



KWAZULU-NATAL PROVINCE

PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

WIMS NUMBER : 074098

DESCRIPTION OF SERVICE : THE APPOINTMENT OF A GEOTECHNICAL ENGINEER FOR DEPARTMENT OF HEALTH: TO PROVIDE PROFESSIONAL SERVICES TO UNTUNJAMBILI HOSPITAL: CONSTRUCTION OF NEW ACCOMODATION FOR COMMUNITY SERVICE PROFESSIONALS.

DEPARTMENT OF PUBLIC WORKS
Private Bag X54336
Durban
4000

Contact Person : Nkanyiso Zondi

Tel : 066 399 6019

CENTRAL SUPPLIERS DATABASE NUMBER:

PLEASE NOTE THAT THIS QUOTATION IS SUBJECT TO TREASURY REGULATIONS 16A ISSUED IN TERMS OF THE PUBLIC FINANCE MANAGEMENT ACT, 1999, THE KWAZULU-NATAL SUPPLY CHAIN MANAGEMENT POLICY FRAMEWORK AND THE GENERAL CONDITIONS OF CONTRACT PRESCRIBED BY PROVINCIAL TREASURY.

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SECTION A INVITATION TO BID

DESCRIPTION: THE APPOINTMENT OF A GEOTECHNICAL ENGINEER FOR DEPARTMENT OF HEALTH: TO PROVIDE PROFESSIONAL SERVICES FOR UNTUNJAMBILI HOSPITAL: CONSTRUCTION OF NEW ACCOMMODATION FOR COMMUNITY SERVICE PROFESSIONALS.

WIMS NUMBER: 074098

CLOSING DATE: 19 MARCH 2021

CLOSING TIME: 11H00AM

Compulsory Briefing:

Date : N/A
Time : N/A
Venue : N/A

The successful bidder will be required to fill in and sign a written Contract Form

DEPOSITED IN THE BID BOX SITUATED AT
KZN DEPARTMENT OF PUBLIC WORKS, ETHEKWINI REGIONAL OFFICE
455A KING CETSHWAYO HIGHWAY, MAYVILLE
DURBAN
4091

Bidders should ensure that bids are delivered timeously to the correct address. If the bid is late, it will not be accepted for consideration.

The bid box is generally open during working hours 07h30 to 16h00 Weekdays

ALL QUOTATIONS MUST BE SUBMITTED ON THE OFFICIAL FORMS – (NOT TO BE RE-TYPED)

THIS QUOTATION IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT

<p align="center">THE FOLLOWING PARTICULARS MUST BE FURNISHED (FAILURE TO DO SO MAY RESULT IN YOUR BID BEING DISQUALIFIED)</p>

NAME OF BIDDER
POSTAL ADDRESS
STREET ADDRESS
TELEPHONE NUMBER	CODE.....NUMBER.....
CELLPHONE NUMBER
FACSIMILE NUMBER	CODENUMBER.....
E-MAIL ADDRESS
VAT REGISTRATION NUMBER
SIGNATURE OF BIDDER
DATE
CAPACITY UNDER WHICH THIS BID IS SIGNED

ANY ADMINISTRATIVE ENQUIRIES REGARDING THE BIDDING PROCEDURE MAY BE DIRECTED TO:

Department : KZN - Department of Public Works
Contact Person : Mrs. Khosi Ngcobo
Tel : 082 931 6800
E-mail address : Khosi.ngcobo@kznworks.gov.za

ANY ENQUIRIES REGARDING TECHNICAL INFORMATION MAY BE DIRECTED TO:

Contact Person : Nkanyiso Zondi
Tel : 066 399 6019
E-mail address : nkanyiso.zondi@kznworks.gov.za

SECTION B

SPECIAL INSTRUCTIONS AND NOTICES TO BIDDERS REGARDING THE COMPLETION OF FORMS

PLEASE NOTE THAT THIS QUOTATION IS SUBJECT TO TREASURY REGULATIONS 16A ISSUED IN TERMS OF THE PUBLIC FINANCE MANAGEMENT ACT, 1999, THE KWAZULU-NATAL SUPPLY CHAIN MANAGEMENT POLICY FRAMEWORK AND THE GENERAL CONDITIONS OF CONTRACT.

1. Unless inconsistent with or expressly indicated otherwise by the context, the singular shall include the plural and visa versa and with words importing the masculine gender shall include the feminine and the neuter.
2. Under no circumstances whatsoever may the quotation/bid forms be retyped or redrafted. Photocopies of the original bid documentation may be used, but an original signature must appear on such photocopies.
3. The bidder is advised to check the number of pages and to satisfy himself that none are missing or duplicated.
4. Quotation submitted must be complete in all respects.
5. Quotation 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 bid documents.
6. Each quotation shall be addressed in accordance with the directives in the quotation documents and shall be lodged in a separate sealed envelope, with the name and address of the bidder, the bid number and closing date indicated on the envelope. The envelope shall not contain documents relating to any quotation other than that shown on the envelope. If this provision is not complied with, such quotations/bids may be rejected as being invalid.
7. All quotations received in sealed envelopes with the relevant bid numbers on the envelopes are kept unopened in safe custody until the closing time of the quotation/bids. Where, however, a quotation is received open, it shall be sealed. If it is received without a quotation/bid number on the envelope, it shall be opened, the quotation number ascertained, the envelope sealed and the quotation number written on the envelope.
8. A specific box is provided for the receipt of quotations, and no quotation found in any other box or elsewhere subsequent to the closing date and time of quotation will be considered.
9. No quotation/bid sent through the post will be considered if it is received after the closing date and time stipulated in the quotation documentation, and proof of posting will not be accepted as proof of delivery.
10. No quotation submitted by telefax, telegraphic or other electronic means will be considered.
11. Quotation documents must not be included in packages containing samples. Such quotations may be rejected as being invalid.
12. Any alteration made by the bidder must be initialed.
13. Use of correcting fluid is prohibited
14. Quotation will be opened in public as soon as practicable after the closing time of bid.
15. Where practical, prices are made public at the time of opening quotations.
16. 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.

SECTION C

REGISTRATION ON THE CENTRAL SUPPLIERS DATABASE

- 1 In terms of the Public Finance Management Act (PFMA), 1999 (Act No 1 of 1999) Section 38 (1) (a) (iii) and 51 (1) (iii) and Section 76 (4) of PFMA National Treasury developed a single platform, The Central Supplier Database (CSD) for the registration of prospective suppliers including the verification functionality of key supplier information.
- 2 Prospective suppliers will be able to self-register on the CSD website: www.csd.gov.za
- 3 Once the supplier information has been verified with external data sources by National Treasury a unique supplier number and security code will be allocated and communicated to the supplier. Suppliers will be required to keep their data updated regularly and should confirm at least once a year that their data is still current and updated.
- 4 Suppliers can provide their CSD supplier number and unique security code to organs of state to view their verified CSD information.

CSD Number

SECTION D
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).....

.....

AM AWARE OF THE CONTENTS OF THE CENTRAL SUPPLIER'S 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 QUOTATION/BID.

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

.....

NAME OF BIDDER

.....

SIGNATURE OF BIDDER OR AUTHORISED REPRESENTATIVE

DATE:.....

SECTION E DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state¹, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes an advertised competitive bid, a limited bid, a proposal or written price quotation). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-

- the bidder is employed by the state; and/or
- the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

2.1 Full Name of bidder or his or her representative:
.....

2.2 Identity Number:.....

2.3 Position occupied in the Company (director, trustee, shareholder², member):
.....

2.4 Registration number of company, enterprise, close corporation, partnership agreement or trust:
.....

2.5 Tax Reference Number:
.....

2.6 VAT Registration Number:
.....

2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / PERSAL numbers must be indicated in paragraph 3 below.

2.7 Are you or any person connected with the bidder **YES / NO**
presently employed by the state?

2.7.1 If so, furnish the following particulars:

¹"State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

²"Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

Name of person / director / trustee / shareholder/ member:

Name of state institution at which you or the person
connected to the bidder is employed :

Position occupied in the state institution:

Any other particulars:

.....
.....
.....

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? **YES / NO**

2.7.2.1 If yes, did you attach proof of such authority to the bid document? **YES / NO**

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....
.....
.....

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? **YES / NO**

2.8.1 If so, furnish particulars:

.....
.....
.....

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

2.9.1 If so, furnish particulars.

.....
.....
.....

2.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid? **YES/NO**

2.10.1 If so, furnish particulars.

.....
.....
.....

2.11 Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract? **YES/NO**

2.11.1 If so, furnish particulars:

.....
.....
.....

3 Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	Personal Income Tax Reference Number	State Employee Number / Persal Number

4 DECLARATION

I, THE UNDERSIGNED (NAME).....

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 and 3 ABOVE IS CORRECT.
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME SHOULD THIS

DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

**SECTION F
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:

WIMS NO. 074098: THE APPOINTMENT OF A GEOTECHNICAL ENGINEER FOR DEPARTMENT OF HEALTH: TO PROVIDE PROFESSIONAL SERVICES FOR UNTUNJAMBILI HOSPITAL: CONSTRUCTION OF NEW ACCOMMODATION FOR COMMUNITY SERVICE PROFESSIONALS.

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.

The offered price for the Professional Services, inclusive of value added tax, is

R (in figures)

.....

..... **Rand** (in words)

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 tenderer before the end of the period of validity stated in the Tender Data, whereupon the tenderer 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: (cross out block which is not applicable)

Company or close corporation: and: whose registration number is: and: whose income tax reference number is:

OR

Natural person or partnership: whose identity number(s) is/are: whose income tax reference number is/are:

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 phone no:

Fax no:

Postal 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 documents 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 fax, the first business day following the day on which it was faxed. 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 Public Works
Address of organisation:	

Witnessed by:

Name of witness	Signature	Date

SECTION G

SPECIFICATION, EVALUATION PREFERENCE POINT SYSTEM & PRICING SCHEDULE

1. BACKGROUND

The Missionaries formed the hospital; the first pastor was Mr Hanse Schreuder from Norway, who arrived at Ntunjambili in 1 January 1844 with the aim of spreading the Gospel in Africa.

Pastor Schreuder went back to one of the places in surrounding area to have a rest, “WAYA KOPHUMULA” that place called UMPHUMULO. One of the kings had sores in his legs and he asked Pastor Schreuder to pray for him, he did so and the King was healed, therefore he went back to Untunjambili to preach the word of god at Lutheran Church of South Africa. Seeing that he was getting a large number of people with sores and chest pains he started to buy his own medicines, after him Mr. Otte took over, his wife Mrs. Lilian Otte was a professional nurse, she worked together with her husband. In 1940 Mr. and Mrs Otte built the female ward (Emlindelweni), male ward and medicine room, there were no electricity by that time.

Untunjambili was name after the landmark; “UNTUNJA” means “Whole”, “MBILI” means “two”, which means there were two holes in the mountain.

In 1940 the Missionaries had a College for pastors called Khumbulani now its labour ward.

In 1969 Dr Ali was the first Superintendent of the hospital, Selma Ericcson was the first matron and the hospital had only one van for mission, everybody was using the same van.

In 1970’s the government employed doctors, nurses and cleaners.

1.1 Situation Today

Untunjambili Hospital is a district hospital with 130 beds in the Ilembe health district. The hospital serves a total population of 160,342 who come from Kranskop area, Ngcolosi area, Mabomvini area, Makhabeleni area, Cele area and Mahlongwa area.

Therefore a need to appoint a suitably qualified and experienced Geotechnical Engineering entity to commission required services as per the guideline scope of services below.

2. PURPOSE

The Department is seeking bids from experienced and skilled Registered Professional Geotechnical Engineering firms to provide Geotechnical Engineering services at Department Of Health: Untunjambili Hospital : Construction of new accommodation for community service professionals.

3. SCOPE OF WORK/SPECIFICATION

3.1 Scope of Work

The staff accommodation building will house Community Safety Medical Professionals who requires self contained units. The current intake at Untunjambili Hospitals 15 interns. However, this number can vary from year to year. An average number was determined based on the information provided by the Hospital Management and it equates to 20 single bed self-contained units with provision of one disabled unit. Provision to be made for communal spaces, Laundry areas, Waste areas and recreation areas.

Furthermore it is required that the following be addressed:

- Fencing for accommodation section
- Access control
- Security
- Site and Street Lighting
- Roads and Parking (relating to project)
- Landscaping
- Recreational Areas
- Green Initiatives
- Maintenance Strategies

The materials investigation is to be undertaken on the proposed site within the site of the Hospital.

The Service Provider will be expected to carry out the necessary test pits, dynamic cone penetrometer (DCP) tests, soil sampling and necessary laboratory tests as detailed in the Schedules of Quantities. The work will entail investigations within the Unjunjambili Hospital site area.

The Service Provider shall carry out the necessary sampling, transportation, storage, testing and reporting to the Employer according to the programme of works. The scope of service shall not be limited to activities identified below:

3.2 Procurement Objectives

Programme of testing

Fieldwork should commence not later than two week upon receipt of appointment letter and all field and testing work shall be completed and reported upon within the agreed stipulated time. In the event that the complete set of results and report is not delivered to the Employer by **agreed date**, a penalty of R 1000.00 (one thousand rand) per day shall be implemented until all the required information has been delivered.

Site Personnel

The person responsible for execution of the site work should have as a minimum a Senior Materials Technician qualification. This person shall be responsible for

- supervision of the excavations and sampling,
- profiling and photographs,
- Logging
- backfilling of the excavations,
- Leaving the site in a clean and safe manner.

The laboratory shall provide the details of the person to be responsible for the site together with the person's CV. The nominated person shall be on site at all times, for the full duration of the site work.

Hours of work

All work shall only be carried out between 7h30 and 16h00 and all the work shall be completed within the hours of daylight. No testpit or core hole shall be allowed to remain open or unsafe in any way, and shall be properly backfilled as described hereunder.

Weather Limitations

No work shall be undertaken if there is a possibility of it raining during the excavation and sampling. If for some reason it does rain during the excavation and sampling, the samples shall be discarded and the excavation shall be redone in the immediate vicinity at the No additional cost. Repairs to any subsidence of the excavation shall also be to the cost of the service Provider.

Test pitting

a) Testpit excavation

Prior to excavating of any test pit or slot in existing pavements, the surface condition must be recorded by means of adequate photographs. The photographs shall be of clear definition with the test pit number and coordinates clearly legible. Distress such as rutting should be made visible by means of placing a straight edge across the test pit location. If cracks are of such a nature as to possibly not being clearly defined in the photo, then the cracks should be "highlighted" by means of chalk. If necessary, place an object of standard size on the surface in order to give an indication of scale. It may also be necessary in some instances to take more than one photograph of the test pit surface to adequately record the surface condition.

The excavation should always be done carefully to ensure that only one layer at a time is removed and stockpiled separately without any contamination of material from other layers. The behaviour of the material in each layer during the breaking up process should be carefully observed as it gives vital information as to the consistency and "structure" of the layer e.g. a stabilised layer that remains in hard chunks during the excavation process may possibly be difficult to rework in-situ utilising conventional construction equipment.

In addition to the taking of photographs it is essential that the surface condition in the vicinity of the excavation be recorded in detail. The description and classification (degree) of any distress that is evident shall be according to the standards described in TMH 9 (1992): Pavement Management Systems; Assessment Manual for Flexible Pavements or any other applicable standards.

b) Testpit dimensions

The excavation of the testpit, shall be 1m x 0.8m minimum in area, to a maximum depth of 3m. The excavation shall be carried out with due care, so that each type of material encountered in the testpit can be sampled separately. The excavation shall be carried out neatly; the sides of the testpit shall be vertical.

If required, it is preferable to carry out any DCP testing prior to commencing with any excavations. If the ground layers consists of relatively thick stabilised layers, it may be necessary

to drill through these layers or carefully removing them prior to commencing with the DCP test. The start position shall be measured relevant to the existing road surface.

c) Profiling

It is important to note that the profiling of test pits **on the proposed site (Untunjambili Hospital)** should be approached differently to that advocated for the profiling of normal in situ soil/gravels (Jennings, Brink et al), according to the MCCSSO method. The main purpose of the profiling and sampling/testing is to ascertain, or confirm, the causes of distress and/or categorise the in situ material layers with respect to in situ quality and suitability for any particular rehabilitation strategy. As certain features within a layer cannot be identified from laboratory testing or photographs, the profiles of any test pit should always be as descriptive as possible. It is always better to over-describe during profiling than to record only brief comments, however, common sense should also be applied. It is superfluous to describe the O="origin" of an asphalt or crushed stone material as being "transported" or an asphalt layer as being "black" in colour. The "origin" in this case is obviously rather the name of the existing layer viz. asphalt or crushed stone.

Profiling should commence immediately after excavation and sampling, and should be completed within 1 hour from completion of the excavation.

i) Description of Surfacing/Asphalt Layers

The removal of any surfacing/asphalt layers during the test-pitting operation must be done as carefully as possible. If the pavement consists of multi-layers of asphalt or seals, each layer must be described separately and, if possible individual samples taken. If it is not possible to separate the individual layers during excavation, then a "full depth" sample must be retained for later separation in the laboratory. During the excavation process the condition of the individual surfacing/asphalt layers must be fully described according to the criteria given in the tables below. If it is not possible to identify the particular surfacing or asphalt mix types visually, or from as-built records, then it may be necessary to test the sample in the laboratory in order to determine the mix type and constituents, if this information would influence a particular repair strategy. If, for example, a modified binder was utilised in a surfacing seal or asphalt mix, then this should be recorded in the description of the layer. If it appears that the binder was modified but there are no records, then the binder should be described as "possibly modified".

ii) Description of Gravel Layers

Description of the gravel layers beneath the surfacing should follow the key facets (**MCCSSO**) utilised for the profiling of soils, but adapted for layers.

- **Moisture:**

In most instances the moisture condition within the specific layer would be uniform, however if the following conditions are evident, they should be recorded in detail:

- Variation in moisture within the layer
- Higher moisture at the top of the layer
- Higher moisture at the bottom of the layer
- Higher moisture adjacent to any cracks within the layer

A sample must be taken of each layer and immediately sealed for the later determination of moisture content in the laboratory. Where there is a visual difference in moisture condition within the layer, separate samples must be taken and tested.

- **Colour:**

All colours must be described in terms of the Burland colour chart. To enable a comparison to be made to similar layers in other test pits, the description of colour should be done with the material in a **moist** state.

- **Consistency:**

Dependant on the availability and accuracy of as-built information, it is usually the norm to utilise phenolphthalein and hydrochloric acid as indicators to determine (or confirm) whether or not a particular layer has been chemically stabilised. It is important to have this information as the description of Consistency is dependent on whether the layer has been cemented or not. Consistency should thus be described according to the tables below, as relevant. In cases where the layer also consists of gravel, pebbles, aggregate particles, an estimate of the proportion of the matrix to the aggregate must be made. The rock type as well as its hardness must also be recorded.

As the behaviour of emulsion or foam bitumen stabilisation results in a layer which has characteristics falling between that of a granular layer and a chemically stabilised layer, it may be necessary to utilise a combination of the above tables in order to adequately describe its in situ consistency. A sound knowledge of the behaviour of these types of layers is thus required to optimise any information as to the future performance potential of such layers.

- **Structure:**

The structure of the layer is important as it provides clues as to the condition and any underlying cause for distress.

- **Soil Type:**

Each layer in the test pit must be described in terms of the soil/material type. The description of the material in the test pit must correlate with the description of the material based on the laboratory test result. The profiles of any test pits can thus only be finalised once the relevant testing has been completed.

- **Origin:**

It is usually stating the obvious that the material within the pavement depth has been transported. Of more value would be the name or identification/purposed of the layer or if possible, the determination of the borrow pit or quarry from which the material was obtained. If this information can be determined, it should be included in the profile. In cuttings however it may be that the selected subgrade layer/s comprise of in situ materials. If so then they should be described as *residual*. If identifiable, additional detail as to possible signs of treatment in place (rip and recompaction), or the lack thereof, should be recorded e.g. altered orientation of particles within shale layers, shattered residual rock etc.

d) Photography

At least one side of the test pit (the one that will yield the clearest photographs) must be brushed clean so that no disturbed or foreign material is present on the face. Demarcate the individual layers by means of spray paint or other suitable methods, such as using string. Apply hydrochloric acid and phenolphthalein to the face by means of spray or wash bottles to detect if stabilised layers are present. If there are cracks within the layer then the layer should be moistened with water by means of a spray bottle (not in the area where the layer has turned red as a result of the indicator). The intact material adjacent to any cracks will dry out first thereby enabling the cracks to be more easily identifiable and show up more clearly on the photographs. Such an application of moisture will also enable any accumulation of fines within a crack to be readily identifiable.

Photographs shall be provided showing the following;

- i) The excavation site before excavation detailing the following
 - The outline of the proposed excavation marked out in white chalk
 - Surface cracks highlighted with yellow chalk
 - A 2m straightedge appropriately positioned to show deformation or rutting
 - A board giving road number and kilometre distance placed next to proposed excavation.
- ii) On completion of the excavation, the photograph shall show
 - The full depth of the excavation without shadows
 - A board giving the position and testpit/slot number positioned next to the excavation
 - A depth gauge marked clearly in 100mm units, appropriately positioned in the excavation
 - If there are stabilised layers present, a 200mm band sprayed vertically with phenolphthalein
 - Interface of layers marked by inserting nails at 200mm centres along the interface of the various layers. White string is then connected to the nails along each interface.

It is recommended to use a flash in order to produce photographs of acceptable quality.

The photographs shall consist of one colour print and digital image each for before and after excavation as detailed above.

f) Sampling

- i) Sampling of each layer

Representative samples shall be taken for each material type from each layer encountered in the excavation, in accordance with TMH5 with specific reference to sampling method MC1. Adequately sized samples shall be taken in order to conduct full Indicator tests, sieve analysis, moisture relationship and CBR tests for each layer of each excavation. Hard surfaces may be excavated using a mechanical breaker, unless instructed otherwise.

- ii) Moisture content

Representative samples shall be taken from each layer and from within the excavation, as soon as possible, after the layer has been excavated, so as to avoid moisture loss. Moisture samples shall not be taken from the material stockpiled during excavation of the layers. A sample, approximately 500g for fine-grained materials and 1500g for coarse materials, shall be sealed in an airtight container and properly marked. Moisture contents shall be sampled for all layers within all excavations.

g) Backfilling of the excavation (pavement test pits)

Backfilling of the excavations shall be carried out using the following as a minimum;

- i) Excavated material of minimum G5 quality, compacted to minimum 95% MDD, to a level of 225mm below the road surface.
- ii) A base layer of G2 quality material, stabilised with 3% cement, compacted to minimum 97% MDD, to a level 25mm below the road surface.
- iii) A tack coat of 0.5 l/m² using 30% spray grade emulsion.
- iv) Surfacing consisting of continuously graded cold-mix from an approved source, well compacted, to match the level of the existing surfacing.

The laboratory shall carry out the backfilling in a manner that ensures no subsidence will occur. If the laboratory wishes to use better quality material for the full depth of backfilling, then the cost of the material shall be included in the excavation rates. Any subsidence within the excavations shall be repaired without delay by the laboratory, at its own cost.

Laboratory tests

Tests shall be carried out in the following order of preference:

Relevant SANS 3001 test methods published by SABS,

Technical Methods for Highways (TMH) 1,

American Society for Testing and Materials (ASTM) technical standards

Bituminous stabilisation testing shall be carried out in accordance with Technical Guidelines:

Bituminous Stabilised Materials (TG2).

Presentation of results

The testpit profiles and test results, which include moisture contents, DCP's, field densities, as well as the photographs, shall be presented together in a bound volume.

Measurement & Payment

Pavement investigation and Sampling

The tendered sum shall include full compensation for the transport of the contractors' staff and/or equipment required for the duration of the contract, to the first site, upliftment and re-location to the other sites, and for de-establishment once the field work has been completed.

The tendered sum shall include for the hand excavation of test pits. Test pits shall be excavated to a depth of 1.0. Sampling, profiling, photographs of the test pits as well as DCP probes shall conform to sections 7 & 8 of this document.

The tendered sum shall include full compensation for procuring the bags as indicated in the schedule of quantities, placing the samples in the bags as required for testing and transporting the samples from the site to the laboratory.

In situ Investigation and Sampling

- (a) Test pit excavation by hand to a depth of 1,5m
- (b) Sampling & profiling, photos of test pits & DCPs
- (c) Transport samples to laboratory in small and large bags

The tendered sum shall include for the hand excavation of test pits. Test pits shall be excavated to a depth of 1,5m or less, as instructed by the engineer.

The tendered sum shall include for sampling, profiling and photographs of the test pits. The above shall conform to section 3 of this document.

The tendered rate sum shall include full compensation for procuring the bags as indicated in the schedule of quantities, placing the samples in the bags as required for testing and transporting the samples from the site to the laboratory.

Laboratory testing

- (a) Standard tests
 - I. Moisture content
 - II. Sieve analysis
 - III. Atterberg limits
 - IV. MDD & CBR (natural)
 - V. Indicator tests
 - VI. CBR
- (b) Transport samples to laboratory
 - I. Large bags
 - II. Small bags

(c) Laboratory testing where no schedule is available, or specialised testing

(d) Handling costs

The tendered sum shall include for full compensation for the testing as required in the schedule of quantities.

The tendered sum shall include full compensation for procuring the bags as indicated in the schedule of quantities, placing the samples in the bags as required for testing and transporting the samples from the commercial source to the laboratory.

The tendered sum shall include full compensation for further testing required by the Engineer that is not found in the schedule of quantities.

Miscellaneous

The tendered sum shall include for full compensation for testing that the service provider deems necessary. Proven costs for the same will be required for compensation. The test methods shall conform to section 8 of this document.

Geotechnical Report

The tendered rate shall include for full compensation for production of a Geotechnical Report which shall include but not limited to:

- All photographs of the pavement layers and pits
- Soil Profiling
- Founding conditions, bearing capacity by the earthworks
- Slope Stability
- Drainage
- Subgrade Treatment for insitu material
-

4. MANDATORY REQUIREMENTS

4.1 Submission of Statutory and Essential Information

Failure to submit any of the following documentation in the prescribed format will lead to immediate disqualification of the tender:	
1	Submission of all returnable documents as referenced on APPENDIX B – RETURNABLE DOCUMENTS attached herein.
2	Project specific organogram- Principal Engineer- Professional Geotechnical Engineer having more than (5) years' post registration experience in geotechnical investigation work. Firm to indicate an alternative Professional Geotechnical Engineer in case of incapacity during the project period.
3	Certified copies of detailed CV of all project resources. Traceable references. Certified copies of qualification(s) obtained in the relevant discipline.
4	Firm to demonstrate experience in executing two (2) or more similar nature projects in within the last five (5) years.

PLEASE NOTE:

- The Department reserves the right not to award to the lowest bidder.
- Failure to submit any of the above documentation in the prescribed format, will lead to immediate disqualification.
- Tenderers who have submitted all the above documentation in the prescribed format, will move onto the final stage of evaluation i.e 80/20 principle.
- The Department will conduct a detailed risk assessment prior to the award.

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included);

1.2

- a) The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the80/20..... preference point system shall be applicable; or
- b) The 80/20 preference point system will be applicable to this tender

1.3 Points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contributor.

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	
B-BBEE STATUS LEVEL OF CONTRIBUTOR	
Total points for Price and B-BBEE must not exceed	100

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

2. DEFINITIONS

- (a) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised

competitive bidding processes or proposals;

- (d) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (f) **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:
- | | | |
|----|---|-----------------------|
| 1) | certificate issued by an authorized body or person; | B-BBEE Status level |
| 2) | prescribed by the B-BBEE Codes of Good Practice; | A sworn affidavit as |
| 3) | prescribed in terms of the B-BBEE Act; | Any other requirement |
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. POINTS AWARDED FOR PRICE

THE 80/20 PREFERENCE POINT SYSTEM

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

80/20

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

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

P_{\min} = Price of lowest acceptable bid

POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

BID DECLARATION

Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED:

B-BBEE Status Level of Contributor: . =(maximum of 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

4. SUB-CONTRACTING

4.1 Will any portion of the contract be sub-contracted?

(***Tick applicable box***)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

4.1.1 If yes, indicate:

- What percentage of the contract will be subcontracted.....%
- The name of the sub-contractor.....
- The B-BBEE status level of the sub-contractor.....
- Whether the sub-contractor is an EME or QSE

(***Tick applicable box***)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017:

Designated Group: An EME or QSE which is at last 51% owned by:	EME √	QSE √
Black people	<input type="checkbox"/>	<input type="checkbox"/>

Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

5. DECLARATION WITH REGARD TO COMPANY/FIRM

5.1 Name of company/firm:.....

5.2 VAT registration number:.....

5.3 Company registration number:.....

5.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

5.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

5.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

5.7 Total number of years the company/firm has been in business:.....

5.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we 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 6.1, the contractor may be required to furnish documentary proof to the

satisfaction of the purchaser that the claims are correct;

iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

- (a) disqualify the person from the bidding 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 bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury 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.

WITNESSES

1.
.....

.....
SIGNATURE(S) OF BIDDERS(S)

APPENDIX A – BID PROFORMA

(To be completed by the Consultant)

General Notes –

- For fee based appointment allow an additional time based work carried out up to a maximum of 50 hours, by written prior approval of the Department Project Leader.
- **For percentage-based appointment – Consultants are requested to complete Table 1 of Appendix A.**
- Preference Points and Percentage discount offered take precedence over any additional detailed fee calculations submitted, where there is any ambiguity
- Disbursements as published in the monthly National Department of Public Works “Rates for Reimbursable Expenses” shall be used as a guideline. Discount can also be offered in this regard, but maximum rate applicable shall be for vehicles up to 2150cc (latest published)
- Table below is **NOT** to be modified by Consultant

TABLE 1		PERCENTAGE BASED FEES			
DISCIPLINE	DOPW RATES AND REIMBURSABLE EXPENSES	FEE BREAKDOWN	RAND VALUE	CONSULTANT FULL NAME (Authorised Person)	CONSULTANT SIGNATURE
Geo-Tech Engineer	RATES_089_FOR_REIMBURSABLE_EXPENSES_as_from_1 February 2021	Maximum of 50 hours (Professional Engineer):	R 69_800.00		
		Surcharge (where applicable)	R		
		Less Discount: ____%	R		
		Add VAT @ 15%	R		
		TOTAL PROJECT FEES:	R		
Note – Percentage discount above also applies to any additional time based work carried out up to a maximum of 50 hours, by written prior approval of Project Leader.					

COMPANY STAMP:

DATE:

SECTION H

OFFICIAL BRIEFING SESSION/SITE INSPECTION CERTIFICATE

Bid No : **WIMS NO. 074098**

Service : **APPOINTMENT OF A GEOTECHNICAL ENGINEER**

Date : N/A

Time : N/A

Venue : N/A

THIS IS TO CERTIFY THAT (NAME)

ON BEHALF OF

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
(PRINT NAME)

DATE:

.....
SIGNATURE OF DEPARTMENTAL REPRESENTATIVE
(PRINT NAME)

.....
DEPARTMENTAL STAMP :
(OPTIONAL)

DATE:

SECTION I

Tax Clearance Certificate Requirements (TCS)

- 1 The State / Province may not award a contract resulting from the invitation of quotations to a bidder who is not properly registered and up to date with tax payments or, has not made satisfactory arrangements with S A Revenue Services concerning due tax payments.
- 2 The South African Revenue Services (SARS) has phased out the issuing of paper Tax Clearance Certificates. From 18 April 2016 SARS introduced an enhanced Tax Compliance system. The new system allows taxpayers to obtain a Tax Compliance Status (TCS) PIN, which can be utilized by authorized third parties to verify taxpayers' compliance status on line via SARS e-filing.
- 3 Bidders are required to apply via e-filing at any SARS branch office nationally. The Tax Compliance Status (TCS) requirements are also available to foreign bidders / individuals who wish to submit bids.
- 4 SARS will then furnish the bidder with a Tax Compliance Status (TCS) **PIN** that will be valid for a period of 1 (one) year from the date of approval.
- 5 In bids where Consortia / Joint Venture / Sub-contractors are involved, each party must submit a separate Tax Compliance Status (TCS) **PIN**.
- 6 Application for Tax Compliance Status (TCS) **PIN** can be done via e-filing at any SARS branch office nationally or on the website www.sars.gov.za.
- 7 Tax Clearance Certificates may be printed via e-filing. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.
- 8 Tax Compliance Status is not required for services below R30 000 ITO Practice Note Number: SCM 13 of 2007.
- 9 Kindly either provide an original tax clearance certificate, your tax number or pin number.

TAX NUMBER

PIN NUMBER

SECTION J

AUTHORITY TO SIGN A QUOTATION

A.COMPANIES

If a Bidder is a company, a certified copy of the resolution by the board of directors, personally signed by the chairperson of the board, authorising the person who signs this bid to do so, as well as to sign any contract resulting from this bid and any other documents and correspondence in connection with this bid and/or contract on behalf of the company must be submitted with this bid, that is before the closing time and date of the bid

AUTHORITY BY BOARD OF DIRECTORS

By resolution passed by the Board of Directors on.....20.....,.....

Mr/Mrs/Miss..... (whose signature appears below) has been duly authorised to sign all documents in connection with this bid on behalf of

(Name of Company)

IN HIS/HER CAPACITY AS:

SIGNED ON BEHALF OF COMPANY:
(PRINT NAME)

SIGNATURE OF SIGNATORY: DATE:

WITNESSES: 1

2

A. SOLE PROPRIETOR (ONE - PERSON BUSINESS)

I, the undersigned..... hereby confirm that I am the sole owner of the business trading as

.....

.....
SIGNATURE
(PRINT NAME)

.....
DATE

C. PARTNERSHIP

The following particulars in respect of every partner must be furnished and signed by every partner:

Full name of partner	Residential address	Signature
.....
.....

.....
.....

We, the undersigned partners in the business trading as.....
hereby authorizedto sign this bid as well as any contract resulting
from the bid and any other documents and correspondence in connection with this bid and /or contract on behalf of

.....
SIGNATURE
(PRINT NAME)

.....
SIGNATURE
(PRINT NAME)

.....
SIGNATURE
(PRINT NAME)

.....
DATE

.....
DATE

.....
DATE

D. CLOSE CORPORATION

In the case of a close corporation submitting a bid, a certified copy of the Founding Statement of such corporation shall be included with the bid, together with the resolution by its members authorising a member or other official of the corporation to sign the documents on their behalf.

By resolution of members at a meeting on 20..... at

.....Mr/Mrs/Miss....., whose
signature appears below, has been authorised to sign all documents in connection with this bid on behalf of (Name
of Close Corporation)

.....
SIGNED ON BEHALF OF CLOSE CORPORATION: (PRINT NAME)

IN HIS/HER CAPACITY AS **DATE:**

SIGNATURE OF SIGNATORY:

WITNESSES: 1
.....

2
.....

E CO-OPERATIVE

A certified copy of the Constitution of the co-operative must be included with the bid, together with the resolution by its members authoring a member or other official of the co-operative to sign the bid documents on their behalf.

By resolution of members at a meeting on 20..... at

Mr/Mrs/Miss....., whose signature appears below, has been authorised to sign all documents in connection with this bid on behalf of (Name of co-operative).....

SIGNATURE OF AUTHORISED REPRESENTATIVE/SIGNATORY:
(PRINT NAME)

.....

IN HIS/HER CAPACITY AS:.....

DATE:

SIGNED ON BEHALF OF CO-OPERATIVE:.....

NAME IN BLOCK LETTERS:.....

WITNESSES: 1

2

SECTION K
DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES
 (To be completed by Bidder.)

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be disregarded if that bidder, or any of its directors have-
 - a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system; or
 - c. failed to perform on any previous contract.
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	<p>Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?</p> <p>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</p> <p>The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	<p>Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</p> <p>The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		

4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME).....

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....

Signature

.....

Date

.....

Position

.....

Name of Bidder

SECTION L

CERTIFICATE OF INDEPENDENT QUOTATION DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all quotation¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
- a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the quotation:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

I, the undersigned, in submitting the accompanying quotation:

(Quotation Number and Description)

in response to the invitation for the bid made by:

(Name of Institution)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this quotation invitation;
 - (b) could potentially submit a quotation in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. 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 consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid;or
 - (f) bidding with the intention not to win the quotation.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. 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.
10. 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.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

³ 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.

APPENDIX A – RETURNABLE DOCUMENTS

CHECKLIST OF RETURNABLE DOCUMENTS			
Item No.	Required Document	Tick Y	N
1.	Valid SARS Tax Clearance Pin Number, Tax number or original tax Clearance certificate (to be labelled as B1)		
2.	Central Supplier Database Registration with National Treasury (Unique Reference Number & Supplier Number) (to be labelled as B2)		
3	Proof of Registration with Council of the Lead Professional (Attach Letter of Good standing with the relevant council if applicable dated during the year of Quotation) (to be labelled as B3)		
5.	Proof of Registration with Companies and Intellectual Property Commission (CIPC) (printout not older than 1 month) (to be labelled as B4)		
6.	Declaration of interest by Consultant – SBD 4		
7.	Declaration of bidders Past Supply Chain Management practice – SBD 8		
8.	Certificate of Independent Bid Determination – SBD 9		
9.	Original <u>certified</u> BBBEE Verification Certificate from Verification Agency accredited by the South African Accreditation System (SANAS) OR; A sworn affidavit must be correctly and fully commissioned by the commissioner of Oaths i.e. date, signature, stamp and a force number case of SAPS. Any certificate not fully compliant with this, is invalid, and must not be accepted.		
10.	Proof of Residential Address (Municipality Rates Bills, Telephone Bill, or current lease agreement letter from Ward councillor or affidavit from Commissioner of oaths, if office is in an area where rates are not paid) (to be labelled as B6)		
11.	Proof of the relevant professional Indemnity Insurance – Geotechnical, Civil and Structural Engineering : R5,0 million Electrical ,Mechanical Engineering : R3,0 million Architectural : R5,0 million Other : R3,0 million (to be labelled as B7)		
12.	Quotation from the Consultant (Appendix A – Signed, Stamped and Dated)		
13	Company Profile (highlighting relevant experience on a similar project) (to be labelled as B8)		
14	Schedule of experience on similar projects executed within the past 3 years; <u>NB, Letters of award and or completion certificates to be attached and reference letters for all work completed in the preceding 3 years to be included to be labelled as B9)</u>		

TENDERERS TO NOTE

Submission of the above returnable documents is mandatory. Failure to submit all the requested documents will result in the tender not being considered

All returnable documents that require certification by the commissioner of oath and must not be older than 3 (three) months old from the date of request for quotation

APPENDIX B – CONTRACT DATA

C1.2 Contract Data

C1.2.1 Standard Professional Services Contract

The conditions applicable to this Contract are the Conditions and Procedures under which consultant Engineering are commissioned by the Department of Works, Province Of Kwa-Zulu Natal (Revised January 2006)

C1.2.2 Data provided by the Employer

Clause	
	<p>The General Conditions of Contract in the Standard Professional Services Contract (August 2005) make several references to the Contract Data for details that apply specifically to this tender. 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>
1	The Employer is the Department of Public Works .
1	The Period of Performance is from inception of this Contract until the Service Provider has completed all Deliverables in accordance with the Scope of Services.
1	The Project is to the provision of Geo- Tech Engineer services for the Project.
3.4 and 4.3.2	The authorised and designated representative of the Employer is the departmental project manager, details of whom are as indicated in T1.1 Notice and Invitation to Tender under item T1.1.4.
3.4.1	Communication by e-mail is not permitted after submission of tender.(Only technical and document enquiry communication before date of tender closing is accepted).
3.5	The Services shall be executed in the Service Provider's own office and on the Project site as described in C3.2.2 Project description. 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.
3.6	Omit the following: “... within two (2) years of completion of the Service ...”.
3.11.1	<p>Period of Performance shall be sub dividable in separate target dates according to the programme to be submitted in terms of clause 3.14 hereof.</p> <p>A Penalty amount of R500 per day will be applicable per target date, to a maximum equal to R15 000, after which the contract may be terminated.</p>
3.14	<p><u>For fees stipulated as “value based” in C2.1 Pricing Instructions, C2.1.1.1:</u></p> <p>Programme:</p> <p>A programme for the performance of the Service shall be submitted by the Service Provider, identified as the principal agent in terms of C3.5.1 Service Providers, to the departmental project manager, within a period of two (2) weeks following the briefing meeting.</p> <p>The programme will be the result of the co-ordination of all appointed Service Providers' inputs and shall be in sufficient detail describing key milestones, events and activities linked to the fastest realistic timeframes in which the Service can be delivered. Milestones and events are to be listed based on the Scope of Services described in part C3 of the various appointed Service Providers' tender documents and presented in bar chart format. No milestones may, at the co-ordination stage, be extended beyond the timeframes outlined in C3.2.2.3 Project Programme</p>

	<p>without acceptable reasons. The programme thus compiled and presented by the principal agent must be counter-signed by all appointed Service Providers as proof that the programme was agreed upon by all during the said co-ordination action.</p> <p>The Employer retains the right to negotiate such submitted programme with the principal agent in consultation with the appointed Service Providers, if required, to promote the interest of the project.</p> <p><u>For fees stipulated as “time based” in C2.1 Pricing Instructions, C2.1.1.1:</u> Project Execution Plan (PEP): A PEP for the performance of the Service shall be submitted by the Service Provider, to the departmental project manager, within a period of two (2) weeks following the briefing meeting.</p> <p>In the event of the Employer not being satisfied with the submitted PEP, the Parties will negotiate in good faith towards a PEP that will be agreeable to both. Such an agreed-upon PEP will form the basis for the management of the appointment and remuneration purposes. Should circumstance change from the initial briefing, the Service Provider and the Employer will negotiate a revised PEP to satisfy such change(s). Should the Parties fail to reach agreement on the PEP or revised PEP, the matter will be dealt with in terms of clause 12.1.2 of the General Conditions of Contract. Should the mediation process fail, the Contract will be deemed to have been mutually terminated and any reasonable fees accrued at that stage settled by the Employer.</p>
4.1.1	<p>Briefing meeting: The departmental project manager shall arrange a briefing meeting, compulsory for all appointed Service Providers, as soon as practicable after the appointment of the professional team as referred to in C3.5.1 Service Providers, or after the appointment of the core members of the professional team required to commence with the Services if not appointed at the same time, during which meeting the departmental project manager, together with any supporting advisors, will verbally brief the professional team comprehensively regarding the requirements of the project and the Scope of Services and hand over, to the Service Providers, all documentation relevant to the execution of the Service.</p>
4.4	Others providing Services on this Project are as listed in C3.5.1 Service Providers.
5.4.1	Minimum professional insurance cover of R3,0 million, with the first amount payable not exceeding 5% of the value of indemnity, and/or personal liability – all as more comprehensively described in C1.2.3 Data provided by the Service Provider and in respect of which the Service Provider must provide data as required.
5.5	<p>The Service Provider is required to obtain the Employer's prior approval in writing before taking any of the following actions:</p> <ol style="list-style-type: none"> 1. Travelling for which payment will be claimed, as defined in C2.1.7 Travelling and subsistence arrangements and tariffs of charges; 2. Deviate from the final programme as per the programme in clause 3.14 above; 3. Deviate from the programme (delayed or earlier); 4. Deviate from or change the Scope of Services; 5. Change Key Personnel 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 in clause 3.14 above (see C3 Scope of Services, C3.6 Brief).
8.4.3 (c)	The period of suspension under clause 8.5 is not to exceed two (2) years.
9.1	Copyright of documents prepared for the Project shall be vested with the Employer.
12.1.2	Interim settlement of disputes is to be by mediation.
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).
12.2.4 /	Final settlement is by litigation.

12.3.4	
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.
13.4	Neither the Employer nor the Service Provider is liable for any loss or damage resulting from any occurrence unless a claim is formally made within 5 years from the date of termination or completion of the Contract.
13.5	The amount of compensation is unlimited.
13.6	The provisions of 13.6 do not apply to the Contract.
14.4	In the first sentence, change "... period of twenty four months after ..." to "... period of thirty six months after ...".
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 no1 of 1999).

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 or partnership named in C1.1 Form of Offer and Acceptance by the tendering Service Provider.
5.3	The authorised and designated representative of the Service Provider is the person named in the resolution PA-15.1 by the tendering Service Provider.
5.4.1	<p><u>Indemnification of the Employer</u></p> <p>I, the undersigned, being duly authorized by the Service Provider, in terms of the completed resolution</p> <p>.....(Name of authorized person)</p> <p>hereby confirm that the Service Provider known as:</p> <p>.....(Legal name of entity tendering herein)</p> <p>tendering on the project:</p> <p>.....</p> <p>.....(Name of project as per C1.1 Form of offer and acceptance)</p> <p>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, (i) accepts herewith full liability for the due fulfilment of all obligations in respect of this Service; and (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</p>

	<p>omissions in its performance on this Contract.</p> <p>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>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>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> <p>NAME:</p> <p>CAPACITY:</p> <p>SIGNATURE:</p>																																			
7.1.2	<p>As an extension of the definitions contained in clause 1 hereof, Key Persons must, for the purposes of this Contract, include one or more of the professionally registered principal(s) of the Service Provider, and/or, one or more professional(s) employed to render professional services, for whom certified copies of certificates or other documentation clearly proving current professional registration with the relevant council, including registration numbers, must be included with the tender as part of the returnable documentation.</p> <p>The Key Persons and their jobs / functions in relation to the Services are:</p> <table border="1"> <thead> <tr> <th>Name</th><th>Principal and/or employed professional(s)</th><th>Specific duties</th></tr> </thead> <tbody> <tr><td>1.</td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td></tr> <tr><td>6.</td><td></td><td></td></tr> <tr><td>7.</td><td></td><td></td></tr> <tr><td>8.</td><td></td><td></td></tr> <tr><td>9.</td><td></td><td></td></tr> <tr><td>10.</td><td></td><td></td></tr> </tbody> </table>			Name	Principal and/or employed professional(s)	Specific duties	1.			2.			3.			4.			5.			6.			7.			8.			9.			10.		
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7.2	A Personnel Schedule is not required.																																			

If the space provided in the table above is not sufficient to describe the **specific duties**, this space may be utilized for such purpose:

C2: PRICING DATA

C2.1 Pricing Instructions

C2.1.1 Basis of remuneration, method of tendering and estimated fees

C2.1.1.1 Professional fees for Geo-Tech Engineering Services will be paid on percentage basis as specified in clause C2.1.3

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.

C2.1.1.2 **Tenderers are to tender:**

A percentage of the estimated fees (in the event of the basis for remuneration being indicated above as a “value based” fee)

or

The different rates for the different categories in C2.2.3 Activity Schedule for Time Based Fees, column (c) (in the event of the basis for remuneration being indicated above as a “time based” fee)

all as set out below.

C2.1.2 Remuneration for **Geo-Tech Engineering Services**

C2.1.2.1 **Professional fees shall be calculated as follows for Services rendered by the Service Provider:**

- **In the event of the basis for remuneration being a “value based” fee, the percentage of the normal fees tendered in “C2.2.2 Activity Schedule for Value Based Fees”, column (b), plus Value Added Tax, all according to the provisions under C2.1.3;**

or

- **In the event of the basis for remuneration being a “time based” fee, the different rates tendered for the different categories in “C2.2.3 Activity Schedule for Time Based Fees”, column (c), multiplied by the actual number of hours spent plus Value Added Tax, all according to the provisions under C2.1.4.**

C2.1.2.2 The amount tendered herein (C1.1) is for tender purposes only and will be amended according to the application of the value fee scale *vis-à-vis* the actual cost of construction (if basis of remuneration has been set at “value based” according to C2.1.1.1) or the actual number of hours for each level (if basis of remuneration has been set at “time based” according to C2.1.1.1).

C2.1.2.3 Reimbursable rates for typing, printing and duplicating work and forwarding charges as set out under C2.1.6 herein will be paid in full, irrespective of the percentage or rates tendered as referred to in C2.1.1.2 and C2.1.2.1 above.

C2.1.2.4 **Disbursements in respect of all travelling and related expenses** including all travelling costs, time charges and subsistence allowances related thereto **will not be paid for separately.** **Tenderers must make provision for and include all such costs in their tender when calculating the percentage or rates as described in C2.1.1.2 above.**

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. All costs in this regard will be deemed to be included in the applicable fees as stated in C2.1.1.1.

C2.1.2.5 All fee accounts must be accompanied by an updated original written certification by the quantity surveyor, if appointed, 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 according to the correct fee scale, read in conjunction with this Contract.

- C2.1.2.6 All fee accounts need to be signed by a principal of the Service Provider and submitted in original format, failing which the accounts will be returned. Copies, facsimiles, electronic and other versions of fee accounts will not be considered for payment.
- C2.1.2.7 For all Services provided on a time basis, time sheets giving full particulars of the work, date of execution and time duration, should be submitted with each fee account.
- C2.1.2.8 Payments to the Service Provider will be made electronically according to the banking details furnished by the Service Provider. Any change in such banking details must be communicated to the departmental project manager timeously. 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.
- C2.1.2.9 Accounts for Services rendered may be submitted on the successful completion of each stage of work. Interim accounts will only be considered during the construction stage of the works and then not more frequently than quarterly except if otherwise agreed between the authorised 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.

C2.1.3 Value based fees

- C2.1.3.1 Fees for work done under a value based fee
Where value based fees are payable (if basis of remuneration has been set at "value basis" according to C2.1.1.1), the Service Provider will be remunerated for Services rendered, subject to the provisions in C2.1.2 above and subject to the specific terms and conditions stated below and elsewhere in this document, in accordance with the **National Department of Public Works Scope of Engineering Services and Tariff of Fees for Persons Registered in terms of the Engineering Profession Act**. This document is referred to as the "2010 NDPW - Scope of Engineering Services and Tariff of Fees" hereinafter and is appended as appendix A. This tariff of fees will be payable for the full Period of Performance.
- C2.1.3.2 Normal services
The fee for normal services shall be the tendered percentage based on the fee provided in the 2010 NDPW - Scope of Engineering Services and Tariff of Fees, clause 4.2.
- Where the Service Provider is required to perform a portion of the normal services only, the relevant portion of the fee shall be paid.
- C2.1.3.3 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 applicable portion of the net amount of the accepted tender, or
 - if no tender is accepted, the net amount of the applicable portion 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 the negotiated price, or
 - if no tenders are invited or if no suitable tenders are received or if no negotiation is concluded, the estimate. The estimate shall be the one accepted by the Employer as representing the value of the works, which for purposes of interim payments will be deemed to be 80% of the engineers estimate or if appointed, 80% of the quantity surveyors estimate.
- C2.1.3.4 Fees for documentation for work covered by a provisional sum
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. The fee shall relate to the type of documentation drawn up by the civil engineer in respect of each section of such work.

- C2.1.3.5 Time charges for work done under a value based fee
Where time charges are payable according to clause 3.2 of the 2010 NDPW - Scope of Engineering Services and Tariff of Fees as amended in C3.3.2 (if basis of remuneration has been set at "value based" according to C2.1.1.1), the principles as described in the 2010 NDPW - Scope of Engineering Services and Tariff of Fees, clause 4.4, and the rates set out below, will be applicable.
- C2.1.3.5.1 Time charges are reimbursable at rates applicable at the time of the actual execution of the specific service. The "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Employer's Website: <http://www.publicworks.gov.za/> under "Documents"; "Consultants Guidelines"; item 1.
- C2.1.3.5.2 The scale of fees on time charges, on which Value Added Tax is excluded, shall be at the following rates per hour, rounded off to the nearest rand: (see Table 8 of "Rates for Reimbursable Expenses" for the actual amounts calculated in accordance with the principles laid down below):
- (i) registered professional principals*: 18,75 cents for each R100,00 of the total annual remuneration package attached to the lowest notch of a level 13 salary range (Director) in the Public Service;
 - (ii) registered professionals*: 17,5 cents for each R100,00 of the total annual remuneration package attached to the lowest notch of a level 12 salary range (Deputy Director second leg) in the Public Service;
 - (iii) registered technicians**: 16,5 cents for each R100,00 of his/her **gross annual remuneration**; provided that this hourly rate shall not exceed 16,5 cents for each R100,00 of the total annual remuneration package attached to the lowest notch of a level 11 salary range (Deputy Director first leg) in the Public Service.
- *(includes professional architects, professional quantity surveyors, professional engineers, professional technologists [engineering], professional planners and professional construction project managers)
- **(includes professional technicians [engineering] professional senior technologists [architectural], principal technologists [architectural] and technical planner).
- Hourly rates calculated in terms of (i), (ii) and (iii) above shall be deemed to include overheads and charges in respect of time expended by clerical Personnel which shall, therefore, not be chargeable separately.
- C2.1.3.5.3 Unless otherwise specifically agreed in writing, remuneration for the time expended by principals in terms of C2.1.3.5.2 (i) above on a project shall be limited to 5 per cent of the total time expended for time charges in respect of the Project. Any time expended by principals in excess of the 5 per cent limit shall be remunerated at the rates determined in (ii) or (iii) above.
- C2.1.3.5.4 Notwithstanding the above, where work is of such a nature that Personnel as described in C2.1.3.5.2 (iii) above are capable of performing such work, it shall be remunerated at that level and not at the rates described in (i) and (ii) above, irrespective of who in fact executed the work.
- C2.1.3.5.5 Gross annual remuneration in C2.1.3.5.2 (iii) above shall mean basic salary and guaranteed annual bonus; fringe benefits not included in basic salary; income benefit, as determined from time to time by the South African Revenue Services for income tax purposes, for the private use of a motor vehicle by the employer; employer's contribution to pension/provident fund, medical aid and group life assurance premiums; Compensation Fund and Unemployment Fund contributions, Metropolitan Council levies and any other statutory contributions or levies; all other costs and benefits as per conditions of appointment but excluding any share of profit and payment for overtime.
- C2.1.3.5.6 The salaries referred to in C2.1.3.5.2 (i) to (iii) above can change from time to time, which will, therefore, change the rates applicable. These rates will, however, only be adjusted on the first day of each calendar year irrespective of any changes in salary ranges during the relevant year. The rates applicable at the time of the execution of the work as set out in Table 8 of the "Rates for Reimbursable Expenses", as amended from time to time, may be claimed.

C2.1.3.6 Additional Services

C2.1.3.6.1 Additional Services pertaining to all Stages of the Project

Unless separately provided for hereunder and scheduled in the Activity Schedule, no separate payment shall be made for the additional services specified in Section G and Government Gazette applicable. The cost of providing these services shall be deemed to be included in the value based fee tendered for normal services.

C2.1.3.6.2 Construction monitoring

The construction monitoring requirements are as specified in Section G and Government Gazette applicable

(a) If Level One, part time, monitoring has been specified then no separate payment shall be made for construction monitoring staff as specified in Section G and Government Gazette applicable or for the transport of the monitoring staff as specified in Section G and Government Gazette applicable. The cost of providing construction monitoring staff and transport shall be deemed to be included in the value based fee tendered for normal services.

(b) If Level Two, full time, monitoring has been specified then provision shall be made in the Activity Schedule for the envisaged site staffing requirements as specified in Section G and Government Gazette applicable. The unit of measure shall be the rate per calendar month (pro rata for part of a month). Payment shall only be applicable for the period actually established on site and shall in no instance be prior to the date of official handover of the Works to the Contractor or after the date of issue of the Certificate of Completion for the Works contract. The rates tendered for the relevant site staff shall include full compensation for all costs including, inter alia, the following:

- Salary
- Additional allowances
- Bonuses
- Leave and sick leave
- All company contributions such as provident fund, group life benefits, medical aid etc.
- Levies
- Office equipment
- Relocation cost and accommodation
- Travelling
- Handling cost and profit.

Payment for personnel shall exclude any periods of leave or sick leave. Time sheets for staff shall be included in the monthly fee account submitted to the Employer for payment. Replacement of staff as a result of any extended period of leave or sick leave outside of the normal contractor's year end break shall be to the approval of the Employer.

No separate payment shall be made for the transport of the construction monitoring staff as specified in Section G and Government Gazette applicable and the cost of the transport shall be deemed to be included in the monthly rate tendered for the provision of the staff.

C2.1.3.6.3 Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

No separate payment shall be made for the service specified in Section G and Government Gazette applicable. The cost of providing this service shall be deemed to be included in the value based fee tendered for normal services.

C2.1.3.6.4 Quality Assurance System

No separate payment shall be made for the implementation of a quality management system as specified in Section G and Government Gazette applicable. The cost of providing this service shall be deemed to be included in the value based fee tendered for normal services.

C2.1.3.6.5 Lead Consulting Engineer

No separate payment shall be made for assuming the leadership of an Employer specified joint venture, consortium or team of consulting engineers as specified in Section G and Government Gazette applicable. The cost of providing this service shall be deemed to be included in the value based fee tendered for normal services.

C2.1.3.6.6 Principal Agent of the Client

No separate payment shall be made for assuming the role of principle agent of the Employer if specified in Section G and Government Gazette applicable. The cost of providing this service shall be deemed to be included in the value based fee tendered for normal services.

C2.1.3.6.7 Environmental Impact Assessment

No separate payment shall be made for the service specified in Section G and Government Gazette applicable. The cost of providing this service shall be deemed to be included in the value based fee tendered for normal services.

C2.1.3.6.8 Other unspecified services

The Employer may order duties that fall outside the scope of the project as tendered. Such additional duties may involve, but not limited to:

- Additional design requirements
- Evaluation of alternative tenders
- Additional investigations during the Defects and Liability Period
- Diverse other services

Any such additional services that may be required will be remunerated on a Time Basis. The level of expertise necessary for any such additional work shall be concomitant with the issues to be addressed. The category of personnel necessary to undertake the work shall be approved by the Employer. Any additional identified service shall be fully scheduled and submitted to the Employer for approval prior to the commencement thereof.

C2.1.4 Time based fees

C2.1.4.1 Fees for work done under a time based fee

Where time based fees are payable (if basis of remuneration has been set at "time basis" according to C2.1.1.1), the principles as described in clauses 4.4 (1), (2) and (3) of the 2010 NDPW - Scope of Engineering Services and Tariff of Fees, excepting that the rates referred to in clause 4.4 (3) shall be replaced by the various rates per hour tendered for the various categories in C2.2.3 Activity Schedule for Time Based Fees, column (e). These rates will be used for the full Period of Performance.

C2.1.4.2 The various categories (referred to in C2.2.3 Activity Schedule for Time Based Fees, are the categories described in clauses 4.4 (2) of the 2010 NDPW - Scope of Engineering Services and Tariff of Fees.

C2.1.4.3 Work will be remunerated for at the category level in which it falls as defined in C2.1.4.2 above, irrespective of whether the person who in fact executed the work functions at a higher category of responsibility and competence.

C2.1.5 Set off

The Employer reserves the right to set off 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.

C2.1.6 Typing, printing and duplicating work and forwarding charges

C2.1.6.1 Reimbursable rates

The costs of typing, printing and duplicating work in connection with the documentation which must of necessity be done, except those which must in terms of the relevant Manual or other instructions be provided free of charge, shall be reimbursable at rates applicable at the time of the execution of such work. The document "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Employer's Website: : <http://www.publicworks.gov.za/> under "Documents"; "Consultants Guidelines"; item 1.

C2.1.6.2 Typing and duplicating

If the Service Provider cannot undertake the work himself, he may have it done by another service provider which specialises 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.

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".

Typing and 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.

The typing of correspondence, appendices and covering letters are deemed to be included in the value based fees and time based fees paid.

C2.1.6.3 Drawing duplication

(a) For drawing duplication the standard rate as set out in Table 2 in the "Rates for Reimbursable Expenses" may be claimed **or** may be claimed according to the provisions as in (b) or (c) below.

(b) If the Service Provider undertakes the duplication of drawings, using his own duplication equipment, he shall be paid the actual cost incurred on condition that it is not higher than the lowest of three quotations of local firms doing drawing duplication in his locality. Such quotations must accompany his account.

(c) If the Service Provider does not undertake his own drawing duplication, he shall be paid the lowest of three quotations of local firms doing plan printing in his locality. Such quotations must accompany his account.

(d) Should there not be three firms doing drawing duplication in his locality, it must be mentioned on his account and the available quotation(s) must then accompany the account.

(The cost of providing all polyester negative prints required to form part of the original set of drawings, as-built drawings including computer assisted drawing records for all facets/disciplines involved in the project are included in the tendered fees and will not be reimbursed separately.)

C2.1.6.4 Forwarding charges

(a) Only the charges in respect of the forwarding of parcels by courier or air freight on special request by the Employer will be refunded, provided that such charges will not be refunded if the request had been made as a result of a delay caused by the Service Provider.

(b) The cost of postage, facsimile transmissions, telephone calls, e-mails, etc, is deemed to be included in the value based fees and time based fees paid.

C2.1.7 Travelling and subsistence arrangements and tariffs of charges

Notwithstanding the ruling in C2.1.2.4 above (regarding disbursements and travelling expenses which will not be paid separately), when the Service Provider is requested in writing by or obtained prior approval in writing from the Employer to attend specific meetings at any of the Employer's offices or any extraordinary meetings on site or elsewhere, he will be remunerated according to the provisions under C2.1.7.1 to C2.1.7.5 herein.

C2.1.7.1 General

The most economical mode of transport is to be used taking into account the cost of transport, subsistence and time. Accounts not rendered in accordance herewith may be reduced to an amount determined by the Employer.

As the tariffs referred to hereunder are adjusted from time to time, accounts must be calculated at the tariff applicable at the time of the expenditure.

Where journeys and resultant costs are in the Employer's opinion related to a Service Provider's mal-performance or failure, in terms of this Contract, to properly document or co-ordinate the work or to manage the Contract, no claims for such costs will be considered.

- C2.1.7.2 Travelling time
Fees for travelling time are as set out in Table 8 in the "Rates for Reimbursable Expenses".
- Fees are payable for travelling time at the tariff, as set out in C2.1.3.5 Time charges for work done under a value based fee. Travelling time will be fully reimbursed.
- C2.1.7.3 Travelling costs
Fees for travelling costs are as set out in Table 3 in the "Rates for Reimbursable Expenses".
- Travelling costs will be refunded for the full distance covered per return trip measured from the office of the Service Provider appointed.
- Compensation for the use of private motor transport will be in accordance with the Government tariff for the relevant engine swept volume, up to a maximum of 3000 cubic centimetres, prescribed from time to time and as set out in Table 3 in the "Rates for Reimbursable Expenses".
- C2.1.7.4 Hired vehicles
In cases where use is made of hired vehicles, the most economical sized vehicle available is to be used but compensation shall nevertheless be restricted to the cost of a hired car not exceeding a capacity of 1600 cc. Where use of a special vehicle is essential (e.g. four track or minibus to accommodate more people), prior approval in writing must be obtained from the departmental project manager.
- C2.1.7.5 Subsistence allowance
The subsistence allowances are as set out in Tables 4 and 5 in the "Rates for Reimbursable Expenses".
- Only actual costs are payable in respect of absence from office of less than 24 hours.
- Should the daily tariff as set out in Table 4 be inadequate, substantiated actual costs plus a special daily allowance as shown in Table 5 for incidental expenses, may be claimed. It must be noted that claims may only be according to Table 4 or Table 5. Accommodation should be limited to the equivalent of a three star hotel and no alcoholic beverages or entertainment costs may be claimed for.
- C2.2 Activity Schedule**
- C2.2.1 Activities
- C2.2.1.1 The tenderer must make provisions for all activities necessary for the execution of the services(s) as set out in the applicable Government Gazette and as further deemed necessary to undertake the works to all deliverable stages.

Untunjambili Hospital site layout and floor plans

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