

TENDER DOCUMENT

TENDER NO. : ZNB 5317/2024-H

DESCRIPTION OF SERVICE : CONSORTIUM PROVIDING PROFESSIONAL SERVICES CONSISTING OF MECHANICAL ENGINEERING, ELECTRICAL ENGINEERING & ELECTRONIC ENGINEERING PROFESSIONALS FOR THE CONSTRUCTION OF A NEW 550 BEDDED TERTIARY HOSPITAL

**KZN DEPARTMENT OF HEALTH
CENTRAL SUPPLY CHAIN MANAGEMENT DIRECTORATE
Private Bag X9051
Pietermaritzburg 3200**

Name of Tenderer:

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CONSORTIUM PROVIDING PROFESSIONAL SERVICES CONSISTING OF MECHANICAL ENGINEERING, ELECTRICAL ENGINEERING & ELECTRONIC ENGINEERING PROFESSIONALS FOR THE CONSTRUCTION OF A NEW 550 BEDDED TERTIARY HOSPITAL

Bid/Tender No:	ZNB 5317/2024-H	Project Code:	N/A
Advert Date:	28 June 2024	Closing Date:	02 August 2024
Closing Time:	11:00	Validity Period:	84 Calendar Days
Date and Time of Compulsory Site Briefing:		17 July 2024 @ 11H15 am	
Venue of Compulsory Site Briefing:		Greys Hospital, Recreation Hall, Pietermaritzburg	

THE TENDER

PART T1: TENDERING PROCEDURES

T1.1 Notice and Invitation to Tender

T1.1.1	The words ' tender ' and ' bid ' in this document or any documents referred to in this document are interchangeable and are deemed to have the same meaning, similarly the words ' tenderer ' and ' tendering Service Provider ' are interchangeable and are deemed to have the same meaning. Unless inconsistent with the context, the masculine gender includes the feminine, neuter genders and <i>vice versa</i> , and the singular includes the plural and <i>vice versa</i> . In this document, words and expressions signified in the text by the use of capital initial letters shall have the meanings defined in the CIDB Standard Professionals Services Contract except where the context otherwise requires.
T1.1.2	COLLECTION OF TENDER DOCUMENTS Bid documents are available for free download on the e-Tender portal www.etenders.gov.za
T1.1.3	Queries relating to these documents may be addressed to the Employer's authorised and designated representatives: a) Enquiries regarding the bidding procedure may be directed to: Department : KZN Department of Health, Supply Chain Management Contact Person : Junitha Sookraj Tel : (033) 940 2683 E-mail address : junitha.sookraj@kznhealth.gov.za

	<p>b) Enquiries regarding technical information may be directed to the Departmental Representative:</p> <p>Department : KZN Department of Health, Infrastructure Development Contact Person : Lindelwa Mathenjwa Tel : (033) 940 2576 E-mail address : lindelwa.madonsela@kznhealth.gov.za</p>
T1.1.4	<p>BID DOCUMENTS MAY BE POSTED TO:</p> <p>HEAD: DEPARTMENT OF HEALTH CENTRAL SUPPLY CHAIN MANAGEMENT DIRECTORATE PRIVATE BAG X9051 PIETERMARITZBURG, 3200</p> <p>OR</p> <p>DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS):</p> <p>SUPPLY CHAIN MANAGEMENT OLD BOYS SCHOOL 310 JABU NDLOVU STREET PIETERMARITZBURG 3201</p> <p>Bidders should ensure that bids are delivered timeously to the correct address. If the bid is late, it will not be accepted for consideration.</p> <p>The bid box is generally open 24 hours a day, 7 days a week.</p> <p>THE SUCCESSFUL TENDERER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM</p> <p>ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS – (NOT TO BE RE-TYPED)</p> <p>THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022</p>

T1.1.5	<p>Under no circumstances, whatsoever may the tender forms be retyped or redrafted. Photocopies of the original tender documentation may be used, but an original signature must appear on such photocopies.</p> <p>The tenderer is advised to check the number of pages and to satisfy himself that none are missing or duplicated.</p> <p>Tender submitted must be complete in all respects.</p> <p>Tender shall be lodged at the address indicated not later than the closing time specified for their receipt, and in accordance with the directives in the tender documents.</p> <p>Each tender shall be addressed in accordance with the directives in the tender documents and shall be lodged in a separate sealed envelope, with the name and address of the tenderer, the tender number and closing date indicated on the envelope. The envelope shall not contain documents relating to any tender other than that shown on the envelope. If this provision is not complied with, such tenders will be rejected as being invalid.</p> <p>A specific box is provided for the receipt of tenders, and any tender found in any other box or elsewhere subsequent to the closing date and time of tender will not be considered.</p> <p>No tender sent through the post will be considered if it is received after the closing date and time stipulated in the tender documentation, and proof of posting will not be accepted as proof of delivery.</p> <p>No tender submitted by telefax, telegraphic or other electronic means will be considered.</p> <p>Tender documents must not be included in packages containing samples. Such tenders will be rejected as being invalid.</p> <p>Any alteration made by the tenderer must be initialled.</p> <p>Use of correcting fluid is prohibited and will render the tender invalid.</p> <p>If it is desired to make more than one offer against any individual item, such offers should be given on a photocopy of the page in question. Clear indication thereof must be stated on the schedules attached.</p>
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T1.1.6 THE FOLLOWING PARTICULARS MUST BE FURNISHED BY EACH FIRM THAT FORMS PART OF THE CONSORTIUM (FAILURE TO DO SO WILL RESULT IN THE BID BEING DISQUALIFIED)

SUPPLIER INFORMATION: MECHANICAL ENGINEERING FIRM					
NAME OF BIDDER:					
POSTAL ADDRESS:					Code: <input type="text"/>
STREET ADDRESS:					Code: <input type="text"/>
TELEPHONE NO.:					
CELL PHONE NO.:					
E-MAIL ADDRESS:					
VAT REGISTRATION NUMBER:					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN: <input type="text"/>	OR		CENTRAL SUPPLIER DATABASE NO.: <input type="text"/>	
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS / SERVICES OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			<input type="checkbox"/> Yes <input type="checkbox"/> 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 ITEM (c) BELOW.					

TAX COMPLIANCE REQUIREMENTS
<p>(a) BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.</p> <p>(b) 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.</p> <p>(c) APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.</p> <p>(d) BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.</p> <p>(e) IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.</p> <p>(f) WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.</p> <p>(g) 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."</p>

SUPPLIER INFORMATION: ELECTRICAL ENGINEERING FIRM					
NAME OF BIDDER:					
POSTAL ADDRESS:					Code: <input type="text"/>
STREET ADDRESS:					Code: <input type="text"/>
TELEPHONE NO.:					
CELL PHONE NO.:					
E-MAIL ADDRESS:					
VAT REGISTRATION NUMBER:					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN: <input type="text"/>		OR	CENTRAL SUPPLIER DATABASE NO.: <input type="text"/>	
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS / SERVICES OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			<input type="checkbox"/> Yes <input type="checkbox"/> 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 ITEM (c) BELOW.					
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NAME OF BIDDER:					
POSTAL ADDRESS:					
			Code:		
STREET ADDRESS:					
			Code:		
TELEPHONE NO.:					
CELL PHONE NO.:					
E-MAIL ADDRESS:					
VAT REGISTRATION NUMBER:					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE NO.:	
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS / SERVICES OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			<input type="checkbox"/> Yes <input type="checkbox"/> No		
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TAX COMPLIANCE REQUIREMENTS	
(a)	BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
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(f)	WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
(g)	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:

T1.2 Tender Data

T1.2.1 Standard Conditions of Tender

The conditions of tender are the Standard Conditions of Tender as contained in Annexure C of the Construction Industry Development Board (CIDB) Standard for Uniformity in Engineering and Construction Works Contracts as per Government Notice No. 423 published in Government Gazette No. 42622 of 08 August 2019 and as amended from time to time. Tenderers can obtain the Standard Conditions of Tender from the CIDB website.

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. In the event of any ambiguity, inconsistency, or contradiction between this tender document and any other document, whether referenced herein or not, the terms and provisions of this tender document shall take precedence.

Each item of data given below is cross-referenced to the clauses marked [C] in the Standard Conditions of Tender to which it applies.

Clause number	
[C.1.1]	The Employer is the KwaZulu-Natal Department of Health
[C.1.2]	For this Contract the single volume approach is adopted. This procurement document has been formatted and compiled under the headings for a single volume approach as contained in Table 5 of the CIDB Standard for Uniformity.
[C.1.4]	The Employer's agent for the purpose of this tender is deemed to be the Departmental Project Representative as noted in T1.1.3, b), Notice and Invitation to Tender.
[C.2.1]	Tenders will only be considered for acceptance if: <ol style="list-style-type: none">1. The tender is fully completed2. All Returnable Documents mentioned in T2: Returnable Documents have been submitted3. All eligibility criteria as stated in T2.2.13 have been satisfied4. All other minimum requirements as stated in the document have been satisfied including achieving the minimum stated points for the Functionality assessment5. All other compulsory requirements as stated in the tender document have been satisfied

[C.2.7]	<p>A tender clarification meeting/compulsory briefing meeting will be held in respect of this tender on the specified location below. Attendance of the clarification meeting is compulsory. Due to the highly complex nature of the project, the tenderer is strongly advised to send senior members from each professional discipline that would play a vital role on the project, to attend. The particulars of the clarification meeting are:</p> <p>Location: Greys Hospital Venue: Recreation Hall Date: 17 July 2024 Time: 11:15 am</p>
[C.2.13.5]	<p>The Employer's address for delivery of tender offers is:</p> <p style="text-align: center;">SUPPLY CHAIN MANAGEMENT OLD BOYS SCHOOL 310 JABU NDLOVU STREET PIETERMARITZBURG 3201</p>
[C.2.13.6]	A two-envelope process will not be followed.
[C.2.15]	The closing time for the submission of tenders is 11:00am.
[C.2.16]	The tender validity period is 84 days from the date of tender closure.
[C.2.19]	The tenderer shall provide access for inspections to the tenderer's offices as may be required by the Employer. The Employer reserves the right to verify any information/documentation submitted as part of this bid with the tenderer or with relevant third parties. Should the Employer be unable to authenticate submitted information/documentation or should the Employer determine that the premises of the tenderer is unsuitable to carry out the required services, the bid may be disqualified.
[C.2.22]	Not a requirement.
[C.2.23]	The tenderer is required to submit with his tender all documents listed in Part T2: Returnable Documents
[C.3.4]	<p>The location for the opening of tender offers is:</p> <p style="text-align: center;">SUPPLY CHAIN MANAGEMENT OLD BOYS SCHOOL 310 JABU NDLOVU STREET PIETERMARITZBURG 3201</p>
[C.3.5]	A two-envelope procedure will not be followed.

[C.3.9.4]	Add sub-paragraph c) as follows: 'c) If the tenderer does not accept the corrected tender offer or cannot reach consensus with the Employer on a corrected tender offer, the tender is to be classified as unacceptable/non-responsive and removed from further contention'.
[C.3.17]	The successful tenderer will be provided with an electronic copy of the contract.

Special Conditions of Tender

SP1	The already numbered bid document shall be submitted. In addition, all other Returnable documents shall follow a consecutive page numbering system beginning from page 1, and must include a contents page clearly referencing all Returnables attached. In addition the tenderer shall indicate on T2.2.11, the total number of pages of the Returnables submitted.
SP2	In addition to submitting an original hard copy tender document, the tenderer shall submit a USB flash drive / memory stick (safely secured in the submitted bid envelope) containing an electronic version (soft copy) as an exact copy of the entire tender document submission inclusive of all Returnables in PDF format. PDF documents are to be uneditable. Any discrepancy between the electronic copy and the hard copy, the hard copy shall take precedence. The electronic copy shall serve as verification for what documents were submitted. All documents must be scanned and include the page numbers as per the conditions in SP1.

PART T2: RETURNABLE DOCUMENTS

T2.1 List of Returnable Documents

This tender document in its entirety, including all returnable documents which must be attached to this tender document and all returnable schedules, must be returned when the tender is submitted.

Failure to submit fully completed documents as stated hereunder shall result in the tender offer being disqualified from further consideration.

CHECKLIST OF RETURNABLE DOCUMENTS			
Item No.	Required Documents	Tick	
		Yes	No
Please ensure the following items are fully completed and submitted as original documents:			
1.	Bid from the Tenderer		
2.	T1.1 - Notice and Invitation to Tender		
3.	T2.2.2 - Declaration that information on central supplier database is correct and up to date		
4.	T2.2.3 - Bidders Disclosure (SBD 4)		
5.	T2.2.4 – The National Industrial Participation Programme (SBD 5)		
6.	T2.2.5 - Preferential Procurement (SBD 6.1)		
7.	T2.2.6 - Official Briefing Session / Site Inspection Certificate		
8.	T2.2.8 - Authority To Sign A Bid		
9.	T2.2.9 - Record of Addenda (if applicable)		
10.	T2.2.11 Declaration of Total Number of Returnable Pages Submitted		
11.	T2.2.12 Compulsory Skills Development / Mentorship Programme – submission of 3 mentorship plans, 1 per professional discipline		
12.	C1.1 – Form of Offer and Acceptance		
13.	C1.2.3 – Data provided by the Service Provider		
14.	C2.2 - Pricing Schedule		

Please ensure the following items are fully completed and submitted as per the stated instructions, if any:			
1.	Proof of Registration with Companies and Intellectual Property Commission (CIPC) – must be provided for each firm that forms part of the consortium		
2.	Proof of Company Address Utility bill issued by the Municipality in KwaZulu-Natal or Eskom or copy of valid lease agreement as well as a copy of utility bill from the landlord. Utility bills must not be older than 3 months from date of the tender advert. Proof of address must be provided for all firms that form part of the consortium		
3.	Proof of ownership in the form of printouts from CSD or CIPC clearly indicating ownership details to receive Preference Points for Specific Goals		
4.	Submission of a USB flash drive / memory stick containing an exact electronic version (in an uneditable pdf format) of the entire tender document submission as per the requirements stated in SP1 and SP2		
The following documents are to be completed / submitted for the evaluation of eligibility criteria:			
1.	Fully Completed Form A (Annexure A)		
2.	Fully Completed Annexure C		
3.	Proof of Registration Certificate with applicable Professional Council		
4.	Official letter (on insurance company letterhead) from the insurance provider or the submission of the insurance policy document proving valid Professional Indemnity Insurance to the minimum value stated for each discipline individually		
The following documents are to be completed / submitted for the evaluation of functionality criteria:			
1.	Curriculum Vitae (CV) utilising the template in Annexure B for each professional stated on Form A (Annexure A)		
2.	Fully Completed Form B (Annexure D)		

T2.2 Returnable Schedules

T2.2.1 Registration on the Central Suppliers Database

1. In terms of the National Treasury Instruction Note, all suppliers of goods and services to the State are required to register on the Central Suppliers Database.
2. Prospective suppliers should self-register on the CSD website www.csd.gov.za
3. If a business is registered on the Database and it is found subsequently that false or incorrect information has been supplied, then the Department may, without prejudice to any other legal rights or remedies it may have;
 - 3.1. cancel a bid or a contract awarded to such supplier, and the supplier would become liable for any damages if a less favourable bid is accepted or less favourable arrangements are made.
4. The same principles as set out in paragraph 3 above are applicable should the supplier fail to request updating of its information on the Central Suppliers Database, relating to changed particulars or circumstances.
5. IF THE SUPPLIER IS NOT REGISTERED AT THE CLOSING TIME OF BID, THE SUPPLIER WILL BE DISQUALIFIED AT THE BID EVALUATION PROCESS.

T2.2.2 Declaration that information on Central Supplier Database is correct and up to date

(To be completed by bidder)

THIS IS TO CERTIFY THAT I (name of bidder/authorised representative)

..... WHO

REPRESENTS (state name of bidder)

CSD Registration Number

AM AWARE OF THE CONTENTS OF THE CENTRAL SUPPLIER DATABASE WITH RESPECT TO THE BIDDER'S DETAILS AND REGISTRATION INFORMATION, AND THAT THE SAID INFORMATION IS CORRECT AND UP TO DATE AS ON THE DATE OF SUBMITTING THIS BID.

AND I AM AWARE THAT INCORRECT OR OUTDATED INFORMATION MAY BE A CAUSE FOR DISQUALIFICATION OF THIS BID FROM THE BIDDING PROCESS, AND/OR POSSIBLE CANCELLATION OF THE CONTRACT THAT MAY BE AWARDED ON THE BASIS OF THIS BID.

.....

SIGNATURE OF BIDDER OR AUTHORISED REPRESENTATIVE

DATE:

T2.2.3 Bidder's Disclosure (SBD 4)

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 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

¹the 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.

- 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.

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.

3.5 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.

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

This document must be signed and submitted together with your bid

T2.2.4 The National Industrial Participation Programme (SBD 5)

INTRODUCTION

The National Industrial Participation (NIP) Programme, which is applicable to all government procurement contracts that have an imported content, became effective on the 1 September 1996. The NIP policy and guidelines were fully endorsed by Cabinet on 30 April 1997. In terms of the Cabinet decision, all state and parastatal purchases / lease contracts (for goods, works and services) entered into after this date, are subject to the NIP requirements. NIP is obligatory and therefore must be complied with. The Industrial Participation Secretariat (IPS) of the Department of Trade and Industry (DTI) is charged with the responsibility of administering the programme.

1 PILLARS OF THE PROGRAMME

1.1 The NIP obligation is benchmarked on the imported content of the contract. Any contract having an imported content equal to or exceeding US\$ 10 million or other currency equivalent to US\$ 10 million will have a NIP obligation. This threshold of US\$ 10 million can be reached as follows:

1. Any single contract with imported content exceeding US\$10 million.
or
2. Multiple contracts for the same goods, works or services each with imported content exceeding US\$3 million awarded to one seller over a 2 year period which in total exceeds US\$10 million.
or
3. A contract with a renewable option clause, where should the option be exercised the total value of the imported content will exceed US\$10 million.
or
4. Multiple suppliers of the same goods, works or services under the same contract, where the value of the imported content of each allocation is equal to or exceeds US\$ 3 million worth of goods, works or services to the same government institution, which in total over a two (2) year period exceeds US\$10 million.

1.2 The NIP obligation applicable to suppliers in respect of sub-paragraphs 1.1 (a) to 1.1 (c) above will amount to 30 % of the imported content whilst suppliers in respect of paragraph 1.1 (d) shall incur 30% of the total NIP obligation on a *pro-rata* basis.

- 1.3 To satisfy the NIP obligation, the DTI would negotiate and conclude agreements such as investments, joint ventures, sub-contracting, licensee production, export promotion, sourcing arrangements and research and development (R&D) with partners or suppliers.
- 1.4 A period of seven years has been identified as the time frame within which to discharge the obligation.

2 REQUIREMENTS OF THE DEPARTMENT OF TRADE AND INDUSTRY

- 2.1 In order to ensure effective implementation of the programme, successful bidders (contractors) are required to, immediately after the award of a contract that is in excess of **R10 million** (ten million Rands), submit details of such a contract to the DTI for reporting purposes.
- 2.2 The purpose for reporting details of contracts in excess of the amount of R10 million (ten million Rands) is to cater for multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as provided for in paragraphs 1.1.(b) to 1.1. (d) above.

3 BID SUBMISSION AND CONTRACT REPORTING REQUIREMENTS OF BIDDERS AND SUCCESSFUL BIDDERS (CONTRACTORS)

- 3.1 Bidders are required to sign and submit this Standard Bidding Document (SBD 5) together with the bid on the closing date and time.
- 3.2 In order to accommodate multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as indicated in sub-paragraphs 1.1 (b) to 1.1 (d) above and to enable the DTI in determining the NIP obligation, successful bidders (contractors) are required, immediately after being officially notified about any successful bid with a value in excess of R10 million (ten million Rands), to contact and furnish the DTI with the following information:
- Bid / contract number.
 - Description of the goods, works or services.
 - Date on which the contract was accepted.
 - Name, address and contact details of the government institution.
 - Value of the contract.
 - Imported content of the contract, if possible.
- 3.3 The information required in paragraph 3.2 above must be sent to the Department of Trade and Industry, Private Bag X 84, Pretoria, 0001 for the attention of Mr Elias Malapane within five (5) working days after award of the contract. Mr Malapane

may be contacted on telephone (012) 394 1401, facsimile (012) 394 2401 or e-mail at Elias@thedti.gov.za for further details about the programme.

4 PROCESS TO SATISFY THE NIP OBLIGATION

4.1 Once the successful bidder (contractor) has made contact with and furnished the DTI with the information required, the following steps will be followed:

- a. the contractor and the DTI will determine the NIP obligation;
- b. the contractor and the DTI will sign the NIP obligation agreement;
- c. the contractor will submit a performance guarantee to the DTI;
- d. the contractor will submit a business concept for consideration and approval by the DTI;
- e. upon approval of the business concept by the DTI, the contractor will submit detailed business plans outlining the business concepts;
- f. the contractor will implement the business plans; and
- g. the contractor will submit bi-annual progress reports on approved plans to the DTI.

4.2 The NIP obligation agreement is between the DTI and the successful bidder (contractor) and, therefore, does not involve the purchasing institution.

Bid number		Closing date:	
Name of bidder.....			
Postal address			
.....			
Signature.....		Name (in print).....	
Date.....			

T2.2.5 Preferential Procurement (SBD 6.1)

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

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

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**

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

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	90
SPECIFIC GOALS	10
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

$$P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{min} = 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

$$P_s = 80 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) \quad \text{or} \quad P_s = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$$

Where

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{max} = 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 preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Documents to be submitted to earn points
<p>1. Companies who are at least 51% owned by Black People who are women</p> <p>OR</p> <p>Companies who are at least 51% owned by Black People who are disabled</p> <p>OR</p> <p>Companies who are at least 10% owned by youth (persons between the ages of 14 and 35)</p>	5		Proof of ownership in the form of printouts from CSD or CIPC clearly indicating ownership details or B-BBEE scorecard attributes
2. Enterprise or Companies whose office is currently located in KwaZulu-Natal	5		Utility bill issued by the Municipality in KwaZulu-Natal or Eskom or copy of valid lease agreement as well as a copy of utility bill from the landlord. Utility bills must not be older than 3 months from date of the tender advert. Proof of address must be provided for all firms that form part of the consortium

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]

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:

T2.2.6 Official Briefing Session / Site Inspection Certificate

Bid No:	ZNB 5317/2024-H
Service:	Consortium Providing Professional Services Consisting of Mechanical Engineering, Electrical Engineering & Electronic Engineering Professionals for the Construction of a New 550 Bedded Tertiary Hospital
Date:	17 July 2024
Time:	11:15 am
Venue:	Greys Hospital, Recreation Hall, Pietermaritzburg

This is to certify that (bidder's representative name)

On behalf of (company name)

Visited and inspected the site on (date)

And is therefore familiar with the circumstances and the scope of the service to be rendered.

Signature of Bidder or Authorised Representative

Date: _____

Name of Departmental or Public Entity Representative

Departmental Stamp With Signature

--

T2.2.7 Bid Appeal Tribunal (BAT)

BAT finds its establishment in the Treasury Regulation 16A9.3 and Section 18(1) of the KwaZulu-Natal Supply Chain Management Policy Framework. Treasury Regulation 16A9.3 empowers National and Provincial Treasury to establish a mechanism to consider complaints and make recommendations for remedial actions to be taken for the non-compliance with the norms and standards. Section 18(1) of the KZN SCM Policy Framework empowers the MEC for Finance to establish an independent and impartial Bid Appeals Tribunal. In line with Paragraph 19 of the KZN SCM Policy Framework of 2006 the following procedure must be followed to lodge an appeal:

- 1.1. The bidder must, within five working days of receipt of the **notification** of an award, deliver written notification of an intention to appeal.
- 1.2. The bidder may, together with the notification of intention to appeal under paragraph (2) of the KZN SCM Policy Framework, deliver a request for written reasons for the award of the said bid.
- 1.3. The Bid Adjudication Committee or a delegate of an accounting officer must deliver to the appellant the written reasons requested under paragraph (3) of the KZN SCM Policy Framework within ten working days.
- 1.4. The appellant must, within ten working days of receipt of the written reasons delivered under paragraph (4) of the KZN SCM Policy Framework, or, failing a request for written reasons under paragraph (3) of the KZN SCM Policy Framework, within ten working days of giving notice under paragraph (2) of the KZN SCM Policy Framework, submit written representations to the Bid Appeals Tribunal, indicating sufficiently and without unnecessary elaboration the grounds and basis of the appeal and the nature of the complaint.
- 1.5. Upon receipt of a notice of intention to appeal, the Bid Appeals Tribunal must notify other bidders who may be adversely affected by the appeal, in writing of the appeal and invite them to respond within five working days.

The address provided for the lodging of appeals is:

Email: Batsecretariat@kzntreasury.gov.za

The Chairperson

Bid Appeals Tribunal

Private Bag X9082

Pietermaritzburg

3200

T2.2.8 Authority to Sign a Bid

The bidder must indicate the enterprise status by signing the appropriate box hereunder.

(I)	(II)	(III)	(IV)	(V)	(VI)	
CLOSE CORPORATION	COMPANIES	SOLE PROPRIETOR	PARTNERSHIP	CO-OPERATIVE	JOINT VENTURE / CONSORTIUM	
					Incorporated	
					Unincorporated	

I/We, the undersigned, being the Member(s) of Cooperative/ Sole Owner (Sole Proprietor)/ Close Corporation/ Partners (Partnership)/ Company (Representative) or Lead Partner (Joint Venture / Consortium), in the enterprise trading as:

.....

hereby authorise Mr/Mrs/Ms

acting in the capacity of

whose signature is

to sign all documents in connection with this bid and any contract resulting therefrom on behalf of the enterprise.

NAME	ADDRESS	SIGNATURE	DATE

(if the space provided is not enough please list all the directors in the resolution letter)

Note:

The following document must be attached to this form according to the status of the enterprise, in the form of a resolution authorising the signatory to sign all documents in connection with this bid and any contract resulting therefrom on behalf of the enterprise, and **such resolution shall include a specimen signature of the signatory.**

Co-operative:	Resolution letter from the directors
Close Corporation:	Resolution letter from the directors
Company:	Resolution letter from the director/s
Sole Proprietor:	Resolution letter from the director
Partnership:	Resolution letter from the director
Joint Venture / Consortium:	Resolution/agreement passed/reached' signed by the authorised representatives of the enterprises

Note: Director/s may appoint themselves if they will be the one signing all documents in connection with this bid and any contract resulting therefrom on behalf of the enterprise.

Failure to complete, sign and date this form or failure to provide the certificate(s) in the form of a resolution as described above shall result in the tender being considered non-responsive and rejected.

T2.2.9 Record of Addenda

The undersigned confirm that the following communications received from the employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details	No. of Pages
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

Attach Additional Pages if more space is required

Bidder to attach proof of receipt of above listed addenda

Signed:		Date:	
Name:		Position:	
Bidder:			

T2.2.10 Acknowledgement of Conditions of Contract

Bidders are expected to be familiar with rights and obligations of all parties involved in doing business with government and the conditions of contract applicable to this bid. This includes:

- i) conditions of contract stated in this tender document
- ii) the referenced Standard Professional Services Contract (July 2009) Third Edition of CIDB document 1015, published by the Construction Industry Development Board (CIDB)
- iii) the referenced applicable Guideline Professional Fees documents for all relevant professional disciplines
- iv) any other document made reference to in this tender document

I hereby confirm that I have read the aforementioned documents including the Standard Professional Services Contract (July 2009) Third Edition of CIDB document 1015, published by the Construction Industry Development Board (CIDB) and I confirm that I fully understands its contents and conditions. I also confirm that I am wilfully committing to abiding by its contents.

Name:		Signature:	
Title/ Role:		Date:	

T2.2.11 Declaration of Total Number of Returnable Pages Submitted

I hereby confirm that I have bound together and numbered all pages of my Returnable Documents (other than the tender document itself) utilising a consecutive numbering system.

The total number of pages submitted as Returnables (other than the tender document itself) is:

_____ **Pages**

Name:		Signature:	
Title/Role:		Date:	

T2.2.12 Compulsory Skills Development / Mentorship Programme

As a condition of contract of this tender, all tenderers are required to submit a mentorship / skills development plan and sign a commitment to implement a Mentorship / Skills Development programme as outlined below.

- a) Tenderers are required to submit a proposed skills development / mentoring plan with a commitment to employ at least 1 youth individual per professional discipline (under the age of 35) for the duration of the project. The youth individual must possess a relevant qualification in the discipline concerned, not be a registered professional in their field and reside within either the Umkhanyakude, King Cetshwayo, or Zululand Districts. In addition, at least one of the youth individuals must be female. A mentoring plan for each professional discipline that is signed off by the Professional Principal of each firm, must be submitted. The mentoring plan shall include:
- the number of local youth to be employed
 - a narrative on how the firm shall assist the individual/s on their journey to becoming a professional
 - a signed commitment to have the individual/s employed for at least 80% of the project duration and to remunerate the individual/s in accordance with the rates published in the CIDB Build Programme remuneration table (see table on page 85, Method 4) as a minimum. Furthermore, the remuneration amount shall be revised as and when CIDB gazettes new remuneration rates
- b) Remuneration of the youth individuals (mentees) shall remain the sole responsibility of the consortium
- c) A skills development / mentoring plan for each professional discipline, signed by the Principal for each professional discipline, must be submitted. Therefore 3 mentoring plans are required as part of this tender
- d) Tenderers will be required to report monthly on the development of the youth individuals in accordance with the project Resource Management Plan
- e) The Tenderer shall replace the individual/s should they leave prematurely or when circumstances deem necessary to do so. The Tenderer shall ensure that a minimum of 1 local youth individual per discipline is employed for at least 80% of the project

I hereby confirm that I understand the aforementioned conditions and commit to implementing the Compulsory Skills Development / Mentorship Programme as a condition of contract of this bid, should I be awarded this contract. I further acknowledge that should I fail to implement this condition of contract, this will constitute a breach of contract and may result in termination of the contract.

Name:		Signature:	
Title/Role:		Date:	

T2.2.13 Evaluation Criteria

The evaluation of bids will be conducted in three (3) phases:

PHASE 1: Responsiveness

- Correctness of bid document
- Compliance with SCM regulations (registration with Central Suppliers Database (CSD), Tax compliance, other prescripts requirements and submission of all documentation and information as per Part T2: Returnable Documents. All companies/firms that form part of the consortium shall comply with the stated requirements

If the bidder fails to satisfy any of the requirements of this Phase, the bidder will be declared non-responsive and be disqualified.

PHASE 2a: Eligibility Criteria

All Eligibility Criteria returnables shall be numbered in accordance with the aforementioned numbering system (SP1), labelled and included under designated cover pages. In order to be eligible, the following criteria MUST be satisfied (i.e. this bid will only be regarded as responsive if):

- i) The tenderer/professional service provider (PSP) is to complete Form A which is located in Annexure A clearly indicating all the resources assigned to the project including who the assigned Principal and Lead Professionals for each professional discipline on the project is.
- ii) The Department requires the following professional service provider/s (PSP):
 - (a) Mechanical Engineering - Mandatory per below requirements
 - (b) Electrical Engineering – Mandatory per below requirements
 - (c) Electronic Engineering – Mandatory per below requirements
 - (d) Other additional resources – To ensure effective and efficient delivery and completion of the project
- iii) The Department require the Professional Service Provider/s (PSP) to be insured as detailed below.
- iv) Valid BIM (by Autodesk) experience

If the bidder fails to satisfy any of the stated Eligibility requirements of this Phase, the bidder will be declared non-responsive and be disqualified.

Eligibility Criteria

(A) The Key Persons assigned to the project must consist of as a minimum (additional personnel can be assigned and stated on Form A):			
Key Persons	Competencies and Experience	Documentation to be provided	Submitted Yes/No
Mechanical Engineering:	1 x ECSA Registered Professional Mechanical Engineer that is a Principal of the firm with a minimum of 10 years post professional registration experience	<ul style="list-style-type: none"> Fully completed Form A (located in Annexure A) Professional Registration Certificate with the stated applicable professional council (ECSA). Proof of date of first registration as a professional must be provided 	
	2 x ECSA Registered Professional Mechanical Engineer with a minimum of 6 years post professional registration experience		
	2 x ECSA Registered Mechanical Engineering Technologists with a minimum of 6 years post professional registration experience		
Electrical Engineering:	1 x ECSA Registered Professional Electrical Engineer that is a Principal of the firm with a minimum of 10 years post professional registration experience	<ul style="list-style-type: none"> Fully completed Form A (located in Annexure A) Professional Registration Certificate with the stated applicable professional council (ECSA). Proof of date of first registration as a professional must be provided 	
	1 x ECSA Registered Professional Electrical Engineer with a minimum of 6 years post professional registration experience		
	2 x ECSA Registered Electrical Engineering Technologists with a minimum of 6 years post professional registration experience		

Note: The above minimum resourcing requirements are deemed crucial to establish a viable team but it is expected that the PSPs will require additional resources/personnel in order to complete the project successfully. These additional resources are to be accounted for on Form A.		
(B) Proof of BIM (by Autodesk) Experience:		
Requirement	Documentation to be provided	Submitted Yes/No
<ul style="list-style-type: none"> BIM deployment for the planning, design, construction, operation and maintenance Phases of the asset lifecycle management including costing. 	<ul style="list-style-type: none"> 2 x Completed or current projects of a similar scale (9GB) where each organization per discipline has utilized BIM. Complete schedule on the provided template (Annexure C) and attach appointment letters stating the organization's name. Use of any other template will result in disqualification with no further evaluation. 	

(C) Valid Professional Indemnity Insurance must be provided for each professional service to the minimum value stated below:		
Type of Insurance Required	Documentation to be provided	Submitted Yes/No
Mechanical Engineering = R50 million	Proof of valid <u>un</u> interrupted Professional Indemnity Insurance to the minimum value stated per discipline individually. Proof must be in the form of an original official letter from the insurance provider or from the submission of the insurance policy document. The value of the insurance per professional discipline and the service being covered must be stated. A signed letter of intent from the insurance provider clearly stating their intention to provide the bidder with the minimum stated cover (should they be awarded the contract) per professional discipline individually shall also be accepted.	
Electrical Engineering = R50 million		
Electronic Engineering = R20 million		

PHASE 2b: Functionality Criteria

All Functionality Criteria returnables shall be numbered in accordance with the aforementioned numbering system, labelled and included under designated cover pages. The Functionality Criteria is divided into four (4) Sections as detailed below:

- Section 1: Experience of Key Persons
- Section 2: Past project experience of Key Persons
- Section 3: References for previous completed projects
- Section 4: Empowerment

The bidder is required to achieve a minimum score of **70 points** in the Functionality scoring in order to proceed to the next phase of evaluation. Should the bidder be awarded a score of less than **70 points**, the bidder shall be declared non-responsive and be disqualified.

In addition, for Sections 1 to 3 if a score of 0 points is obtained for any of these sections (eg. Section 1 score = 0 points), the bidder shall be declared non-responsive and be disqualified.

Functionality Criteria

Each tenderer is required to meet the minimum qualifying evaluation score of **70 points** as per criteria below. Failure to achieve a minimum of **70 points or should a tenderer be awarded 0 points for any of the Sections 1 to 3**, then this will result in the bidder being declared non-responsive and be disqualified.

Section 1: Experience of Key Persons (as indicated on Form A, Annexure A) = 30 Points (103 sub-points x 0.291)

Sub-Criteria	Sub-points	Returnables	Comments
<p>a) The Professional Mechanical Engineer Principal has:</p> <ul style="list-style-type: none"> - less than 10 years post registration experience = 0 points - 10 to 12 years post registration experience = 3 points - 13 to 15 years post registration experience = 6 points - above 15 years post registration experience = 10 points <p>If the Professional Mechanical Engineer Principal is female, an additional 2 points shall be awarded</p>	12 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B). Use of any other template will result in 0 points being awarded.</p> <p>Verification of gender status shall be assessed as per the declaration on Form A (Annexure A).</p>	An additional 2 points are awarded to the post registration experience points if the individual is a female. Therefore a maximum total of 12 points is attainable for this sub-criteria.
<p>b) The 2 x Professional Mechanical Engineers have:</p> <ul style="list-style-type: none"> - below 6 years post registration experience = 0 points - 6 to 8 years post registration experience = 3 points each - 9 to 11 years post registration experience = 5 points each - above 11 years post registration experience = 7 points each <p>If the Professional Mechanical Engineer is female, an additional 1 point shall be awarded per Architect</p>	16 points	<p>Completed Curriculum Vitae (CV) for each team member on the provided template (Annexure B). Use of any other template will result in 0 points being awarded.</p> <p>Verification of gender status shall be assessed as per the declaration on Form A (Annexure A).</p>	The maximum number of points that a tenderer can achieve in this section is 16 points (7 points per Mechanical Engineer plus 1 point per Mechanical Engineer if individual is female).

Sub-Criteria	Sub-points	Returnables	Comments
<p>c) The 2 x Registered Mechanical Engineering Technologists have:</p> <ul style="list-style-type: none"> - below 3 years post registration experience = 0 points - 3 to 4 year post registration experience = 2 points each - 5 to 6 years post registration experience = 4 points each - above 6 years post registration experience = 6 points each <p>If the Registered Mechanical Engineering Technologist is female, an additional 1 points shall be awarded per Technologist</p>	14 points	<p>Completed Curriculum Vitae (CV) for each team member on the provided template (Annexure B). Use of any other template will result in 0 points being awarded.</p> <p>Verification of gender status shall be assessed as per the declaration on Form A (Annexure A).</p>	The maximum number of points that a tenderer can achieve in this section is 21 points (6 points per Mechanical Engineering Technologists plus 1 point per Technologist if the individual is female).
<p>d) The Professional Electrical Engineer Principal has:</p> <ul style="list-style-type: none"> - less than 10 years post registration experience = 0 points - 10 to 12 years post registration experience = 3 points - 13 to 15 years post registration experience = 6 points - Above 15 years post registration experience = 10 points <p>If the Professional Electrical Engineering Principal is female, an additional 2 points shall be awarded</p>	12 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B). Use of any other template will result in 0 points being awarded.</p> <p>Verification of gender status shall be assessed as per the declaration on Form A (Annexure A).</p>	An additional 2 points are awarded to the post registration experience points if the individual is a female. Therefore a maximum total of 12 points is attainable for this sub-criteria.
<p>e) The Professional Electrical Engineering has:</p> <ul style="list-style-type: none"> - below 6 years post registration experience = 0 points - 6 to 8 years post registration experience = 3 points - 9 to 11 years post registration experience = 5 points - above 11 years post registration experience = 7 points <p>If the Professional Electrical Engineering is female, an additional 1 point shall be awarded</p>	8 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B). Use of any other template will result in 0 points being awarded.</p> <p>Verification of gender status shall be assessed as per the declaration on Form A (Annexure A).</p>	An additional 1 point is awarded to the post registration experience points if the individual is a female. Therefore a maximum total of 8 points is attainable for this sub-criteria.

Sub-Criteria	Sub-points	Returnables	Comments
<p>f) The 2 x Registered Electrical Engineering Technologists have:</p> <ul style="list-style-type: none"> - below 3 years post registration experience = 0 points - 3 to 4 year post registration experience = 2 points each - 5 to 6 years post registration experience = 4 points each - above 6 years post registration experience = 6 points each <p>If the Professional Electrical Engineering Technologist is female, an additional 1 point shall be awarded per Technologist</p>	14 points	<p>Completed Curriculum Vitae (CV) for each team member on the provided template (Annexure B). Use of any other template will result in 0 points being awarded.</p> <p>Verification of gender status shall be assessed as per the declaration on Form A (Annexure A).</p>	The maximum number of points that a tenderer can achieve in this section is 12 points (6 points per Electrical Engineering Technologist plus 1 point per Technologist if the individual is female).
<p>g) The Professional Electronic Engineer Principal has:</p> <ul style="list-style-type: none"> - less than 10 years post registration experience = 0 points - 10 to 12 years post registration experience = 3 points - 13 to 15 years post registration experience = 6 points - above 15 years post registration experience = 10 points <p>If the Professional Electronic Engineering Principal is female, an additional 2 points shall be awarded</p>	12 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B). Use of any other template will result in 0 points being awarded.</p> <p>Verification of gender status shall be assessed as per the declaration on Form A (Annexure A).</p>	An additional 2 points are awarded to the post registration experience points if the individual is a female. Therefore a maximum total of 12 points is attainable for this sub-criteria.
<p>h) The Professional Electronic Engineer has:</p> <ul style="list-style-type: none"> - below 6 years post registration experience = 0 points - 6 to 8 years post registration experience = 3 points - 9 to 11 years post registration experience = 5 points - above 11 years post registration experience = 7 points <p>If the Professional Electronic Engineer is female, an additional 1 point shall be awarded</p>	8 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B). Use of any other template will result in 0 points being awarded.</p> <p>Verification of gender status shall be assessed as per the declaration on Form A (Annexure A).</p>	An additional 1 point is awarded to the post registration experience points if the individual is a female. Therefore a maximum total of 8 points is attainable for this sub-criteria.

Sub-Criteria	Sub-points	Returnables	Comments
<p>i) The Registered Electronic Engineering Technologists has:</p> <ul style="list-style-type: none"> - below 3 years post registration experience = 0 points - 3 to 4 year post registration experience = 2 points each - 5 to 6 years post registration experience = 4 points each - above 6 years post registration experience = 6 points each <p>If the Electronic Engineering Technologist is female, an additional 1 point shall be awarded</p>	7 points	<p>Completed Curriculum Vitae (CV) for each team member on the provided template (Annexure B). Use of any other template will result in 0 points being awarded.</p> <p>Verification of gender status shall be assessed as per the declaration on Form A (Annexure A).</p>	An additional 1 point is awarded to the post registration experience points if the individual is a female. Therefore a maximum total of 7 points is attainable for this sub-criteria.

Section 2: Past project experience of Key Persons (as indicated on Form A, Annexure A) = 40 Points (117 sub-points x 0.342)

Sub-Criteria	Sub-points	Returnables	Comments
<p>a) The Professional Mechanical Engineer Principal has verifiable experience in:</p> <ul style="list-style-type: none"> - general building projects with a value less than R300 million in the past 10 years = 0 points - general building projects with a value over R300 million but less than R400 million in the past 10 years = 1 point per project - general building projects with a value over R400 million but less than R500 million in the past 10 years = 2 points per project - general building projects with a value over R500 million in the past 10 years = 3 points per project <p>If a project is a healthcare building project with a value over R500 million, 1 additional point shall be awarded per project</p>	12 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B) indicating the 3 best projects which comply with the stated sub-criteria. Use of any other template will result in 0 points being awarded.</p>	<p>The tenderer is to provide information for their 3 best projects only. Should information for more than 3 projects be submitted, only the first 3 projects stated on the CV shall be evaluated. Healthcare projects also count as general building projects.</p> <p>The maximum number of points that a tenderer can achieve in this section is 12 points: 1 Principal x 3 projects x 3 points per project = 9 points plus 3 additional points if the 3 projects (1 point per project) is healthcare building project.</p>
<p>b) The 2 Professional Mechanical Engineers have verifiable experience in:</p> <ul style="list-style-type: none"> - healthcare building projects with a value less than R50 million or general building projects with a value less than R100 million in the past 10 years = 0 points - healthcare building projects with a value over R50 million but less than R100 million or general building projects with a value over R100 million but less than R200 million in the past 10 years = 1 point per project - healthcare building projects with a value over R100 million but less than R150 million or general building projects with a value over R200 million but less than R300 million in the past 10 years = 2 points per project - healthcare building projects with a value over R150 million or general building projects with a value over R300 million in the past 10 years = 3 points per project 	18 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B) indicating the 3 best projects which comply with the stated sub-criteria. Use of any other template will result in 0 points being awarded.</p>	<p>The tenderer is to provide information per individual for their 3 best projects only. Should information be provided for more than 3 projects be submitted, only the first 3 projects stated on the CV shall be evaluated.</p> <p>The maximum number of points that a tenderer can achieve in this section is 18 points (2 Professionals x 3 projects x 3 points per project = 18 points).</p>

Sub-Criteria	Sub-points	Returnables	Comments
<p>c) The 2 Professional Mechanical Engineering Technologists have verifiable experience in:</p> <ul style="list-style-type: none"> - general building projects with a value less than R50 million in the past 10 years = 0 points - general building projects with a value over R50 million but less than R100 million in the past 10 years = 1 point per project - general building projects with a value over R100 million but less than R150 million in the past 10 years = 2 points per project - general building projects with a value over R150 million in the past 10 years = 3 points per project 	18 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B) indicating the 3 best projects which comply with the stated sub-criteria. Use of any other template will result in 0 points being awarded.</p>	<p>The tenderer is to provide information per individual for their 3 best projects only. Should information for more than 3 projects be submitted, only the first 3 projects stated on the CV shall be evaluated. Healthcare projects also count as general building projects.</p> <p>The maximum number of points that a tenderer can achieve in this section is 27 points (2 Technologists x 3 projects x 3 points per project = 18 points).</p>
<p>d) The Professional Electrical Engineer Principal has verifiable experience in:</p> <ul style="list-style-type: none"> - general building projects with a value less than R300 million in the past 10 years = 0 points - general building projects with a value over R300 million but less than R400 million in the past 10 years = 1 point per project - general building projects with a value over R400 million but less than R500 million in the past 10 years = 2 points per project - general building projects with a value over R500 million in the past 10 years = 3 points per project <p>If a project is a healthcare building project with a value over R500 million, 1 additional point shall be awarded per project</p>	12 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B) indicating the 3 best projects which comply with the stated sub-criteria. Use of any other template will result in 0 points being awarded.</p>	<p>The tenderer is to provide information for their 3 best projects only. Should information for more than 3 projects be submitted, only the first 3 projects stated on the CV shall be evaluated. Healthcare projects also count as general building projects.</p> <p>The maximum number of points that a tenderer can achieve in this section is 12 points: 1 Principal x 3 projects x 3 points per project = 9 points plus 3 additional points if the 3 projects (1 point per project) is healthcare building project.</p>

Sub-Criteria	Sub-points	Returnables	Comments
<p>e) The Professional Electrical Engineer has verifiable experience in:</p> <ul style="list-style-type: none"> - healthcare building projects with a value less than R50 million or general building projects with a value less than R100 million in the past 10 years = 0 points - healthcare building projects with a value over R50 million but less than R100 million or general building projects with a value over R100 million but less than R200 million in the past 10 years = 1 point per project - healthcare building projects with a value over R100 million but less than R150 million or general building projects with a value over R200 million but less than R300 million in the past 10 years = 2 points per project - healthcare building projects with a value over R150 million or general building projects with a value over R300 million in the past 10 years = 3 points per project 	9 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B) indicating the 3 best projects which comply with the stated sub-criteria. Use of any other template will result in 0 points being awarded.</p>	<p>The tenderer is to provide information per individual for their 3 best projects only. Should information be provided for more than 3 projects be submitted, only the first 3 projects stated on the CV shall be evaluated.</p> <p>The maximum number of points that a tenderer can achieve in this section is 9 points (1 Professional x 3 projects x 3 points per project = 9 points).</p>
<p>f) The 2 Registered Electrical Engineering Technologists have verifiable experience in:</p> <ul style="list-style-type: none"> - general building projects with a value less than R50 million in the past 10 years = 0 points - general building projects with a value over R50 million but less than R100 million in the past 10 years = 1 point per project - general building projects with a value over R100 million but less than R150 million in the past 10 years = 2 points per project - general building projects with a value over R150 million in the past 10 years = 3 points per project 	18 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B) indicating the 3 best projects which comply with the stated sub-criteria. Use of any other template will result in 0 points being awarded.</p>	<p>The tenderer is to provide information per individual for their 3 best projects only. Should information for more than 3 projects be submitted, only the first 3 projects stated on the CV shall be evaluated. Healthcare projects also count as general building projects.</p> <p>The maximum number of points that a tenderer can achieve in this section is 18 points (2 Technologists x 3 projects x 3 points per project = 18 points).</p>

Sub-Criteria	Sub-points	Returnables	Comments
<p>g) The Professional Electronic Engineer Principal has verifiable experience in:</p> <ul style="list-style-type: none"> - general building projects with a value less than R300 million in the past 10 years = 0 points - general building projects with a value over R300 million but less than R400 million in the past 10 years = 1 point per project - general building projects with a value over R400 million but less than R500 million in the past 10 years = 2 points per project - general building projects with a value over R500 million in the past 10 years = 3 points per project <p>If a project is a healthcare building project with a value over R500 million, 1 additional point shall be awarded per project</p>	12 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B) indicating the 3 best projects which comply with the stated sub-criteria. Use of any other template will result in 0 points being awarded.</p>	<p>The tenderer is to provide information for their 3 best projects only. Should information for more than 3 projects be submitted, only the first 3 projects stated on the CV shall be evaluated. Healthcare projects also count as general building projects.</p> <p>The maximum number of points that a tenderer can achieve in this section is 12 points: 1 Principal x 3 projects x 3 points per project = 9 points plus 3 additional points if the 3 projects (1 point per project) is healthcare building project.</p>
<p>h) The Professional Electronic Engineer has verifiable experience in:</p> <ul style="list-style-type: none"> - general building projects with a value less than R300 million in the past 10 years = 0 points - general building projects with a value over R300 million but less than R400 million in the past 10 years = 1 point per project - general building projects with a value over R400 million but less than R500 million in the past 10 years = 2 points per project - general building projects with a value over R500 million in the past 10 years = 3 points per project 	9 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B) indicating the 3 best projects which comply with the stated sub-criteria. Use of any other template will result in 0 points being awarded.</p> <p>-</p>	<p>The tenderer is to provide information for their 3 best projects only. Should information for more than 3 projects be submitted, only the first 3 projects stated on the CV shall be evaluated. Healthcare projects also count as general building projects.</p> <p>The maximum number of points that a tenderer can achieve in this section is 9 points (1 Professional x 3 projects x 3 points per project = 9 points).</p>

Sub-Criteria	Sub-points	Returnables	Comments
<p>i) The Registered Electronic Engineering Technologist has verifiable experience in:</p> <ul style="list-style-type: none"> - general building projects with a value less than R50 million in the past 10 years = 0 points - general building projects with a value over R50 million but less than R100 million in the past 10 years = 1 point per project - general building projects with a value over R100 million but less than R150 million in the past 10 years = 2 points per project - general building projects with a value over R150 million in the past 10 years = 3 points per project 	9 points	<p>Completed Curriculum Vitae (CV) on the provided template (Annexure B) indicating the 3 best projects which comply with the stated sub-criteria. Use of any other template will result in 0 points being awarded.</p>	<p>The tenderer is to provide information per individual for their 3 best projects only. Should information for more than 3 projects be submitted, only the first 3 projects stated on the CV shall be evaluated. Healthcare projects also count as general building projects.</p> <p>The maximum number of points that a tenderer can achieve in this section is 18 points (1 Technologist x 3 projects x 3 points per project = 9 points).</p>

Section 3: References for previous completed projects (projects are indicated on Form B, Annexure D) = 20 Points (180 sub-points x 0.111)

Sub-Criteria	Sub-points	Returnables	Comments
<p>a) Contactable references for 3 completed projects, with a construction value of at least R300 million, by each professional discipline firm within the past 10 years. Each reference shall be contacted by the Employer's tender evaluation committee during the tender evaluation and provided with the reference form (attached as Annexure E). Points shall be awarded as follows:</p> <ul style="list-style-type: none"> - incomplete or incorrectly completed for any criteria = 0 points - achieved a rating of 0 (Poor) for any criteria = 0 points - achieved a rating of 1 (Satisfactory) for any criteria = 1 point - achieved a rating of 2 (Excellent) for any criteria = 2 points 	20 points (180 points x 0.111)	<p>Fully and correctly completed Form B (Annexure D) clearly indicating past completed projects for each discipline and corresponding contactable references.</p> <p>A maximum of 20 points can be scored in this section as follows:</p> <p>3 professional disciplines/firms x 3 projects per discipline/firm x 20 points per project = 180 points x 0.111 [multiplying factor] = 20 points</p>	<p>3 projects and corresponding project references shall be submitted per professional discipline resulting in 9 projects and 9 references. Each project must have been completed by one of the firms tendering for the project.</p> <p>Should a reference not complete and return the reference questionnaire within the allocated time stipulated by the evaluation committee or within any time extension as allowed by the committee, 0 points will be awarded for that project.</p> <p>The reference form (attached as Annexure E) has been attached for the Tenderer's information but will only be used by the evaluation committee during tender adjudication. It is not necessary for the tenderer to submit completed reference questionnaires with their tender</p>

Section 4: Empowerment = 10 Points

Sub-Criteria	Sub-points	Returnables	Comments
<p>a) Professional Key Persons as stated on Form A (Annexure A) are Black People* who are female and make up at least 51% of the total team</p> <p>OR</p> <p>Professional Key Persons as stated on Form A (Annexure A) are youth (persons between the ages of 14 and 35) and make up at least 30% of the total</p> <p><i>*Black People is a generic term which means Africans, Coloureds and Indians as defined by the Broad-Based Black Economic Empowerment Amendment Act, 2013</i></p>	10 points	Completed Form A (Annexure A) clearly indicating the Key Persons on the project, their gender and age.	Failure to clearly indicate gender on Form A will result in 0 points being awarded for that key resource. Only Registered Professionals and Technologists will be considered in the evaluation of this sub-criteria.

FUNCTIONALITY SCORING TABLE

NB: For Evaluation Committee use only

			Specific Project Functionality Criteria									
			Key Person's CV's		Project Experience (Max. of 3 projects)				Professional Discipline Firm Contactable References		Empowerment	
			Maximum Points	Points Allocated	Maximum Points per project	Max Weighted Points	Points Allocated per project	Allocated Weighted Points	Maximum Points	Points Allocated	Maximum Points	Points Allocated
Project Multi-disciplinary Team	1	Professional Mechanical Engineer Principal	12		4	(4*3) + (6*3) + (6*3) + (4*3) + (3*3) + (6*3) + (3*3) + (3*3) =			20		10	
					4							
					4							
	2	2 x Professional Mechanical Engineers	16		6							
					6							
					6							
	3	2 x Registered Mechanical Engineering Technologists	14		6							
					6							
					6							
	4	Professional Electrical Engineer Principal	12		4							
					4							
					4							
	5	Professional Electrical Engineering	8		3							
					3							
					3							
	6	2 x Registered Electrical Engineering Technologists	14		6							
					6							
					6							
	7	Professional Electronic Engineer Principal	12		4							
					4							
					4							
	8	Professional Electronic Engineer	8		3							
					3							
					3							
	9	Registered Electronic Engineering Technologists	7		3							
					3							
					3							
Sub-Total 1 Points			103			117			180		10	
	Sub-Total 2 Points		103* 0.291			117* 0.342			180* 0.111		10	
	Sub-Total 3 Points	/30	/40			/20	/10	
	TOTAL SCORE	/100									

1. Eligible Y/N: _____

2. Functionality points: _____/100

3. Above 70 points threshold Y/N: _____

PHASE 3: PRICE AND PREFERENCE POINTS (SPECIFIC GOALS)

1. 90/10 preference point system will apply and the lowest acceptable Bid will be used to determine the applicable preference point system.
2. Therefore, points for this bid shall be awarded for **Price + Specific Goals** with the maximum points for this bid allocated in the following manner:

CATEGORY	POINTS
PRICE	90
PREFERENCE POINTS	10
Total points for Price and must not exceed	100

Points for specific goals will be allocated as follows:

Historically Disadvantaged Individuals (Persons)	POINTS
Companies who are at least 51% owned by Black People who are women OR Companies who are at least 51% owned by Black People who are disabled OR Companies who are at least 10% owned by youth (persons between the ages of 14 and 35)	5
Reconstruction and Development Programme (RDP Goals)	POINTS
Enterprise or Companies whose office is currently located in KwaZulu-Natal	5

Note:

- i. Ownership verification may be conducted through Central Suppliers Database by National Treasury, through the B-BBEE scorecard attributes or Companies and Intellectual Property Commission (CIPC);
- ii. The evaluation for Price and Preference Points (Specific Goals), will be based on C1.1 Form of Offer and Acceptance and T2.2.5 Preferential Procurement (SBD 6.1)

The following special conditions are applicable to the evaluation of this tender:

- The Department reserves the right not to award to the lowest bidder.
- The Department will conduct a detailed risk assessment on the preferred bidder prior to the award relating to commercial risk, adequacy and suitability of resources offered on the project.

PART C1: AGREEMENT AND CONTRACT DATA

C1.1 Form of Offer and Acceptance

Offer

The Employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

A CONSORTIUM COMPRISING PROFESSIONAL ARCHITECTURAL, CIVIL ENGINEERING AND STRUCTURAL ENGINEERING SERVICES

on the project:

CONSTRUCTION OF A NEW 550 BEDDED TERTIARY HOSPITAL

The tenderer, identified in the offer signature block, has examined the documents listed in the Tender Data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the Service Provider under the Contract including compliance with all its terms and conditions according to their true intent and meaning for remuneration to be determined in accordance with the conditions of Contract identified in the Contract Data.

Price

The offered price for this service as described in C3 Scope of Services, inclusive of value added tax, is:

Rand (in figures) **R**.....

Rand (in words)

.....

The amount in words takes precedence over the amount in figures. The award of the tender may be subjected to price negotiation with the preferred tenderer(s). The negotiated and agreed price will be considered for acceptance as a **firm and final offer**.

This offer may be accepted by the Employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the bidder before the end of the period of validity stated in the Tender Data, whereupon the bidder becomes the party named as the Service Provider in the conditions of Contract identified in the Contract Data.

THIS OFFER IS MADE BY THE FOLLOWING LEGAL ENTITY:

COMPRISING OF THE FOLLOWING LEGAL ENTITIES:

ARCHITECTURAL SERVICES: (please cross out the block which is not applicable)

<div>Company or Close Corporation: whose registration number is: whose income tax reference number is: and whose National Treasury Central Supplier Database (CSD) numbers are: CSD Supplier Number:..... Tax Compliance Status Pin (TCSP): </div>	OR	<div>Natural person or partnership: whose identity number(s) is/are: whose income tax reference number is/are: and whose National Treasury Central Supplier Database (CSD) numbers are: CSD Supplier Number:..... Tax Compliance Status Pin (TCSP): </div>
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CIVIL ENGINEERING SERVICES: (please cross out the block which is not applicable)

<div>Company or Close Corporation: whose registration number is: whose income tax reference number is: and whose National Treasury Central Supplier Database (CSD) numbers are: CSD Supplier Number:..... Tax Compliance Status Pin (TCSP): </div>	OR	<div>Natural person or partnership: whose identity number(s) is/are: whose income tax reference number is/are: and whose National Treasury Central Supplier Database (CSD) numbers are: CSD Supplier Number:..... Tax Compliance Status Pin (TCSP): </div>
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STRUCTURAL ENGINEERING SERVICES: (please cross out the block which is not applicable)

Company or Close Corporation:

.....

whose registration number is:

.....

whose income tax reference number is:

.....

and whose National Treasury Central Supplier Database (CSD) numbers are:

CSD Supplier Number:.....

Tax Compliance Status Pin (TCSP):

.....

Natural person or partnership:

.....

.....

whose identity number(s) is/are:

.....

whose income tax reference number is/are:

.....

and whose National Treasury Central Supplier Database (CSD) numbers are:

CSD Supplier Number:.....

Tax Compliance Status Pin (TCSP):

.....

OR

AND WHO IS (if applicable):

Trading under the name and style of:

.....

AND WHO IS:

Represented herein, and who is duly authorised to do so, by:

Mr/Mrs/Ms:.....

In his/her capacity as:

Note: A resolution / power of attorney, signed by all the directors / members / partners of the legal entity must accompany this offer, authorising the representative to make this offer.

SIGNED FOR THE TENDERER:

Name of Representative	Signature	Date

WITNESSED BY:

Name of Witness	Signature	Date

The tenderer elects as its *domicilium citandi et executandi* in the Republic of South Africa, where any and all legal notices may be served, as (physical address):

.....
.....

Other contact details of the Tenderer are:

Telephone no: Cellular no:.....

Fax no:.....

Postal address:.....

.....

Email address:.....

Banker:..... Branch:.....

Acceptance

By signing this part of this form of offer and acceptance, the Employer identified below accepts the tenderer's offer. In consideration thereof, the Employer shall pay the Service Provider the amount due in accordance with the conditions of Contract identified in the Contract Data. Acceptance of the tenderer's offer shall form an agreement between the Employer and the tenderer upon the terms and conditions contained in this agreement and in the Contract that is the subject of this agreement.

The terms of the Contract are contained in:

Part C1	Agreements and Contract Data, (which includes this agreement)
Part C2	Pricing Data
Part C3	Scope of Services

And drawings and document or parts thereof, which may be incorporated by reference into Parts C1 to C3 above

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the tenderer and the Employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from set documents are valid unless contained in this schedule.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of Contract identified in the Contract Data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect, if sent by registered post, 4 days from the date on which it was posted, if delivered by hand, on the day of delivery, provided that it has been delivered during ordinary business hours, or if sent by electronic mail (email), the first business day following the day on which it was emailed. Unless the tenderer (now Service Provider) within seven working days of the date of such submission notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the Parties.

For the Employer:

Name of Signatory	Signature	Date

Name of Organisation:	Department of Health
Address of Organisation:	

Witnessed by:

Name of Witness	Signature	Date

Schedule of Deviations

Notes:

1. The extent of deviations from the tender documents issued by the Employer before the tender closing date is limited to those permitted in terms of the conditions of tender.
2. A tender's covering letter shall not be included in the final Contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligations of the Contract shall be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1.2.1. Subject:
Detail:

1.2.2. Subject:
Detail:

1.2.3. Subject:
Detail:

1.2.4. Subject:
Detail:

By the duly authorised representatives signing this agreement, the Employer and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

C1.2 Contract Data

C1.2.1 Standard Professional Services Contract

The conditions applicable to this Contract are the Standard Professional Services Contract (July 2009) Third Edition of CIDB document 1015, published by the Construction Industry Development Board (CIDB).

C1.2.2 Data provided by the Employer

Clause	
	<p>The General Conditions of Contract in the Standard Professional Services Contract (July 2009) make several references to the Contract Data for details that apply specifically to this tender. Clauses stipulated in the Contract Data are in addition to or amendments to or replace the corresponding clauses in the Standard Professional Services Contract (July 2009). The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the General Conditions of Contract.</p> <p>Each item of data given below is cross-referenced to the clause in the General Conditions of Contract to which it mainly applies.</p>
	The Employer is the KZN Department of Health.
1	The Project is for the provision of complete Mechanical Engineering, Electrical Engineering and Electronic Engineering Services for the New 550 Bedded Tertiary Hospital Project
1	The Period of Performance is the period commencing from the date from which this contract is fully signed and accepted by the KZN Department of Health until the Service Provider has completed all Deliverables in accordance with the Scope of Services and in accordance with the approved baseline programme or within the approved extended programme as per Clause 3.15 of the Standard Professional Services Contract (July 2009).
3.4.1	Communications by facsimile is not permitted.
3.5	<p>Add the following to clause 3.5:</p> <p>The Services shall be executed in the Service Provider's own office and on the Project site. No portion of the work may be performed by a person employed by the State. No portion of the work may be sublet to any other person or persons without the prior written approval of the Employer.</p>
3.6	<p>Omit the following:</p> <p>"... within two (2) years of completion of the Service ...".</p>
3.8.2	<p>Replace clause 3.8.2 with the following:</p> <p>The reasonable cost, for incorporation into the Contract of any variations to the Services as ordered by the Employer, shall be calculated according to the Service Provider's tendered price where work is of a similar nature. Implementation of the variation in services to be rendered by the Service Provider shall only proceed upon signed written approval from the Employer.</p>
3.9.1(c)	Replace "Employers or others" with "the Employer, its employees or clients and/or their agents". Only extensions of time without cost will be considered in the case where a 3 rd party has caused a delay.
3.9.1(d)	Clause 3.9.1(d) is deleted.
3.9.1(e)	Clause 3.9.1(e) is deleted.

Clause	
3.9.3	<p>Replace clause 3.9.3 with the following:</p> <p>Upon receiving an application from the Service Provider to amend the period of performance and/or fees, the Employer shall assess the changes to the Contract Price and/or extension of the Period of Performance on the impact of the delay on the Services based on the fee structure that the Service Provider has tendered for and appointed on.</p> <p>Additional Services ordered by the Employer where the tendered pricing cannot be used as a basis to calculate the fees for the additional services, shall be negotiated and based on market related rates.</p>
3.9.4	<p>Add the following to clause 3.9.4:</p> <p>The application for changes to the Period of Performance is subject to the delay being on the Critical Path of the approved programme and shall be due to no fault of the Service Provider.</p>
3.12	<p>Penalty</p> <p>Replace clauses 3.12.1 and 3.12.2 with the following:</p> <p>Period of Performance shall be divisible into separate target dates according to the programme for each key deliverable to be submitted in terms of clause 3.15 hereof.</p> <p>Without prejudice to his other remedies under the Contract or in law, the Employer shall have the right to recover all costs claimed by the contractor in the event that the contractor claimed for delays resulting from poor performance (through actions or non-actions) by the Service Provider.</p> <p>The Employer shall further have the right to recover all other costs, including but not restricted to, extended rental cost resulting from the delay caused directly or indirectly by the Service Provider, delay in the construction period, remedial costs to correct incorrect designs and or documentation, including omissions.</p> <p>Without prejudice to his other remedies under the Contract or in law, the Employer shall recover a penalty amount per day as stipulated in the table below, for each day exceeding the programmed target date, for the full period of the delay.</p> <p>In the event that the delay exceeds 30 calendar days, the Employer will have the option to either:</p> <ul style="list-style-type: none"> (i) terminate the contract and recover any loss as a result of the termination from the Service Provider (ii) allow the Service Provider to continue with the Services after the agreement of a new target date and recover the penalty per calendar day as stipulated in the table below for the full period of the delay.

Clause	CALCULATION OF PENALTIES					
	Value of Fees (in Rands excl. VAT)				% of Penalties of Fees	
	1	1	UP TO	500,000	0.05000000	%
	2	500,001	UP TO	1,000,000	0.05000000	%
	3	1,000,001	UP TO	2,000,000	0.03750000	%
	4	2,000,001	UP TO	4,000,000	0.02500000	%
	5	4,000,001	UP TO	8,000,000	0.01875000	%
	6	8,000,001	UP TO	16,000,000	0.01250000	%
	7	16,000,001	UP TO	32,000,000	0.00781250	%
	8	32,000,001	UP TO	64,000,000	0.00468750	%
	9	64,000,001	UP TO	128,000,000	0.00272438	%
	10	128,000,001	UP TO	256,000,000	0.00156250	%
	11	256,000,001	UP TO	512,000,000	0.00087891	%
	12	512,000,001		and above	0.00048828	%
	Recovery of costs and/or penalties may be performed in one of or a combination of the following ways as decided by the Employer: a) claim against professional indemnity insurance b) deduction from fee submitted claims / fee accounts c) direct payment from the consultant to the contractor d) litigation e) any other method available to the Employer					
3.15.1	The programme shall be submitted within 14 days of the award of the contract.					
3.15.2	The Service Provider shall update the programme at intervals not exceeding 8 weeks.					
3.16	Time-based fees are not applicable to this appointment and therefore no adjustments for inflation are applicable.					
5.4.1	The Service Provider is required to provide professional indemnity cover as set out in the Professional Indemnity Schedule contained within the Eligibility Criteria. The Service Provider is required to provide and maintain all insurances and cover for employees as required in terms of applicable labour legislation.					
5.5	The Service Provider is required to obtain the Employer's prior approval in writing before taking any of the following actions: a) Deviate from the programme (delayed or earlier); b) Deviate from or change the Scope of Services; c) Change Key Persons on the Service.					
8.1	The Service Provider is to commence the performance of the Services immediately after the Contract becomes effective and execution to be as per the programme.					
8.4.3 (c)	The period of suspension under clause 8.5 is not to exceed two (2) years.					
8.4.4	Replace clause 8.4.4 with the following:					

Clause	
	Upon termination of this Contract pursuant to Clauses 8.4.1 or 8.4.3, the Employer shall remunerate the Service Provider in terms of the Contract for Services satisfactorily performed prior to the effective date of termination. The Employer shall reimburse the Service Provider any reasonable cost incident to the prompt and orderly termination of the Contract, except in the case of termination pursuant to events (c) and (d) of Clause 8.4.1 and except where the Service Provider is terminated during or at the end of Construction Stage 4 (Design Documentation / Procurement).
9.1	Copyright of documents prepared for the Project shall be vested with the Employer.
12.1.	Interim settlement of disputes is to be by mediation.
12.2./12.3.	Final settlement is by litigation.
12.2.1	In the event that the Parties fail to agree on a mediator, the mediator is to be nominated by the president of the Association of Arbitrators (Southern Africa).
13.1.3	All partners in a joint venture or consortium shall carry the same professional indemnity insurance as per clause 5.4.1 of the General Conditions of Contract.
13.5.1	The amount of compensation is unlimited.
13.6	The provisions of 13.6 do not apply to the Contract.
15	In respect of any amount owed by the Service Provider to the Employer, the Service Provider shall pay the Employer interest at the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999).
16	<u>Contract Skills Development Goal</u> The contractor shall, in the performance of the contract, achieve the Contract Skills Development Goal (CSDG) established in the Standard as stated by the Construction Industry Development Board (CIDB)

C1.2.3 Data provided by the Service Provider

Clause	
	Each item of data given below is cross-referenced to the clause in the General Conditions of Contract to which it mainly applies.
1	The Service Provider is the company, close corporation, natural person, consortium, joint venture or partnership named in Form of Offer and Acceptance by the tendering Service Provider.
5.3	The authorised and designated representative of the Service Provider is the Consortium Representative named on the Project by the Service Provider as stated on Annexure A.
5.4.1	<p>Indemnification of the Employer</p> <p>I, the undersigned, being duly authorized by the Service Provider, in terms of the completed resolution</p> <p>_____</p> <p>(Name of authorized person)</p> <p>hereby confirm that the Service Provider known as:</p> <p>_____</p> <p>(Legal name of entity tendering herein)</p> <p>_____</p> <p>5.4.1 Tendering on the project</p>

Clause	
	<div data-bbox="304 277 1238 315" style="border-bottom: 1px solid black; margin-bottom: 10px;"></div> <div data-bbox="320 277 976 315">(Name of project as per Form of Offer and Acceptance)</div> <p data-bbox="268 365 1453 640">holds professional indemnity insurance cover, from an approved insurer, duly registered with the Finance Services Board, of not less than the amount required as cover relative to the size of project, with the first amount payable not exceeding 5% of the value of indemnity. I further confirm that the Service Provider will keep such professional indemnity fully subscribed. I further confirm that should the professional indemnity insurance, with no knowledge of the Employer, be allowed to lapse at any time or in the event of the Service Provider cancelling such professional indemnity insurance, with no knowledge of the Employer, at any time or if such professional indemnity cover is not sufficient, then the Service Provider,</p> <ol data-bbox="300 680 1453 887" style="list-style-type: none"> <li data-bbox="300 680 1453 745">i. accepts herewith full liability for the due fulfilment of all obligations in respect of this Service; and <li data-bbox="300 745 1453 887">ii. hereby indemnifies, and undertakes to keep indemnified, the Employer in respect of all actions, proceedings, liability, claims, damages, costs and expenses in relation to and arising out of the agreement and/or from the aforesaid Service Provider's intentional and/or negligent wrongful acts, errors and/or omissions in its performance on this Contract. <p data-bbox="268 927 1453 1028">I confirm that the Service Provider undertakes to keep the Employer indemnified, as indicated above, beyond the Final Completion Certificate/Final Certificate by the Employer (whichever is applicable) for a period of five (5) years after the issue of such applicable certificate.</p> <p data-bbox="268 1068 1453 1169">I confirm that the Service Provider renounces the benefit of the <i>exceptionis non causa debiti, non numeratae pecuniae</i> and <i>excussionis</i> or any other exceptions which may be legally raised against the enforceability of this indemnification.</p> <p data-bbox="268 1209 1453 1310">Notwithstanding the indemnification required above, the Employer reserves the right to claim damages from the Service Provider for this Project where the Service Provider neglects to discharge its obligations in terms of this agreement.</p> <div data-bbox="300 1424 1238 1462" style="border-bottom: 1px solid black; margin-bottom: 10px;"></div> <div data-bbox="300 1424 376 1462">Name</div> <div data-bbox="300 1576 1238 1615" style="border-bottom: 1px solid black; margin-bottom: 10px;"></div> <div data-bbox="300 1576 419 1615">Signature</div> <div data-bbox="300 1729 1238 1767" style="border-bottom: 1px solid black; margin-bottom: 10px;"></div> <div data-bbox="300 1729 410 1767">Capacity</div>
7.1.2	The Key Persons and their jobs / functions in relation to the Services are as stated on FORM A (Annexure A). Key Persons are those that are required to play an active and visible role on the project. Failure of Key Persons to actively and visibly perform their duties, including attendance of important meetings, shall constitute a breach of contract and may result in termination.
7.2	A Personnel Schedule shall be required for all resources assigned to the project

PART C2: PRICING DATA

C2.1 Pricing Assumptions

C2.1.1 Basis of Remuneration, Method of Tendering and Estimated Fees

- a) Pricing of the tender and remuneration shall as be as stated within this tender document. In the event of any ambiguity, inconsistency, or contradiction between this tender document and any other document, whether referenced herein or not, the terms and provisions of this tender document shall take precedence.
- b) Professional fees for Professional Services rendered will be paid on a Value basis.
- c) The words “value based” and “percentage based” used in connection with fee types in this document or any documents referred to in this document are interchangeable and are deemed to have the same meaning.
- d) Tenderers are to tender a value based fee utilising the stated estimated value of works multiplied by a fixed tendered percentage which is then apportioned amongst the various construction work stages (stages 1 to 6).
- e) Tenderers are to note that the Employer’s funding is currently secured up to Stage 4 of the project (Design Documentation) excluding the tender for a contractor. The Employer shall need to apply for additional funding from external funding sources to prior proceeding to tender for a contractor. Should external funding not be secured, the project shall be cancelled at Stage 4 once a fully completed tender document is received from the professional team.
- f) Should external funding be secured, the financier may impose specific conditions relating to the implementation of the project. These conditions may include the replacement of professional consultants with consultants procured the financier.
- g) Should the project be cancelled due to failure to secure funding (as stated in item e) above) or should the professional consultants be replaced at Stage 4 (as per item f) above) or for any other reason, remuneration shall be as per the amount due at Stage 4 in accordance with the amount of work performed. No additional remuneration or compensation shall be due arising from the early termination of the contract.

C2.1.2 Remuneration for Professional Services

- a) The tendered percentage is deemed to cover **ALL WORKS** as stated within this section as well as in part C3.4 Scope of Services Required from the Professional Service Providers contained in this document. No additional surcharges will be claimable for performing works stated in this tender document. The tendered percentage shall remain fixed for the entire duration of the contract.
- b) The amount tendered herein (C1.1) is for tender purposes only and will be amended according to the applicable value of works for fees for each professional discipline based on the actual cost of construction.
- c) The conditions stated in the gazetted ‘*Guideline for Professional Fees*’ documents as published by each professional discipline’s professional council at the date of tender closing, shall be

applicable except where conditions stated in this tender document overrule those stated in the Guideline for Professional Fees documents. Pricing of the tender and remuneration shall as be as stated within this tender document. Further conditions pertaining to remuneration are contained in C2.2 Pricing Schedule.

- d) Reimbursable rates for printing and duplicating work shall be in accordance with the conditions laid out under section C2.1.5. There shall be no remuneration for typing of documents. Typing of documents is deemed to be included in the tendered fee percentage.
- e) Reimbursement for any and all disbursements shall be claimable up to a maximum of the amount tendered for disbursements in the Pricing Schedule. Any costs incurred in addition to this amount shall be for the account of the Service Provider unless the costs incurred are due to extensions in the construction period approved by the Employer that were through no fault of the Service Provider. In this instance, additional disbursements may be claimable subject to the stated reimbursement terms in this document and subject to prior signed written approval by the Employer.
- f) The site must be visited as often as the works require for the execution of all duties on the Project. The Service Provider must be available at 24 hours' notice to visit the site if so required.
- g) All fee accounts must be accompanied by an updated certification by the appointed quantity surveyor on the project, of the amount(s) on which fees are based. The onus, however, rests on the Service Provider to calculate fees on the appropriate value and in accordance with their tendered rates.
- h) All fee accounts need to be signed by a principal of the Service Provider.
- i) For all services provided on a time basis (if applicable), time sheets giving full particulars of the work, date of execution and time duration, should be submitted with each fee account.
- j) Fee accounts, correct in all respects, will be deemed submitted when received by the Employer and settled when electronically processed by the Employer. The Employer reserves the right to dispute the whole account, any item or part of an item at any time and will deal with such case in terms of clause 14.3 of the General Conditions of Contract.
- k) Accounts for services rendered may be submitted on the successful completion of each stage of work or as agreed with the Employer. Interim accounts will be considered during the construction stage of the works and then not more frequently than quarterly except if otherwise agreed between the authorized and designated representative of the Service Provider and the Employer. Payment of accounts rendered will be subject to the checking thereof by the departmental project manager. The Employer reserves the right to amend the amounts claimed in order to conform to the rates stipulated in this Contract and make payment on the basis of the balance of the account in accordance with clause 14.3 of the General Conditions of Contract.
- l) The cost of all site personnel rendering all required services will be deemed to be included in the tendered fee percentage. In addition it must be noted that detailed and frequent inspections are required for this project during construction work stage 5. It is expected that the Service Provider will allocate site staff necessary for the management of the project in a number appropriate for the size and complexity of the project. The cost of site staff shall be included in the tendered percentage fee.

- m) All services relating to the implementation of the Expanded Public Works Programme (EPWP) are deemed to be included in the tendered fee.
- n) A work stage is deemed complete upon signed approval by the Head of Department: Health or his designated authority for that work stage.

C2.1.3 Value Based Fees

- a) Fees for work done under a value based fee shall be calculated according to the fixed tendered percentage for fees and apportioned to construction work stages as stated in part C3: Scope of Work.
- b) The Service Provider shall be remunerated for Services rendered, subject to the provisions in C2.1 Pricing Assumptions, and subject to the specific terms and conditions stated elsewhere in this document.
- c) Interim payments to the Service Provider – for the purposes of ascertaining the interim payments due, the cost of the works, which shall exclude any provisional allowances made to cover contingencies and escalation, shall be:
 - The net amount of the accepted tender, or
 - If no tender is accepted, the net amount of the lowest suitable tender unless acceptable motivation can be provided to prove that such amount is unreasonable, or
 - If the contract is awarded by negotiation then the negotiated price, or
 - If no tenders are invited or if no suitable tenders are received or if no negotiation is concluded, the estimate shall be the one approved by the Employer as representing the value of works, which for purposes of interim payments will be deemed to be 80% of the quantity surveyor's estimate, if a quantity surveyor has been appointed.
- d) Where a provisional sum is included in the bills of quantities for work to be documented at a later stage, the documentation fee in respect of such work shall be remunerated at the time when the documentation has been completed.
- e) Interim payments for construction work stage 6 will be allowed only when an acceptable and complete final account for the Project, or any separate identifiable phase of the Project, has been received by the Employer provided that the relevant fee claimed shall be subject to a factor of 80%.
- f) Time based fees shall not be applicable on any aspect of this project unless signed written approval is received in writing by the Employer based on a submitted quotation from the Service Provider. Rates utilised for the remuneration of time based fees shall not exceed those published in the "Rates for Reimbursable Expenses" as published by the Department of Public Works and as amended from time to time, where applicable.
- g) No separate payment shall be made for additional services unless signed written approval is received from the Employer before such services are performed based on a submitted quotation from the Service Provider.
- h) Excessive Variation in Time (Construction Period) – Should the actual construction period less any extension of time allowed for additional work and less any period(s) of more than 28 days during which the site was abandoned, exceed the initial contractual construction period by more

than 20 per cent, then an additional fee is charged which shall be calculated by multiplying 80 per cent of the fee for Stage 5 by the said excess and dividing it with the initial contractual construction period. The initial contractual and the actual construction periods shall be taken as commencing on the same day and all time periods shall be calculated in calendar days without any deduction for builder's holidays. The site shall be considered to be abandoned if no or very little work was performed by the contractor during the period of being abandoned and the Service Provider was not required to perform any service during that period.

- i) In the event of the project being suspended or cancelled prior to the commencement of the construction works, the fees payable will be determined by assessing whether a construction work stage has been fully or partially completed. For a fully completed stage the full percentage apportionment for that stage shall apply provided the deliverable is approved by the Employer. For a partially completed stage, the Employer in consultation with the Service Provider will agree on a reasonable percentage of work performed and a partial fee will be determined for that stage. The estimated construction cost used to calculate the applicable value of works shall be the last approved (by the Employer) estimate prepared by the Quantity Surveyor multiplied by 80%. Any provisional allowances made to cover contingencies and escalation, and any provisional sums and/or budgetary allowances shall be excluded from estimate and the value of works.

C2.1.4 Set Off

- a) The Employer reserves the right to set off any amount due to the Employer against any amount payable to the Service Provider, any sum which is owing by the Service Provider to the Employer in respect of this or any other project.

C2.1.5 Printing and Duplicating Work

- a) The costs of printing and duplicating work in connection with the documentation which must of necessity be done, shall be reimbursable at rates applicable at the time of the execution of such work up to a maximum of the amount tendered for disbursements in the Pricing Schedule. The document "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Website: <http://www.publicworks.gov.za/> under "Documents"; "Consultants Guidelines"; item 1, shall be utilised for determining rates for remuneration. The cost for typing of documents shall not be reimbursable.
- b) If the Service Provider cannot undertake the work himself, he may have it done by another service provider which specializes in this type of work and he shall be paid the actual costs incurred upon submission of statements and receipts which have been endorsed by him confirming that the tariff is the most economical for the locality concerned subject to the maximum tariffs per A4 sheet as set out in Table 1 in the "Rates for Reimbursable Expenses". If the Service Provider undertakes the work himself, he shall be paid in respect of actual expenses incurred subject to the maximum tariffs per A4 sheet as set out in Table 1 in the "Rates for Reimbursable Expenses".
- c) Duplicating expenses shall only be refunded in respect of the final copies of the following documents namely formal reports, formal soil investigation reports, specifications, feasibility reports, bills of quantities, material lists, minutes of site meetings and final accounts. The cost of printed hard covers shall only be paid in respect of documents which will be made available to the public such as bills of quantities and specifications or where provision of hard covers is specifically approved.

C2.1.6 Travelling and Subsistence Arrangements

- a) All travelling and subsistence costs shall be reimbursable at rates applicable at the time of the execution of such work up to a maximum of the amount tendered for disbursements in the Pricing Schedule. The document "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Website: <http://www.publicworks.gov.za/> under "Documents"; "Consultants Guidelines"; item 1, shall be utilised for determining rates for remuneration.

C2.1.7 Quality Management

- a) The Service Provider shall be responsible for developing and enforcing Quality Management Plans both for their own entity in order to ensure quality is achieved and maintained with regard to the service provided to the Employer, as well as to ensure that the appointed contractor produces a high quality product. The Quality Management Plans shall meet the requirements and objectives of the Employer as stated in C3: Scope of Work.

C2.1.8 Site Staff

- a) This project during the construction phase will require all stated professional disciplines in this document to have qualified, professional and experienced personnel on site to ensure that the project is achieved within its cost, time and quality targets. At least 1 professional individual with a minimum of 6 years post registration experience per professional discipline will be required on a full-time basis during this stage of the project.
- b) The full-time construction monitoring staff must:
 - maintain a full-time presence on site to constantly review samples of materials and work procedures, for conformity to contract documentation, provide design/ technical clarifications and review completed work prior to covering up, or on completion, as appropriate
 - assist with the preparation of as-built records and drawings to the extent required in the agreement with the client
 - review quality and ensure that a high quality product is produced
 - carry out such administration of the project as is necessary on behalf of the client where required
- c) The number of staff required and duration for which they shall need to be based full-time on site is for the tenderer to decide. Assigning insufficient and/or inadequately qualified or experienced staff that results in negative effects on the project either in time, cost or quality, shall constitute a failure of the Service Provider to render their service in accordance with this contract. This failure shall constitute a breach of contract and shall allow the Employer to claim damages incurred from the Service Provider in accordance with C2.1.4 Set off. Furthermore this may also result in the Employer implementing termination proceedings in accordance with clause 8.4.1 (c) of the CIDB Professional Services Contract.

C2.1.9 Apportionment of Fees

- a) Fees for consultants shall be apportioned in accordance with the Construction Work Stages / FIDPM Work Stages for the various professions as per the tables below

Mechanical Engineer

FIDPM Work Stage	Construction Work Stage	Apportioned Fee
Stage 2	Stage 1	2.5%
	Stage 2	15%
Stage 3	Stage 3	20%
Stage 4	Stage 4	22.5%
Stage 5	Stage 5	35%
Stage 6 & Stage 7	Stage 6	5%

Electrical Engineer

FIDPM Work Stage	Construction Work Stage	Apportioned Fee
Stage 2	Stage 1	2.5%
	Stage 2	15%
Stage 3	Stage 3	20%
Stage 4	Stage 4	22.5%
Stage 5	Stage 5	35%
Stage 6 & Stage 7	Stage 6	5%

Electronic Engineer

FIDPM Work Stage	Construction Work Stage	Apportioned Fee
Stage 2	Stage 1	2.5%
	Stage 2	15%
Stage 3	Stage 3	20%
Stage 4	Stage 4	22.5%
Stage 5	Stage 5	35%
Stage 6 & Stage 7	Stage 6	5%

C2.1.10 Contract Skills Development Goal (CSDG)

- a) This project shall implement the CIDB B.U.I.L.D. Programme as a Contract Skills Development Goal in accordance with the Standard issued by CIDB. Further information relating to the Standard and the CIDB B.U.I.L.D. Programme can be found on the CIDB website (<https://www.cidb.org.za/clients/b-u-i-l-d-programme/about-the-cidb-b-u-i-l-d-programme/>) as well as in C3 Scope of Work. The costs of administering this programme by the tenderer shall be deemed to be included in the tendered percentage. Allowances shall be made in C2.2 Pricing Schedule for the cost of the programme. Further information relating to pricing can be found in C2.2 Pricing Schedule. One of the objectives of the project is to train Professional Candidates (Method 4).

C2.2 Pricing Schedule

General Notes:

- Tenderers are requested to complete Pricing Tables 1, 2, 3, 4 and 5 below. Table 5 is the Final Summary Table and the total fees from Table 5 must be carried to the form of offer.
- Pricing tables are NOT to be modified by the Tenderer
- Tenderers are advised to take into account the high complexity mega project nature of this project when pricing.
- Tenderers are to allow an amount for the Contract Skills Development Goal (CSDG) Cost, being the CIDB B.U.I.L.D. Programme, per discipline in the space provided. The provisional amount allowed for in the Pricing Schedule shall be adjusted upon award and confirmation of the Training Method/s selected by the service provider when beneficiaries have been identified. The Contract Skills Development Goal (CSDG) will be as described in Clause C3.8, which is the number of hours of skills development opportunities that a Service Provider must provide in relation to work directly related to the Service Contract up to completion of the Professional Service Contract. The CSDG is expressed in hours, and shall be not less than the professional fees in millions of Rand multiplied by 150 Hours. The Objective of the Standard selected for this project is Method 4 with the provisional amount allowed to be based on Candidates with a 4 year Qualification (at a cost of R71 500 per quarter). The Skills Development Participation Costs to be calculated as per the following **example**:

Calculating the Number of Hours

- Tendered percentage fee for the Architectural discipline ex VAT = R5.6 million
- 150 hours allocated for placement per R1 million of contract value, therefore:
 $5.6 * 150 \text{ hours} = 840 \text{ hours}$ (hours to be rounded off)
- This process shall be repeated for each tendered professional discipline

Calculating the Notional Cost per Hour

- Notional Cost per quarter is extracted from the notional cost table in Clause C3.8 for the corresponding applicable method. For this project Method 4 has been selected.
- Number of Hours per quarter = 3 months x 20 days x 8 hours per day = 480 Hours
- Notional Cost per Hour (Method 4) = R71 500 / 480 = R148.96 per hour

Calculating the Notional Cost

- Fees excluding VAT = R5.6 million
- Total number of hours of skills development required = 840 hours
- Notional cost per hour = R148.96
- Total Notional Cost = R148.96 per hour x 840 hours = R125 126.40
- Therefore a minimum provisional allowance of R125 126.40 shall be made by the Tenderer for the CSDG Cost for the Architectural discipline

Notes for completing Table 1 (Mechanical Engineering Service Fees):

- Tenderers are to tender a total percentage (to 2 decimal places) for the cost of providing the full scope of professional Mechanical Engineering services required for the project including all Mechanical Engineering related additional services as stated in C2: Pricing Data and C3: Scope of Work. This tendered percentage will remain fixed throughout the project
- The estimated Value of Work for Fees is an estimate and not the final value. The Value of Works for Fees will be adjusted during the Construction Stages as follows:
 - to the latest approved (by the client) project estimate during Stages 1 to 4
 - to the awarded contract sum at Stage 5
 - to the approved contract value during Stage 5
 - to the agreed and approved final account value at Stage 6
- Tenderers are to include for the Contractor Skills Development Goal Cost in the pricing table below
- The Total Fees from Table 1 shall be carried to Table 5

TABLE 1 – Mechanical Engineering Service

Estimated Value of Work for Fees	R 1,900,000,000.00
Tendered Fee Percentage (to 2 decimal places)	%
Sub-Total	R
Contract Skills Development Goal Provisional Allowance (CIDB B.U.I.L.D. Programme)	R
Total Fees (Table 1)	R

Notes for completing Table 2 (Electrical Engineering Service Fees):

- Tenderers are to tender a total percentage (to 2 decimal places) for the cost of providing the full scope of professional Electrical Engineering services required for the project including all Electrical Engineering related additional services as stated in C2: Pricing Data and C3: Scope of Work. This tendered percentage will remain fixed throughout the project
- The estimated Value of Work for Fees is an estimate and not the final value. The Value of Works for Fees will be adjusted during the Construction Stages as follows:
 - to the latest approved (by the client) project estimate during Stages 1 to 4
 - to the awarded contract sum at Stage 5
 - to the approved contract value during Stage 5
 - to the agreed and approved final account value at Stage 6
- Tenderers are to include for the Contractor Skills Development Goal Cost in the pricing table below
- The Total Fees from Table 2 shall be carried to Table 5

TABLE 2 – Electrical Engineering Service

Estimated Value of Work for Fees	R 710,000,000.00
Tendered Fee Percentage (to 2 decimal places)	%
Sub-Total	R
Contract Skills Development Goal Provisional Allowance (CIDB B.U.I.L.D. Programme)	R
Total Fees (Table 2)	R

Notes for completing Table 3 (Electronic Engineering Service Fees):

- Tenderers are to tender a total percentage (to 2 decimal places) for the cost of providing the full scope of professional Electronic Engineering services required for the project including all Electronic Engineering related additional services as stated in C2: Pricing Data and C3: Scope of Work. This tendered percentage will remain fixed throughout the project
- The estimated Value of Work for Fees is an estimate and not the final value. The Value of Works for Fees will be adjusted during the Construction Stages as follows:
 - to the latest approved (by the client) project estimate during Stages 1 to 4
 - to the awarded contract sum at Stage 5
 - to the approved contract value during Stage 5
 - to the agreed and approved final account value at Stage 6
- Tenderers are to include for the Contractor Skills Development Goal Cost in the pricing table below
- The Total Fees from Table 3 shall be carried to Table 5

TABLE 3 – Electronic Engineering Service

Estimated Value of Work for Fees	R 500,000,000.00
Tendered Fee Percentage (to 2 decimal places)	%
Sub-Total	R
Contract Skills Development Goal Provisional Allowance (CIDB B.U.I.L.D. Programme)	R
Total Fees (Table 3)	R

Notes for completing Table 4 (Disbursements):

- Disbursements in relation to printing, travelling costs, etc., shall be reimbursable at rates applicable at the time of the execution of such work at rates contained in the “Rates for Reimbursable Expenses” document as amended from time to time obtainable from the National Department of Public Works website (<http://www.publicworks.gov.za>) under “Documents”, “Consultant Guidelines”, item 1
- The amount claimable for disbursements shall be subject to the conditions stated in C2.1 Pricing Assumptions and shall be capped at the amount tendered below
- The Total Fees from Table 4 shall be carried to Table 5

TABLE 4 – Disbursements

Allowance for Disbursements (Mechanical Engineer)	R
Allowance for Disbursements (Electrical Engineer)	R
Allowance for Disbursements (Electronic Engineer)	R
Total Disbursements (Table 4)	R

TABLE 5 – Final Summary

Table 1 Total	R
Table 2 Total	R
Table 3 Total	R
Table 4 Total	R
Sub-Total	R
ADD VAT at 15%	R
GRAND TOTAL (to be carried to the Form of Offer and Acceptance)	R

PART C3: SCOPE OF WORK

C3.1 Project description

The Construction of a new 550 Bedded Tertiary Hospital in Empangeni.

C3.2 Project Background and Specification

Please refer to the attached Prefeasibility Report with selected Annexures attached as Annexure F.

C3.3 Detailed Project Scope of Work, Project Outcomes, Project Objectives and Project Success Criteria

Please refer to the attached Prefeasibility Report with selected Annexures attached as Annexure F.

C3.4 Scope of Services Required from the Professional Service Providers (PSP):

The Scope of Services for all Professionals can be found below as well as in the Prefeasibility Report attached as Annexure F.

C3.4.1 Mechanical Engineer

The Mechanical Engineer will provide a full scope of standard services as described in the 'Guideline for Professional Fees' (as issued by ECSA applicable at the date of tender closing) and the gazetted 'Identification of Engineering Work' (applicable at the date of tender closing), to the extent required to ensure a quality outcome, considering the complexity of the project. The Mechanical Engineer shall report to Project Manager.

The services will include engineering contribution pertaining to the deliverables and approvals required by the FIDPM and relevant Provincial and National Departments of Health processes. Preparation of documentation to apply and gain approval by relevant regulatory authorities is included.

The Mechanical Engineering service shall be deemed to include for Fire Engineering, HVAC, Laundry, Wet Services, Kitchen Equipment, Cold Rooms, Lifts, Medical Gas and any other mechanical services related to this type of hospital project.

The Department will require BIM deployment which is to cover the planning, design, construction, operation and maintenance stages, ensuring a comprehensive and integrated approach to managing the assets' lifecycle. The objectives of BIM utilisation is outlined as follows:

- a) Enhanced collaboration: To improve co-ordination and collaboration among all stakeholders, including designers, contractors and organisational managers.
- b) Improved Design Quality: To enhance design accuracy and detect potential issues early in the design stage.
- c) Sustainability: Energy efficiency, monitoring and environmental aspects.
- d) Efficient Construction Management: To streamline construction processes, manage information requirements, reduce errors and improve project timelines.

- e) Optimised Facilities Management: Facilitate efficient operation and maintenance of the building through detailed and accessible information

To meet the organisational goals and objectives of the Department. Importance is placed on the development of data for utilisation during the Operations and Maintenance stage of the assets' Lifecycle. This will require transfer of data and training of the Facilities Management Team.

In this respect the following is noted to be developed:

- a) As Built BIM model and Documentation: Creation of accurate as-built BIM model reflecting completed construction.
- b) Facilities Management Integration: Integrating BIM Models with Facilities Management systems to support maintenance, operations and asset management
- c) Lifecycle Data Management: Maintain and update the BIM model with lifecycle data, including maintenance Records, warranties and Equipment specifications.
- d) Documentation: Provide comprehensive documentation, including user manuals, maintenance guides and BIM standards
- e) Training Programs: Conduct training sessions for stakeholders to ensure proficient use of BIM tools and adherence to protocols

The Department will require BIM integration between all design disciplines in the project. The Department requires BIM integration between design, planning, scheduling, life cycle costing, sustainability analysis and ultimately provide the ability to measure the performance of the building/infrastructure.

The Mechanical Engineer will prepare policy documents for the maintenance of Mechanical infrastructure on the project.

The PSP shall make provision for adequate resources being deployed to the project including site staff.

The Engineer shall be responsible for the production of all estimates, the bills of quantities and all financial, tender and contractual matters shall be dealt with by the consulting engineer (e.g.

C3.4.2 Electrical Engineer

The Electrical Engineer will provide a full scope of standard services as described in the 'Guideline for Professional Fees' (as issued by ECSA applicable at the date of tender closing) and the gazetted 'Identification of Engineering Work' (applicable at the date of tender closing), to the extent required to ensure a quality outcome, considering the complexity of the project. The Electrical Engineer shall report to the Mechanical Engineer (as lead of the consortium) and the Project Manager.

The services will include engineering contribution pertaining to the deliverables and approvals required by the FIDPM and relevant Provincial and National Departments of Health processes. Preparation of documentation to apply and gain approval by relevant regulatory authorities is included.

The Electrical Engineer shall have renewable energy expertise and be responsible for incorporating renewable energy initiatives on the project.

The Department will require BIM integration between all design disciplines in the project. It will be desirable to have BIM integration that includes planning & scheduling, costing estimation and sustainability analysis.

The Electrical Engineer will prepare policy documents for the maintenance of Electrical infrastructure on the project.

The PSP shall make provision for adequate resources being deployed to the project including site staff.

The Engineer shall be responsible for the production of all estimates, the bills of quantities and all financial, tender and contractual matters shall be dealt with by the consulting engineer (e.g. lump sum, nominated or selected sub-contracts etc.).

A Networking Specialist shall be required to plan, design, document, maintain and monitor networks to ensure that they function efficiently (LAN/WAN and VOIP)

A Solutions Architect or Systems Architect shall be responsible for designing, planning and documenting the technical aspects of all ICT services to ensure that it meets the desired requirements of the Department and is scalable to meet the future business needs.

C3.4.3 Electronic I Engineer

The Electronic Engineer will provide a full scope of standard services as described in the 'Guideline for Professional Fees' (as issued by ECSA applicable at the date of tender closing) and the gazetted 'Identification of Engineering Work' (applicable at the date of tender closing), to the extent required to ensure a quality outcome, considering the complexity of the project. The Electronic Engineer shall report to the Mechanical Engineer (as lead of the consortium) and the Project Manager.

The services will include engineering contribution pertaining to the deliverables and approvals required by the FIDPM and relevant Provincial and National Departments of Health processes. Preparation of documentation to apply and gain approval by relevant regulatory authorities is included.

The Department will require BIM integration between all design disciplines in the project. It will be desirable to have BIM integration that includes planning & scheduling, costing estimation and sustainability analysis.

The Electronic Engineer will prepare policy documents for the maintenance of Electronic infrastructure on the project.

The PSP shall make provision for adequate resources being deployed to the project including site staff.

The Engineer shall be responsible for the production of all estimates, the bills of quantities and all financial, tender and contractual matters shall be dealt with by the consulting engineer (e.g. lump sum, nominated or selected sub-contracts etc.).

C3.4.4 General

Extensive consultation is to take place over all construction stages which will include (but is not exclusive) consultation with:

- DOH District
- DOH Head Office
- DOH Clinical Services
- National DOH
- Local authority

- Other Authorities
- Statutory bodies
- Other Departments

All consultants will be required to present end of stage deliverables for review and recommendations to the Health Infrastructure Approval Committee according to FIDPM and KZN DOH policies. All additional required presentations to be done as may be required.

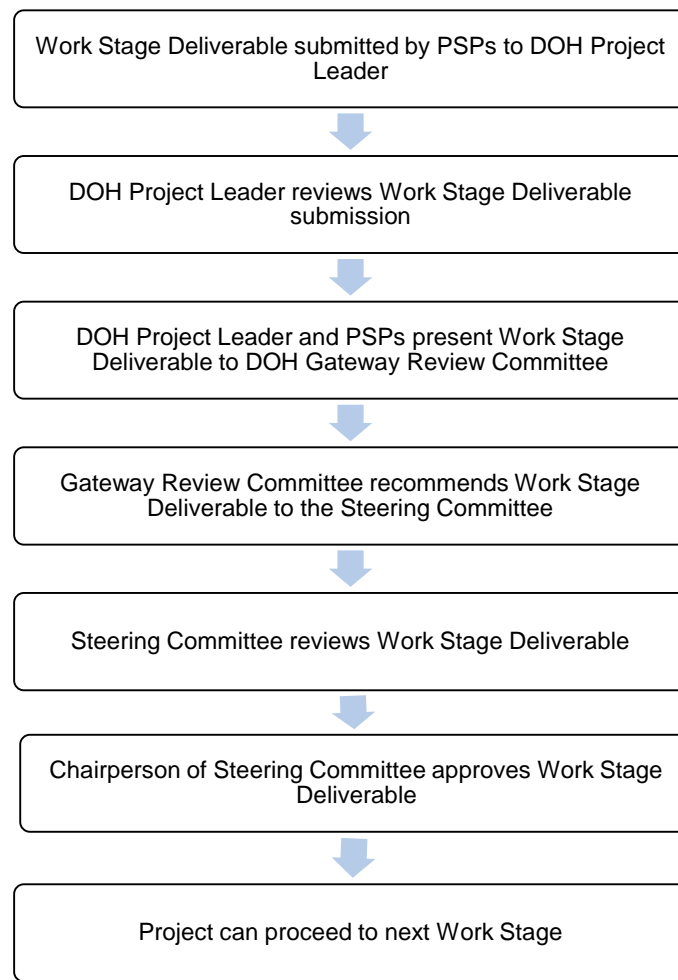
All approvals to be acquired as may be required.

C3.5 Planning and Programming

The Employer stipulates timelines/milestones for the project as shown below:

PSP Deliverables according to Construction Work Stages	Duration to produce deliverables for each stage
Stage 1: Inception Report	1 month
Stage 2: Concept & Feasibility Report	8 months
Stage 3: Design Development Report	14 months
Stage 4: Design Documentation Report / Documentation & Procurement	6 months
Stage 5: Works	54 months
Stage 6: Project Close Out	12 months
TOTAL TIME TO PRODUCE DELIVERABLES	95 months

C3.6 Approval Process per FIDPM Work Stage



C3.7 Quality Management

The prefeasibility of the project includes the service requirements document, business case and scope baseline. To achieve a quality deliverable various stakeholder inputs, legislation, policies, standards, guidelines and operating procedures inform the report. This forms the project baseline. The Requirements Document will form the quality standards baseline.

The stages of an infrastructure project are guided by the Framework for Infrastructure Delivery and Procurement Management (FIDPM) (2019). The quality management plan is structured according to these stages of work and indicates the activities required to meet quality objectives. It also guides tolerances and activities that ensure compliance. Guidance and checklists for the deliverables for these stages are available in the Infrastructure Development Project Procedure Manual and in the HIAC checklists. A gateway review committee has been appointed to perform the independent review of projects at the each stage gate.

Quality is managed by the Department throughout the project lifecycle and is described through the below diagram.

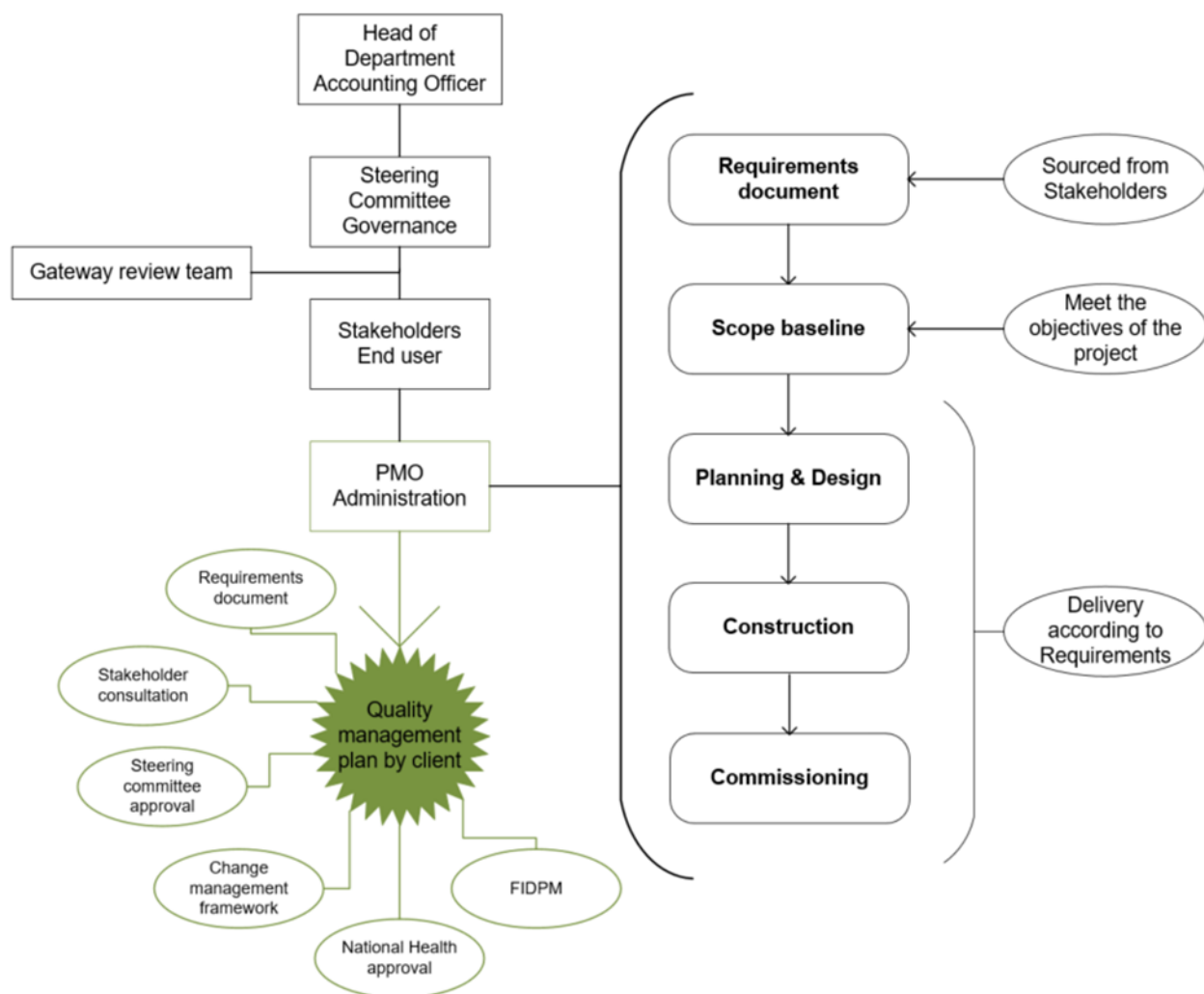


Figure 1 Quality in the project lifecycle, with focus on the client's responsibility

At each stage it is expected that an adequate quality assurance process will be followed.

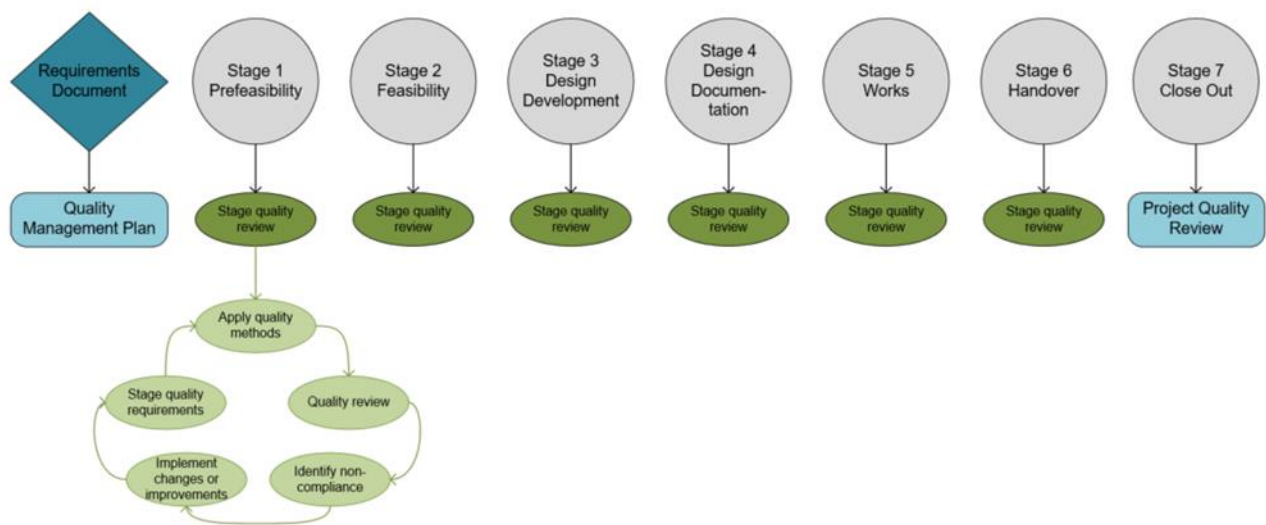


Figure 2 The quality assurance process at each work stage

It is the responsibility of the Department to provide professional service providers with a clear project briefing and to provide appropriate guidance on the client's expectations and standards.

For stages that professional service providers (PSP's) are appointed, it is their responsibility to undertake quality management of the scope of work assigned to them in line with the diagram below.

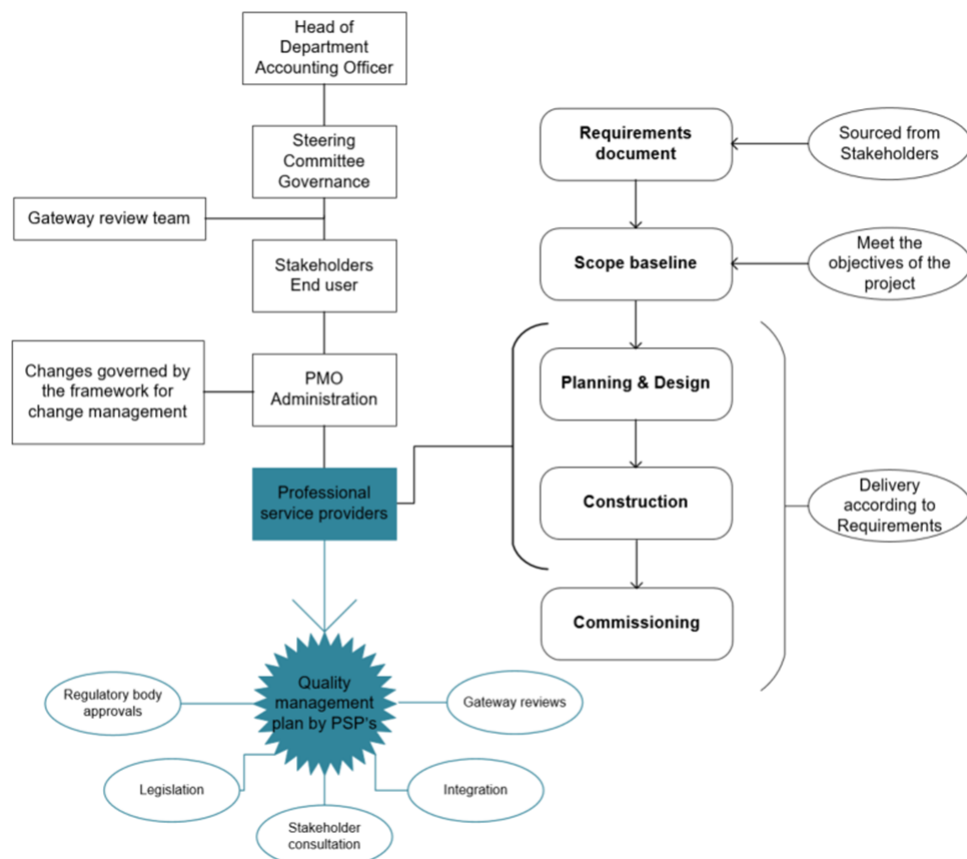


Figure 3 Quality in the project lifecycle, with focus on the PSPs responsibility

This quality management plan will be issued for approval by the PMO. The objective of this plan is to ensure compliance with the client's requirements, which includes all reference documents and applicable legislation. An Inception report will be produced by the PSP's in order to confirm understanding and alignment with the client's requirements. Consultation and approval from client representatives and relevant stakeholders is mandatory for all work produced. The quality management plan will provide a guideline on how this will be achieved and outline the expected level of quality. It will also outline what actions will be taken when there is non-conformance, non-approval or where changes have been made. The Department is responsible for making appropriate resources available to represent the client during these stages of work and to guide the design towards fulfilment of the project objectives.

Professional services will be regulated by the guidelines published by the relevant professional councils and by the requirements stated in the FIDPM and the plan must demonstrate how due diligence will be achieved.

C3.8 Contract Skills Development Goal

The CIDB Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 48491 of 28 April 2023, provides for the upliftment of learners through a structured skills development programme where the Service Contract has a duration of 12 months or more and the professional fees excluding allowances and including VAT is R5 million or more. This best practice standard for developing skills through infrastructure contracts establishes a minimum contract skills development goal which is to be achieved in the performance of a contract in relation to the provision of different types of workplace opportunities linked to work associated with a contract which aid in or lead to registration of learners in a professional category by one of the professional bodies listed in the standard (Categories of registration).

Categories of registration

Profession	Category of registration	Act
Architectural	Architect, Senior Architectural Technologist, Architectural Technologist or Architectural Draughtsperson	Architectural Profession Act of 2000 (Act No.44 of 2000)
Construction Health and Safety	Construction Health and Safety Agent, Construction Health and Safety Manager or Construction Health and Safety Officer	Project and Construction Management Professions Act of 2000 (Act No.48 of 2000)
Construction Project Management	Construction Project Manager	
Construction Management	Construction Manager	
Engineering	Engineer, Engineering Technologist, Engineering Technician or Certified Engineer	Engineering Profession Act of 2000 (Act No.46 of 2000)
Landscape Architectural	Landscape Architect, Landscape Technologist, Landscape Technician or Landscape Assistant	Landscape Architectural Profession Act of 2000 (Act No.45 of 2000)

Planning	Planner or Technical Planner	Planning Profession Act of 2002 (Act No.36 of 2002)
Quantity Surveying	Quantity Surveyor	Quantity Surveying Profession Act of 2000 (Act No.49 of 2000)
Scientists	Natural Scientists	Natural Scientific Professions Act (Act No.27 of 2003)
Surveying	Land Surveyor, Engineering Surveyor or Technician Engineering Surveyor	Professional and Technical Surveyors' Act (Act No. 40 of 1984)
Valuers	Valuer or Associate Valuer	Property Valuers Profession Act (Act No.47 of 2000)

The Contract Skills Development Goal (CSDG) is the number of hours of skills development opportunities that a Service Provider contracts to provide in relation to work directly related to the Service Contract up to completion the Professional Service Contract. The contract skills development goals, expressed in hours, shall be not less than the professional fees divided by 1 million and multiplied by 150 where professional fees is the financial value of a professional service contract at the time of the award of the contract excluding all allowances and expenses, but including value added tax.

Achieving the Contract Skills Development Goal (CSDG)

The Service Provider shall achieve the measurable contract skills development goal by providing opportunities to learners requiring structured workplace learning using one or a combination of any of the following in relation to work directly related to the contract or order:

- Method 1: structured workplace learning opportunities for learners towards the attainment of a part or a full occupational qualification;
- Method 2: structured workplace learning opportunities for apprentices or other artisan learners towards the attainment of a trade qualification leading to a listed trade (GG No. 35625, 31 August 2012) subject to at least 60% of the artisan learners being holders of public TVET college qualifications;
- Method 3: work integrated learning opportunities for University of Technology or Comprehensive University students completing their national diplomas; or
- Method 4: structured workplace learning opportunities for candidates towards registration in a professional category by a statutory council listed in the table above.

Employed learners may not account for more than 33 percent of the contract skills development goal. Not more than one method may be applied to any individual concurrently in the calculation of the contract skills development goal. The principle is that an individual can only be counted once towards the CSDG.

Contract Skills Development Goal Credits

Contract skills development credits will not be awarded for learners enrolled as beneficiaries of other funded or subsidised programmes. In the case of engineering and construction works, design and build and services contracts:

- The contract skills development goals shall be granted by multiplying the number of people employed by the Service Providers and placed for continuous training

opportunities in a three-month period by the notional values contained in the table below, or as revised in a Gazette notice.

- The Service Provider may source beneficiaries of the contract skills development goal from the CIDB Skills Development Agency (SDA).
- All beneficiaries of the Standard must be registered with the CIDB SDA.

NOTE: The role and function of a CIDB SDA is outlined in the Standard, Annexure B.

No more than 45 hours may be claimed per week for any individual.

The notional cost of providing training opportunities per quarter

Type of Training Opportunity	Provision for stipends (Unemployed learners only)	Provision for mentorship	Provision for additional costs*	Total costs	
				Unemployed learners	Employed learners
Method 1					
Occupational qualification	R7 000	R0	R9 000	R16 000	R9 000
Method 2					
TVET College graduates	R14 000	R0	R9 000	R23 000	N/A
Apprenticeship	R14 000	R0	R12 000	R26 000	R12 000
Method 3					
P1 and P2 learners, or a 240 credits qualification	R24 000	R20 000	R4 500	R48 500	N/A
Method 4					
Candidates with a 360 credits qualification	R37 000	R20 000	R4 500	R61 500	R20 000
Candidates with 480 or more credits qualification	R47 000	R20 000	R4 500	R71 500	R20 000

* Additional provisions include provisions for personal protective equipment, insurance, medical assessments, course fees and trade tools (where applicable), assessment, moderation and monitoring of learners.

NOTE:

- i. Where an unemployed learner is employed directly by the Service Provider, the Service Provider shall pay the stipend directly to the learner
- ii. Where an unemployed learner is sourced through an SDA, training provider or skills development facilitator, the Service Provider must pay the stipend to the SDA, training provider or skills development facilitator who in turn will pay the learner
- iii. The notional cost of providing training opportunities will be reviewed as and when required. The new, revised costs will be published as revised in a Gazette notice.

Tenderers shall study the CIDB Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 48491 of 28 April 2023 and ensure they comply with all conditions of the Standard.

Sanctions

Failure by the Service Provider to achieve the **total** Notional Cost of the Contract Skills Development Goal (excluding VAT), as indicated in the pricing schedule item, will result in a penalty of 30% of the value of the portion not achieved, unless the Service Provider can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

PART C4: SITE INFORMATION

The site is located on the outskirts of Empangeni and is part of the Empangeni Integrated Residential Development Plan Phase 2 Waterstone Development (EIRD Ph 2). It is accessible from the P425 (Western Bypass). Within a 5km radius the P425 intersects the R34 leading to Melmoth and Zululand district to the west, Richards Bay to the east and the R102 leading through Gingindlovu to Durban in the south. The R34 provides access to the N2, 10km away from the site, providing connectivity to Durban in the south and Pongola and Umkhanyakude district to the north.

The site is 5km away from Empangeni central business district and is 23km from Richards Bay. There are two high load public transport facilities within a 5km radius of the site providing public transportation to major cities in the region i.e. Durban.

Considering that the tertiary hospital is a referral based facility, the location is centrally placed to be accessed by the regional hospitals within the catchment area.

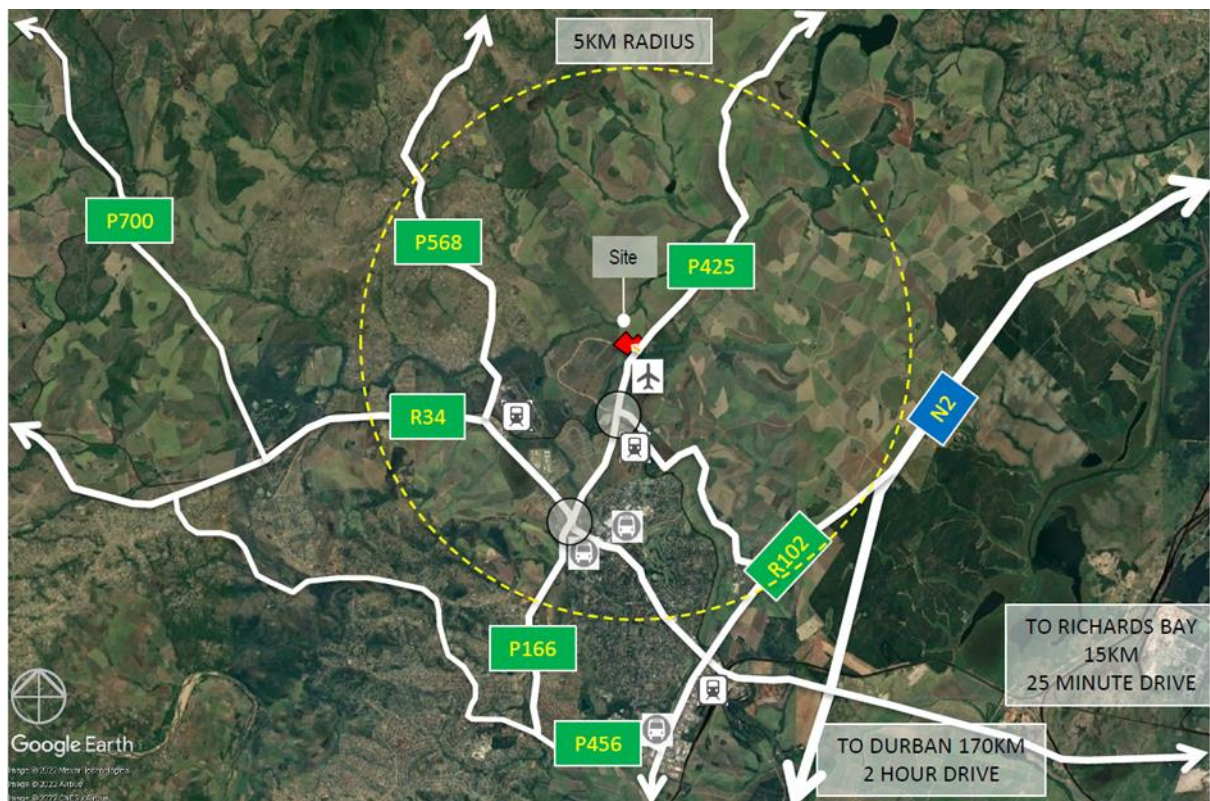


Figure 4 Empangeni IRDP Phase 2 (Waterstone Development)

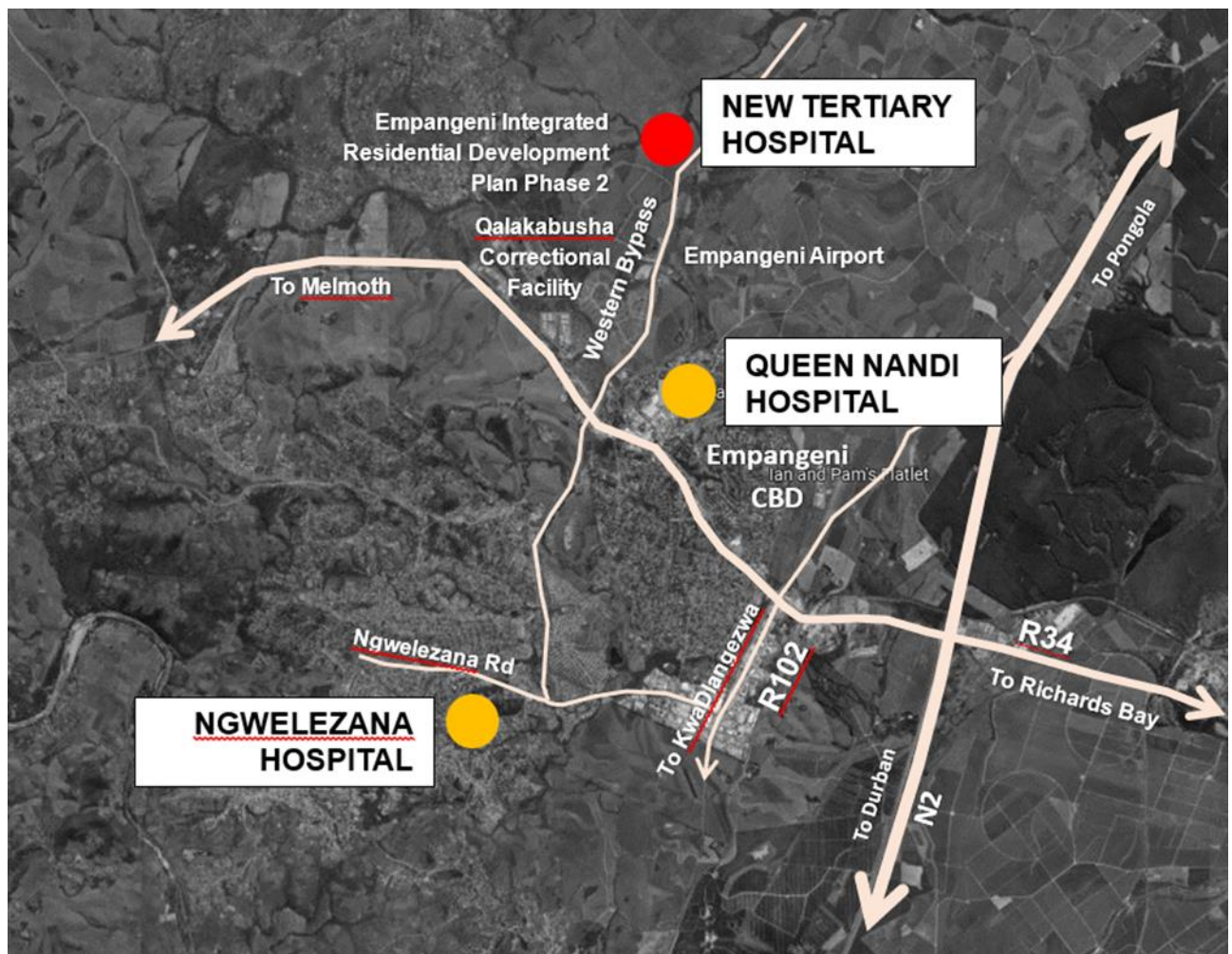


Figure 5 Location of site options within uMhlathuze Municipality

The site is located in the northern half of the EIRDP Ph 2, on the corner of the P425 and the ring road within the development. This location is very prominent and allows quick access from the provincial road, without experiencing hindrances that would occur within the centre of an urban environment.

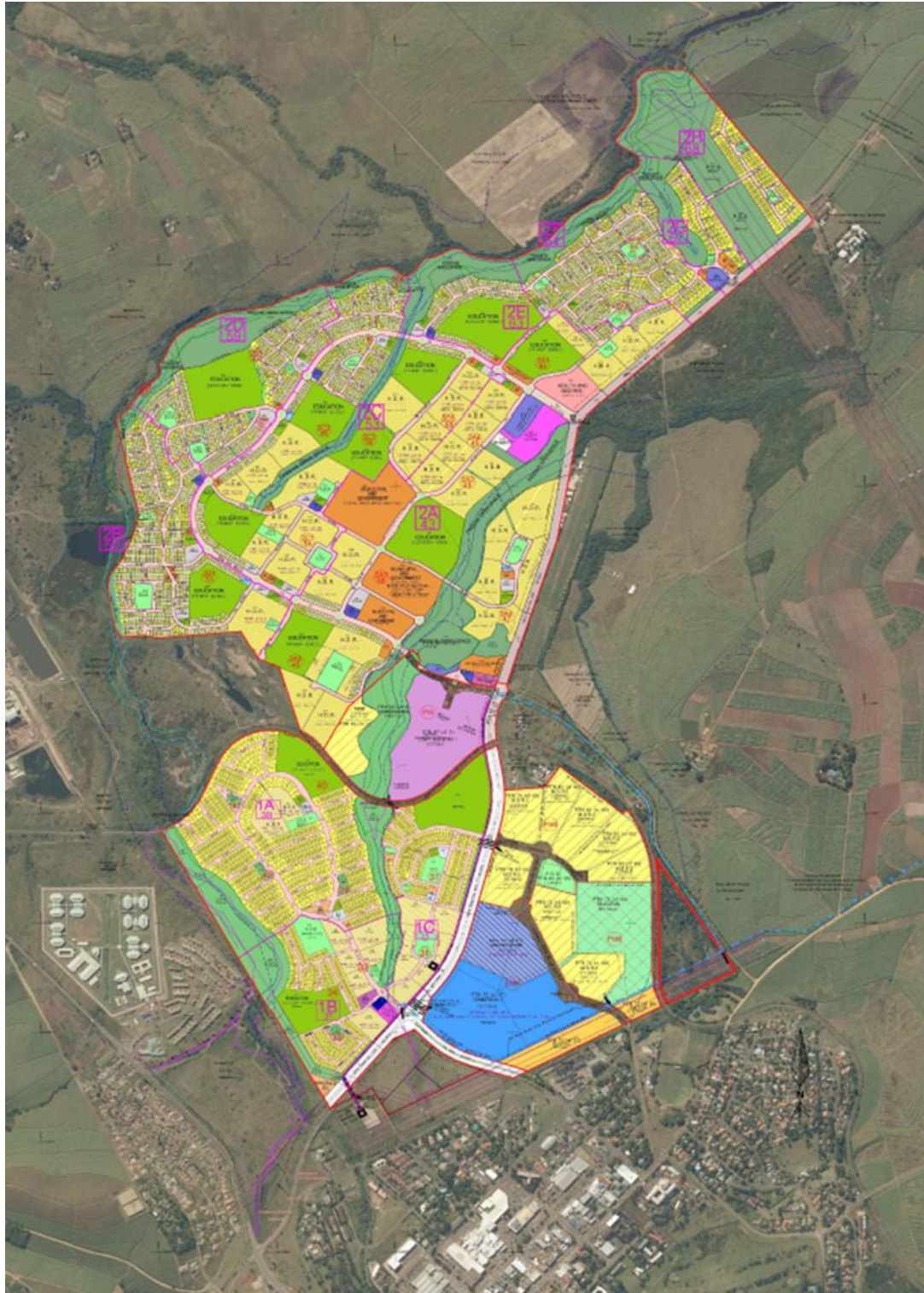


Figure 6 Location of the hospital site within the EIRDP Ph 2

The coordinates of the proposed site is -28° 42' 48", 31° 53' 35.06"

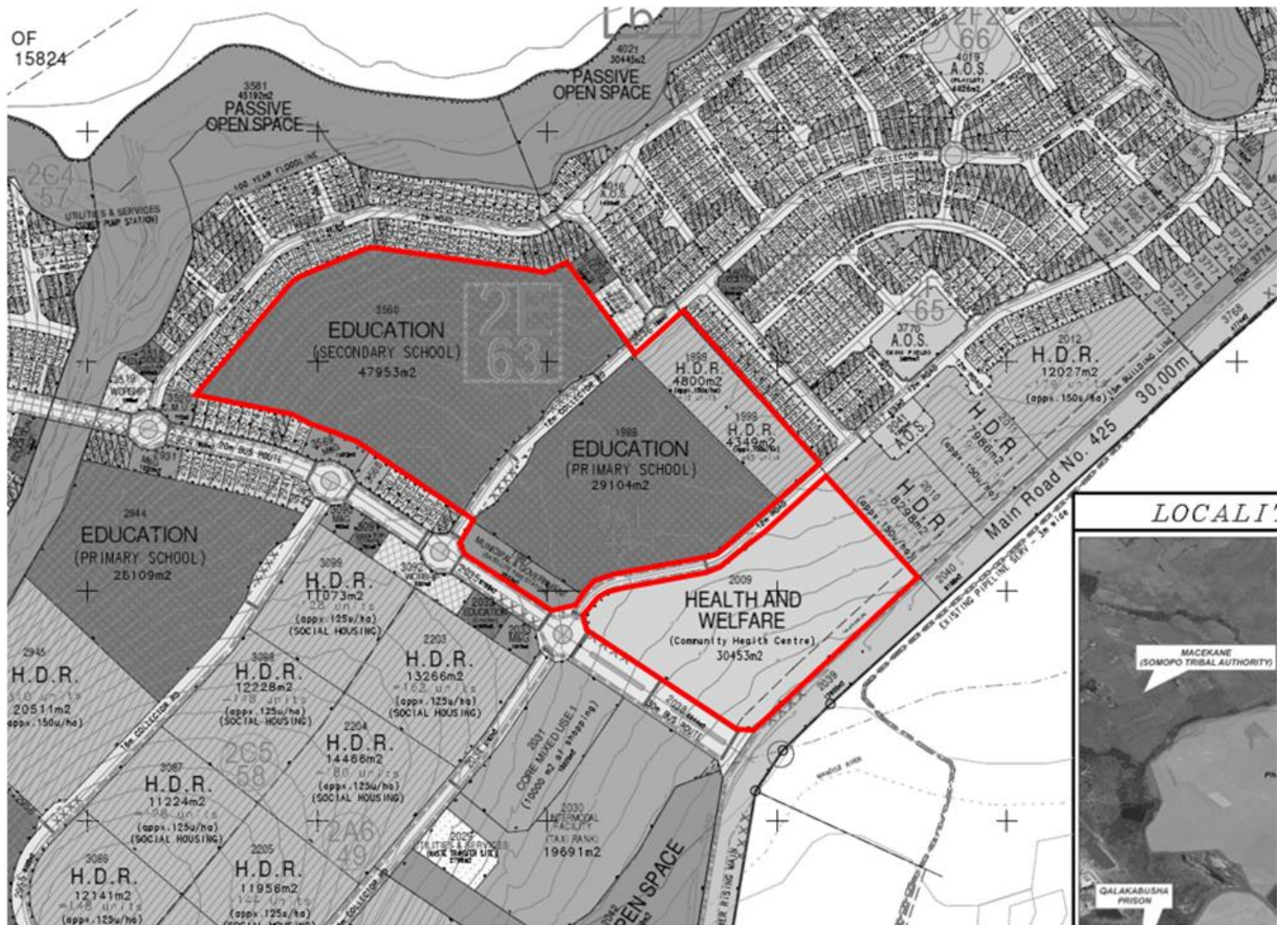


Figure 7 Town planning diagram of EIRDP Ph 2, site identified for the Department

ANNEXURES

ANNEXURE A

FORM A (SCHEDULE OF PROPOSED TEAM)

FORM A

SCHEDULE OF KEY PERSONS FOR THE PROJECT

Please note that if any of the information disclosed in the table below is found to be dishonest or inaccurate, this may result in the withdrawal of any award already made and a repudiation of this agreement.

PROPOSED KEY PERSONS AND PROPOSED ROLE ON THE PROJECT	GENDER: MALE / FEMALE (M/F)	DATE OF REGISTRATION AS A PROFESSIONAL / CANDIDATE	PROFESSIONAL REGISTRATION IN GOOD STANDING (YES/NO)	PROFESSIONAL/ CANDIDATE REGISTRATION NUMBER	YEARS OF POST REGISTRATION EXPERIENCE	AGE
Please state the name of the individual below that will represent the consortium when engaging with the employer.						
Consortium Representative :						
MECHANICAL ENGINEERING RESOURCES						
• Mechanical Engineering Firm/s:						
• Principal Mechanical Engineer: Name:						
• Professional Mechanical Engineer 1: Name: Role on Project:						

PROPOSED KEY PERSONS AND PROPOSED ROLE ON THE PROJECT	GENDER: MALE / FEMALE (M/F)	DATE OF REGISTRATION AS A PROFESSIONAL / CANDIDATE	PROFESSIONAL REGISTRATION IN GOOD STANDING (YES/NO)	PROFESSIONAL/ CANDIDATE REGISTRATION NUMBER	YEARS OF POST REGISTRATION EXPERIENCE	AGE
<ul style="list-style-type: none"> Professional Mechanical Engineer 2: Name: Role on Project:						
<ul style="list-style-type: none"> Mechanical Engineering Technologist 1: Name: Role on Project:						
<ul style="list-style-type: none"> Mechanical Engineering Technologist 2: Name: Role on Project:						
<ul style="list-style-type: none"> Other Resources: (State Name and Role for All Other Resources listed) 						

PROPOSED KEY PERSONS AND PROPOSED ROLE ON THE PROJECT	GENDER: MALE / FEMALE (M/F)	DATE OF REGISTRATION AS A PROFESSIONAL / CANDIDATE	PROFESSIONAL REGISTRATION IN GOOD STANDING (YES/NO)	PROFESSIONAL/ CANDIDATE REGISTRATION NUMBER	YEARS OF POST REGISTRATION EXPERIENCE	AGE
<ul style="list-style-type: none"> Other Resources (Continued): 						

PROPOSED KEY PERSONS AND PROPOSED ROLE ON THE PROJECT	GENDER: MALE / FEMALE (M/F)	DATE OF REGISTRATION AS A PROFESSIONAL / CANDIDATE	PROFESSIONAL REGISTRATION IN GOOD STANDING (YES/NO)	PROFESSIONAL/ CANDIDATE REGISTRATION NUMBER	YEARS OF POST REGISTRATION EXPERIENCE	AGE
ELECTRICAL ENGINEERING RESOURCES						
• Electrical Engineering Firm/s:						
• Principal Electrical Engineer: Name:						
• Professional Electrical Engineer 1: Name: Role on Project:						
• Electrical Engineering Technologist 1: Name: Role on Project:						
• Electrical Engineering Technologist 2: Name: Role on Project:						

PROPOSED KEY PERSONS AND PROPOSED ROLE ON THE PROJECT	GENDER: MALE / FEMALE (M/F)	DATE OF REGISTRATION AS A PROFESSIONAL / CANDIDATE	PROFESSIONAL REGISTRATION IN GOOD STANDING (YES/NO)	PROFESSIONAL/ CANDIDATE REGISTRATION NUMBER	YEARS OF POST REGISTRATION EXPERIENCE	AGE
<ul style="list-style-type: none"> Other Resources: (State Name and Role for All Other Resources listed) 						

PROPOSED KEY PERSONS AND PROPOSED ROLE ON THE PROJECT	GENDER: MALE / FEMALE (M/F)	DATE OF REGISTRATION AS A PROFESSIONAL / CANDIDATE	PROFESSIONAL REGISTRATION IN GOOD STANDING (YES/NO)	PROFESSIONAL/ CANDIDATE REGISTRATION NUMBER	YEARS OF POST REGISTRATION EXPERIENCE	AGE
ELECTRONIC ENGINEERING RESOURCES						
<ul style="list-style-type: none"> Electronic Engineering Firm/s: 						
<ul style="list-style-type: none"> Principal Electronic Engineer: Name:						
<ul style="list-style-type: none"> Professional Electronic Engineer 1: Name: Role on Project:						
<ul style="list-style-type: none"> Electronic Engineering Technologist 1: Name: Role on Project:						
<ul style="list-style-type: none"> Other Resources: (State Name and Role for All Other Resources listed) 						

PROPOSED KEY PERSONS AND PROPOSED ROLE ON THE PROJECT	GENDER: MALE / FEMALE (M/F)	DATE OF REGISTRATION AS A PROFESSIONAL / CANDIDATE	PROFESSIONAL REGISTRATION IN GOOD STANDING (YES/NO)	PROFESSIONAL/ CANDIDATE REGISTRATION NUMBER	YEARS OF POST REGISTRATION EXPERIENCE	AGE
<ul style="list-style-type: none"> Other Resources (Continued): 						

ANNEXURE B

CURRICULUM VITAE TEMPLATE

CURRICULUM VITAE TEMPLATE (PER INDIVIDUAL)

1. Personal Details

Name:	
Date of Birth:	
Current Employer:	
Current Position Held:	
Duration in Current Position:	

2. Education (Degrees, Diplomas, BTech and Post Graduate Qualifications ONLY)

Qualification	Year Obtained	Institution

3. Professional Registration/s

Professional Body	Year Obtained	Expiry Date	Category of Professional Registration

4. Relevant Project Experience (Provide a maximum of 3 relevant projects)

PROJECT 1 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Firm Employed at During Project:	
Role on Project:	
Years Worked on Project:	
Construction Stages Worked on:	

PROJECT 1 DETAILS (CONTINUED) - CLIENT INFORMATION

Company Name:

Reference Name:

Reference Role on Project:

Reference Contact Number/s:

Reference Email Address:

PROJECT 2 DETAILS

Project Name:

Project Scope:

Project Value:

Project Start Date:

Project Completion Date:

Firm Employed at During Project:

Role on Project:

Years Worked on Project:

Construction Stages Worked on:

PROJECT 2 DETAILS (CONTINUED) - CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

PROJECT 3 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Firm Employed at During Project:	
Role on Project:	
Years Worked on Project:	
Construction Stages Worked on:	

PROJECT 3 DETAILS (CONTINUED) - CLIENT INFORMATION
Company Name:
Reference Name:
Reference Role on Project:
Reference Contact Number/s:
Reference Email Address:

ANNEXURE C

(LIST OF THE ORGANIZATIONS COMPLETED OR CURRENT PROJECTS)

LIST OF THE ORGANIZATIONS COMPLETED OR CURRENT PROJECT

The below tables must be correctly and fully completed in order to be evaluated in Part (B) of the eligibility criteria. Failure to complete the tables below will lead to being disqualified in the tender.

Mechanical Engineering Services

PROJECT 1 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Status:	
Project Appointment Date:	Project Completion Date (If Applicable):
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Mechanical Engineering Services

PROJECT 2 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Status:	
Project Appointment Date:	Project Completion Date (If Applicable):
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electrical Engineering Services

PROJECT 1 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Status:	
Project Appointment Date:	Project Completion Date (If Applicable):
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electrical Engineering Services

PROJECT 2 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Status:	
Project Appointment Date:	Project Completion Date (If Applicable):
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electronic Engineering Services

PROJECT 1 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Status:	
Project Appointment Date:	Project Completion Date (If Applicable):
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electronic Engineering Services

PROJECT 2 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Status:	
Project Appointment Date:	Project Completion Date (If Applicable):
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

ANNEXURE D

FORM B (LIST OF COMPLETED PROJECT REFERENCES)

FORM B

LIST OF COMPLETED PROJECT REFERENCES

The below tables must be correctly and fully completed in order to be eligible to receive points for Section 3 of the Functionality Criteria

Mechanical Engineering

PROJECT 1 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Mechanical Engineering

PROJECT 2 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Mechanical Engineering

PROJECT 3 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electrical Engineering

PROJECT 1 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electrical Engineering

PROJECT 2 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electrical Engineering

PROJECT 3 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electronic Engineering

PROJECT 1 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electronic Engineering

PROJECT 2 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

Electronic Engineering

PROJECT 3 DETAILS	
Project Name:	
Project Scope:	
Project Value:	
Project Start Date:	Project Completion Date:
Service Provided:	
CLIENT INFORMATION	
Company Name:	
Reference Name:	
Reference Role on Project:	
Reference Contact Number/s:	
Reference Email Address:	

ANNEXURE E

REFERENCE FORM

Professional Service Provider Reference Form

Name of Tenderer's Firm / Company:							
Reference Project Title:							
Description / Scope of Works:							
Construction Value of Project:							
Construction Completion Date:							
Professional Service Rendered (Mark one service per form) Mark with an 'X' <table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Mechanical Engineer</td> <td style="text-align: center;">Electrical Engineer</td> <td style="text-align: center;">Electronic Engineer</td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table>		Mechanical Engineer	Electrical Engineer	Electronic Engineer			
Mechanical Engineer	Electrical Engineer	Electronic Engineer					

Rate the following aspects of the Professional Service Provider's Performance (Reasons for ratings are optional)

0 = Poor, 1 = Satisfactory, 2 = Excellent

(Mark with an 'X' next to the appropriate rating)

1. Meeting the project brief requirements (client requirements)

0		1		2	
---	--	---	--	---	--

Reason for rating:

2. Technical expertise and experience

0		1		2	
---	--	---	--	---	--

Reason for rating:

3. Sufficient resources assigned throughout the project

0		1		2	
---	--	---	--	---	--

Reason for rating:

4. Adherence to the programme (client's milestones)

0		1		2	
---	--	---	--	---	--

Reason for rating:

5. Quality of technical documentation

0		1		2	
---	--	---	--	---	--

Reason for rating:

6. Innovation

0		1		2	
---	--	---	--	---	--

Reason for rating:

7. Response to queries and requests for information

0		1		2	
---	--	---	--	---	--

Reason for rating:

8. Co-ordination and co-operation (attitude) with the client and others

0		1		2	
---	--	---	--	---	--

Reason for rating:

9. Contract Administration

0		1		2	
---	--	---	--	---	--

Reason for rating:

10. Acceptance of construction work by PSP (meeting client's quality expectations)

0		1		2	
---	--	---	--	---	--

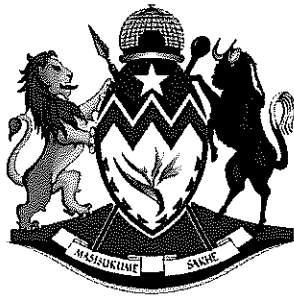
Reason for rating:



Client Reference Information	
Name of Client Representative:	
Company:	
Role / Designation:	
Role on Project:	
Contact No.:	
Signature:	
Date:	

ANNEXURE F

PREFEASIBILITY REPORT (with selected Annexures)



KWAZULU-NATAL PROVINCE

HEALTH
REPUBLIC OF SOUTH AFRICA

KZN DEPARTMENT OF HEALTH

PREFEASIBILITY REPORT

Northern KwaZulu-Natal Tertiary Hospital – Construction of a New Hospital

Vers.01

January 2024

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[OBJ]

ABBREVIATIONS

AD	Assistant Director
CHC	Community Health Centre
CT	Computerized Tomography
DD	Deputy Director
ED	Emergency Department
ECG	Electrocardiogram
ECT	Electroconvulsive therapy
EEG	Electroencephalogram
EMS	Emergency Medical Services
ENT	Otorhinolaryngology
GOPD	Gynaecology Outpatient Department
HCD	Head of Clinical Department
HCU	Head of Clinical Unit
HIS	Hospital Information System
HVAC	Heating, Ventilation and Air Conditioning
IALCH	Inkosi Albert Luthuli Central Hospital
ICT	Information and Communications Technology
ICU	Intensive Care Unit
IUSS	Infrastructure Unit Support Systems
KCD	King Cetshwayo District
KMC	Kangaroo Mother Care
KZN	KwaZulu-Natal
LV	Low Voltage
MDT	Multidisciplinary team
MO	Medical Officer
MV	Medium Voltage
NHI	National Health Insurance
OPD	Outpatient Department
OT	Occupational Therapy
P1	Polytrauma 1
P2	Polytrauma 2
PABX	Private automatic branch exchange
PACS	Picture Archiving and Communication Systems
PAMS	Professions Aligned to Medical Services

PET-CT scan	Positron emission tomography - computerised tomography scan
PHOC	Provincial Health Operations Centre
PSMA	Prostate Specific Membrane Antigen
PTC	Pharmaceuticals and Therapeutic Committee
PPT	Planned Patient Transport
RIS	Radiology Information System
SCM	Supply Chain Management
SAPC	South African Pharmacy Council
SAT	Site Acceptance Test
T1	Tertiary Services
T2	Central Referral Services
T3	National Referral Services
TMS	Transcranial Magnetic Stimulator
UKZN	University of KwaZulu-Natal

1. EXECUTIVE SUMMARY

The document presents the prefeasibility report as required by the Framework for Infrastructure Delivery and Procurement Management (FIDPM 2019) and the Infrastructure Planning and Appraisal Guideline (2022). The document is supported by several Annexures that must be read together with this document.

The document provides the description of the project and the team responsible for the management of the project. The report is the first stage of the predictive lifecycle of a 550-bed provincial tertiary hospital (T1) in an Empangeni, north of KwaZulu-Natal. The detailed investigation reports are included The Business Case and the Clinical Brief which is incorporated into the Requirements Document were approved by the National Department of Health and these are included as attachments. The Department intends to fund the planning and design stages of the project from the Health Facility Revitalisation Grant for infrastructure. There are plans to apply for external funding for the construction and equipping phase of the hospital. The Department may still co-fund the construction phase depending on the outcome of the funding application.

The document contains baseline project plan which provides scope, cost and schedule. The baseline of the three triple constraints of the project forms a performance measurement baseline which will be used to measure the performance of the project team as it continues to implement the project. The performance measurement is also supported by the milestone schedule which will also serve to monitor performance.

The project cost used in this document includes contingency but excludes escalation. During the measurement of actual performance against the baseline cost, the escalation should also be excluded. The rolling wave planning and estimation will continue to improve the accuracy of the project estimate as the project progresses from one stage to the other.

Project integration requires that a common data environment is created to ensure effective document control, sharing and updating of files. The common data environment will also help mitigate unnecessary clashes during the design stage as well as during design changes at any time of the project lifecycle.

The project governance framework provides guidance on the roles of different departmental players in the management of the project as well as the approval process of changes in the project. The subsidiary plans have been integrated into this report and provide the approach of managing various knowledge areas during the planning, design, construction and commissioning of this facility.

2. PURPOSE OF THE DOCUMENT

The purpose of the Prefeasibility Report is to provide prefeasibility information that supports the initiation of the project for the "Northern KwaZulu-Natal Tertiary Hospital – Construction of a new hospital". Various investigation reports are attached to this main report and should be read together

with the main report. The document also present baseline information for the proposed project and various subsidiary plans established for the successful management of the project.

According to the FIDPM, *“a Prefeasibility Report, is required on mega capital projects to determine whether or not to proceed to the Feasibility Stage, where sufficient information is presented to enable a final decision to be made regarding the implementation of the project”*.

3. PROJECT DESCRIPTION

The project involves planning, design and construction of a new hospital offering a full provincial tertiary (T1) service in the north of KwaZulu-Natal. Currently, the catchment area has access to a limited provincial tertiary service offered in Empangeni by Queen Nandi Hospital and Ngwelezana Hospital. The proposed new hospital will be built at Empangeni. The details of the project are as follows:

- a) **Project Name:** Northern KwaZulu-Natal Tertiary Hospital - Construction of a new hospital
- b) **Facility Name:** New Northern KwaZulu-Natal Tertiary Hospital
- c) **Facility Number:** To be Confirmed
- d) **Facility Type:** Tertiary Hospital
- e) **Name of Province:** KwaZulu-Natal
- f) **Name of District Municipality:** King Cetshwayo
- g) **Name of Local Municipality:** uMhlathuze
- h) **Name of Town:** Empangeni
- i) **Name of Township:** Empangeni IRDP Phase 2 (Waterstone Development)
- j) **Facility Ownership:** KwaZulu-Natal Department of Health
- k) **Coordinates of the Proposed Site:** -28° 42' 48", 31° 53' 35.06"
- l) **Estimated Project Cost:** R7 710 369 259
- m) **Estimated Project Duration (all project phases):** 12 years
- n) **Estimated Construction Period:** 4 years
- o) **Project Type:** Greenfield project
- p) **Impact:** Increased life expectancy at birth
- q) **Outcomes:** Universal Health Coverage, Improved client experience of care, Reduced morbidity and mortality
- r) **Outputs:** 550-bed Tertiary Hospital, with residential accommodation, lodging facilities and parking facilities

The details of the sponsoring entity are as follows:

- a) **Name of Organisation:** KwaZulu-Natal Department of Health
- b) **Legal Mandate:** Provision of health services to citizens of KwaZulu-Natal
- c) **Name of Project Officer:** Mr Bongsi Gcaba, Townhill Office Park, 35 Hyslop Road, 033 940 2500, 083 628 1419, bongi.gcaba@KwaZulu-Natalhealth.gov.za

- d) **Contact at National Department of Health:** Mr Ndinannyi Mphaphuli, Dr Xuma Building, C3-9A, Pretoria, 012 395 8267/8, 082 373 0199 ndinannyi.mphaphuli@health.gov.za

The details recorded on the Project Information Management System (PMIS) are as follows:

- | | |
|---------------------------------------------|----------------------------------------------------------------------------------|
| a) Project Name: | Northern KZN Tertiary Hospital
Construction of a new hospital (Phase 1) |
| b) KZN-DOH Project Number: | 0143951 |
| c) Project Code: | 0143951 |
| d) Project Details / Scope: | Construction of a new T1 hospital services |
| e) Project Type: | Infrastructure Development - Projects |
| f) Budget Programme Number: | Programme 8 |
| g) Budget Programme Name: | Health Facilities Management |
| h) Sub-programme: | Other Facilities |
| i) Infrastructure Programme Name: | National Tertiary Services Grant (NTSG) |
| j) Nature of Investment: | New or Replaced Infrastructure |
| k) Nature of Investment Sub- status: | New Facility |
| l) Is this an EPWP (LI) Project? | No |
| m) Economic Classification: | Buildings and other fixed structures |
| n) Proposed Funding Source: | Budget for Infrastructure (BFI) & Health Facility
Revitalisation Grant (HFRG) |

4. PROBLEM STATEMENT

The Province of KwaZulu-Natal is supported by three tertiary hospitals based in Durban, Pietermaritzburg and Empangeni. However, the tertiary hospital in Empangeni which services the most rural and poor communities of King Cetshwayo, uMkhanyakude and Zululand Districts does not offer the full package of provincial tertiary services. Patients are transported to Durban and Pietermaritzburg on a 3-day journey away from their families to access outpatient services. Those admitted in Durban and Pietermaritzburg do not receive a benefit of frequent visits from their loved ones due to high travel costs. The project seeks to resolve the following main challenges:

- i. Long travel distances for patients and their loved ones;
- ii. Current hospitals in Empangeni are not dedicated Tertiary Hospitals resulting in poor patient care;
- iii. Burden on Planned Patient Transport (PPT);
- iv. Backlog of patients needing tertiary services; and
- v. Delayed access to medical care for emergency cases.

5. INTRODUCTION

The approved business case for proposed new tertiary hospital identified three options of solving the current problem. The approved option is to construct a new 550-bed tertiary hospital on a newly identified site that was found most appropriate for this development.

The Department's central goal of "Increased Life Expectancy" is expressed through three broad outcomes, 'Universal Health Coverage', 'Improved Client Experience of Care' and 'Reduced Morbidity and Mortality'. The new tertiary hospital will contribute to the realisation of these outcomes in the short, medium and long term. The intervention logic for the project which presents a visual demonstration of the relationship between the project objective, the associated outcomes/ intended results and the outputs required to achieve the results is presented below.

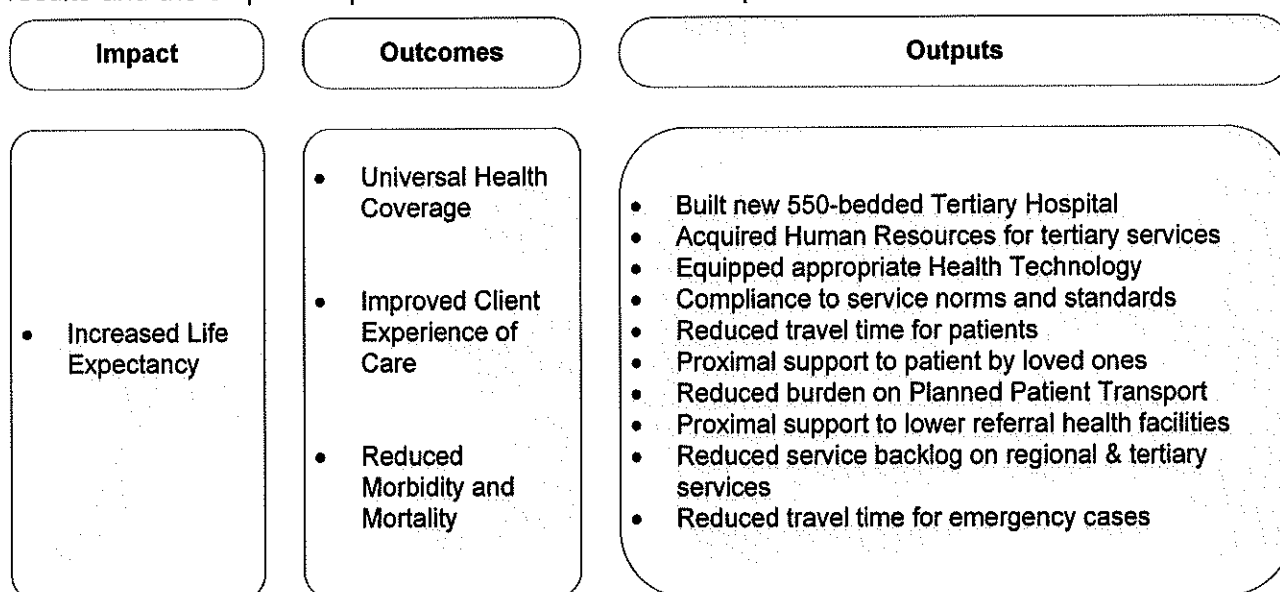


Figure 1: Project's intervention logic

The associated project outputs are expressed in SMART indicators which provide a measure of progress towards the delivery of the defined outcomes.

Outcome 1: Universal Health Coverage

The main objective of the proposed new tertiary hospital is to improve universal health coverage by improving access to quality tertiary level healthcare services to citizens in northern KwaZulu-Natal who currently travel extensive distances to access this level of healthcare. The proposed new tertiary hospital bridges the healthcare access gap for patients in the periphery thus promoting universal health coverage. The high-level outputs/ output indicators linked to this outcome are as follows:

- i. Built Health Infrastructure - New 550 bedded Tertiary Hospital
- ii. Acquired Human resources (specialised services)
- iii. Appropriate Health Technology

The built new tertiary hospital infrastructure provides the physical platform through which the tertiary healthcare services can be rendered. This is to be accompanied by health technology which is appropriate for the service and skilled personnel. The built hospital infrastructure will make provision for staff accommodation as part of the strategy for attraction and retention of staff.

Outcome 2: Improved Client Experience of Care

By bringing tertiary healthcare services closer to patients and the public, access to the service is improved. Travel time to access these services is also significantly reduced where in some cases patients have to travel over 3 days to access these services in eThekweni. The reduced travel distance also alleviates the pressures on planned patient transport services and emergency medical services. The new hospital will comply to the latest norms and standards, thus contributing to improved patient experience. The associated output indicators are listed as follows:

- i. Compliance to service norms and standards
- ii. Reduced travel time for patients
- iii. Reduced burden on PPT

Outcome 3: Reduced Morbidity and Mortality

The new hospital will shorten travel and therefore contribute to reduced morbidity and mortality as the travel time for emergency cases is immediately shortened. The associated output indicators are listed as follows:

- i. Reduced travel time for emergency cases
- ii. Reduced service backlog for tertiary services

6. SCOPE BASELINE

The scope baseline of this project comprises of the project Scope Statement, Work Breakdown Structure (WBS) and WBS Dictionary. The Scope Baseline is based on the attached Project Charter, Requirements Document, Business Case and the Clinical Brief. All these documents were approved by the Project Sponsor (Accounting Officer).

7. PROJECT SCOPE STATEMENT

7.1. PROJECT OBJECTIVES

Project objectives are classified into three categories namely, business/clinical objectives, social and economic objectives, and project management objectives. Business/clinical objectives were provided by the project sponsor through the approved project charter. Social and economic objectives are a product of the project charter and the stakeholder engagement. Project management objectives were identified by the PMO as critical for project success. The projects objectives are listed hereunder.

Business / Clinical Objectives

- i. Improve access to T1 level of healthcare;
- ii. Reduce burden on Planned Patient Transport (PPT);
- iii. Reduce burden and backlog of patients at tertiary hospitals in uMgungundlovu and eThekweni districts;
- iv. Improve quality of care of patients by treating patients closer to their place of residence;
- v. Early access to tertiary services;
 - i. Allow Inkosi Albert Luthuli Central Hospital (IALCH) to develop T2 (Central Referral Services) and T3 services (National Referral Services);
- vi. Compliance to applicable norms, standards, specifications, processes and procedures throughout the project life cycle; and
- vii. Promotion of best practice in project implementation and public healthcare by showcasing the project and providing education to community and other interested parties.

Social and Economic Objectives

- ii. Consideration of social and cultural identity of the local community;
- iii. Job creation, training opportunities, development and opportunities to local businesses;
- iv. Empowerment of departmental staff; and
- v. Empowerment of women, youth and persons with disabilities.

Project Management Objectives

- i. Development of a quality project proposal for acceptance and approval by funding authorities;

- ii. Acquisition of a suitable site for the development;
- iii. Appointment of experienced and competent internal project team personnel;
- iv. Ensure due diligence in the appointment of consultants, contractors and subcontractors;
- v. Development of a cohesive team to successfully lead the project from project initiation to close-out;
- vi. Effective and efficient project governance and its support systems (i.e. efficient project approval processes e.g. design, payment and variation order approvals);
- vi. Development of an innovative design that gives pride and unique identity to the people of northern KwaZulu-Natal; and
- vii. Effective communication and management of stakeholders in terms of Batho Pele principles and consideration of cultural context.

7.2. REQUIREMENTS

The requirements for this project are documented in the Requirements Document version 2, which is attached as Annexure B. The purpose of the Requirements Document is to document the needs, expected outcomes and expectations of the project customer, sponsor and stakeholders. Such needs include the agreed-upon conditions or capabilities of a service that the project is designed to satisfy. The requirements are documented from user stories elicited from individual units or departments responsible for specific clinical tertiary services (T1) and associated support services. The Requirements Document will continue to be updated to accommodate and document changes that may be necessary in the implementation of the project.

Package of Care

The new hospital will have 550 T1 beds with 12 operating theatres. The bed breakdown is detailed in Table 1 below.

Table 1: Proposed bed breakdown

Discipline	Bed Number	Percentage of total	Beds not counted
Anaesthetics			
Critical Care	32	5,82%	
Intensive Care	16	2,91%	
High Care	16	2,91%	
Emergency Medicine/Trauma			
Minors			
Resuscitation			4
Majors / Trauma			12
Minors / Non Trauma			
Radiology			
Obstetrics & Gynaecology	53	9,64%	

Discipline	Bed Number	Percentage of total	Beds not counted
Labour Ward			7
Antenatal	14		
Postnatal	21		
Maternal & Fetal Medicine	2		
Gynaecology	10		
Reproductive Medicine	3		
Urogynaecology	3		
Paediatric Services	68	12,36%	
Paediatrics General	10		
Paediatrics Critical Care			
ICU	4		
High Care	6		
Neonatology			
ICU	4		
High Care	6		
Kangaroo Mother Care			
Paediatrics Cardiology	3		
Paediatrics Haematology	5		
Paediatrics Neurology	5		
Paediatric Nephrology	5		
Paediatric Infectious Diseases	5		
Paediatric Other (Endocrine, Allergology, Genetics, Rheumatology, GIT, Palliative)	10		
Adolescent Ward	5		
Paediatric Surgery	15	2,73%	
Internal Medicine	105	19,09%	
Dermatology	5		
Infectious diseases	5		
Nephrology	20		
Peritoneal Dialysis			5
Haemodialysis			7
Neurology	8		
Haematology	15		16
General Medicine beds	10		
Cardiology	8		
Endocrinology	5		
Hepatology & Gastroenterology	8		
Pulmonology	8		
Rheumatology	8		
Geriatrics	5		
Oncology	32	5,82%	30
Nuclear Medicine	0		
Surgery	45	8,18%	
Burns Service	15	2,73%	
Neurosurgery	10	1,82%	
Maxillofacial Surgery	10	1,82%	
Ophthalmology	14	2,55%	
Otorhinolaryngology (ENT)	15	2,73%	
Plastic and Reconstructive Surgery	10	1,82%	

Discipline	Bed Number	Percentage of total	Beds not counted
Urology	16	2,91%	
Vascular Surgery	10	1,82%	
Cardiothoracic Surgery	10	2,36%	
Orthopaedic Surgery	45	8,18%	
Psychiatry	45	8,18%	
Acute ward	20		2
Adolescent unit	10		2
Therapeutic/psychogeriatric and neuropsychiatry unit	15		2
Dual Diagnosis Unit	0		
TOTAL	550		87

Table 2 explains the type and use of the 12 proposed theatres.

Table 2: Breakdown of theatres per type

No.	Type	Size (m ²)	Use
Theatre Block			
1	Alpha 1 Hybrid	60	Digital theatre with Hugo RAS Systems Medtronic, Fluoroscopy machine mobile or ceiling fixed microscope for use by multi disciplines teams as per need or schedules
2	Cath Lab & Cardiothoracic	60	Intervention Cardiology Unit & Cardiothoracic Units. 2 winged within one theatre with adjoining door
3	MDT (Multidisciplinary Team) Specialised	60	Ceiling fixed or mobile microscope, fluoroscopy machine.
4	MDT: Large Equipment	60	C Arm machine. For any Unit that requires C Arm machine. Storage room should be able to accommodate large equipment
5	MDT: General Endoscopies	40	Multi-Discipline General endoscopies
6	MDT: General Purposes	40	Multi-Discipline Use
7	MDT: General Purposes	40	Multi-Discipline Use
8	MDT: General Purposes	40	Multi-Discipline Use
9	MDT: General Purposes	40	Multi-Discipline Use
10	Burns	40	Designed for burns cases. Other Multi-Disciplinary Team may still use it all things considered.
Decentralised Theatres			
11	General	40	Obstetric theatre
12	Trauma	50	Trauma/Day/Minor Theatre Located within the Emergency department. For use in acute immediate trauma where moving patient beyond is not indicated, day cases and minor cases

Site Information

i. Strategic Location of the Site

The site is located on the outskirts of Empangeni and is part of the Empangeni Integrated Residential Development Plan Phase 2 Waterstone Development (EIRDP Ph 2). It is accessible from the P425 (Western Bypass). Within a 5km radius the P425 intersects the R34 leading to Melmoth and Zululand district to the west, Richards Bay to the east and the R102 leading through Gingindlovu to Durban in

the south. The R34 provides access to the N2, 10km away from the site, providing connectivity to Durban in the south and Pongola and Umkhanyakude district to the north.

The site is 5km away from Empangeni central business district and is 23km from Richards Bay. There are two high load public transport facilities within a 5km radius of the site providing public transportation to major cities in the region i.e. Durban.

Considering that the tertiary hospital is a referral based facility, the location is centrally placed to be accessed by the regional hospitals within the catchment area.

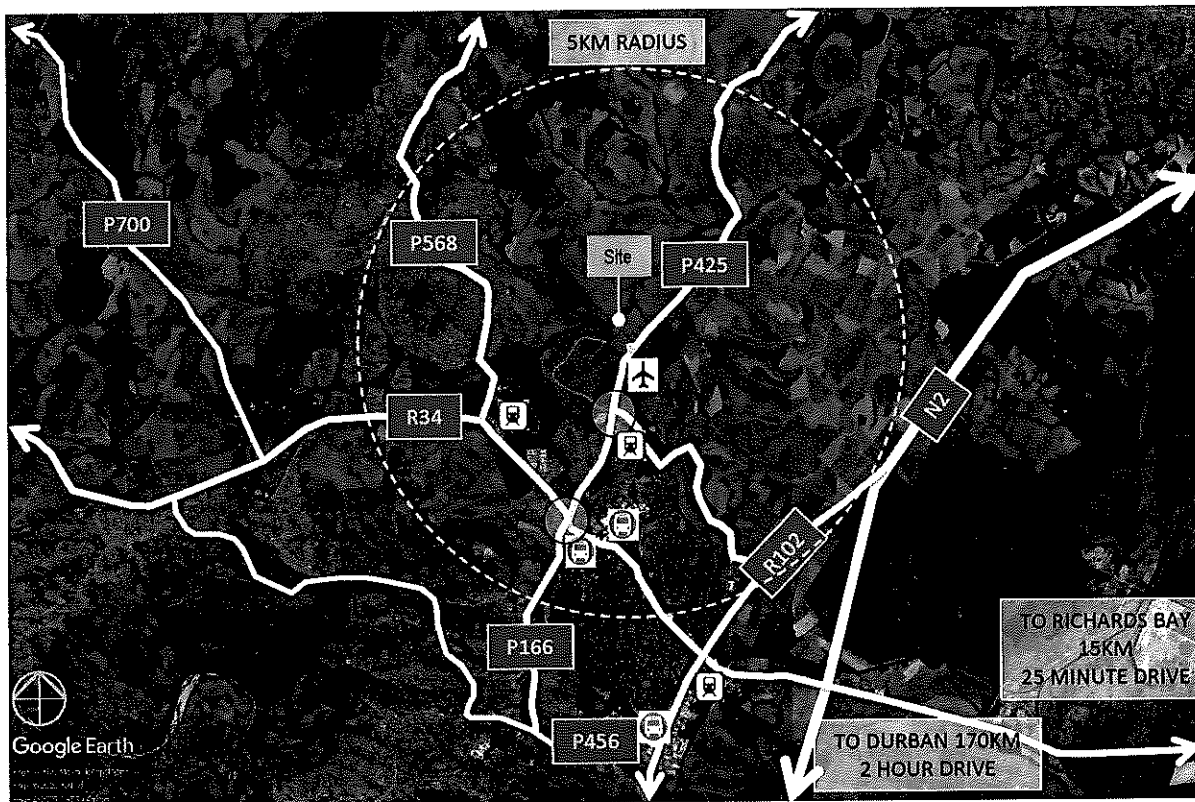


Figure 2: Empangeni IRDP Phase 2 (Waterstone Development)

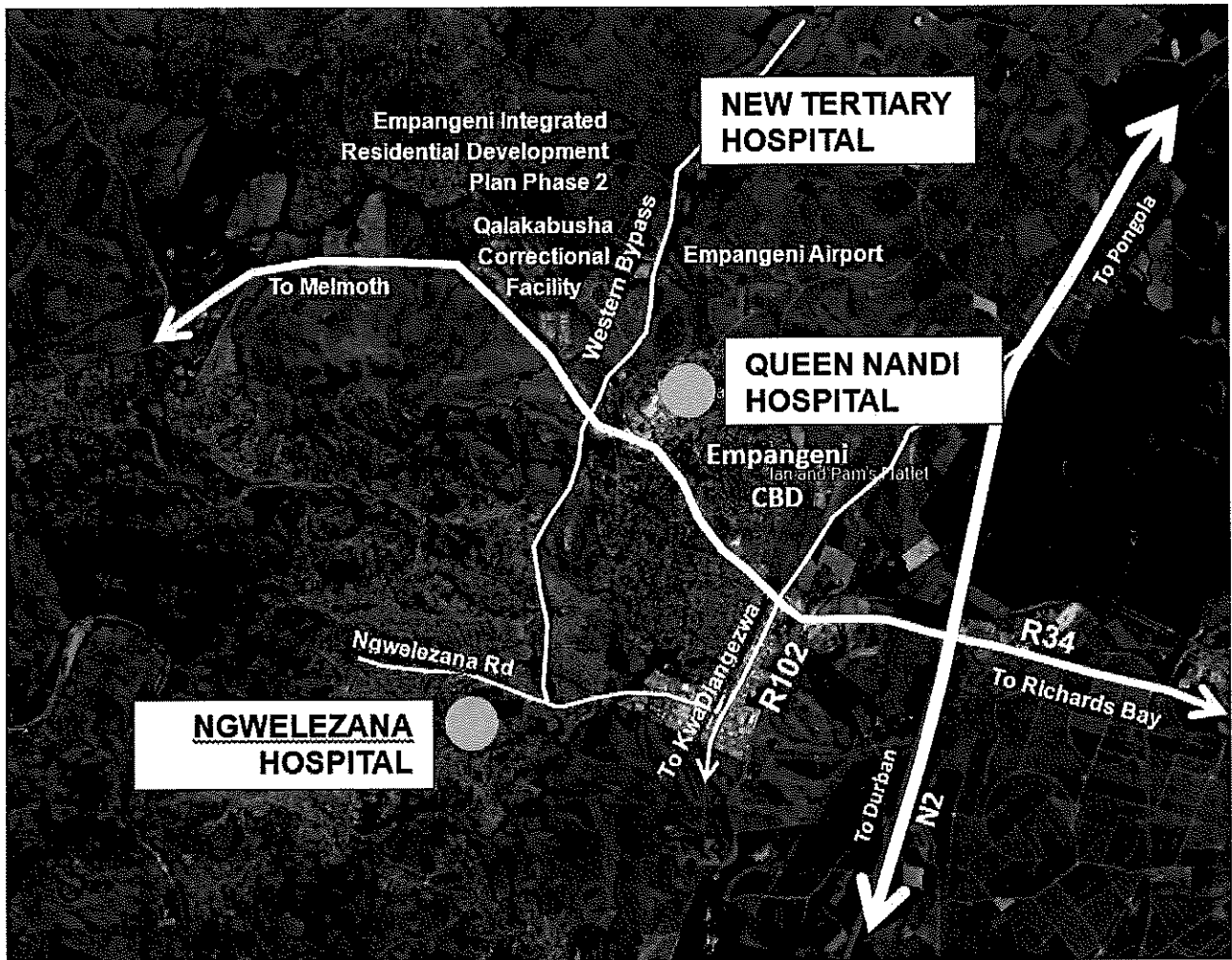


Figure 3: Location of site options within uMhlathuze Municipality

The site is located in the northern half of the EIRDP Ph 2, on the corner of the P425 and the ring road within the development. This location is very prominent and allows quick access from the provincial road, without experiencing hindrances that would occur within the centre of an urban environment.



Figure 4: Location of the hospital site within the EIRDP Ph 2

The coordinates of the proposed site is $-28^{\circ} 42' 48''$, $31^{\circ} 53' 35.06''$

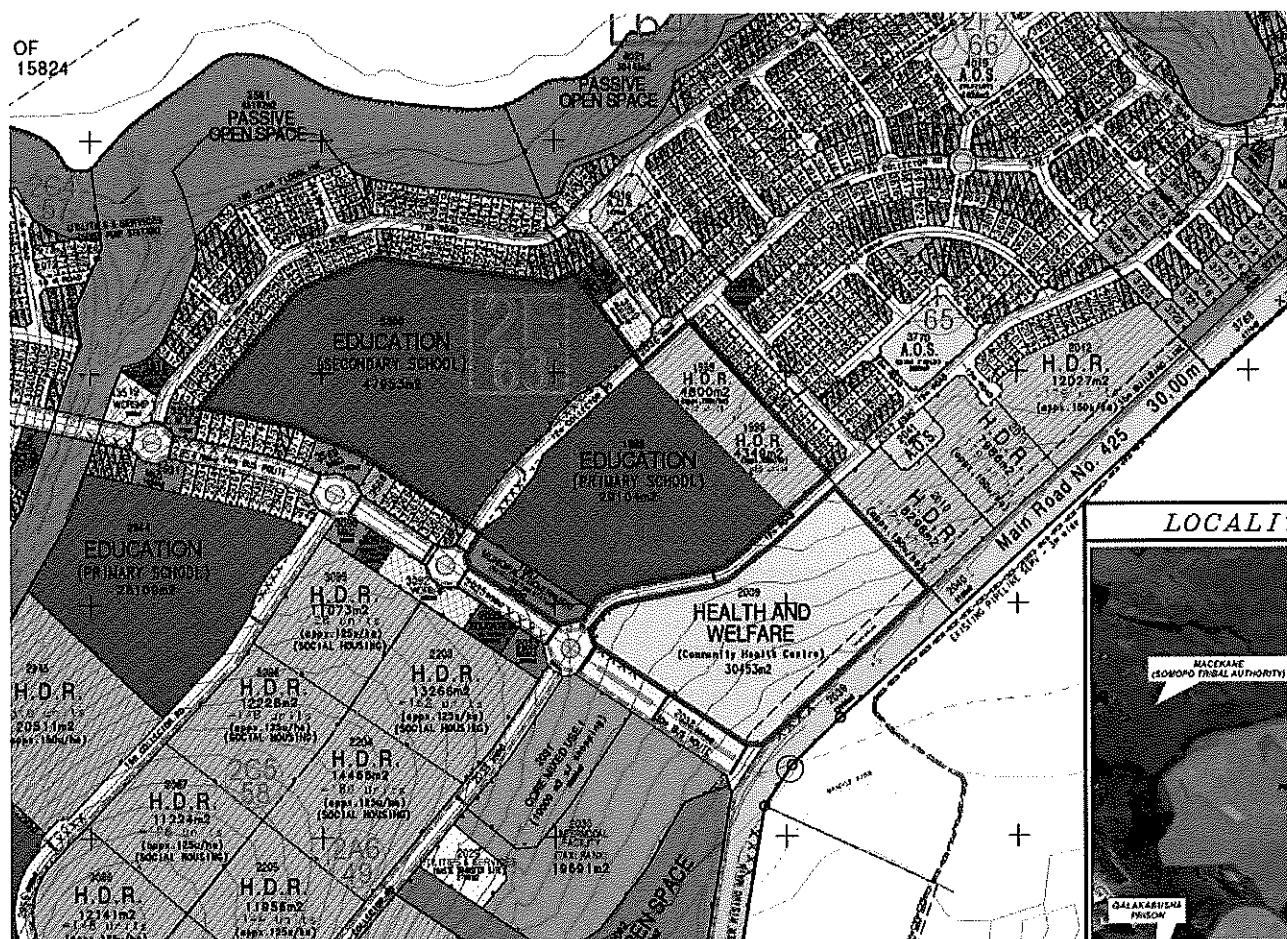


Figure 5: Town planning diagram of EIRDP Ph 2, site identified for the Department

ii. Land Ownership

The identified sites are currently allocated to a variety of use. They are in the process of being acquired by the Provincial Government of Kwa-Zulu Natal.

Table 3: Land Ownership

Ownership	Property Description	Title deed number
provincial government	Erf 2009 (to consolidate as one site)	TBC
provincial government	Erf 1988 (to consolidate as one site)	TBC
provincial government	Erf 3560 (to consolidate as one site)	TBC
municipal services	Erf 1987 (to consolidate as one site)	TBC
municipal services	Erf 1989 (to consolidate as one site)	TBC
municipal services	Erf 1998 (to consolidate as one site)	TBC
municipal services	Road (to consolidate as one site)	TBC

iii. Site Orientation

The site is orientated diagonally to the cardinal points and the design will need to consider orientation in order to ensure the most efficient environmental solution. Orientation is focused on the provincial

and internal ring road. The road frontage should be taken advantage of and can assist navigation to the facility and promote prominence. This will need to be considered in parallel to the disadvantages, such as noise coming from the road edges.

iv. Land Extent

Property Description	Extent (m2)
Erf 2009 (to consolidate as one site)	30 453
Erf 1988 (to consolidate as one site)	29 104
Erf 3560 (to consolidate as one site)	47 953
Erf 1987 (to consolidate as one site)	3 033
Erf 1989 (to consolidate as one site)	4 800
Erf 1998 (to consolidate as one site)	4 349
Road (to consolidate as one site)	12m wide

v. Planning Restrictions

The site will be zoned "Health and Welfare" with the following planning restrictions:

Floor Area Ratio	Coverage	Height
3.0	75%	Unrestricted

The street building line is 7.5m, the side is 4.5m or 1.5m per storey.

vi. The Conditions of the Site

The site is a greenfield site and has been farmed under sugarcane. It is relatively flat and has no other visible features.

vii. EIA Study – Environmental Impact Study

An Environmental Authorisation exists for the entire development, however this may have expired or may need amendments. An environmental screening assessment has been completed as part of the Business Case engineering studies and all applicable activities have been listed. Should any of these activities be triggered, then it is assumed that an EIA will be required. From the screening, there are no specific watercourse, heritage, conservation etc. concerns on the site.

viii. Geo-Technical Information

A geotechnical study has been prepared by Drennan Maud (Pty) LTD for the Proposed Empangeni Integrated Residential Housing Project Phase 2, the following is highlighted:

- **Fills:** *"Any fill embankments constructed on this site should assume an outer slope batter of 1:2 (26°) to ensure the long-term stability thereof".*
- **Fills:** *"All new fills should be constructed using a suitable material (G10 or better)".*
- **Site Drainage:** *"Soak pits should not be used for stormwater or effluent disposal as the clayey subsoils are insufficiently permeable for this purpose".*

- **Site Drainage:** *"stormwater from all roofed and paved areas will need to be collected in gutters and surface drains to be discharged into the stormwater system ultimately approved for the proposed development. There would be a very merit in providing a structural apron around the new dwellings".*
- **Earthworks:** *"due to poor on-site materials it should be sought to level platforms by cutting and spoiling the prevailing clay soils".*
- *"Heavy loaded structures or structures that cannot be articulated to accommodate some differential movement may require piled foundations".*

ix. SPLUMA Application

The EIRDP Phase 2 development will be registered by the uMhlathuze Municipality. This process will include SPLUMA authorisation.

x. Bulk Services

Bulk services will be implemented by uMhlathuze Municipality. The Department intends to be involved in the EIRDP steering committee meetings chaired by Department of Human Settlements in order to have the opportunity to inform the capacity determination and design of the bulk services. The tertiary hospital requirements have been calculated and are documented in the Business Case engineering studies.

xi. Traffic Impact Study

A desktop rapid traffic assessment has been completed as part of the Business Case engineering studies. The following are conclusions and recommendations from this traffic study.

- Existing traffic conditions:
 - The link capacity of the P425 (western bypass) is acceptable. Traffic travels at slower speeds than expected. Traffic calming is provided (speed humps) which reduces the speed and hence the capacity of the road.
 - The P425 is within close proximity to the site and will be affected with the increased traffic from the proposed expansion. Comment will be required from the KZN DoT for as part of the development application.
 - The P230 (R34) is also a provincial road, further away from the site, but will also be affected by the increased traffic from the development proposal. P230 (R34) caters for very high traffic volumes. Some congestion and delays were recorded during the peak hour. Queue lengths were long and delays were noted. Indications are that this intersection may need to be upgraded. A TIA will have to be conducted to confirm if the traffic generated by the proposed hospital can be accommodated on this road.
- The proposed Hospital will generate 825 two way trips in the AM peak hour and 798 two way trips in the PM peak hour. The calculated traffic generated in the peak hour is substantial and a

full TIA will be required to be conducted to determine the impacts of this additional traffic. Indications are that in its current state the P425 (western bypass) will be able to handle this traffic, however there will not be much additional capacity for adjacent planned EIRDP developments. Hence a cost contribution will definitely be required towards the planned future upgrade of the western bypass.

- Total parking bays required = (550 beds x 2) = 1100 bays
- Access control to be via boom. Two entry lanes will be required. One for staff and other for visitors.
- Adequate visitor parking must be provided outside the access to undergo security control before entering so as to not backup onto the main road.
- Pedestrians and Public Transport
 - Sidewalks be provided in the vicinity of the intersections of P425. These sidewalks are to extend up till the Hospital Access.
 - During the site visit public transport activity was observed along the western bypass. The volume of PT vehicles that were observed were very low. However, the development of the proposed Hospital will lead to an increase of PT vehicles.
 - Therefore it is recommended that a Public Transport facility be provided at the access to the site.
 - It must be noted that there is a site adjacent to the proposed Hospital precinct which is earmarked as an intermodal facility. However the implementation of this is dependent on the uptake of the EIRDP precinct. At this stage the uptake is very slow. Therefore the PT facility must be provided within the Hospital.

The following key items are to be noted:

1. P425 (Western Bypass): A 30m expropriated road reserve will apply to this road plus an additional 15m building line from the cadastral boundary. This must be applied to development Site Development Plan.
2. Ingress and egress to the proposed development cannot be directly from P425 (Western bypass) as this is a high order road. Access will therefore be from side road.

xii. Climatic Conditions

Empangeni is classified as having a warm, temperate climate. It can be very hot and humid in summer, with high volumes of precipitation throughout the year. The design of the building will need to be designed appropriately in order that it performs adequately in both environmental control and energy efficiency.

xiii. Aviation, Radio Towers & Other Significant Structures

The site is located opposite the Empangeni Airport, however the airport is no longer in use and uMhlathuze municipality has plans to relocate the service.

There are no other structures of significance.

Design Considerations

The Northern KZN Tertiary hospital has a specific identity; that of a tertiary hospital, public building, within a specific development in Empangeni, planned within a specific time. The design should be inclusive of both the hard and soft issues that this encompasses. The following are not exclusive items to consider.

The high environmental impact of construction and operation of buildings should be mitigated through the design of the facility. The Department strives towards an energy efficient, carbon neutral building. Certification by the Green Building Council of South Africa is desirable. The design decisions need to be made in consideration of operations, so that the most effective outcome is achieved.

The building is within a specific context. The design must give pride and unique identity to people of northern KwaZulu-Natal. It is also within a specific community and although it is a provincial resource, it needs to take cognisance of the community and development in which it is located.

This is a public building and needs to be read as such. Although security and access control is necessary, the building should be inviting and accommodating to those who require the services. An important part of this is navigation. It must be user friendly and easy to navigate both through the legibility of the design and through signage.

Hospitals should promote healing and well-being, through salutogenic design. A large component of this is the inclusion of the natural environment within the building and grounds, but most importantly allowing access to the natural environment by patients. Natural light and views out must be maximised in all patient and clinical areas.

Patient orientated design is essential. This follows from the importance of easy navigation and flow of patients and salutogenesis to the consideration of the range of people using the facility. Patients are often children, elderly, disabled or have impaired mobility or sight. Design needs to consider all types of people entering and using facilities, in waiting areas, ablutions etc. All workflow and hospital processes need to be understood and accommodated. This is both for clinical and support processes, for staff, patients and visitors.

The design needs to be robust. Spaces need to be flexible to maximise the suitability of the hospital. It needs to be durable to handle the continuous, large volumes of people and equipment that move through the space daily. Materials, components and systems need to be user friendly and

maintenance friendly. This also entails choosing items that are locally sourced, locally installed and locally maintained as far as possible. Design decisions must be made based on operability.

The design of the hospital must allow for a phased approach, should a decision be made by the Department to implement a phased construction. This is required, with the view of the current economic outlook and constraints.

The packaging of works should also be explored during the planning of the building. This will allow for various models of procurement and implementation to be available, should the Department find it beneficial.

The planning for the new hospital must in accommodation of the following temporary functions during construction and commissioning. These may be located in structures such as staff accommodation, lodging or support facilities that are independent from the main hospital building:

- i. On-site offices for Department project staff;
- ii. Facilities to present project related material for promotional, training and educational reasons; and
- iii. Related support functions.

Flexibility and adaptability must be considered and the hospital should be planned to be as “future-proof” as possible. Future trends in healthcare must be researched and the design will build in future expansion and adaptability.

The design must at all times be developed in compliance with applicable norms, standards, specifications, processes and procedures.

7.3. PROJECT EXCLUSIONS

- i. This project does not provide on-site residential accommodation on behalf of its partners i.e., UKZN, SANBS, NHLS, etc.
- ii. This project does not provide for “fit out” of NHLS and SANBS facilities.
- iii. All bulk services such as water and sanitation, electricity, stormwater and access roads are to be provided by responsible authorities and therefore not budgeted for under this project. However backup supply and alternative solution form part of this project.
- iv. This project excludes Operations and Maintenance activities. They have not been budgeted for under this project.

7.4. ASSUMPTIONS

The following high-level assumptions were identified with stakeholders:

- i. Empangeni is the appropriate location for the provision of new tertiary services as there is an existing T1 service (limited) with clinical specialists.

- ii. By the time the hospital opens, a pool of specialist skills will be available in the market;
- iii. The Department will strengthen its attraction and retention strategy to ensure sustainable staffing of the new hospital;
- iv. Migration of staff to the new hospital will not disrupt services at Ngwelezana and Queen Nandi hospitals;
- v. A transitioning plan will be timeously developed for Ngwelezana and Queen Nandi hospitals to transfer existing T1 services and build capacity for efficient district and regional services;
- vi. Operational budget will be made available to fully operationalise the new hospital without disrupting funding in Ngwelezana and Queen Nandi hospitals;
- vii. Detailed demand modelling exercise will be done to allow a forecast to be made for future health care requirements;
- viii. Natural disasters will not derail the project;
- ix. Change in political leadership will not have a negative effect on the project;
- x. Bulk services will be developed in alignment with implementation plan of the project;
- xi. Budget and Cash flow allocation will align with the project schedule; and
- xii. The Department will dedicate human resources to drive the project.

7.5. CONSTRAINTS AND DEPENDENCIES

The following high-level dependencies were identified with the stakeholders:

- i. Development and funding of the business case;
- ii. Acquisition of land for the development;
- iii. Ability to attract suitable staff at commissioning of the services;
- iv. Efficient procurement of services for planning and construction;
- v. Commitment and availability of stakeholders to provide required input in the development and updating of the project documents; and
- i. Ability of the Department to develop ICT to support the business needs.

7.6. MILESTONES & DELIVERABLES

Figure 6 below provides a schedule of milestones and deliverables for the project in line with the Performance Measurement Baseline.

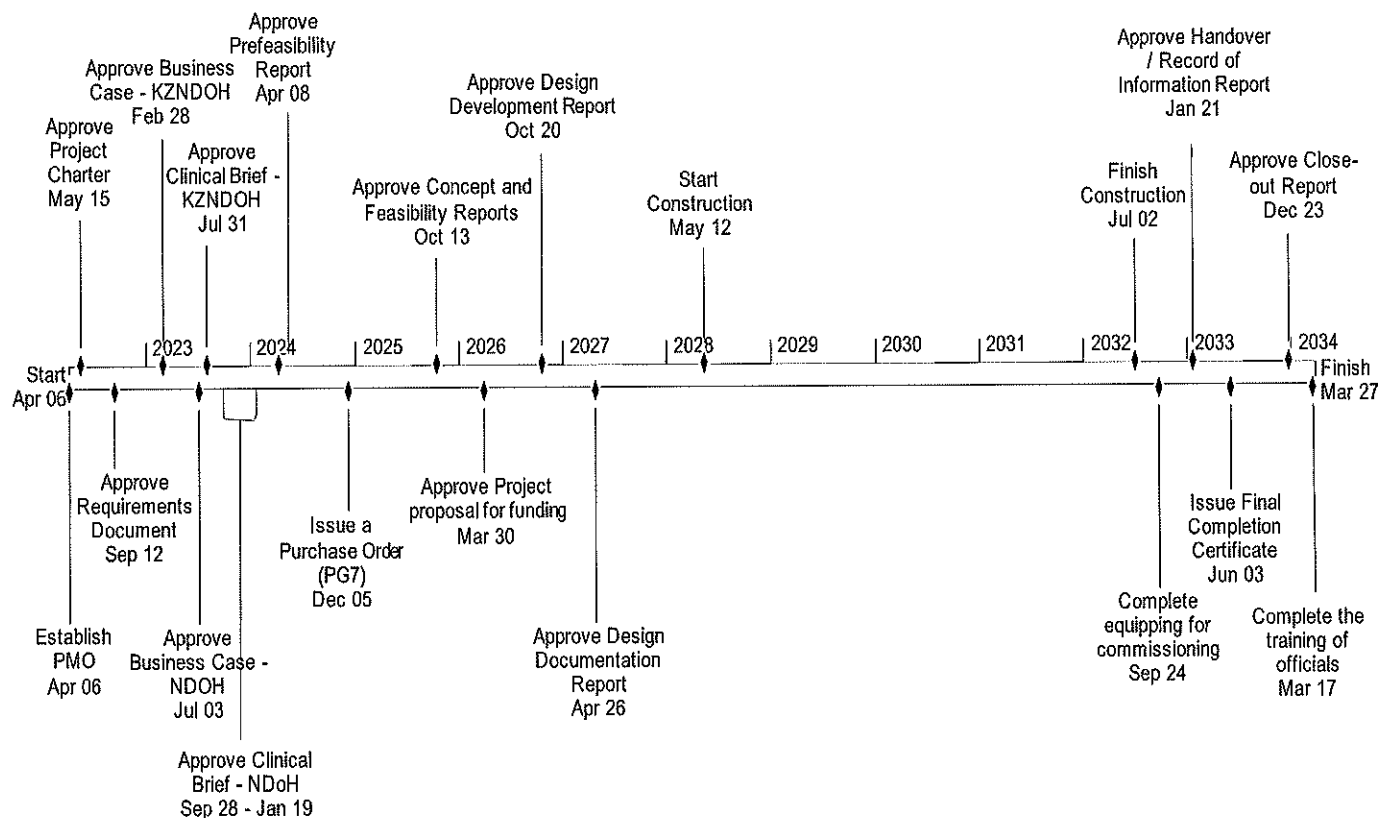


Figure 6: Project milestone timeline

The project deliverables are guided by the Infrastructure Delivery Management System (IDMS) which includes seven (7) stages, as detailed in the Framework for Infrastructure Delivery and Procurement Management (FIDPM) below. A deliverable is reached when the requirements for the stage is satisfied and approval is granted.

Table 4: IDMS Stages

Stage	Name	End of Stage Deliverables
1	Initiation	Prefeasibility Report
		A Prefeasibility Report, is required on mega capital projects to determine whether or not to proceed to the Feasibility Stage, where sufficient information is presented to enable a final decision to be made regarding the implementation of the project.
		Stage 1 for this project is complete when the prefeasibility report has been approved.
2	Concept	Feasibility Report
		A Feasibility Report shall, as a minimum, provide the following information:
		a) Details regarding the preparatory work covering:
		• A needs and demand analysis with output specifications.
		• An options analysis.
		b) A viability evaluation covering:

Stage	Name	End of Stage Deliverables
		<ul style="list-style-type: none"> • A financial analysis. • An economic analysis, if necessary. <p>c) A risk assessment and sensitivity analysis;</p> <p>d) A professional analysis covering:</p> <ul style="list-style-type: none"> • A technology options assessment. • An environmental impact assessment. • A regulatory due diligence. <p>e) An implementation readiness assessment covering:</p> <ul style="list-style-type: none"> • Institutional capacity. • A procurement plan. <p>Stage 2 for this project is complete when the Feasibility Report is complete and approved.</p>
3	Design Development	<p>Design Development Report</p> <p>The Design Development Report shall as necessary:</p> <p>a) Develop in detail the approved concept to finalise the design and definition criteria.</p> <p>b) Establish the detailed form, character, function and costings.</p> <p>c) Define all components in terms of overall size, typical detail, performance and outline specification.</p> <p>d) Describe how infrastructure or elements or components thereof are to function, how they are to be safely constructed, how they are to be maintained and how they are to be commissioned.</p> <p>e) Confirm that the project scope can be completed within the budget or propose a revision to the budget.</p> <p>Stage 3 for this project is complete when the Design Development Report is approved.</p>
4	Design Documentation	<p>Design Documentation</p> <p>Design documentation provides the:</p> <p>a) production information that details, performance definition, specification, sizing and positioning of all systems and components that would enable construction;</p> <p>b) manufacture, fabrication and construction information for specific components of the work informed by the production information.</p> <p>Stage 4 for this project, is complete when the Design Documentation Report is approved.</p>
5	Works	<p>Completed Works capable of being used or occupied</p> <p>The following is required for completion of the Works Stage:</p> <p>a) Completion of the works is certified in accordance with the provisions of the contract; or</p> <p>b) The goods and associated services are certified as being delivered in accordance with the provisions of the contract.</p> <p>Stage 5 is complete when the Works Completion Report is approved.</p>
6	Handover	<p>Works which have been taken over by user or owner; completed training; Record Information</p> <p>The following activities shall be undertaken during the handover stage:</p> <p>a) Finalise and assemble record information which accurately reflects the infrastructure that is acquired, rehabilitated, refurbished or maintained;</p> <p>b) Hand over the works and record information to the user organisation and if necessary, train end user staff in the operation of the works.</p> <p>Stage 6 is complete when the Handover/Record Information Report (utilising the prescribed HIAC Stage 6 report) is approved.</p>
7	Close-Out	Defects Certificate or Certificate of Final Completion; Final Account; Close-Out Report

Stage	Name	End of Stage Deliverables
		<p>The Close-Out Stage commences when the end user accepts liability for the works. It is complete when:</p> <p>a) Record information is archived;</p> <p>b) Defects certificates and certificates of final completion are issued in terms of the contract;</p> <p>c) Final amount due to the contractor is certified, in terms of the contract;</p> <p>d) Close-Out Report is prepared by the Implementer and approved by the Client Department.</p> <p>Stage 7 is complete when the Close-out Report is approved.</p>

7.7. PROJECT GOVERNANCE

The Project Governance framework was approved by the Programme Steering Committee on 29 September 2022. This framework is attached as Annexure F. The framework provides roles and responsibilities associated with project governance. Below is a diagram showing the project governance structure.

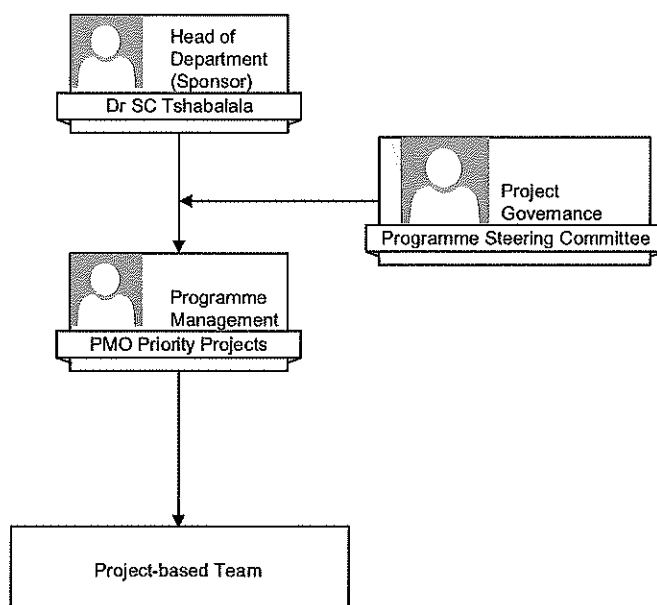


Figure 7: Project governance structure

Furthermore, the attached subsidiary plans provide responsibilities associated with each subsidiary plan.

7.8. RESOURCE REQUIREMENTS

At this stage of the project the resources are provided through the Project Management Office who will be the proxy project management team. Upon implementation of the design, resource capacity will be reassessed according to the funding and implementation model of the project and a project management team will be appointed in line with this model. Below describes the resource structure.

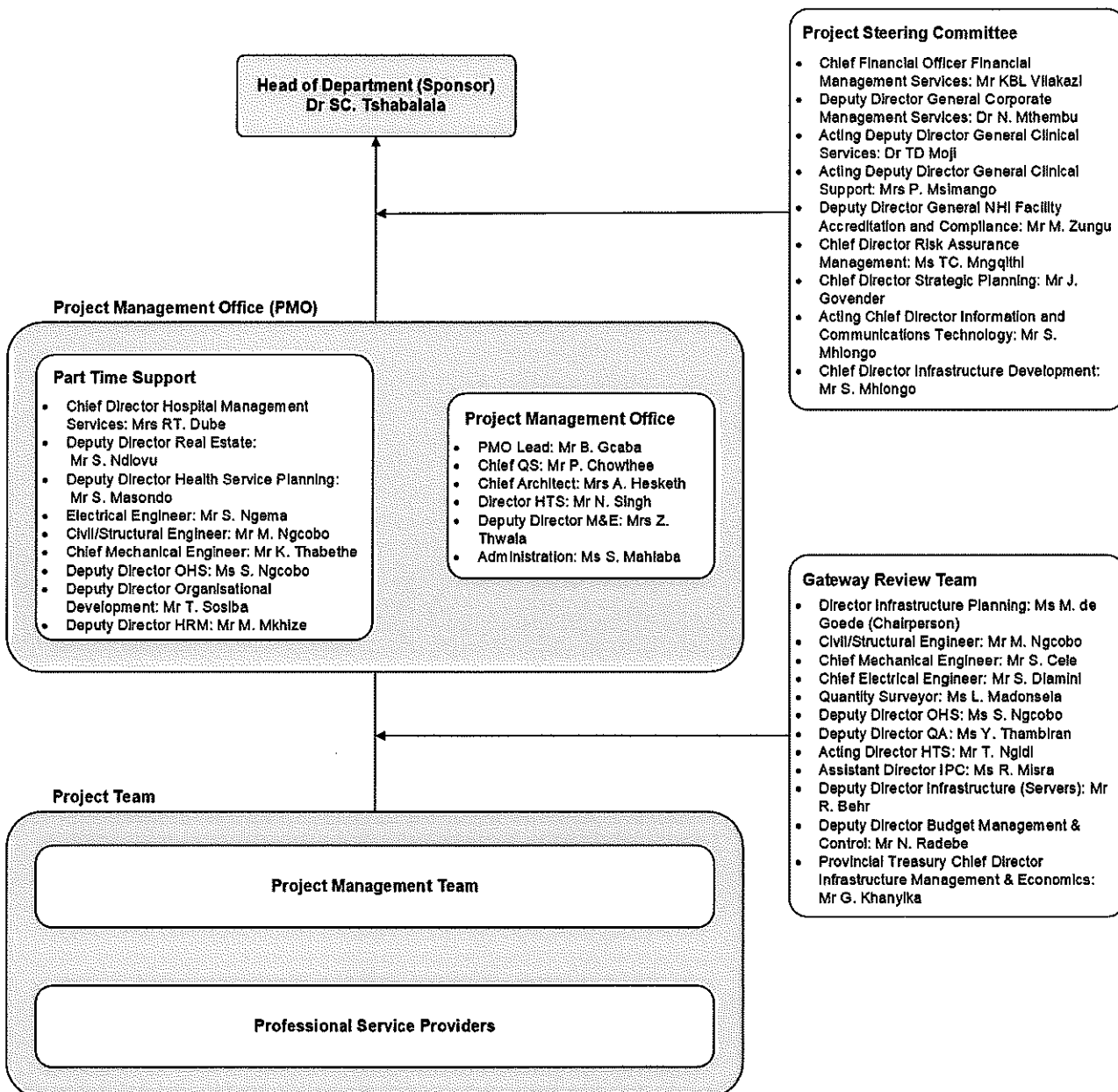


Figure 8: Current project human resource structure

8. WORK BREAKDOWN STRUCTURE (WBS)

The three levels of the WBS are shown in the figure below. Only the main deliverables which are easily assigned to a cost structure are provided at this time of the project development stage. The baseline cost shown in the WBS represents the estimated nominal expenditure of the project. The estimated cost includes project contingency, but does not provide for the Cost Price Adjustment (CPA). This is mainly to comply with the budgeting guidelines where nominal cost is used instead of real cost.

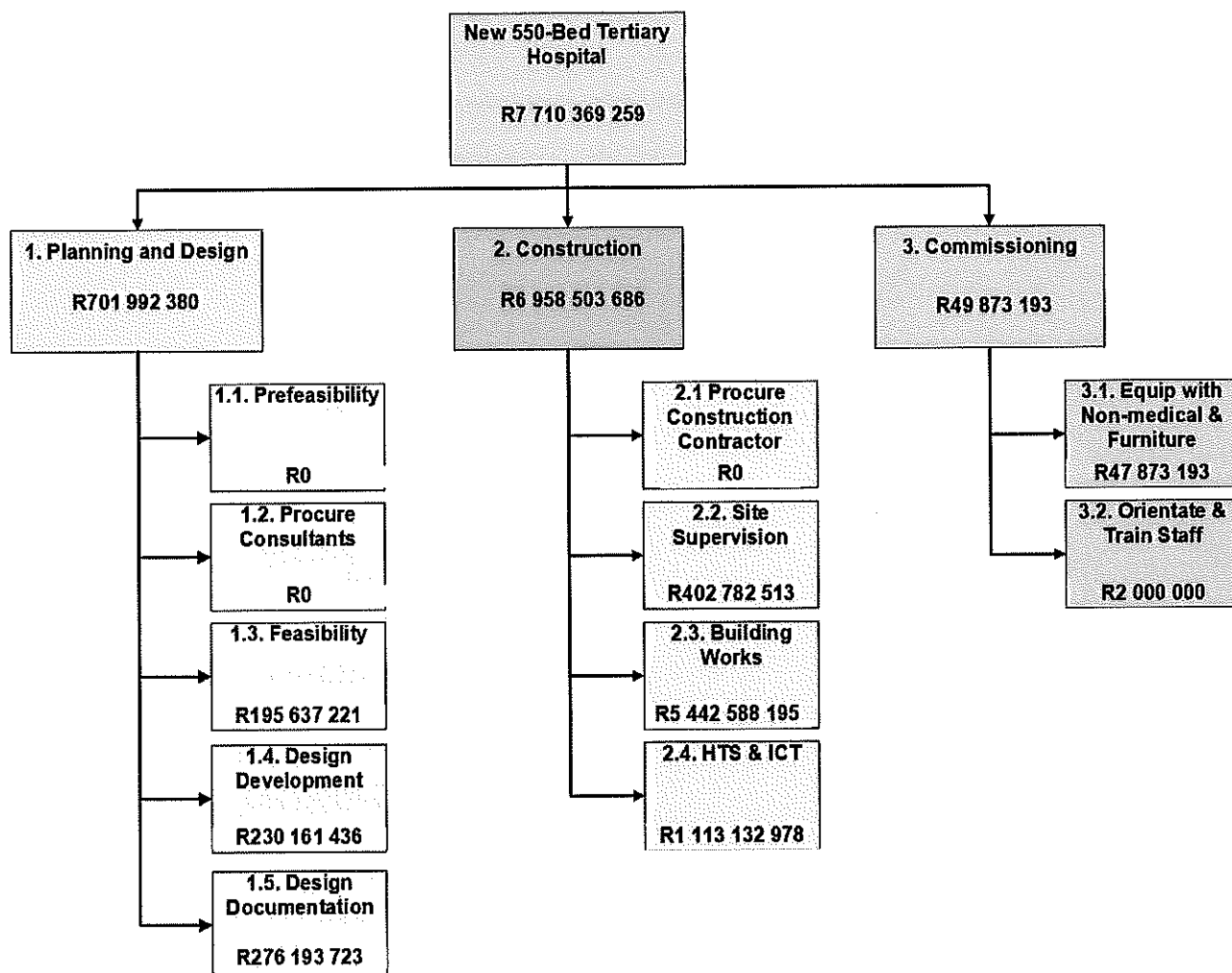
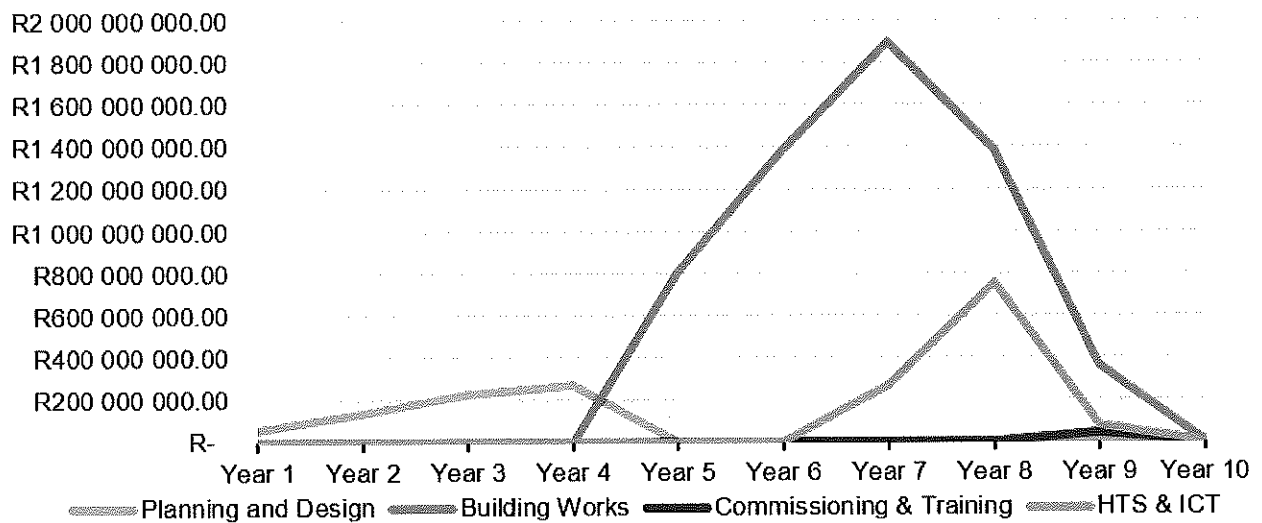
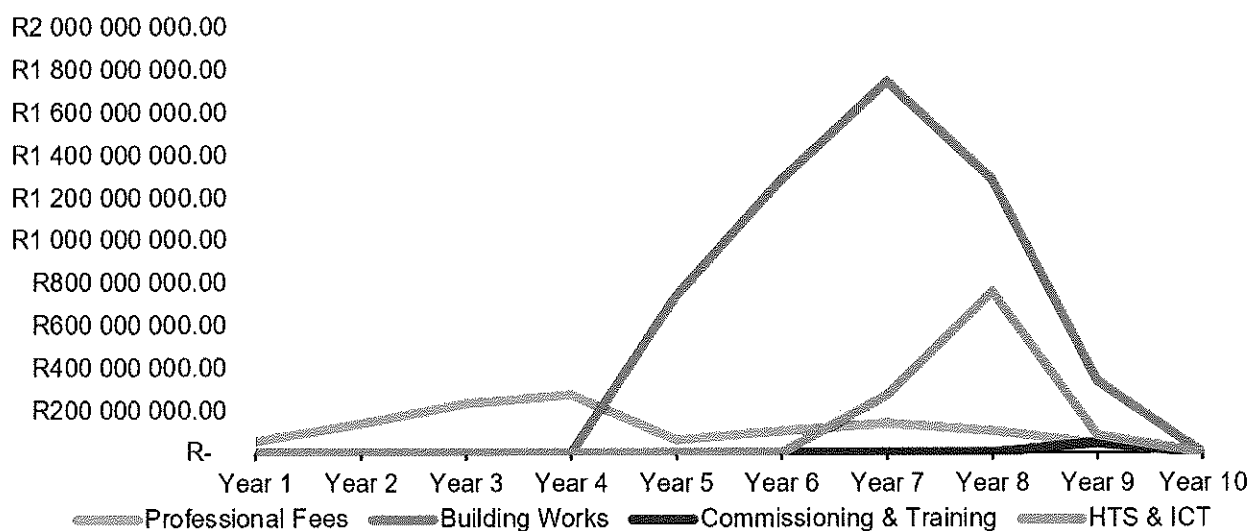


Figure 9: Project Work Breakdown Structure



	Planning and Design	Building Works	Commissioning & Training	HTS & ICT	TOTAL
Year 1 (FY24/25)	R 57 540 359.00	R -	R -	R -	R 57 540 359.00
Year 2 (FY25/26)	R 138 096 862.00	R -	R -	R -	R 138 096 862.00
Year 3 (FY26/27)	R 230 161 436.00	R -	R -	R -	R 230 161 436.00
Year 4 (FY27/28)	R 276 193 723.00	R -	R -	R -	R 276 193 723.00
Year 5 (FY28/29)	R -	R 808 248 790.00	R -	R -	R 808 248 790.00
Year 6 (FY29/30)	R -	R 1 385 569 350.00	R -	R -	R 1 385 569 350.00
Year 7 (FY30/31)	R -	R 1 897 941 360.00	R -	R 272 099 170.00	R 2 170 040 530.00
Year 8 (FY31/32)	R -	R 1 385 569 350.00	R -	R 759 288 100.00	R 2 144 857 450.00
Year 9 (FY32/33)	R -	R 368 041 860.00	R 48 373 193.00	R 81 745 708.00	R 498 160 761.00
Year 10 (FY33/34)	R -	R -	R 1 500 000.00	R -	R 1 500 000.00
TOTAL	R 701 992 380.00	R 5 845 370 710.00	R 49 873 193.00	R 1 113 132 978.00	R 7 710 369 261.00

Figure 10: Projected project cashflow in line with the WBS



	Professional Fees	Building Works	Commissioning & Training	HTS & ICT	TOTAL
Year 1 (FY24/25)	R 57 540 359	R -	R -	R -	R 57 540 359
Year 2 (FY25/26)	R 138 096 862	R -	R -	R -	R 138 096 862
Year 3 (FY26/27)	R 230 161 436	R -	R -	R -	R 230 161 436
Year 4 (FY27/28)	R 276 193 723	R -	R -	R -	R 276 193 723
Year 5 (FY28/29)	R 59 435 629	R 743 302 660	R -	R -	R 802 738 289
Year 6 (FY29/30)	R 101 889 647	R 1 284 675 580	R -	R -	R 1 386 565 227
Year 7 (FY30/31)	R 139 567 590	R 1 745 433 910	R -	R 272 099 170	R 2 157 100 670
Year 8 (FY31/32)	R 101 889 647	R 1 284 675 580	R -	R 759 288 100	R 2 145 853 327
Year 9 (FY32/33)	R 46 032 287	R 338 468 178	R 48 373 193	R 81 745 708	R 514 619 366
Year 10 (FY33/34)	R -	R -	R 1 500 000	R -	R 1 500 000
TOTAL	R 1 150 807 180	R 5 396 555 908	R 49 873 193	R 1 113 132 978	R 7 710 369 259

Figure 11: Projected project cashflow showing professional fees separated from building works

9. WBS DICTIONARY

The Project WBS Dictionary is integrated into the detailed project schedule attached as Annexure J2.

10. SCHEDULE BASELINE

A Schedule Baseline providing a timeline for this project was prepared and is attached as Annexure H. The attached Schedule Baseline provides detailed activities during the planning and procurement stages. However detailed activities under other deliverables, will be developed by the appointed Professional Service Providers, contractors and suppliers after their appointment. Below is a rolled-up summary of the Schedule Baseline.

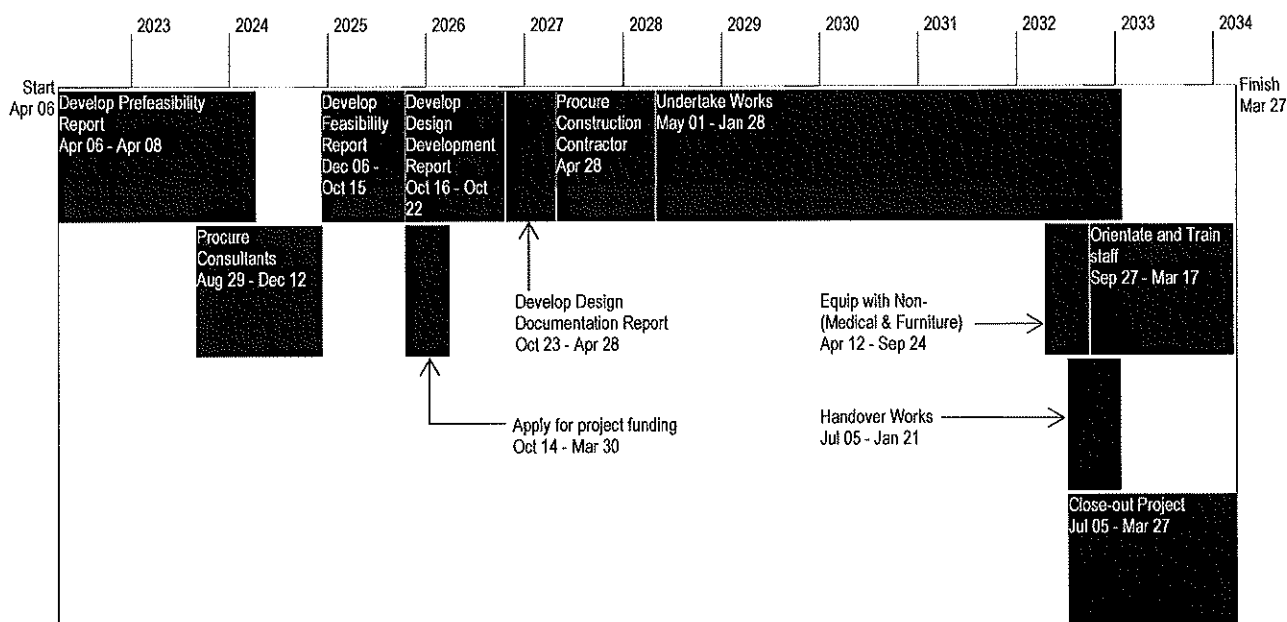


Figure 12: Project schedule baseline

11. PERFORMANCE MEASUREMENT BASELINE (PMB)

Performance Measurement Baseline information is provided and mapped on the S-Curve below. The PMB provides a combined baseline information on three project constraints, i.e., Project Scope, Project Cost and Project Schedule. The baseline dates are provided on the detailed Project Schedule.

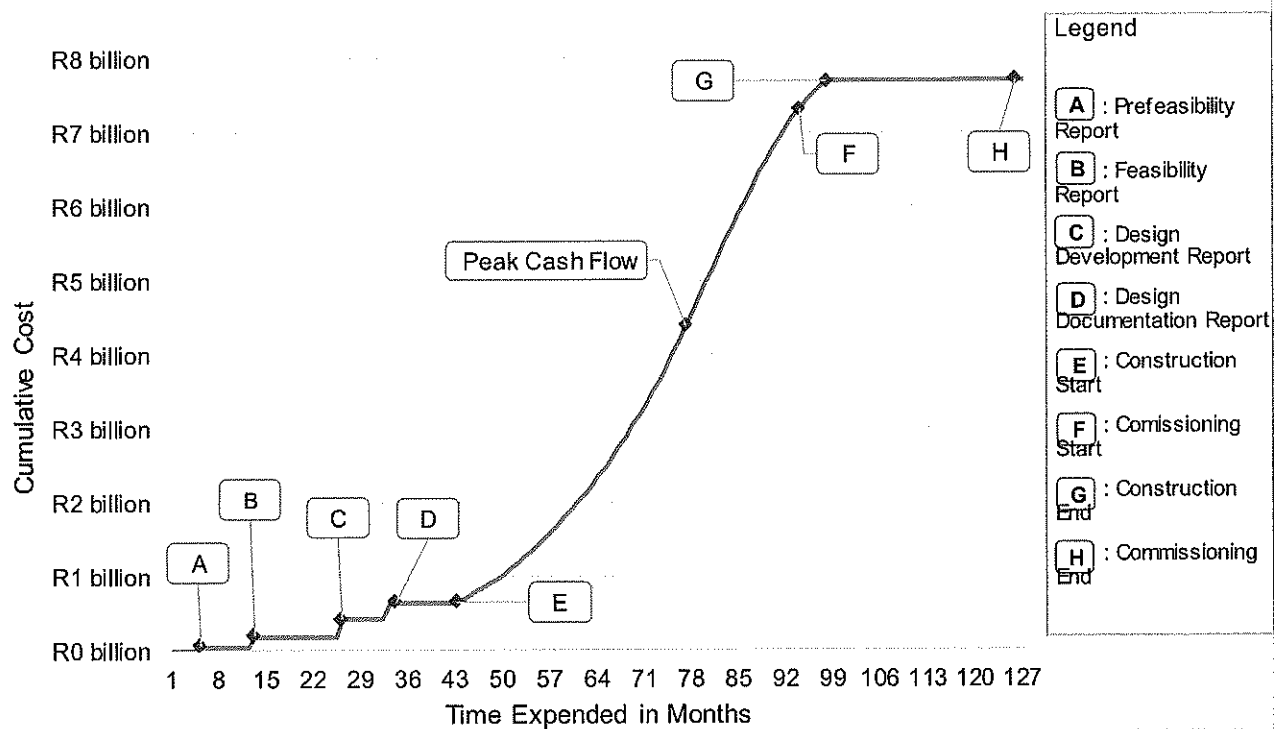


Table 5: Performance Measurement Baseline

The Earned Value Management (EVM) model sometimes known as Earned Value Analysis (EVA) will be used to analyse the project performance against the PMB on an ongoing basis. The type of analysis to be performed against the PMB is shown on Figure 13: Earned Value Analysis (PMI. 2017) below.

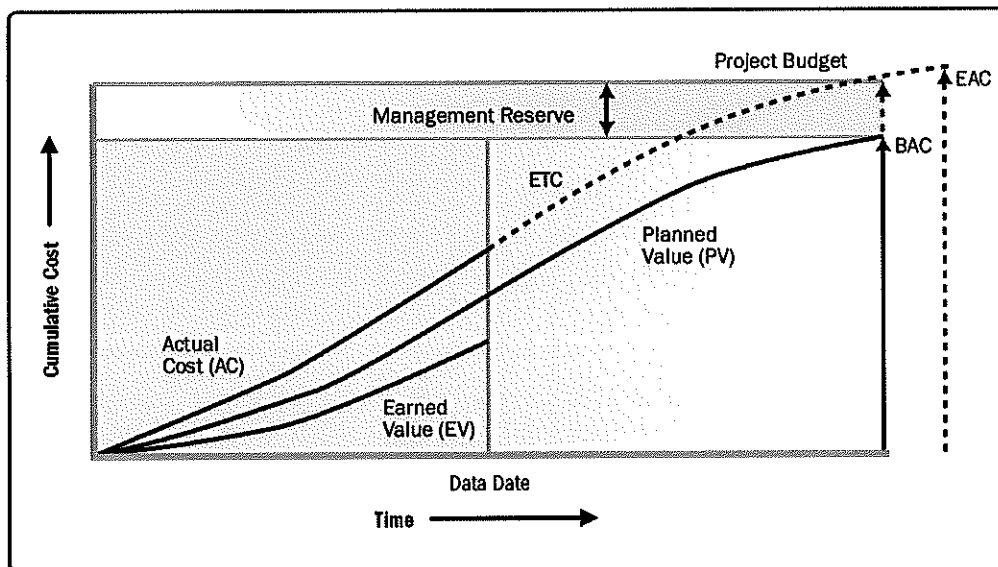


Figure 13: Earned Value Analysis (PMI. 2017)

As alluded earlier on, the Budget at Completion (BAC) will include CPAP and contingency over and above the estimated project cost of R7.7 billion at nominal cost. The Management Reserve will make provision for Estimate at Completion (EAT).

12. PROJECT LIFECYCLE DESCRIPTION

The lifecycle of the proposed infrastructure asset with its corresponding lifecycle cost is outlined in the attached business case. In that scenario, most funding goes to the Maintenance and Operations activities. However, the lifecycle of this project in terms of the IDMS and the Infrastructure Planning and Appraisal Guideline (2022) only involves planning, design and construction and excludes Maintenance and Operations activities. The lifecycle for this megaproject comprises the following seven stages.

- i. **Stage 1 Initiation Stage:** End of stage deliverable is a Prefeasibility Report.
- ii. **Stage 2 Concept Stage:** End of stage deliverable is a Prefeasibility Report.
- iii. **Stage 3 Design Development Stage:** End of stage deliverable is a Design Development Report.
- iv. **Stage 4 Design Documentation Stage:** End of stage deliverable is a Design Documentation Report.
- v. **Stage 5 Works:** End of stage deliverable is Completed Works capable of being used or occupied.
- vi. **Stage 6 Handover:** End of stage deliverable is Works taken over by user/owner: Record Information.
- vii. **Stage 7 Close-out:** End of stage deliverable is Close-out Report.

This project is implemented using a Design by Employer procurement strategy. For this reason, the tender process for the Professional Service Providers (Consultants) will be carried out after the approval of Stage 1. From Stage 2 onwards, the professional consultants will be involved with the process for delivering end of stage deliverables.

The Tender process for the construction contractor will take place after approval of Stage 4. The contractor will then be involved with Stages 5, 6 and 7. Operations and maintenance will be undertaken by the End-user after completion of Stage 6. It must be noted that should the Department choose to implement the project in phases, the contractor will handover Works in phases and the End-user will operate and maintain the facility in phases as well.

13. DEVELOPMENT APPROACH

This project is classified as a megaproject. According to the National Treasury's Infrastructure Planning and Appraisal Guideline (2022), a megaproject is a project that involves "*a unique set of processes consisting of coordinated and controlled activities aimed towards the construction or acquiring of new immovable or movable assets, or an upgrade of existing infrastructure*". Such projects have special requirements for planning which are outlined in the Guideline and the FIDPM. The project is made up of the following components:

- i. **Buildings and Fixed Structures** will be implemented using a Predictive/Waterfall Lifecycle Approach

- ii. **Machinery and Equipment** will be implemented using an Agile Lifecycle Approach mainly due to the high rate of technological change that is anticipated between the planning and construction and installation stages. Machinery and equipment include mainly medical equipment, ICT and furniture.
- iii. **Commissioning** will follow an incremental lifecycle approach.

This report presents an FIDPM Stage 1 deliverable, Prefeasibility Report. This first stage is involved several desktop and site investigations that informed a recommendation for a project to proceed to FIDPM Stage 2: Prefeasibility Stage. The project has three distinct development areas going forward. These are:

- i. **Feasibility Stage:** The end of Feasibility Stage will confirm whether or not, the project proceeds to design and construction stages. Should the project be found not feasible, further work on this project will be discontinued. The project will only proceed forward on approval of the Feasibility Report.
- ii. **Design Documentation Stage:** Approval of the Feasibility Report will allow the project to proceed to Design Development and Design Documentation stages. Once these two stages are complete and approved, the project will be regarded as “shovel ready”. During the financial year in which Design Documentation will be complete, the Department will apply for an external funding from the Budget Facility for Infrastructure (BFI) as per the Guideline on Budget Submissions for Large Strategic Infrastructure Proposals.
- iii. **Tender and Construction Stages.** These stages will only commence in line with the funding approval, the approved amount and the approved cashflow aligned with the scope and timeframe of the delivery of the project.
- iv. **Commissioning Stage.** Commissioning refers to the process of handing over the completed works to be used by the end user. Due to the size of the hospital, is assumed to begin a year before the end of construction.

Budget associated with the current report and the next deliverables are funded according to sources of funding below:

- i. **Prefeasibility Report:** All work performed in-house through the Project Management Office except the Engineering Analysis funded by the KZN Provincial Treasury.
- ii. **Feasibility Report:** To be funded through the Health Facility Revitalisation Grant (HFRG).
- iii. **Design Development and Documentation Reports:** To be funded through HFRG.
- iv. **Construction:** Budget Facility for Infrastructure (BFI) or any other approved external funding. Co-funding with HFRG may be required.
- v. **Commissioning:** Budget Facility for Infrastructure (BFI) or any other approved external funding. Co-funding with HFRG may be required.

14. PROJECT PROCUREMENT

Construction procurement in the public sector is governed by the Construction Industry Development Board (CIDB) prescripts whilst the National Treasury Regulations apply to all other procuring environments. The CIDB prescripts are aligned with the South African Constitution, PFMA, National Treasury Regulations and other legislative and regulatory frameworks for procurement in the public sector.

In selecting a procurement strategy for the project the following options were considered as allowed for by the CIDB Standard for Uniformity:

- Design by Employer
- Design and Build
- Develop and Construct
- Management Contractor / Construction Management

It was established that the Department's key requirements were to establish a quality product that adequately met the needs of its users whilst providing value for money with a moderate risk appetite level. Given the aforementioned requirements a Design by Employer procurement strategy has been selected with a fixed price Bill of Quantities pricing strategy for the project. This procurement strategy allows for a detailed design, that incorporates extensive stakeholder engagement, to be compiled thereby meeting the expectations of its end users. Furthermore this approach allows for the project to obtain value for money through a competitive open tender process based on a complete design. The adopted procurement strategy has been widely utilised within the Department and therefore negates the need for additional extensive training for Departmental personnel.

The design, costing and implementation of this complex mega project requires the appointment of external professional consultants as the Department does not possess the required and suitably skilled resources to perform the task in-house. The procurement strategy options for the appointment of consultants that were considered are:

- Consortium appointment – all professional disciplines form a consortium and tender as a single team
- Individual appointments – all professional disciplines are tendered separately by the Department
- Hybrid approach – this entails grouping identified disciplines together and then tendering them as smaller teams

From research conducted and lessons learned by the Department through this implementation of projects utilising both the consortium and individual approaches, various advantages and disadvantages were identified. A consortium approach was favoured due to the less onerous procurement processes however lessons learned have revealed that this approach poses a significant risk to performance and members of the consortium often lack accountability. The individual approach was favoured for allowing the Department to select the best resources for each discipline and being able to hold each individual firm accountable, however the procurement

processes appear too onerous and pose significant risk to achieving project milestones. For these reasons the hybrid approach was selected as this approach mitigates some of the major risks aligned with each of the other approaches while still allowing the Department to benefit from some of the advantages of each. The grouping of professional disciplines in the hybrid approach shall be as follows:

- Project Manager, Quantity Surveyor and Health and Safety
- Architect, Civil Engineer and Structural Engineer
- Electrical Engineer and Mechanical Engineer

The contract utilised for the appointment of consultants shall be the CIDB Professional Services Contract. This contract has been extensively utilised successfully by both the Department and the public sector and is therefore both familiar to the Department and the construction industry.

The Design by Employer procurement strategy with a fixed price BOQ pricing strategy enabled the following construction contracts to be considered as endorsed by the CIDB:

- GCC
- JBCC
- NEC
- FIDIC

The GCC and JBCC are local construction contracts produced by South African organisations while the NEC and FIDIC contracts are produced by foreign organisations. The GCC is an engineering focused contract and is therefore recommended for engineering works projects whilst the other mentioned contracts are suited to building works projects (the NEC and FIDIC contracts are also recommended on engineering projects). The JBCC was identified as the most suitable choice given its wide use in the local construction industry, it is well supported by the organisation that produces it and it is well understood by Departmental officials and was successfully utilised by the Department on a previous mega project. Utilising NEC and FIDIC contracts would require extensive training and support to be provided to Departmental officials both for the compiling of project documentation as well as for contract administration.

The Department recognises the need to promote women and youth in the construction industry and is therefore aiming for the project to incorporate the inclusion of these individuals. This shall be achieved through the awarding of points in the functionality criteria for a minimum percentage of women forming part of each professional consulting team. A minimum of 30% female representation shall be required to earn points while 50% female representation shall result in maximum points being obtained.

Similarly, to promote the incorporation of youth on the project, each consultant tendering entity shall be required to submit a proposal detailing their plan and commitment to appointing a specified

minimum number of qualified youth that reside in the area or identified adjacent areas. Points shall be awarded based on the submission meeting the stated criteria.

15. COMMISSIONING

The purpose of commissioning a health facility is to ensure that construction work is completed according to the approved drawings and specifications, that equipment is in place and all departments are operationally ready such that the buildings can function fully upon occupation by the end user.

According to the IUSS Commissioning document, a commissioned building is one that is deemed ready for service, i.e. the building may become fully operational for its intended purpose.

Project commissioning is the process of assuring that all systems and components of a building are:

- i. Designed
- ii. Installed
- iii. Tested
- iv. Operated, and
- v. Maintained, according to the operational requirements of the owner.

This process must involve all disciplines and must include systems validation and verification through inspecting and testing every operational component of the building project from the individual functions, such as instruments and equipment – including complex, systems and sub-systems. The process oversees:



This process is to prepare the facility management and assist them to develop systems to operate the facility once construction is complete. Commissioning systems include:

- i. Fixed Equipment
- ii. Loose Equipment and Furniture
- iii. Human Resource / Staffing
- iv. Consumables
- v. Facilities Management, which includes:
- vi. Hospital Governance and the delegation of Authority
- vii. Legal requirements and licensing
- viii. Hospital Financial Management
- ix. Organisational Development Strategy
- x. Hospital Information Management
- xi. Hospital Information Technology
- xii. Patient Administration

- xiii. Communication Strategy
- xiv. Maintenance, guarantees and contracts

The items allowed for in the commissioning budget are as follows:

- i. Linen and curtains or other window dressing,
- ii. Cleaning utensils such as brooms, brushes and mops, and
- iii. Catering utensils like cutlery and crockery.

Items not allowed for in the commissioning budget are:

- i. Consumables or stock that would be required to open the hospital e.g. accessories, clinical stock, stationary and other consumables that are not of a clinical nature, and
- ii. Other consumables like medical gas and diesel for standby generator etc.

16. OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENTAL

According to construction regulations, this project will require the Department to apply for a construction work permit from the Department of Employment and Labour. The Department will also appoint a Health & Safety Agent to act as its representative to carry out duties imposed to the Department as a client under the Occupational Health and Safety Act 85 of 1993. The Appointed Agent must meet the following minimum requirements and be registered and in good standing with SACPCMP, be in possession of professional indemnity insurance and have 3 years' experience as a Health & Safety Agent.

Occupational health and safety risks will be identified at various stages of the project. Once the contractor has taken over the site, occupational and health risks including incidents will be managed in accordance with the Occupational Health and Safety Act 85 of 1993 and its regulations.

It is necessary to comply with the National Department of Health Environmental Management Plan (forth addition 2020-2025) as well as uMhlathuze requirements as guided by the Department of Economic Development, Tourism and Environmental Affairs (EDTEA), this will form the baseline. A project specific environmental management plan will need to be developed.

17. SUBSIDIARY PLANS

Twelve subsidiary plans have been developed and attached as Annexures. These subsidiary plans provide detailed information on how various knowledge areas of the project will be managed. The management plans that support the project management plan which starts at the Initiation Stage right to the Close-out Stage are as follows:

- iii. **Scope** Management Plan
- iv. **Schedule** Management Plan
- v. **Cost** Management Plan
- vi. **Requirements** Management Plan

- vii. **Quality** Management Plan
- viii. **Stakeholder** Engagement Plan
- ix. **Communications** Management Plan
- x. **Risk** Management Plan
- xi. **Change** Management Plan
- xii. **Procurement** Management Plan
- xiii. **Configuration** Management Plan
- xiv. **Resource** Management Plan

These plans will be reviewed individually without necessarily reviewing the whole project management plan. Each of the plans has its independent version control.

18. PROJECT INTEGRATION MANAGEMENT

Project integration in such a complex project with complex processes is critical for the success of the project. Stakeholder engagement and effective communication throughout the project processes is crucial for the success of the project. Although the Project Manager is appointed by the Department at Client level and Professional Service Provider level, high impact leadership is required at each team level. It will be critical that all teams are energised, understand the vision and strategic objectives of the project and stay focussed at all times.

The digital platforms are proposed to strengthen the project integration by creating line of sight across stakeholders or project teams that require to work together to deliver a specific output or deliverable. The following platforms shall be used in this project.

Building Information Modelling (BIM): The Client and all Professional Service Providers (design consultants, site supervision consultants, main contractor and major services subcontractors) must have access to this software to fully participate in the planning, design and construction of the facility. The client will also utilise BIM after project completion to manage the facility and future projects and maintenance actions. The latest model or version of BIM must be adopted at the start of the Stage 2 process.

Project scheduling software: The use of MS Project Professional is a requirement for this project. Like BIM above, project team members must provide all their work schedules and construction programmes in an MS Project Professional format. This will make it easier for affected parties to analyse data and manipulate it for their own requirements. Version control will be implemented and managed to ensure that all parties are always working from same set of drawings.

Project Information Management System (PMIS): All project team members who belong to the client must have access to the PMIS of the Department. The PMIS allows every team member to upload and update information and allow other members to see information uploaded or updated.

Task assignment will be done and tracked on the PMIS. The system will provide for interested Steering Committee Members to access project information or reports digitally as well. The PMIS will continue to integrate with the Treasury's Infrastructure Reporting Model (IRM) to allow for Provincial and National Treasury to access monthly progress information.

Autodesk Revit Software: All project documentation must be produced and managed using Autodesk Revit that will be integrated into the BIM. The client requires that all original files (rvt, dwg etc.) are provided as well as pdf copies of the drawings for the purposes of review, presentation to stakeholders and planning purposes.

WinQS Software: Quantity Surveyors and Cost engineers must manage the project costing within the WinQS. The client must also be able to access WinQS information for cost management purposes throughout the project lifecycle.

Any Professional Service Provider, contractor or subcontractor who may be unwilling to share digital files due to intellectual property rights, e.g., methodology, philosophy, etc, must indicate such requirement at the time of tendering and provide an alternative but acceptable form of sharing digital information and integrating with the rest of the project team including the client.

Regular progress meetings and participation of appropriate stakeholder groups will assist in ensuring that information is disseminated, stakeholders provide their input and are updated of the outcome of each process. This will prevent unnecessary disputes and unnecessary design clashes.

Collaboration Platforms: A collaboration platform appropriate to the needs of the project must be adopted and used throughout the project in order to facilitate communication and collaboration. The Department currently utilises MS Teams, however other platforms such as Zoom etc. may be considered.

19. ANNEXURES

Several documents that form part of this Prefeasibility Report are attached as annexures. The documents and the purpose of each are listed hereunder.

Annexure A: Project Charter

- i. Initiates the planning of a new tertiary hospital in Northern KwaZulu-Natal;
- ii. Provides for a formal appointment of the project manager;
- iii. Provides authority for the project manager to engage with various stakeholders and facilitate the establishment of the relevant project governance committees; and
- iv. Provides authority for the project manager to deploy public resources on the activities of this project.

Annexure B: Requirements Document

The purpose of this Requirements Document is to determine and document the needs, expected outcomes and expectations of the project customer, sponsor and stakeholders. Such needs include the agreed-upon conditions or capabilities of a service that the project is designed to satisfy. The requirements are documented from user stories elicited from individual units or departments responsible for specific clinical tertiary services (T1) and associated support services. The identified requirements in this document will be incorporated in the project scope and reviewed in line with the project governance framework throughout the project lifecycle.

Annexure C: Business Case

The purpose of the document is to present a business case for the development of a new tertiary hospital in northern KwaZulu-Natal. This document presents the justification for a new 550-bed tertiary hospital, various analysis and the proposed implementation model for the project.

Annexure D: Engineering Analysis Report

The purpose of the Engineering Analysis Report is to supplement the Business Case by providing a technical engineering analysis of the various development options in order that recommended solution is informed from a technical point of view.

Annexure E: Socio-Economic Analysis Report

The purpose of the Socio-Economic Analysis Report is to present the analysis conducted to identify the most cost-effective as well as economically viable option to provide tertiary services for the population residing in the north of KwaZulu-Natal.

Annexure F: Project Governance Framework

The purpose of this Project Governance Framework is to outline the governance applicable to this project. Project governance refers to a framework, functions, and processes that guide project management activities to create a unique product, service, or result to meet organisational, strategic, and operational goals (PMI, 2021). As part of the governance structure, the Project Management Office (PMO) will use project governance to manage the project and increase the success of the project.

The components of the project governance are listed hereunder.

- i. Acceptance criteria for the project
- ii. Acceptance criteria for deliverables
- iii. Relationship between the project team, internal and external stakeholders
- iv. Project organisational chart and roles
- v. Project communication processes and procedures
- vi. Project decision-making processes
- vii. Guidelines for aligning project governance and organisational strategy

- viii. Project life cycle approach
- ix. Project stage/phase review processes
- x. Project change approval processes
- xi. Alignment of stakeholders with project process requirements

The above project governance components are discussed individually in this document.

Annexure G: Clinical Brief

The purpose of the Clinical Brief is to provide a detailed documentation of needs, expected outcomes and expectations of the project customer, sponsor and stakeholders. Such needs include the agreed-upon conditions or capabilities of a service that the project is designed to satisfy. They are detailed from the Requirements Documents where the needs and expectations of stakeholders were initially determined. The requirements are documented from user stories elicited from individual units or departments responsible for specific clinical tertiary services (T1) and associated support services. After requirements were determined, they were used to inform the Business Case.

After the approval of the Clinical Brief, the requirements will be used to formulate the technical needs. The identified requirements in this document will be incorporated in the project scope and reviewed in line with the project governance framework throughout the project lifecycle.

Annexure H: Project Schedule Baseline

The purpose of the Project Schedule Baseline is to show the breakdown of the work breakdown structure, the timelines and resource responsibilities. This creates a baseline for performance management purposes.

Annexure J1: Scope Management Plan

The purpose of the Scope Management Plan is to describe how the scope of this project will be defined, monitored, controlled and validated.

Annexure J2: Schedule Management Plan

The purpose of the Schedule Management Plan is to establish the criteria and activities to develop, monitor and control the project schedule. It identifies the scheduling tool and format of the schedule.

Annexure J3: Cost Management Plan

The purpose of the Cost Management Plan is to describe how the Department's internal and appointed external resources, will estimate, report and manage costs relating to the project. It specifies the types of estimates and reports to be produced including the frequency at which they are required. It further specifies how fee and contractor payment claims will be dealt with to ensure payments are made within the specified period and adequate time is allowed for the assessment and verification of claims. The tools and powers assigned to the Departmental Project Manager to assist him/her in completing the project within budget (barring changes of scope and exceptional items) is detailed within this plan. A Work Breakdown Structure and a further expanded Cost

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The purpose of the Scope Management Plan is to describe how the scope of this project will be defined, monitored, controlled and validated.

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The purpose of the Schedule Management Plan is to establish the criteria and activities to develop, monitor and control the project schedule. It identifies the scheduling tool and format of the schedule.

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Annexure J4: Requirements Management Plan

The purpose of the Requirements Management Plan is to describe how project requirements will be elicited, analysed, documented and managed. The management of the requirements will inform the project scope, clarify compliance, show testing and acceptance of requirements, adhere to the approved change management process and ensure progress reporting to keys stakeholders.

Annexure J5: Quality Management Plan

The purpose of the Quality Management Plan is to guide the project process to ensure the project achieves its objectives and therefore fulfils the service objectives. This is done through the preparation of processes of reviewing, revising, checking and improvement to ensure quality through compliance and integration.

Annexure J6: Stakeholder Engagement Plan

The Project Stakeholder Management Plan outlines how the needs and expectations of the project stakeholders will be managed. The engagement process includes identification of stakeholders, planning, managing and monitoring stakeholder engagements to ensure effective participation throughout the project life cycle.

Annexure J7: Communications Management Plan

The purpose of the Communications Management Plan is to outline the communications framework for the project which describes how, when, and by whom project information will be packaged and communicated. It serves as a guide for communications throughout the project lifecycle. The plan will be updated as communications needs change.

Project communications must promote awareness of and buy-in for the project, ensure adoption of the responsibilities and actions assigned to each stakeholder and encourage two-way communication between the project team and other project stakeholders.

Annexure J8: Risk Management Plan

The purpose of the Risk Management Plan is to outline how risk management activities will be structured and managed. The areas outlined in this document provide structure for the management of risk in this project and aligns with the organisational processes for risk management.

Annexure J9: Change Management Plan

The purpose of the Change Management Plan is to outline the process for requesting a change or changes to the project and the approval process for these changes. The plan also outlines how organizational change will be managed to ensure the successful execution of the project and achievement of strategic objectives.

Annexure J10: Procurement Management Plan

The purpose of the Procurement Management Plan is to describe how the Department will acquire goods and services from outside the Department in accordance with Infrastructure Procurement prescripts and guidelines due to the infrastructure nature of the project. It specifies types of contracts that will be used. It describes the process of obtaining and evaluating bids. It mandates the standardised procurement documents that must be used and describes how multiple contractors or service providers will be managed.

Annexure J11: Configuration Management Plan

The purpose of the Configuration Management Plan is to define the project artifacts which are configurable and are subject to a formal change control process. The plan outlines how to identify and account for such project artifacts which includes the recording and reporting of changes to them.

20. CONCLUSION

The new tertiary hospital project in King Cetshwayo District is a major project initiated by the Department of Health KwaZulu-Natal towards making universal health coverage a reality. The project pre-feasibility report was prepared by the Department in consultation with stakeholders, as a continuation of the Requirements Document, Business Case and Clinical Brief. Upon approval of this pre-feasibility report, the provincial Department will have been deemed to satisfy the deliverables for Stage 1 of the FIDPM. Thereafter the design process of the hospital will be initiated.

Submitted

Name: Mr. M.G Gcaba – Project Manager



Signature: Project Manager

25/01/2024
Date

Supported

Hospital Management Services: Mrs R.T Dube

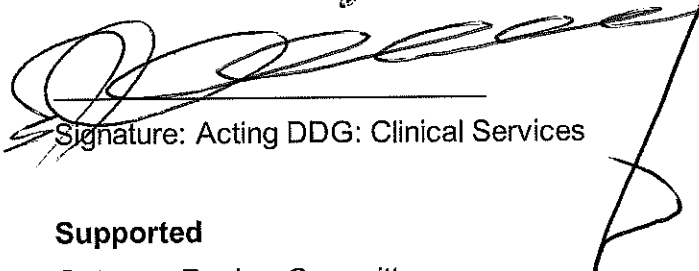


Signature: Chief Director: Hospital Management Services

25/01/2024
Date

Supported

Clinical Services: Dr T. Moji



Signature: Acting DDG: Clinical Services

25/1/2024
Date

Supported

Gateway Review Committee:

Signature: Chairperson: Gateway Review Committee

Date

Approval

Sponsor & Steering Committee: Dr S.C Tshabalala

Signature: Project Sponsor & Chairperson Steering Committee

Date

21. ANNEXURES