.17	Tube overload protection mechanism must be provided.			
6.18	Automatic mains compensation must be provided.			
6.19	State mA values at: a) 40kV b) 60kV f) 70kV g) 80kV h) 100kV i) 125kv			
6.20	A selection of one point (kV), two point (kV and mAs and three point (kV and mA sans seconds) techniques shall be possible.			
6.21	The mAs integrator shall provide selection from 0.6mAs or less to 800mAs or greater. Specify your offer			
6.22	The exposure time from 0.1ms to 10s or greater shall be possible for kV/mAs technique and automatic exposure device. State your offer.			
6.23	Automatic exposure device shall be included.			
6.24	Minimum exposure time to be specified.			
6.25	kV range must be from 40 kV (minimum) to at least 150 kV (bidder to specify)			
6.26	At 60 kV the unit must be able to give at least 320 mA.			
6.27	Full user-friendly anatomical programmed radiography shall be possible.			
6.28	Software must be of non-corruptible storage. Specify your offer /solution.			
6.29	Image Storage capacity on hard drive should not be less than 1TB. Specify your offer			
6.30	An auto delete function must be offered. Specify your offer.			
6.31	Micro-processor self-diagnostic function and overload with error code read out must be available. Specify your offer.			
6.32	Tube capacity monitoring in real time display must be offered. State your offer.			
6.33	The system must have tube capacity safety interlocking. Specify your offer			
6.34	The system must have cooling time prediction. Specify your offer.			
6.35	The system should have stand by/idle mode when not in use. State your offer.			
6.36	The system should have thermal over load protection mechanisms. State your offer			
6.37	Indicate if the system has collision sensors			
6.38	Dimensions of the unit when in stationery mode - L x W x H in cm bidder to indicate.			
6.39	Dimensions of the unit when in use, tube head in situ - L x W x H in cm bidder to indicate.			
6.40	Automatic overload protection must be standard on the generator with error code readout.			
6.41	Automatic mains compensation must be standard on the system (State the tolerance of mains power fluctuation permissible on the system).			
6.42	Indicate if the system required continuous charging. State your offer			
6.43	Integrated UPS for power surge protection while charging (bidder to specify protection during power outages/interruptions /fluctuations)			
6.44	State UPS power capacity			
6.45	State UPS input/output			
6.46	UPS battery backup time should be stated. Specify your offer			

6.47	Indicate if there is any other power protection requirements for safe use of the unit, maintenance/prevent loss of patient information and to ensure unit is not corrupted. State your offer. Include in the bid price.			
6.48	Indicate if the unit has retractable extension cord.			
6.49	Include x4 network cables for image acquisition and image transfer.			
6.50	Indicate backup image acquisition and image transfer mechanisms and include in offer			
7.	**EXPOSURE TIME**			
7.1	The shortest (total) exposure time during which the kV shall be equal to or less than 10ms.			
7.2	Maximum exposure time should not be longer than 2.5s			
7.3	Shortest switching time with automatic exposure control (1 ms). 5ms or shorter.			
7.4	Shortest mAs product.			
7.5	Must use 1 mAs per step.			
7.6	The shortest reproducible exposure time (measured as time during which kV is 75% of selected value) shall be 5ms or shorter.			
8.	**ELECTRIC ENERGY RATING**			
8.1	Maximum nominal electric energy (total available energy for one single exposure|) at 100 kV and tube loading time not exceeding 2.5s shall be atleast 25kWs – Specify your offer.			
9.	**THE X-RAY TUBE.**			
9.1	**FOCAL SPOT**			
9.1.1	Dual focus spot sizes atleast one focus to be a maximum of 1mm.			
9.1.2	Small focus 0.6mm			
9.1.3	Large focus 1 mm			
9.2	**ANODE**			
9.2.1	Anode heat storage capacity to be of high heat capacity for 24 hour high volume imaging to withstand high heat loading.			
9.2.2	Anode heat storage capacity to be of atleast 300kHU or better. State your offer (the higher the heat storage capacity will be considered).			
9.2.3	Rotating anode must be used.			
9.2.4	State Speed of rotating anode			
9.2.5	Anode angle 12°			
9.2.6	State Anode material used.			
9.2.7	Real time monitoring of tube overload/automated. Specify your offer.			
9.2.8	State anode cooling rate offered.			
9.3	**TUBE RATING**			
9.3.1	Tube rating to be compatible with the x-ray generator and specified.			
9.3.2	State tube assembly rating/total heat capacity of housing should be stated.			
9.4	**TUBE FILTRATION**			
9.4.1	Minimum tube filtration for single phase constant potential and high frequency : 3.5 mmAl (specify your offer)			
9.4.2	Indicate whether added filtration is used. If available, state your offer			

9.5	**COLLIMATOR**			
9.5.1	To be multi-leaf			
9.5.2	Collimator switch on light must be on the collimator and on the control panel for ease of use. Specify your offer			
9.5.3	Must be of robust construction. State material used.			
9.5.4	To be manually operated. Manual independent operation of collimator must be possible,			
9.5.5	State, if there is an option for digital selection of collimator and if over-ridable.			
9.5.6	The collimator to maintain size on manual collimation. Specify offer			
9.5.7	Collimator must not auto shut on selection of anatomical, table or bucky movement or selection of settings.			
9.5.8	x-ray /light field coincidence to be within 2cm on the 43cmx43cm field at 100cm.			
9.5.8	State the illumination/light type, LED or other. LUX must be SAHPRA compliant.			
9.5.9	State if the collimator timer auto shut off.			
9.5.10	To have full field illumination.			
9.5.11	A rotating flange between the collimator and the tube must be supplied to provide diagonal collimation.			
9.5.12	± 45° swivelling			
9.5.13	Y-axis ± 180 ° or more			
9.5.14	X-axis ± 180 ° or more			
10.	**TUBE ASSEMBLY**			
10.1	There should be electromagnetic brakes on the retractable tube column. If not offered, state your offer			
10.2	Longitudinal movement of tube column: at least 150cm. (bidder to specify).			
10.3	Vertical movement of tube arm to be atleast 150cm from table top.			
10.4	Rotation of tube arm around its horizontal axis to be atleast from –90° to +90°			
10.5	Rotation of tube arm around its vertical axis to be atleast from –10° to +10°			
10.6	Rotation of tube assembly should be around +-90° to +-120° or more. Specify your offer.			
10.7	Brakes for tube assembly: mechanical and/or electromagnetic (kindly specify)			
10.8	Gauge must be installed to indicate tube assembly rotation (degrees)			
10.9	The equipment to be locked in position at each marked and unmarked FFD.			
10.10	Controls for all tube movements should be clearly marked at tube handlebar, State your offer			
10.11	The unit shall have APR control with LCD display, duplicating generator settings and must be colour coded for ease of operation.			
10.12	Multi planner movements controlled by electric lock/ detent system. Specify your offer.			
10.13	Single button "release" of all electromagnetic stand to unlock all systems movements. All free" lock control buttons on the collimator handle must be available for fast positioning, including the Film Focus Distance (FFD) setting, tube rotation, extension and contraction of the cross-arm.			
10.14	The unit's focus to floor distance should at least be 2000 mm. (bidder to specify)			
10.15	The unit must easily pass through a standard doorway, as per findings of the onsite visit.			
10.16	The unit must have a fully height adjustable/foldable tube column.			
10.17	The unit must have lock system for positioning of tube column in all positions, horizontal beam, vertical beam and angulated beam imaging.			
10.18	Large sturdy wheels should be incorporated.			
10.19	Unit to be able to go uphill without physical manoeuvre. Specify incline angle limit.			

10.20	The unit should have a tube storage compartment in front of the control panel for safe transport. Specify your offer.			
10.21	The unit must have brake and pull back mechanism for the extension electric cable which should be away from the console. State your offer			
10.22	The unit must have x2 hooks for lead apron vertical storage in idle state.			
10.23	The unit must have storage for Personal Protective Equipment (PPE), ie. gloves.			
10.24	The unit must have exposure button storage.			
10.25	The unit must have front bumper protection and/or sensor. Specify your offer			
10.26	The unit offered must be able to make sharp on-spot turning.			
10.27	The unit must have an emergency stop button.			
10.28	The unit must have an extendable, up to 2 meters long exposure cord, for the exposure button.			
10.29	Specify if a remote wireless exposure button/device is included with a holder. Include in bid price.			
10.30	The unit must have an exposure button on the console.			
10.31	Tube head to have handles and movement buttons (transverse, longitudinal, vertical, rotational, horizontal)			
1032	Lock release switches for engaging/disengaging locks			
11.	**ANTI-SCATTER GRIDS**			
11.1	The unit must have x2 anti scatter grids with secure lock handle. One for 24x30cm detector and one for 35x43cm detector.			
11.2	If grid not included, must have letter of SAHPRA permission			
11.3	A storage compartment for both grids and both detectors must be available.			
11.4	Minimum Grid ratio 10:1 (specify, your offer)			
11.5	Minimum Line density 35-60 (specify, your offer)			
11.6	Large enough to cover film/detector format of offered size.			
12.	**EXPOSURE SYSTEM – DIRECT IMAGING WIRELESS FLAT PANEL DETECTORS**			
12.1	The units should be provided with x1 35cmx43cm mobile, lightweight, wireless flat panel detector each.			
12.2	The unit should be provided with x1 24cmx30cm mobile, lightweight, wireless flat panel detector each.			
12.3	Indicate if detectors are interchangeable for use between other x-ray model and make units. Indicate your offer or limitations.			
12.4	Indicate type of cooling required.			
12.5	Indicate ability to withstand 24 hour clinical use. Specify limitations. Reference documents required.			
12.6	Detector material (specify, your offer)			
12.7	Detector permitted maximum uniform load weight (kg) (specify, your offer)			
12.8	Detector permitted maximum point load weight (kg) (specify, your offer)			
12.9	Detector weight with battery inserted (range not more than 3.5 kg) (specify, your offer)			
12.10	Communication type (wired/wireless) (specify, your offer)			
12.11	Detector scintillator type (specify, your offer)			
12.12	Detector technology (specify, your offer)			
12.13	Detector pixel pitch: (specify, your offer)			
12.14	Detector pixel size: (specify, your offer)			
12.15	Detector pixel count: (specify, your offer)			
12.16	Detector Quantum Efficiency (DQE): (specify, your offer)			
12.17	Modulation transfer function (MTF): (specify, your offer)			

12.18	Detector cycle time: (specify, your offer)			
12.19	Detector image transfer time: (specify, your offer)			
12.20	Detector A/D conversion: (specify, your offer)			
12.21	Fill Factor: (specify, your offer)			
12.22	Required Power input (specify, your offer)			
12.23	Ingress Protection rating (IP): (specify, your offer)			
12.24	Detector image area (specify, your offer)			
12.25	Exposure formats: should not be less than 35cm x 43cm and 24x30cm respectively.			
12.26	Automatic exposure detection, must be included.			
12.27	acquisition depth must at least be 12 bit			
12.28	Battery : operating time must not be less than 4 hours in active use. Specify your offer			
12.29	Battery : charging time should not be more than 2 hours, the shorter the charge time or better (specify, your offer)			
12.30	Battery supply x3 per detector, if battery is to be exchanged (specify, your offer)			
12.31	Battery charger : x1 per detector (specify, your offer)			
12.33	Battery Charging: indicate and include other methods of charging if available when battery charger is inactive supply relevant cables as part of offer. (specify your offer)			
12.34	Battery : indicate if hot- swapping if possible. (specify, your offer)			
12.35	Battery, charger and all components must be replaceable during the lifetime of the unit. Specify all exclusions.			
12.36	Specify the environmental limitations of the detectors and batteries, temperature, humidity, heat dissipation, fluid exposure.			
12.37	Specify if detectors must be protected from fluids.			
13.	**X-RAY GENERATOR CONSOLE, IMAGE PROCESSING & APPLICATIONS/EVALUATION PROGRAMS**			
13.1	**As per requirements of Office of Health Standards and Compliance (OHSC) and Ideal Hospital Standards, patient information confidentiality must be maintained. The generator console must minimize display of patient information to the public. (Specify your Offer)**			
13.2	Touch screen console – not be glove sensitive/must be used with gloves on.			
13.3	Size : 16 inches and above. Specify your offer			
13.4	Allow for manual and automatic parameter settings			
13.5	It must be possible to enter patient data manually for emergencies or when the network is down.			
13.6	Monitor pixels must not be less than 2200x2600			
13.7	Monitor High-Resolution			
13.8	Integrated console.			
13.9	Spatial resolution of not less than 2.5lp/mm. (specify, your offer)			
13.10	DICOM compliant, compatible and activated.			
13.11	Patient data entering			
13.12	Enter data Manually			
13.13	Monitor must be flicker free and distortion free			
13.14	Colour screen			
13.15	On/ off switch			
13.16	kV selector			
13.17	mAs and/or mA selector			
13.18	Anode rotation			
13.19	Exposure switch to be mounted on control panel.			
13.20	Exposure switch must have allowance to extend the cord for exposure for 2 metres or more.			
13.21	Light or sound signal for generator READY status. Specify your offer.			

13.22	Indicate light or sound for actual exposure.			
13.23	Indicate light or sound for system error.			
13.24	Emergency stop button.			
13.25	RAM : 16 GB to 32 GB or better. Specify your offer			
13.26	Storage : 2 TB. Specify your offer.			
13.27	Automatically retrieve patient data via LAN and Wireless network			
13.28	Number of images: store not less than 10 000 images uncompromised (specify your offer)			
13.29	Bit depth (grayscale): not less than 16 bits. (12-16)			
13.30	RAM storage capacity not less than 16GB to 32 GB or better. State your offer			
13.31	State the operating system offered.			
13.32	The time required to display image should be 3 seconds to 6 seconds or less is better. Specify your offer.			
13.33	Automatic detection of exposure area must be possible.			
13.34	Manual detection of exposure area must be possible.			
13.35	APR/APT-predefined anatomically specific processing sets must be included.			
13.36	Customizable processing sets			
13.37	Auto ranging (WL/WW)			
13.38	Manual ranging (WL/WW)			
13.39	Image rotation and mirroring			
13.40	Shutter tool. Retro-collimation facilities (shutter)			
13.41	Image transfer for storage on CD/DVD.			
13.42	Integrated Keyboard			
13.43	Integrated generator operation			
13.44	Menu control			
13.45	Organ program selection			
13.46	Window position/width			
13.47	Horizontal/vertical image mirroring			
13.48	Image rotation must be 360°			
13.49	Image flip capabilities			
13.50	Left/right, AP/PA marking			
13.51	Built-in and Configurable text annotation			
13.52	Filter selection			
13.53	Subtraction capabilities			
13.54	Image zoom (specify your offer)			
13.55	Windowing (centre/width)			
13.56	Paging forward and back			
13.57	Multi-image display on the monitor (mosaic)			
13.58	Image documentation in the background			
13.59	Multi-tasking technique – specify offer			
13.60	Edge enhancement - bidder to state mechanism			
13.61	Noise suppression - bidder to state mechanism			
13.62	User authentication must be possible. State your offer.			
13.63	Auto-lock/timeout functionality must be available.			
13.64	State if remote wipe/Audit trail mechanisms are available.			
13.65	Spill proof design for internal electronics. State your offer			
13.66	Must ensure ease of data and image transfer manually entered to the information extracted from RIS. Specify the offer.			
14.	**SYSTEM INTERFACES**			
14.1	Should be a fully comprehensive DICOM compatible system			
14.2	Must be PACS/RIS and HIS compatible, fully.			

14.3	DICOM STORAGE			
14.4	DICOM RETRIEVE			
14.5	DICOM TRANSMISSION			
14.6	DICOM PRINT			
14.7	DICOM WORK UST FROM HIS AND RIS			
14.8	DICOM Basic worklist management-for loading of the acquisition modality's worklist from RIS server.			
14.9	DICOM greyscale standard display-software enabled relationship between digital images values and displayed luminance is based upon measurements and modules of human perception over a wide range of luminance as defined in the DICOM Standard part 14:Grey standard Display Function.			
14.10	DICOM MPPS-for notifying the RIS server about start and end of performed procedure steps.			
14.11	Interface DICOM: "Modality Worklist"			
14.12	Interface DICOM: "Send as SCU"			
14.13	Please submit a copy of the "Conformance Statement" for all DICOM interfaces			
14.14	The system must be capable of receiving patient data from the RIS/HIS and provide output to the PACS, printer, local CD or DVD and USB.			
14.15	It should be possible to send images to more than one viewing stations automatic and manual.			
14.16	Must be DICOM 3.0 compliant. For patient information protection.			
15.	**SITE REQUIREMENTS:**			
15.1	The bidder must inspect the proposed installation site for complete site evaluation of where the mobile x-ray units will be used, moved and the inclines.			
15.2	The unit must be installed to full functionally, no limitations due to poor planning will be accommodated. Cost of limitations related to full functioning of unit will be at bidders cost.			
15.3	Power requirements to be stated.			
15.4	UPS must be included for control console, state support time of UPS.			
15.5	State additional mechanism to protect unit from all types of power fluctuations to ensure warranty. Specify offer..			
15.6	Additional power requirements based on site visit to ensure warranty and upkeep of unit throughout the life span to be stated. Specify offer and include (if applicable)			
15.7	A **Project Plan** must be part of the site plan.			
16.	**PATIENT AND STAFF SAFETY RADIATION REQUIREMENTS**			
16.1	All SAHPRA required radiation safety signage without bidder logo, must be permanently placed on unit. Using 3 common language of the area (English, Sesotho, Afrikaans). Enlarged signage for visually impaired and for South African sign language Users to be included.			
16.2	Laminated exposure chart per unit			
16.3	Signage must be permanent on the unit console and sides. "NO UNAUTHORISED USE" and Radiation Sign.			
17.	**AI CAPABILITIES**			
17.1	Bidder is to state and define standard AI capabilities that feature standard with the model. Specify offer.			

17.2	Bidder is to state and define additional AI capabilities that feature with the model and itemise the price.			
17.3	Bidder is to state and define additional radiation safety AI capabilities that feature with the model.			
17.4	Bidder is to state additional paediatric friendly AI features to enhance patient experience and safety.			
18.	**END USER TRAINING**			
18.1	End User training must be provided by the successful bidder on the operation of the unit at no extra cost; As follows; PACS administrator: 2 working days Radiographers: All Radiographers – 7 working days Medical Physicist and Quality Radiographers: - 2 days 1st time Follow up after 1 month from date of commissioning: 2 working days Follow up after 3 months on the 1st round of QC testing. Follow up of 2 days each after 6 months, 9 months, 12 months intervals, onsite. Follow up training must be available on request by End User.			
18.2	Application specialist should train **all users** on an on-going basis throughout the contract period at no additional cost.			
19.	**QUALITY ASSURANCE COMPLIANCE TOOLS**			
19.1	All QA software and relevant tools need to be listed and included for the whole system in the total bid price. Specify offer based on SAHPRA and manufacturer requirements			
19.2	QC and QC software measurements and reject analysis protocol			
20.	**LICENSES**			
20.1	All Licenses required for full operation of the unit must be included in the bid price.			
21.	**GENERAL TECHNICAL AND SAFETY SPECIFICATIONS**			
21.1	The unit must comply with an acceptable international electric safety such as IEC601-1 and 601-1-2 for the medical equipment, attached certification.			
21.2	System must comply to ISO 900 and ISO 13458 standards, attach proof of compliance.			
21.3	**Hazardous Substances Act**: If this type of equipment / apparatus appears on the schedule of Hazardous Substances issued by the Directorate: Health Technology of the Department of Health, a license registered under the bidders name in terms of the Act on Hazardous Substances (Act 15/1973) must be submitted with the bid.			
21.4	All electrical/electronic medical equipment must be licensed by **Radiation Control**, a copy of the license must be submitted.			
21.5	The mains cable of the unit being quoted for must be 15 amp, 3 prong hospital grade type and accommodate emergency plug. **NB the mains cable of the unit must be SABS colour coded.**			
21.6	The equipment quoted must be protected against electromagnetic interference.			
21.7	The bidder must be prepared to provide a unit for technical evaluation and clinical assessment on request.			
21.8	Spare parts must be guaranteed available for the specified life of the equipment, with a minimum of 10 years.			
21.9	Supply reference list of machines currently in Government of Non-Government institutions in South Africa.			

21.10	The bidder must guarantee that no additional equipment, parts or software and licenses, consumables, will be required for the successful operation of the equipment quoted. The unit must fully operational at the time of operation. A starter pack of all essential accessories must be supplied so that the unit can be put into immediate operation. The cost of all parts, required for the full functioning of the unit and the starter pack must be included in the bid price.			
21.11	Optional accessories must be quoted for separately.			
21.12	No part shall be second hand or refurbished.			
21.13	Tender price to include supply, delivery, configuration, installation, decommissioning and commissioning, with a 24 months warranty and training programme. Acceptance and warranty of the equipment will only take place after commissioning of the equipment.			
21.14	Bidders must supply a 24 months guarantee against poor workmanship and latent defects and parts. This must be an all-inclusive warranty and must also include quality checks and quality assurance tests, required calibrations, software and anti-virus updates and upgrades. All exclusions related to a warranty must be specified, defined and stated in the bid offer. All exclusions related to a service and maintenance period must be specified, defined and stated in the bid offer.			
21.15	The delivery must be within 8 -12 weeks after date of order being received. Bidder to specify.			
21.16	The successful bidder must arrange for and provide acceptance test of the equipment. A copy of the acceptance test must be forwarded to the Clinical Manager of Pelonomi Tertiary Hospital.			
21.17	Software changes to the equipment which are corrective in nature and initiated due to software errors, regulatory requirements or safety reasons, shall be delivered and installed at no charge for the entire life of the equipment.			
21.18	Bidders must have an established service and repair facility. If the service is sub contracted to a local agent, a signed copy of the letter of appointment and acceptance must be submitted with the bid.			
21.19	Supply the name, address and telephone number/s of the service department.			
21.20	Technicians must be qualified and factory equivalent trained to deal with service, repair and calibration of the equipment quoted on. **NB Certified copies of qualifications** (or equivalent) training must be submitted with this bid.			
21.21	The bidder must state how many technicians they have permanently employed and the Curriculum Vitae attached.			
21.22	State if the technicians are in direct employ of the bidder.			
21.23	If the equipment is taken away for repairs during the warranty period, a loan set must be supplied for use by the institution. (Bidder to specify)			
21.24	The up-time of the unit must be better than 98%, excluding scheduled preventative maintenance and software upgrades, measure on a quarterly basis. The percentage lower than 98% will be added to the warranty period. A sliding scale penalty clause will form part if the service contract. This will result in the maintenance payment being reduced by a pro rata amount that the up-time is less than 98%.			
21.25	Up-time is defined as follows: 24.7, i.e. 564 days times 24 hours = 8760 hours. A down time of 25 relates to 175 hours per annum.			
22.	**WARRANTY AND TECHNICAL SUPPORT AND MAINTENANCE**			
22.1	Bidders must supply the type of technical support to be provided with the unit. Ie. remote technical support. Ie. physical technical support.			
22.2	Bidders must supply a separate all inclusive, fully comprehensive preventative maintenance, service repair plan covering all equipment, hardware and software.			

	The bidder must provide a fully costed COMPREHENSIVE MAINTENANCE AND SERVICE AGREEMENT. This contract must cover, but not be limited to the following: ALL PARTS (including, where appropriate, consumables, x-ray tubes and other glassware), labour, traveling and accommodation, service and maintenance. The 5 year all-inclusive maintenance plan is an extended comprehensive maintenance plan and be quoted as of the completion of the 24 month warranty period and must also include all quality checks and quality assurance requirements. Including all required calibrations, software updates, anti-virus and upgrades to be included. Bidders **must comprehensively define** and indicate all exclusions on the comprehensive maintenance plan. **(NB: Provide separate quote from the bid price).**			
23.	**SCHEDULE OF OPTIONAL ACCESSORIES**			
23.1	Bidders must quote the price of the optional accessories and items listed as well as any other accessories that may be useful to the end users. The receiving institutions may purchase individual accessories necessary for their particular institution for the period of 36 months from date of validity of the once-off contract. **(NB: Provide separate quote from the bid price).**			
24.	**SOFTWARE AND HARDWARE UPGRADES**			
24.1	Indicate if the hardware and software of the unit supplied is upgradeable when unit has reached end of life. Specify.			
24.2	All future updates, and removal of viruses where applicable, involving patient safety must be offered throughout the life of the unit at no additional cost. Any software upgrade, where policeable, before or after installation if the equipment must be brought to the attention of the Manager, Health Technology Services.			
25.	**USER MANUAL**			
25.1	The bidder must include in their offer at no extra cost to the final bid price: (a) Complete user Operation/Maintenance Manuals x2 (two) Book/File and CD/DVC copies in English Language . (b) Complete **ORIGINAL** Service/Repair Manuals x 2 (two) Book/File and CD/DVD copies in English Language which **MUST** include the following information: (i) Fault Finding Guide (ii) Circuit Diagrams/Schematics (iii) Circuit Descriptions (iv) PCB Layouts (v) Calibration Guide (vi) Part numbers and exploded diagram of mechanical parts/panels The offer submitted must be supported by descriptive literature, colour pamphlets, colour brochures and technical data sheets applicable to the offer. **(vii)** Service and contact centre information			
25.2	The bidder must provide company service and maintenance schedule/period for the warranty period.			
25.3	The bidder must provide company service and maintenance annual schedule/period for the life of the unit.			
26.	**BIDDER REQUIREMENTS**			
26.1	The bidder is to supply a guarantee from the original supplier of the equipment that all parts used are compatible with the equipment. For this reason, bidders must provide proof from the original suppliers of the equipment that the original supplier is willing to			

	supply parts used by the bidder. This must be clearly marked **"Annexure A"** and attached to the bid document. Failure to submit the document will invalidate the offer.			
26.2	Bidders must furnish names including telephone numbers and email addresses of customers where similar equipment has been serviced or repaired and state how long the equipment has been serviced. It is the intention of the Free State Department of Health to request references from such customers to establish the bidder's bona-fides. This must be clearly marked "**Annexure B**" and attached to the bid document. Failure to submit the document will invalidate the offer.			
26.3	The bidder must provide a table of names, relevant qualifications, experience and capacity of all people and their roles, including the application specialist, with certified copies of relevant qualifications related to the training on equipment offered that will be directly involved in the training and service and repairing of the equipment. This must be clearly marked **"Annexure C"** and attached to the bid document. Failure to submit the document will invalidate the offer.			
26.4	The bidder shall provide at "**Annexure D",** a table of names, relevant qualifications, experience and capacity of all people and their roles, including certified copies of relevant qualifications, that will be directly involved in this project. Failure to submit the document will invalidate the offer.			
26.5	The bidder is required to supply a complete implementation plan, that will include a project diagram with a list of activities showing starting and completion time frames, project meeting timelines (milestones), cash flow, resources and the deliverables. This information to be attached as "**Annexure E",** and the approved plan with dates will be issued to Pelonomi Tertiary Hospital and Universitas Academic Hospital on the date of issuing of an order. Failure to submit the document will invalidate the offer.			
26.6	The bidder, for room preparation done onsite must follow all regulatory guidelines of registration with Construction Industry Development Board (CIDB) according to the established Construction Industry Development Board Act 38 of 2000 and the builder's registration documents that must be attached as an **"ANNEXURE F"**. Failure to submit the document will invalidate the offer.			
26.7	The supplier must provide what is considered as negligence in relation to the equipment and accessories supplied which must be listed and clearly outlined as an **"Annexure G".**			
26.8	Bidders shall indicate as an **"ANNEXURE H"** whether: - A remote support/diagnostic facility is available, how it would be carried out at no cost to the facilities. Patient information, cyber-security and anti-hacking mechanisms/responsibilities of bidder. Local diagnostic, fault finding and aids for trouble shooting are supplied. Repair and technical support facilities are available in the Free-State area. The turnaround time for spare parts imported from outside the South Africa. New releases and updates of the system must be supplied. Bidders shall indicate the costs associated with the installation of new releases and updates of software where applicable. Failure to submit the document will invalidate the offer.			

PRICING SCHEDULE
OVERHEADS INCLUDING ESSENTIAL ACCESSORIES MUST BE INCLUSIVE IN THE QUOTED PRICE.

ITEM 2: BID SPECIFICATION FOR THREE [3] DIGITAL MOBILE X-RAY UNITS WITH HEIGHT ADJUSTABLE/RETRACTABLE TUBE COLUMN AND TELESCOPIC TUBE ARM EACH WITH 24X30 CM WIRELESS DETECTOR (X1) & 35X43 CM WIRELESS DETECTOR (X1). **PELONOMI TERTIARY HOSPITAL**	
(All Inclusive price including supply, delivery, configuration, installation, decommissioning, installation, alterations, air-conditioning, radiation compliance and monitoring equipment, power supply, licensed stitching and tomosynthesis software, training and all other standard items and essential accessories listed in specifications. (Attach a breakdown)	**R**
OPTIONAL ACCESSORIES: (ATTACH ADDENDUM) with itemised pricing.	**R**
EXCLUSIONS (ATTACH ADDENDUM)	
ALL-INCLUSIVE OPTIONAL FULL COMPREHENSIVE PREVENTATIVE MAINTENANCE AGREEMENT WHICH MAY BE IN EFFECT FROM DATE OF END OF 24 MONTH WARRANTY;	
Year 1	**Warranty**
Year 2	**Warranty**
Service and Maintenance	
Year 3	**R**
Year 4	**R**
Year 5	**R**
Year 6	**R**
Year 7	**R**
TOTAL BID PRICE INCLUSIVE OF VAT **(Equipment, Essential Accessories, Optional accessories and All Inclusive Full Comprehensive Maintenance Plan)**	**R**

NB: Bidder must attach detailed breakdown of the total bid price.

1.1. FURTHER INFORMATION

Bidders shall have the opportunity to request further information or meetings with regard to the bid. For further information regarding this bid, please contact: -

PELONOMI TERTIARY HOSPITAL

Mr Jerome V Stallenberg
Chief Radiographer
Pelonomi Tertiary Hospital
121 Dr Belcher Road
Heidedal
Bloemfontein.
9301
Tel: (051) 405 1662

Ms Bernine Welman
Medical Physicist
Pelonomi Tertiary Hospital
121 Dr Belcher Road
Heidedal
Bloemfontein.
9301
Tel: (051) 405 1662

PRICING SCHEDULE – NON-FIRM PRICES

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECTED TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASE WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name Of the bidder: _____ Bid Number: **DOH(FS)12/2025/2026**

Closing Time: **11H00** Date: **17 April 2026**

OFFER TO BE VALID FOR 120 DAYS FROM THE CLOSING DATE OF THE BID.

ITEM NUMBER	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
1.1	As required	Digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching.	R _____ Each R _____ Building alterations R _____ Monthly service & maintenance R _____ Total amount for service & maintenance for five years.(**which will be reviewed annually based on the applicable CPI**).

REQUIRED BY THE FREE STATE DEPARTMENT OF HEALTH

Required by:	Pelonomi Tertiary Hospital
At:	
Brand and model:	_____
Country of origin:	_____
Does the offer comply with specifications?	* YES / NO
If not to specifications, indicate deviation(s)	_____
The Period required for delivery	_____
Delivery	* FIRM / NOT FIRM
Delivery basis	_____

**** "All applicable taxes" included value-added tax, pay-as-you-earn, income tax, unemployment insurance fund contributions and skills development levies**

*** Delete if not applicable.**

PRICING SCHEDULE – NON-FIRM PRICES

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECTED TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASE WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name Of the bidder: _____	Bid Number: **DOH(FS)12/2025/2026**
Closing Time: **11H00**	Date: **17 April 2026**

OFFER TO BE VALID FOR 120 DAYS FROM THE CLOSING DATE OF THE BID.

ITEM NUMBER	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
1.2	As required	Digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching.	R _____ Each R _____ Building alterations R _____Monthly service & maintenance R _____Total amount for service & maintenance for five years. **(which will be reviewed annually based on the applicable CPI).**

REQUIRED BY THE FREE STATE DEPARTMENT OF HEALTH

Required by:	Pelonomi Tertiary Hospital
At:	
Brand and model:	_____
Country of origin:	_____
Does the offer comply with specifications?	* YES / NO
If not to specifications, indicate deviation(s)	_____
The Period required for delivery	_____
Delivery	* FIRM / NOT FIRM
Delivery basis	_____

**** "All applicable taxes" included value-added tax, pay-as-you-earn, income tax, unemployment insurance fund contributions and skills development levies**

*** Delete if not applicable.**

SBD 3.2

PRICING SCHEDULE – NON-FIRM PRICES

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECTED TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASE WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name Of the bidder: _____ Bid Number: **DOH(FS)12/2025/2026**

Closing Time: **11H00** Date: **17 April 2026**

OFFER TO BE VALID FOR 120 DAYS FROM THE CLOSING DATE OF THE BID.

ITEM NUMBER	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
1.3	As required	Digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching.	R _____ Each R _____ Building alterations R _____ Monthly service & maintenance R _____ Total amount for service & maintenance for five years.**(which will be reviewed annually based on the applicable CPI)**

REQUIRED BY THE FREE STATE DEPARTMENT OF HEALTH

Required by:	Pelonomi Tertiary Hospital
At:	
Brand and model:	_____
Country of origin:	_____
Does the offer comply with specifications?	* YES / NO
If not to specifications, indicate deviation(s)	_____
The Period required for delivery	_____
Delivery	* FIRM / NOT FIRM
Delivery basis	_____

**** "All applicable taxes" included value-added tax, pay-as-you-earn, income tax, unemployment insurance fund contributions and skills development levies**

*** Delete if not applicable.**

PRICING SCHEDULE – NON-FIRM PRICES

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECTED TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASE WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name Of the bidder: _____ Bid Number: **DOH(FS)12/2025/2026**

Closing Time: **11H00** Date: 17 April 2026

OFFER TO BE VALID FOR 120 DAYS FROM THE CLOSING DATE OF THE BID.

ITEM NUMBER	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
1.4	As required	Digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching.	R _____ Each R _____ Building alterations R _____ Monthly service & maintenance R _____ Total amount for service & maintenance for five years. (**which will be reviewed annually based on the applicable CPI**)

REQUIRED BY THE FREE STATE DEPARTMENT OF HEALTH

Required by:	Universitas Academic Hospital
At:	
Brand and model:	_____
Country of origin:	_____
Does the offer comply with specifications?	* YES / NO
If not to specifications, indicate deviation(s)	_____
The Period required for delivery	_____
Delivery	* FIRM / NOT FIRM
Delivery basis	_____

**** "All applicable taxes" included value-added tax, pay-as-you-earn, income tax, unemployment insurance fund contributions and skills development levies**

*** Delete if not applicable.**

SBD 3.2

PRICING SCHEDULE – NON-FIRM PRICES

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECTED TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASE WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name Of the bidder: _____	Bid Number: **DOH(FS)12/2025/2026**
Closing Time: **11H00**	Date:**17 April 2026**

OFFER TO BE VALID FOR 120 DAYS FROM THE CLOSING DATE OF THE BID.

ITEM NUMBER	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
1.5	As required	Digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching.	R _____ Each R _____ Building alterations R _____ Monthly service & maintenance R _____ Total amount for service & maintenance for five years.(**which will be reviewed annually based on the applicable CPI**)

REQUIRED BY THE FREE STATE DEPARTMENT OF HEALTH

Required by:	Universitas Academic Hospital
At:	
Brand and model:	_____
Country of origin:	_____
Does the offer comply with specifications?	* YES / NO
If not to specifications, indicate deviation(s)	_____
The Period required for delivery	_____
Delivery	* FIRM / NOT FIRM
Delivery basis	_____

**** "All applicable taxes" included value-added tax, pay-as-you-earn, income tax, unemployment insurance fund contributions and skills development levies**

*** Delete if not applicable.**

SBD 3.2
PRICING SCHEDULE – NON-FIRM PRICES

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECTED TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASE WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name Of the bidder: _____	Bid Number: **DOH(FS)12/2025/2026**
Closing Time: **11H00**	Date:**17 April 2026**

OFFER TO BE VALID FOR 120 DAYS FROM THE CLOSING DATE OF THE BID.

ITEM NUMBER	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
2	3	Digital mobile x-ray units with height adjustable/retractable tube column and telescopic tube arm each with 24x30 cm wireless detector (x1) & 35x43 cm wireless detector (x1)..	R _____ 3 units R _____Monthly service & maintenance R _____Total amount for service & maintenance for five years. (**which will be reviewed annually based on the applicable CPI**)

REQUIRED BY THE FREE STATE DEPARTMENT OF HEALTH

Required by:	Pelonomi Tertiary Hospital
At:	
Brand and model:	_____
Country of origin:	_____
Does the offer comply with specifications?	* YES / NO
If not to specifications, indicate deviation(s)	_____
The Period required for delivery	_____
Delivery	* FIRM / NOT FIRM
Delivery basis	_____

**** "All applicable taxes" included value-added tax, pay-as-you-earn, income tax, unemployment insurance fund contributions and skills development levies**

*** Delete if not applicable.**

PRICE ADJUSTMENTS

A NON-FIRM PRICES SUBJECT TO ESCALATION

1. IN CASES OF PERIOD CONTRACTS, NON FIRM PRICES WILL BE ADJUSTED (LOADED) WITH THE ASSESSED CONTRACT PRICE ADJUSTMENTS IMPLICIT IN NON FIRM PRICES WHEN CALCULATING THE COMPARATIVE PRICES

2. IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING FORMULA:

$$Pa = (1-V)Pt\left(D1\frac{R1t}{R1o} + D2\frac{R2t}{R2o} + D3\frac{R3t}{R3o} + D4\frac{R4t}{R4o}\right) + VPt$$

Where:

Pa	=	The new escalated price to be calculated.
(1-V)Pt	=	85% of the original bid price. **Note that Pt must always be the original bid price and not an escalated price.**
D1, D2..	=	Each factor of the bid price eg. labour, transport, clothing, footwear, etc. The total of the various factors D1, D2...etc. must add up to 100%.
R1t, R2t.....	=	Index figure obtained from new index (depends on the number of factors used).
R1o, R2o	=	Index figure at time of bidding.
VPt	=	15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

The following index/indices must be used to calculate your bid price:

Index: CPI Dated: February 2026

FURNISH A BREAKDOWN OF YOUR PRICE IN TERMS OF ABOVE-MENTIONED FORMULA. THE TOTAL OF THE VARIOUS FACTORS MUST ADD UP TO 100%.

FACTOR (D1, D2 etc. eg. Labour, transport etc.)	PERCENTAGE OF BID PRICE

SBD 3.2

B. PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS

2. Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		

2. Adjustments for rate of exchange variations during the contract period will be calculated by using the average monthly exchange rates as issued by your commercial bank for the periods indicated hereunder: (Proof from bank required)

AVERAGE MONTHLY EXCHANGE RATES FOR THE PERIOD:	DATE DOCUMENTATION MUST BE SUBMITTED TO THIS OFFICE	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE	DATE UNTIL WHICH NEW CALCULATED PRICE WILL BE EFFECTIVE

PRICING SCHEDULE: **SERVICE & MAINTENANCE**

ITEM 1: Digital ceiling suspended bucky x-ray units each with dual mounted detectors (x2) and portable, wireless flat panel detector (x1) for direct imaging and with digital stitching

PRICE FOR A YEAR	**AMOUNT**
Year 3	R
Year 4	R
Year 5	R
Year 6	R
Year 7	R

ITEM 2: Digital mobile x-ray units with height adjustable/retractable tube column and telescopic tube arm each with 24x30 cm wireless detector (x1) & 35x43 cm wireless detector (x1)

PRICE FOR A YEAR	**AMOUNT**
Year 3	R
Year 4	R
Year 5	R
Year 6	R
Year 7	R

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest1 in the enterprise, employed by the state? **YES / NO**

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

1 the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

(65)

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES / NO**

2.2.1 If so, furnish particulars:

.....

.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES / NO**

2.3.1 If so, furnish particulars:

.....

.....

3 DECLARATION

I the undersigned, (name).....in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

3.1 I have read and I understand the contents of this disclosure;

3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium2 will not be construed as collusive bidding.

3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.

3.5 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

---

2 Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

3.6 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

3.7 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....	.....
Signature	Date
.....	.....
Position	Name of bidder

(67)

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022
(FOR ALL SPECIFIC GOALS)

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

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1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 **To be completed by the organ of state**

(delete whichever is not applicable for this tender).

~~a) The applicable preference point system for this tender is the 90/10 preference point system.~~

b) The applicable preference point system for this tender is the 80/20 preference point system.

~~c) Either the 90/10 or 80/20 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.~~

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:
(a) Price; and
(b) Specific Goals.

1.4 **To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for PRICE and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

(a) **"tender"** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
(b) **"price"** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
(c) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
(d) **"tender for income-generating contracts"** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
(e) **"the Act"** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20 **or** **90/10**

$$Ps = 80\left(1 - \frac{Pt - P\,min}{P\,min}\right) \quad \text{or} \quad Ps = 90\left(1 - \frac{Pt - P\,min}{P\,min}\right)$$

Where
Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. **POINTS AWARDED FOR PRICE**

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20	**or**	**90/10**
$Ps = 80\left(1 + \frac{Pt - P\,max}{P\,max}\right)$	or	$Ps = 90\left(1 + \frac{Pt - P\,max}{Pmax}\right)$

Where

Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

(a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or

(b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.
(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.
Note to tenderers: The tenderer must indicate how they claim points for each specific goal point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	The weight/s to be broken-down as follows:	Number of points claimed (80/20 system) (To be completed by the tenderer)
GENERAL			
Women	4	• 100% Woman ownership = 4 points • 50%-99% Woman ownership = 2 points • 1%-49% Woman ownership = 1 point • 0% Woman ownership = 0 points	
Youth	6	• 100% Youth ownership = 6 points • 75%-99% Youth ownership = 4 points • 50%-74% Youth ownership = 2 points • 1%-49% Youth ownership = 1 point • 0% Youth ownership = 0 points	
People with disability	2	• 100% Ownership = 2 points • 51%-99% Ownership = 1 point	
Free State based company (NB: the institutions must ensure that this specific goal is aligned to the district they are situated in.	8	• Free State based company = 8 points • Not Free State based company = 0 points	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number: .....

4.5. TYPE OF COMPANY/ FIRM

Partnership/Joint Venture / Consortium
One-person business/sole propriety
Close corporation
Public Company
Personal Liability Company
(Pty) Limited
Non-Profit Company
State Owned Company

[TICK APPLICABLE BOX]

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4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

i) The information furnished is true and correct;
ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

(a) disqualify the person from the tendering process;
(b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
(c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
(d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
(e) forward the matter for criminal prosecution, if deemed necessary.

.....

SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME: .....

DATE: .....

ADDRESS: .....

.....

.....

.....

SWORN AFFIDAVIT

I, the undersigned,

Full Name & Surname	
Identity Number	
Number of shares (percentage) owned by the person	

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.

2. I have a Disability and I am a Member / Director / Owner of the following enterprise and am duly authorized to act on its behalf.

Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Enterprise Physical Address:	
Type of Entity (Cc, (Pty) Ltd, Sole Prop etc.):	
Nature of Business	

3. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.

4. The sworn affidavit will be valid for a period of 12 months from the date signed by the commissioner.

Deponent Signature: _____

Date: _____

_____

Commissioner of Oaths (Signature & Stamp)

SPECIAL CONDITIONS OF CONTRACT
DEPARTMENT OF HEALTH

CONTENTS: **Page**

THE FOLLOWING SPECIAL CONDITIONS OF CONTRACT WILL APPLY TO THIS BID / QUOTATION:

1) INVITATION OF QUOTATIONS

Quotations with the value above R500 000 may not be invited for the period less than 7 days before closing.

If due to circumstances that there is a need to close the quotation within the period less than 7days, the intention to invite the supplier for the lesser period should be indicated in the Demand Form. **Minimum of three quotations must still be obtained in this regard.**

2) EVALUATION CRITERIA

The following preference point system is applicable to the bid/quotation 80/20.

The preference points for this bid/quotation are allocated as follows and will be applied when adjudicating the bid / quotation:

Price	=	80 points
Specific goals	=	20
Total points	=	100 points

3) THE APPLICATION AND IMPLEMENTATION OF THE PRERERENTIAL PROCUREMENT SPECIFIC GOALS

3.1 The institutions must apply the 80/20 Preferential Point System to all the quotations above R30 thousand. The following Specific goals are applicable to all the requests for quotations within the Department

GENERAL			
Specific goal	**Applicable weight**	**The weight/s to be broken-down as follows**	**Evidence to be submitted by the supplier to substantiate the points claimed/allocated per specific goal (NB: Any of the evidence indicated below per specific goal should be regarded as sufficient)**
Woman	10	• 100% Woman ownership = 10 points • 75%-99% Woman ownership =8 points • 60%-74% Woman ownership=6 points • 50%-59% Woman ownership = 5 points • 1%-49% Woman ownership = 1 point • 0% Woman ownership = 0 points	• RSA identity document OR • Valid RSA driver's license issued by the relevant authority. **NB: together with the company registration documentations which contains the % of ownership or shareholding certificate with the percentage of shares owned by the individual Director/s.**
Youth	4	• 100% Youth ownership = 4 points • 75%-99% Youth ownership = 3 points • 60%-74% Youth ownership= 2 points • 50%-59% Youth ownership =1 point • 0%-49% Youth ownership = 0 point	• RSA identity document or • Valid RSA driver's license issued by the relevant authority. **NB: together with the company registration documentations which contains the % of ownership or shareholding certificate with the percentage of shares owned by the individual Director/s.** (Youth is defined as any south African

			citizen with the age between 18 and 35 years)
People living with disability.	2	• 100% Ownership = 2 points • 51%-99% Ownership = 1 point	• Sworn affidavit signed by the company representative and attested by the Commission of oaths
Free State based company (NB: the institutions must ensure that this specific goal is aligned to the district they are situated in. e.g. suppliers situated in Thabo Mofutsanyane District	4	• Free State based company = 4 points • Not FS based company = 0 points	• Municipal Account, not older than (3) months **(If the Municipal account is not in the name of the company but rather in that of the Director, a Sworn Affidavit confirming that the company is operating in the premises of one of the Directors must be attached)** OR • Lease agreement OR • Title deeds OR • Permission to occupy land signed by the traditional authority OR • A letter of confirmation of the address signed by the ward councilor
WOMEN AND YOUTH			
Woman	10	• 100% Woman ownership = 10 points • 75%-99% Woman ownership = 8 points • 60%-74% Woman ownership = 6 points • 50%-59% Woman ownership = 5 points • 1%-49% Woman ownership = 1 point • 0% Woman ownership = 0 points	• RSA identity document OR • Valid RSA driver's license issued by the relevant authority **NB: together with the company registration documentations which contains the % of ownership or shareholding certificate with the percentage of shares owned by the individual Director/s.**
Youth	10	• 100% Youth ownership = 10 points • 75%-99% Youth ownership = 8 points • 60%-74% Youth ownership = 6 points • 50%-59% Youth ownership = 5 points • 1%-49% Youth ownership = 1 point • 0% Youth ownership = 0 points	• RSA identity document OR • Valid RSA driver's license issued by the relevant authority **NB: together with the company registration documentations which contains the % of ownership or shareholding certificate with the percentage of shares owned by the individual Director/s.**
WOMEN ONLY			
Woman	20	• 100% Woman ownership = 20 points • 75%-99% Woman ownership = 18 points • 60%-74% Woman ownership = 16 points • 50%-59% Woman ownership = 10 points • 1%-49% Woman ownership = 5 points • 0% Woman ownership = 0 points	• RSA identity document OR • Valid RSA driver's license issued by the relevant authority **NB: together with the company registration documentations which contains the % of ownership or shareholding certificate with the percentage of shares owned by the individual Director/s.**

YOUTH ONLY			
Youth	20	• 100% Youth ownership = 20 points • 75%-99% Youth ownership = 18 points • 60%-74% Youth ownership = 16 points • 51%-59% Youth ownership = 14 points • 1%-50% Youth ownership = 10 points • 0% Youth ownership = 0 points	• RSA identity document OR • Valid RSA driver's license issued by the relevant authority **NB: together with the company registration documentations which contains the % of ownership or shareholding certificate with the percentage of shares owned by the individual Director/s.**

4) Once-off bid prices

4.1 Firm prices:
Prices for once-off bids must be firm. No application for price adjustment will be considered except in the case where rate of exchange is applicable. All the necessary documentary proof must be submitted.

Where the exchange rate is applicable the bidder is expected to complete the SBD 3.2 in full at the time of bidding.

5) Period Contract Prices

5.1 1st year of the contract period:

Prices must be firm for the 1st (first) year of the contract period. No price adjustments will be allowed during the 1st year of the contract period except in the case where rate of exchange is applicable. The request for price adjustment due to rate of exchange will be considered per consignment. All the necessary documentary proof must be submitted.

5.2 2nd year and rest of the contract period – Prices subject to escalation

5.2.1 A request for price adjustment due to statutory increases on period contracts will be considered **after** the 1st year of the contract period if the bid/quotation is qualified as such and with the necessary documentary proof.

5.2.2 **In order to be considered for price increases from the 2nd year** of the contract period (statutory increase) and where the rate of exchange is applicable (on request per consignment), the price escalation form SBD 3.2 must be completed in full.

5.2.3 **Submitting of price adjustment claims:**

Claims for statutory increases must be submitted within 90 days of the change in price. If a claim is received after 90 days, the adjusted price will only be considered from the date the claim was received by the Department.
Delivery of goods and/or services must not be withheld as a result of the price adjustment not being finalized or as a result of any dispute.

Companies must indicate in the bid document the amount to be remitted abroad as well as the rate of exchange applied in the conversion of that amount into SA currency, when calculating the bid price. Proof from the bank for rate of exchange applicable to the bid at time of bidding **must** be attached to the bid document.

Price adjustments based on Rate of Exchange will only be applied per consignment delivered to the applicable institution of the Department due to the continuous fluctuation.

5.2.4 Documentary proof for price adjustments:

(i) All claims must be properly substantiated by documentary evidence to the satisfaction of the Head of Health.

(ii) The following information must be supplied when claims for rate of exchange variations are lodged:

- Documentary evidence of currency and amount paid to foreign supplier
- Supplier's invoice
- Bill of entry/landing
- Copy of institutions order, delivery note and invoice

5.2.5 Failure to comply with the conditions as per par. 5.2.2 to 5.2.4 **will invalidate** the claim.

6) Qualification of bid / quotation documents

6.1 The invitation form (SBD 1 / Quotation Invitation Form) must be **completed in full, stamped where it is required and signed originally** (in black pen ink) by the person in the company who is authorised to do so. **Failure to sign the offer will invalidate the offer.**

6.2 The SBD forms and all other bid forms must be submitted in the original format. The Office will only consider the original bid documents issued by the Office and signed by the company. Bid documents that are *retyped, transmitted by facsimile, electronic mail or changed in any other way,* **will** invalidate the bid. Scanned documents, which are completed in the original, will be acceptable.

7) Applicable Declarations – SBD 4, SBD 6.1:

All declarations must be **originally completed** in full and duly signed by the bidder and where required, two witnesses.

7.1 **SBD 4 – Declaration of Interest**

All the state employees are not allowed to do a business with the Free State Department of Health.

8) Corrections to documents:

8.1 Correction fluid (like Tippex for example) must not be used in bid documents in order to correct mistakes. Where a company wishes to correct a mistake, a single line must be drawn through it and the company must place his/her signature and date next to the correction, so that the original entry is still visible and legible. Failing to rectify mistakes in this manner **will** invalidate the bid or the relevant item, or the relevant clause.

8.2 In all other cases of alterations/corrections a full signature and date must be attached above, next to or below the said alteration or correction. If not signed in full at the correction the specific item/bid/quotation **will not** be taken into consideration.

8.3 Companies must check the numbers of the pages on the bid document and should satisfy themselves that the document is complete and that none of the pages are missing or duplicated before the closing date of the bid. No liability shall be accepted with regard to claims arising from the fact that pages are missing or duplicated.

8.4 Where **specific goal points** are claimed on the SBD 6.1 form, the form must be completed in full, must be signed by the company and both witnesses otherwise the points claimed **will** not be considered.

8.5 The bid must be submitted in a sealed envelope. The **correct** bid number and closing date must be clearly indicated on the front of the envelope and the bidder's details on the back. The envelope must be placed in the bid box as indicated, before or on the closing date and time of the bid. On failure to comply the bid **will** not be considered. Bids, which are **received after the closing date and time**, will not be accepted and will be returned to the bidder.

9) Tax Clearance Certificates

9.1 **Original valid Tax Certificates must be attached** to the bid documents. Where the Tax Clearance Certificate is not attached the information will be verified on the Central Supplier database. The Department will not accept a bid from a bidder, whose tax matters were not declared to be in order by SARS.

9.2 Each party to a Consortium/Sub-contractor/Joint Venture must submit a separate original valid Tax Clearance Certificate. If the Tax Clearance certificates are not attached such information will be verified on the Central Supplier Database. Each party's Tax matters must be declared to be in order by SARS.

9.3 Period Contracts: Should the bid be accepted; the contractor must provide the Department (Compliance Office) throughout the contract period with a valid Tax Clearance Certificate on or before the expiry date of each certificate in the possession of the Office.

9.4 The Department has the right to verify the Tax Clearance Certificate submitted by a company at any SARS branch office nationwide.

10) Compulsory Explanatory Meeting and / or Site Visit

10.1 A compulsory explanatory meeting and/or site visit if so required in the bid documents and bid advertisement must be attended. Failure to attend **will invalidate** the bid. **In case of a joint venture, consortium all companies must attend the meetings and submit their own attendance certificate in the company's name.**

10.2 An attendance certificate per company must be signed and stamped by an official of the Department with registration at the meeting. The document/s must be attached in its original to the bid document. Copies of the document will not be accepted.

10.3 Information already provided at the meeting will not be repeated to late attendees.

10.4 A copy of the minutes of the meeting can be made available to companies on request.

11) Payment to suppliers

Payments will be handled as prescribed by the PFMA and will normally be effected within 30 days of receipt of all the required documentation, which should be correct in every respect.

12) Legislation / Laws

Companies must comply with the provisions of current Labour Legislation as well as any other relevant legislation or legal requirement.

13) Validity period of bid

The period for which offers are to remain valid and binding (in order for the Department to finalize it), is indicated in the bid documents (SBD 3.1 / 3.2) and is calculated from the closing day with the understanding that offers are to remain in force and binding until the close of business on the last day of the period calculated and if this day falls on a Saturday, Sunday or Public Holiday, the bid is to remain valid and binding until the close of business on the following working day.

14) Quantities

Where quantities are specified in the bid documents the Department cannot guarantee that they will be ordered as such, as it depends on Departmental needs. The Department is not liable for any losses the contractor might suffer for not ordering specific quantities.
Where quantities are specified, "as required" the quantities will be ordered as and when needed.

15) Samples

15.1 Samples to be submitted (if so required in the bid documents), must be clearly marked with the bid and item number as well as the company's name.

UNDER NO CIRCUMSTANCES SAMPLES SHALL BE INCLUDED IN THE BID DOCUMENTS. SAMPLES INCLUDED IN BID DOCUMENTS WILL NOT BE CONSIDERED

15.2 The samples must be delivered to the addressee mentioned in the bid documents so as to reach him/her not later than the closing date and time of the bid.

15.3 Samples shall be supplied by the bidder at his/her own expense and risk.

15.3.1 Samples of the successful company will be kept with the Department until the end of the contract period and will be retuned to the company only if so stated in the bid/quotation documents.

15.4 All samples provided, which must be returned to the company must be removed on request of the Department at the company's own expense and risk within the specified period. On failing to comply with, the company will forfeit ownership and the sample shall forthwith be disposed of at the discretion of the Department.

16) Bid prices

16.1 Prices of bids must be provided for the specific units as required per SBD 3 forms. The packaging may vary and will be considered unless specific packaging is required.

16.2 Bid prices must be all inclusive and no additional cost will be paid for e.g. delivery, VAT, etc.

16.3 Bid prices must be indicated on the relevant SBD 3 form/s unless otherwise requested by the Department.

17) Price lists

Price lists **will not** be considered for acceptance of the bid unless it was specifically requested in the bid / quotation documents.

18) Specification – company's response

Where a specification provides for the company's response to the different points of specification, the bidder's part **must** be properly completed or the bid or the relevant item **will** be disqualified. **Where items deviate from the requirement, the deviation must be indicated.**

19) Adjudication of bid

19.1 Chapter 6 of the Prevention and Combating of Corrupt Activities Act,2004 (Act 12 of 2004), that deals with the Register for Tender Defaulters, as well as Regulations made by the Minister of Finance in this regard, are applicable when adjudicating a bid/quotation.

19.2 The Department may terminate the bid/contract in whole or in part if representatives of the Department, is in the judgement that the bidder has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

19.3 In the event of a bid being awarded as a result of specific goal points claimed in terms of the revised Preferential Procurement Regulations 2022, the contractor may be required to furnish documentary proof to the satisfaction of the Department.

19.3.1 The Department will act against the bidder or person awarded the contract upon detecting that the specific goal points for B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the contract conditions have not been fulfilled.

19.3.2 The Department may, in addition to any other remedy that it may have against the bidder or person:

19.3.3 Disqualify the bidder or person from the bidding process;

19.3.4 Recover all costs, losses or damages it has incurred or suffered as a result of that person's conduct;

19.3.5 Cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;

19.3.6 Restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after applying the *audi alteram partem* (hear the other side) rule; and

19.3.7 Forward the matter for criminal prosecution.

20) Restriction of business interest of employees conducting business with the Provincial Government

An employee may not have a business interest in any entity conducting business with the Provincial Government.

21) Compliance to contract

21.1 The Department will monitor compliance to the contract after adjudication of the bid that include, but need not be limited to, site inspections and the request for documentary proof of compliance with the PFMA and relevant legislation.

21.2 Where services are rendered, which involves minimum wages for employees in terms of the sectoral wage determination, the Department reserves the right to request copies of payslips of employees during the period of the contract.

22) Contract signing

In response to an invitation to bid, companies must submit bid which in terms of the law represent offers. Once an offer is accepted and a bid is awarded to a successful company, a legal contract comes into existence.

The Department **will not** enter into any other contract than the SDB 7.1 or 7.2 form to be concluded as a result of acceptance of the bid.

23) Financial schedules

The financial schedule and annexure(s) for breakdown on salaries/wages where applicable, must be fully completed and submitted with the bid.

24) Declaration of Interest

Failure to declare interest on the part of the company or officials from the Department is unacceptable, which **will** lead to the bid/quotation not being considered.

25) Descriptive literature / brochures / pamphlets

If so required, the company must supply descriptive literature, brochures or pamphlets.
Descriptive literature is regarded as text and photos as issued by the original manufacturer.

26) Performance Security / Surety

A Performance Security / Surety is not applicable to all bid. Where it is a requirement in a specific bid, it will be indicated in the bid documents as well as the period in which the performance security / surety must be submitted. If so required, it must be provided to the Department within the required period or the Department will have the right to cancel the contract and to claim any damages suffered from the contractor.

27) Accredited representative

If you are an accredited representative in South Africa for the goods/services offered written proof from the original supplier must be enclosed. (Refer to the SDB 1 form). Failure to do so will result in the offer not being considered.

28) Equipment exceeding specifications

There might be cases where the specifications do not address latest developments in technology. Where this is the case, the company must indicate next to the specific requirement in the specification to what extent the improved technology is offered. The Department may consider such offers in the adjudication process on condition that full details are provided for comparison purposes.

29) **Delivery and documents**
If so required, details of shipping and/or other documents to be furnished by the supplier are specified in the bid document

30) **Insurance**
Insurance as prescribed in the GCC par. 11 is applicable. Specific requirements over and above GCC par. 11 will be specified in the bid/quotation document.

31) **Incidental services**
Incidental services if so required will be handled as specified in the bid document.

32) **Spare parts**
Spare parts forms part of the specification of the bid/quotation and must be dealt with as such.

33) **Warranty**

32.1 Only new, unused goods must be supplied unless otherwise stated in the bid document.
32.2 The General Conditions of Contract par. 15 will apply unless otherwise stated in the bid documents.

32.3 Suppliers must remedy defect(s) on goods delivered within the period stated in the bid/quotation document or within the period as required by the Department.

34) **Penalties**
Penalties will be imposed as per current prime interest rate as prescribed by the General Conditions of Contract par. 22 unless otherwise stated in the bid/quotation document.

35) **Settlement of disputes**
The parties hereby agree that in the case of a dispute that cannot be resolved mutually, the dispute will be referred for settlement to the Secretary of the Law Society in the Free State, and in the case of the said Society's unwillingness to hear the dispute, such dispute will be referred to the Chairperson of the Bar Council for the Society for Advocates and/or his/her nominee.

The parties agree that the decision of the presiding officer in the dispute settlement procedure will be final and that neither of the parties will institute legal action against the other following the dispute settlement.

36) **Termination of contracts: Unfulfilled orders**
On termination of the contract, unfulfilled orders will automatically be cancelled and where appropriate, be supplied in terms of any subsequent contract.

37) **Cession of contracts**
The supplier shall not cede, in whole or in part, its obligations to perform under the contract or payments made/or to be made by the Department to the supplier, except with the Department's prior written consent.

38) **Acceptance of the Special Conditions of Contract and General Conditions of Contract**
Failure to accept the Special Conditions of Contract and the General Conditions of Contract or any part thereof, may result in the bid/quotation not being considered.

39) **THE COMPANY MUST COMPLETE THE FOLLOWING:**

I, ...in my capacity as ..... of the company, hereby certifies that I took note and accept the above-mentioned Special Conditions of Contract.

....
SIGNATURE **CAPACITY**

Contact person of company: .....

Tel. of Company: (.....) ..... **Fax of Company:** (.....) .....

THE NATIONAL TREASURY

Republic of South Africa

GOVERNMENT PROCUREMENT:

GENERAL CONDITIONS OF CONTRACT

July 2010

NOTES

The purpose of this document is to:

(i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and

(ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

- The General Conditions of Contract will form part of all bid documents and may not be amended.

- Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if (applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

TABLE OF CLAUSES

General Conditions of Contract

1. Definitions

1. The following terms shall be interpreted as indicated:

1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.

1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.

1.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.

1.6 "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

1.7 "Day" means calendar day.

1.8 "Delivery" means delivery in compliance of the conditions of the contract or order.

1.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.

1.10 "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.

1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of

origin and which have the potential to harm the local industries in the RSA.

1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.

1.14 "GCC" means the General Conditions of Contract.

1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.

1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.

1.17 "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.

1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.

1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.

1.20 "Project site," where applicable, means the place indicated in bidding documents.

1.21 "Purchaser" means the organization purchasing the goods.

1.22 "Republic" means the Republic of South Africa.

1.23 "SCC" means the Special Conditions of Contract.

1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance,

training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.

1.25 "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

2. Application

2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.

2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.

2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.

3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za

4. Standards

4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

5. Use of contract documents and information; inspection.

5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.

5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights

arising from use of the goods or any part thereof by the purchaser.

7. Performance security

7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.

7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.

7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:

(a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
(b) a cashier's or certified cheque

7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

8. Inspections, tests and analyses

8.1 All pre-bidding testing will be for the account of the bidder.

8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.

8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.

8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.

8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.

8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.

8.7 Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.

8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9. Packing

9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 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 SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.

10.2 Documents to be submitted by the supplier are specified in SCC.

11. Insurance

11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.

12. Transportation

12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

13. Incidental services

13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

(a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
(b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
(c) furnishing of a detailed operations and maintenance manual

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for each appropriate unit of the supplied goods;

(d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and

(e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

(a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and

(b) in the event of termination of production of the spare parts:

(i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and

(ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5 If the supplier, having been notified, fails to remedy the defect(s)

within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.

16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.

16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.

16.4 Payment will be made in Rand unless otherwise stipulated in SCC.

17. Prices

17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.

18. Contract amendments

18.1 No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.

19. Assignment

19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

20. Subcontracts

20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.

21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.

21.4 The right is reserved to procure outside of the contract small quantities

or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.

21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.

21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

(a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;

(b) if the Supplier fails to perform any other obligation(s) under the contract; or

(c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.

23.5 Any restriction imposed on any person by the Accounting Officer / Authority will, at the discretion of the Accounting Officer / Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Officer / Authority actively associated.

23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

(i) the name and address of the supplier and / or person restricted by the purchaser;
(ii) the date of commencement of the restriction
(iii) the period of restriction; and
(iv) the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in

terms of the contract or any other contract or any other amount which may be due to him

25. Force Majeure

25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier 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.

26. Termination for insolvency

26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.

27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

27.5 Notwithstanding any reference to mediation and/or court proceedings herein,

(a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
(b) the purchaser shall pay the supplier any monies due the supplier.

28. Limitation of liability

28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;

(a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, 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 supplier to pay penalties and/or damages to the purchaser; and

(b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

29. Governing language

29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

30. Applicable law

30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.

31. Notices

31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice

31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.

32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.

32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.

33. National Industrial Participation (NIP) Programme

33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.

34 Prohibition of Restrictive practices

In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).

34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.

34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

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