

KWAZULU-NATAL DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT

Quotation No: R/S/1920/1671

SUPPLY, DELIVER, DRILL, TEST AND EQUIP SLATTEN HOEK BOREHOLE IN DANNHAUSER MUNICIPALITY – AMAJUBA DISTRICT

NAME OF BIDDER	₹:			

	COMPULSORY SITE BRIEFING DETAILS
DATE	04/03/2020
MEETING VENUE	AGRICULTURE LOCAL OFFICE
MEETING ADDRESS 12 CHURCH STREET DANNHAUSER LOCAL OFFICE	
MEETING TIME	
START TIME	11;00 AM

1. PRE-QUALIFICATION CRITERIA

REQUIREMENT-CIDB Grading: 1 CE, ME OR GB

Evaluation will be in terms of the 80/20 preference point system

For more information, please contact the following official:

For: Technical Enquiries:

Mr K.S Hlongwa

076 947 1644 /082 3393 110

For: Quotation/SCM enquiries:

Ms Bongie Mbokazi

033-343 8312

CLOSING DATE: 13 MARCH 2020 TIME: 11:00 AM



INVITATION OF QUOTATION ABOVE R30,000.00

THIS FORM SHOULD BE COMPLETED IN DETAIL AND SHOULD BE ACCOMPANIED BY A $\underline{\mathsf{VALID}\;\mathsf{TAX}}$

COMPLIANCE STATUS PIN AND VALID BBBEE VERIFICATION CERTIFICATE/AFFIDAVIT VALIDITY PERIOD OF QUOTATION...... Days QUOTATION NUMBER: R/S/1920/1671 (To be completed by the Supplier) CLOSING DATE:03/03/2020 **CLOSING TIME:11H00** DESCRIPTION(SPECIFICATION/S) OF ITEMS/ COMPANY NAME: SERVICE REQUIRED: SUPPLY, DELIVER, DRILL TEST AND TEL NO: **EQUIP SLATTEN HOEK FARM BOREHOLE IN** FAX NO: **DANNHAUSER MUNICIPALITY-AMAJUBA DISTRICT SEE ATTACHED SPEC** CONTACT PERSON: **CSD REG NUMBER** MAAA..... DOES OFFER COMPLY WITH SPECIFICATION? (DELETE WHICH EVER IS NOT APPLICABLE) DOES ARTICLE COMPLY WITH SABS SPECIFICATION? YES/NO HAS IT BEEN INSPECTED BY SABS? YES/NO (DELETE WHICH EVER IS NOT APPLICABLE) DELIVERY PERIOD AFTER INITIAL ORDER? IS THE PRICE FIRM WHERE ARE THE STOCK HELD? (PHYSICAL ADDRESS, PLEASE) QUOTATION PRICE INCLUDING VAT TOTAL: R (VAT TO BE ADDED BY REGISTERED VAT VENDORS ONLY) COMPANY OFFICIAL STAMP (COMPULSORY) SIGNATURE OF BIDDER DATE NUMBER OF PAGES FAXED BACK TO THE DEPARTMENT BY(Supplier to complete) THE SUPPIER

NB: QUOTATIONS MUST BE DEPOSITED IN THE BID BOX SITUATED AT: THE DEPARTMENT OF AGRICULTURE & RURAL DEVELOPMENT: 4 PIN OAK AVENUE HILTON

FOR THE ATTENTION OF: BONGI MBOKAZI TELEPHONE NUMBER: 033-343 8312

NB:.THE ATTACHED SBD4 & SBD9 FORMS MUST BE COMPLETED .THIS QUOTATION COVER PAGE MUST BE COMPLETED AND RETURNED WITH ALL YOUR QUOTATION DOCUMENTS.

COMPANY NAME ADDRESS

CONTACT PERSON CONTACT NUMBER :

FAX NUMBER

	DESCRIPTIO N OR SPECIFICATI		UNIT PRICE		TOTAL PRIC	E
LINE NO.		REQUIRED QUANTITY	R	С	R	С
Supply, deliver, drill, test and equip Slatten hoek farm borehole in Dannhauser Municipality:See specification attached	Specification attached	1				
	* LABOUR (I	F APPLICABLE)			
	*DELIVERY (F APPLICABLE				
*ONLY APPLICABLE TO VAT REGI	STERED SUPPL	IERS 15% VA		DTAL		
			TOTAL P	RICE		

*VAT Registration No. (Suppli	er)
When Required (Requester):	08 October 2019
Where Required (Requester):	Local Office- 12 Church street Dannhauser
Contact details of requester:	N.D Mkhize
TEL (COMPULSORY) COMPANY STAMP	PRICES ARE VALID FOR DAYS



SITING, DRILLING, TESTING, EQUIPPING OF BOREHOLES – GENERATOR POWERED

12 August 2019

DISTRICT	Amajuba District Municipality
NAME OF BOREHOLE	Slootenhoek farm
CO - ORDINATES	G 050 50 551
	S: 27° 59,751

This document contains:

E: 030° 01,024

No.	Section	Pages
1	A - Project Particulars	2
2	B – General Conditions of Contract	3-6
3	C - Project Technical Specifications	7-10
4	Bill of Quantities	11
5	ANNEXURE A: Work Phase Schedule	
6	ANNEXURE B : Additional Information	

A - PROJECT PARTICULARS

1) PROJECT DESCRIPTION / BACKGROUND

The project covers the siting, drilling and equipping of1.... Bore Hole

2) LOCATION

#	NAME OF PROJECT	DISTRICT	PROJECT DISTANCE (Km's) FROM NEAREST TOWN	NAME OF NEAREST TOWN	PROJECT CO_ORDINATES (if available)
1	Mooi-plaas farm	Amajuba	36km from Newcastle	Newcastle	S: 27° 59,751' E: 030° 01,024'

For exact location see attached map(s) or directions to be provided at site briefing.

3) GENERAL SCOPE OF WORKS

The contract covers the supply of all professional services, drilling, testing and equipping of borehole(s). The following scope of works for the drilling and equipping of boreholes is applicable with the expected deliverables and must be in accordance with "MINIMUM STANDARDS AND GUIDELINES FOR GROUNDWATER RESOURCE DEVELOPMENT FOR THE COMMUNITY WATER SUPPLY AND SANITATION PROGRAMME, DWAF, 1997": Details of these works are specified in Section C: Project Technical Specifications.

- **Desktop Assessment:** The co-ordinates of the boreholes must be plotted on GIS map coverage and assessed for the probability of ground water. Geology, hydrogeology and existing borehole information needs to be presented.
- **Geophysical Assessment:** The physical site must be surveyed with a Magnetometer and other survey equipment to determine the apparent conductivity of the subsurface. The geophysical data must provide a clear indication of groundwater potential. For production borehole siting, an alternate target must be provided.
- **Drilling:** The appropriate drilling must be done according to the ground conditions and to the appropriate depth based on the geophysical method employed and the geology intercepted during the drilling. The Drilling method must be suited to the geological environment i.e. Air Percussion, Mud Rotary Percussion, Symetrix, Odex
- Yield Testing and Determination of Sustainable Yield: Boreholes yielding > 0.3 L/s must be subjected to a SDT (4 steps of 1 hr duration and maximum of 4 hours recovery or 95% recovered) and a CDT (24 hr constant test and maximum of 24 hr recovery or 95% recovered). The determination of the sustainable yield must be calculated with scientific methods that are proven in industry.
- Sampling and water quality analysis: It will be acceptable to collect a water sample during the CDT discharge test when the borehole is adequately purged, with sample bottles supplied

by an accredited laboratory. The water sample will be analysed for SANS 241 (2015) Drinking Water Standards (Abbreviated Analysis), which includes bacteriological analysis. This means that water samples will need to be received by the laboratory within 24 hrs of collection.

- Equipping The borehole is to be equipped with a quality SABS approved pump carrying a minimum of a 12 month quality guarantee. The pump specifications will be guided by the sustainable yield, hydraulic head conditions and the water requirements at the site.
- Reporting All technical information and results obtained and derived during the course of the investigation needs to be compiled into a comprehensive scientific report.
- Strength of concrete 20MPa for the tank stand footings, concrete bases.
- Tank Stand Galvanised 3m tank stand to carry a 5000L JoJo Water Tank.
- Water troughs 2 X 500L Jojo Drinking troughs (Secured with galvanised frame)
- Water supply Tap stand with stand encased in concrete and pvc piping, secured to concrete block 1.2m X 1m X 200mm with adequate gradient to allow for runoff away from the water collection point.

B - GENERAL CONDITIONS OF CONTRACT

1) COMPETENCY

Geohydrological services are to conform to the standards detailed in the "Minimum Standards and Guidelines for Groundwater Resource Development for the Community Water Supply and Sanitation Programme" by the Department of Water Affairs and Forestry, 1997. The consultant / organization must be registered and recognized for their proficiency in hydro-geological services. The following must be submitted with the tender submission:

- Valid proof of registration with the South African Council for Natural Scientific Professions (SACNASP) must be attached
- Registered and paid up members of the Ground-water Association of Kwa-Zulu Natal must supply a copy of their membership details

The bidders' competence and reliability will be evaluated according to the proof of previous works indicated in Annexure B.

COMPETENCY OF THE CONTRACTOR

2) CONTRACTOR TO PROVIDE EVERYTHING NECESSARY

The Contractor shall provide everything necessary for the proper execution of the Works according to the true intent and meaning of the Drawings and Specification taken together. The Contractor shall provide without extra charge all assistance and everything reasonably necessary for proving the quality of work done as may be required by the Engineer.

3) SUB-CONTRACTED WORK

The Appointed Contractor shall **not sub-contract the whole** of the contract. In case the Contractor decides to subcontract part of the work he shall obtain written consent of the Engineer. Any such consent shall not relieve the Contractor from any liability or obligation under the contract and he shall be fully liable for the acts, defaults and neglects of any sub-contractor, his agent or employees. The Contractor remains fully responsible and accountable for all aspects of the work (quality, timelines and budget).

4) VARIATIONS / 'AS BUILT' DETAILS

No variations or alterations may be made without the prior approval of the Regional Engineer. As the work progresses, the Contractor shall keep full records of all amendments to and deviations from the specifications as issued to the Contractor at the start of the contract. These details will, where appropriate, be noted on the supplied drawing. All alterations will be deemed to have a zero additional cost implication. If any additional works are required that have an additional cost implication then these must first be authorized in writing by the Regional Engineer. Refer to Clause 41: Ancillary Materials, Services And Equipment.

5) VERIFICATION OF EXPERIENCE

The Bidder will be required to produce adequate and sufficient references to enable the Department to inspect previously completed projects and assess the capacity of the Bidder. The Bidder shall provide such information in **Annexure B - Additional Information**.

PRICING AND PAYMENT STRUCTURES

6) FIXED RATE CONTRACT

The contract shall not be subject to contract rate (unit price) adjustment. Bidders must therefore allow for increased cost for the contract duration, including possible delays in awarding the Bid in accordance with the validity period. The tendered rates will be applied for calculating the payment value by using the actual quantities as measured and certified by the engineer at completion of the work.

7) PRICING

The Bidders will be required to Bid for all services, products and commissioning as specified in this document and associated plans. Partial bids will not be accepted. If a Bidder does not Bid on all items, his/her Bid may be rejected.

All prices tendered are to be in South African currency. All prices must exclude Vat. Vat of 15% must be added in the pricing summary.

- All items as described in the project specification are to be priced in full.
- Prices to exclude VAT.
- The costs for travel, accommodation, all associated disbursements and labour must be included in the rates/amounts tendered for the all the works required.
- Transport/Delivery costs must be included in the pricing. It must not be a separate item.
- VAT must be filled in as the sub total followed by the complete price for the entire project.
- The tendered price must have your company stamp, date and be signed by an authorised person.

8) QUANTITIES OF WORK

The Contractor shall receive payment only for the works actually executed and approved by the Engineer. No claim for an extra or for any addition, or for any variation shall be entertained unless such extra, addition or variation was ordered in writing by the Head of Department.

9) PROGRESS PAYMENTS

- .1 The contractor may submit claims for progress payments only on completion of the hereunder listed levels. Payment shall only be paid for claims, which are commensurate with the works actually executed and complete. NOTE: Payment will only be made against the construction progress as pertaining to built items. Movable items and materials on site are excluded from progress payments until they have been fully installed, fitted or built up.
- .2 If any item or part of an item in an invoice is disputed by the Engineer, the Engineer shall give notice of such with reasons.
- .3 The contractor shall be paid in monthly instalments <u>up to a maximum</u> of five (5) or one (1) per borehole if more than 5 boreholes are awarded through a single order. Refer to ANNEXURE B: Work Phase Schedule for Drilling and Equipping of a Borehole for the values of each phase. Please note these values are primarily estimates of what part the work phase constitutes of the entire project, and do NOT reflect the exact amounts paid per payment. Usually payment certificates reflect work done in several work phases, which have not necessarily all been completed. Verification of the % complete will be at the sole discretion of the Engineer.
- .4 ANNEXURE F presents a **pro forma payment certificate**. This will be used in conjunction with ANNEXURE B (Work phase schedule). The latter provides an approximate maximum to prevent over-payment of items that have been clearly over-priced.
- .5 Part payments will be made after the Department has approved the completion of each construction phase.

Should the Contractor fail to apply in writing for an extension within the time set out above, or should the Department refuse to grant any extension in writing, then the Contract period provided by sub-clause (a) of this clause shall not be exceeded.

When the Works are completed the Department will give a completion certificate and the date of such certificate shall be the date of commencement of the guarantee period.

15) TIME TO BE OF THE ESSENCE

Time shall be considered as the essence of the Contract. If, therefore, the Contractor fails to commence work or the Works or to proceed with and complete the Works in compliance with the projected timeframes, then the Head of Department shall have the right in his/her absolute discretion to adopt and exercise all or any of the following courses wholly or partly, viz: -

- To direct the Contractor, in writing, on any day named therein to suspend and discontinue the execution of the Works, and to withdraw himself and his workmen from the said Site or Sites, and thereupon: -
- To make any Contract or Contracts by calling for Bids or otherwise with any other Contractor
 or Contractors for the completion of the Works, or any part thereof, at such times and upon
 such terms as to the Department shall deem best.
- To provide such number of men, or purchase such materials, or both provide the men and purchase the materials as to him shall seem fit and proceed with and complete the said Works.

In relation to the foregoing provisions the Department shall charge any sums of money which may be paid by the Department for completing the said Contract against the Contractor and if such amount shall exceed this Contract, then the Department shall have the right to recover such excess or any balance thereof from the Contractor by legal proceedings.

16) WORK SCHEDULE & PROGRESS PAYMENTS

The contractor is to supply a Gantt chart with the proposed times of completion of each phase. The progress payments suggested in *ANNEXURE B* serve as a <u>guideline</u> for part payments. However, the contractor, in consultation with the Engineer, may deviate from this as long as the claim does not exceed the actual progress made.

C) PROJECT TECHNICAL SPECIFICATIONS

1) SPECIFIC SCOPE OF WORKS

To Facilitate the Siting, Drilling, Testing and Equipping of boreholes as indicated in Section A: Project Particulars, clause 1.

- a. Geohydrological Desktop study, Geophysical survey (instruments) and selection of drilling target.
 - Geohydrological services are to conform to the standards detailed in the "Minimum Standards and Guidelines for Groundwater Resource Development for the Community Water Supply and Sanitation Programme" by the Department of Water Affairs and Forestry 1997. The consultant / organization must be recognized for their proficiency in hydro-geological services.
 - Study and interpretation of published geological and hydro-geological maps,
 - aerial photography and ortho photos (if available)
 - Interrogation of available existing databases National Groundwater Archive (NGA) and the Groundwater Resource Information Project (GRIP) and WARMs
 - The siting of a potential groundwater borehole position must be preceded by the pre-feasibility desktop study to maximise the success rate within the most cost effective and productive manner. Drilling targets need to be identified based on scientific methods and offering the greatest potential success in terms of yield and access.
 - Geophysical borehole siting is to be conducted utilizing a minimum of two
 methods by an experienced hydro-geological consultant / team Geophysical
 techniques include but are not limited to:
 - Magnetic surveys
 - Frequency domain electromagnetic surveys
 - Gravimetric surveys
 - Electrical resistivity surveys
 - Seismic refraction surveys
 - More than one potential position is required per project, based on whether or not the geophysical results show good potential for ground-water. The minimum requirements are as follows:
 - Production application: a minimum of two (2) potential positions (pegs) required per project.

Geophysical techniques include but are not limited to:

b. Drilling of boreholes.

• The drilling contractor will function under the direct and full-time on-site supervision of the hydro-geological consultant (unless otherwise specified). The hydro-geological consultant will be responsible for guiding the borehole construction for all aspects of that construction, inclusive of technical and management aspects. The hydro-geological consultant will be required to verify and document the construction parameters of the borehole as well as to log the geological formation encountered in that borehole.

Drilling method	Geological formation for drilling method used
Rotary air percussion	All consolidated rock formations
	(with limited overburden)
ODEX / Symetrix	In all formation
Rotary mud flush	In extensive unconsolidated soil
	formation

- c. Pump Test, Water Sampling and laboratory water analysis.
 - The test pumping contractor will function under the direct supervision of the hydro-geological consultant (unless otherwise specified). The hydro-geological consultant will be responsible for the required instruction and on site supervision of the testing of the borehole and for all aspects of the testing of that borehole, inclusive of technical and management aspects. The hydrogeological consultant will be required to verify, document and interpret test results and make borehole utilisation and pumping recommendations. Payment shall be made according to the type of test performed and per borehole tested. Test pumping will typically be as follows:
 - Step test (4 x 1 hr duration and 4 hrs maximum recovery or 95% recovered, 24 hour constant discharge test (CDT) and associated recovery (of maximum 24 hrs of 95% recovered)
 - Groundwater sampling during the CDT with laboratory supplied containers and submission within 24 hrs for a SANS 241: 2015 Drinking Water Standards Abbreviated Analysis.

d. Equipping of boreholes.

- The hydro-geological consultant will be required to verify, document and interpret test results and make pump and pumping recommendations. The pump specifications will be guided by the sustainable yield, hydraulic head conditions and the water requirements at the site.
- The borehole will be equipped with the recommended submersible pump powered by the recommended power supply i.e. Generator
- Proposed SVM Franklin Pump, Motor 1.1Kw and Control Box 1.1Kw (or equivalent to be discussed with Engineer before installation), supplied by 4mm X 4 core electric cable and secured with heavy duty nylon ski-rope.
- Generator 6.5 Kva with combination battery powered and pull start
- 3m Galvanised Tank Stand secured with 20MPa concrete footings (500 mm X 500 mm X 500 mm).
- 5000L Jojo tank braced with 4mm wire ties to tank stand
- 2 X 500L Jojo drinking troughs secured to the ground with 50mm X 50mm X 2mm galvanised frame. Frame to be secured in the ground with concrete footings.
- Tap and tap stand secured in concrete and pvc piping 800mm above the concrete slab.
- Concrete slab is to be 15Mpa (1.2m X 1m X 200mm). The slab is to be recessed 50mm below natural ground level and runoff must drain away from the water collection point.
- Supply (rising main) and delivery lines is to be 32mm HDPE class 10 (SABS approved), 100 m supply from borehole and a maximum of 200 m delivery to water points.
- Trenching for piped water supply to be 600mm deep by 300 mm wide
- Fittings control valves must be visited on both independent supply lines from the Jojo tank to the drinking troughs and the tap. The drinking troughs are to be further fitted with control valves before the float valve.
- The borehole pump will be secured in a concrete ring. Galvanised lockable lid
 to be used to secure control box and pump (Alternative to be discussed with
 Engineer prior to any installations). The ring or lid to be fitted with ease of use
 lockable box which houses plug lead to prevent the continuous opening and
 closing of the lid.
- All operation and service manuals to be supplied on commissioning.

e. Testing and commissioning of boreholes.

A complete operational test will be performed of the borehole pump and all
associated pipes and fittings. The Geohydrologist will be required to be present
on site to verify proper functioning of the borehole and to commission each
project.

f. Technical Report.

 The PSP will compile a comprehensive technical report based on the findings and results of the investigation. This would include the outcomes of the desktop review, geophysical investigation, drilling and testing data, analysis and interpretation, equipping and reticulation design.

2) MATERIALS AND CONSTRUCTION

All materials must conform to SABS specifications for the products. This includes all items such as piping, HDPE fittings, tank stands, reservoir tank, all other fittings, borehole pump and control box, etc.

All construction works must conform to the applicable standard specifications and installation requirements as per NBR requirements and manufacturers recommendations. All concrete works to conform to Cement & Concrete Institute standards and recommendations.

STANDARD CONCRETE MIXES: (Class B concrete Slabs and footings)

Mixing, pouring and curing of concrete: SABS 1200 GA (5.4)

Materials: SABS 1200 AA (3); SABS 1200 GA (3)

Cement: Common cement 32,5N or R to SANS 50197-1

Testing: SABS 1200 AA (7); SABS 1200 GA (7)

Quality control through the slump test SABS 1200 GA (5.4.1.2) SABS method 862. The contractor

is to supply the slump testing equipment.

Tolerances to SABS 1200 GA (6.4)

Formwork: Refer to SABS 1200 GA (4.4; 5.2)

Reinforcing: SABS 1200 GA (5.1)

Refer to standard concrete mixes specification.

STANDARD CONCRETE MIXES:

Concrete for non-structural purposes shall be "Prescribed mix concrete" produced in accordance with the requirements indicated in table 5.1, and the Contractor is also referred to the foregoing preambles insofar as they apply: -

Class of	Estimated	Maximum	Prop	ortion of Cons	tituents
Concrete	Minimum Compressive Strength in MPA at 28 Days	Nominal Size of Coarse Aggregate in mm	Cement (Parts)	Fine Aggregate (Parts)	Coarse Aggregate (Parts)
Α	10	37,5	1 (=2 bags)	4	5
В	15	19,0	1 (=2 bags)	3	4
С	20	19,0	1 (=2 bags)	21/2	3½
D	25	19,0	1 (=2 bags)	2	3
E	30	19,0	1 (=2 bags)	2	21/2

Cement and aggregates shall be mixed by volume and the contents of a 50kg sack of cement shall be taken to be 0,033m³. Water addition should be kept to a minimum. Only sufficient water should be used to produce a workable mix of 60-100mm slump. A recommended maximum water: cement ratio is 1 for a 10Mpa; 0.8 for a 15Mpa; 0.65 for a 20Mpa; 0.59 for a 25Mpa; 0.53 for a 30Mpa mix, however the lower the ratio the better the durability of the concrete. Approximately 210 litres per m³ of concrete is required for an average quality sand and optimum quantity 19mm stone.

Payment Referenc e	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	PRE-FEASIBILITY DESKTOP STUDY	project	1		
2	GEOPHYSICAL BOREHOLE SITING To include travel, accommodation, travel time and all related disbursements. DRILLING SUPERVISION	project	1		
3	Full-time supervision for a field hydrogeologist. To include travel, accommodation, travel time and all related disbursements.	day	2		
4	TESTING SUPERVISION Full-time supervision for a field hydrogeologist. To include travel, accommodation, travel time and all related disbursements.	day	2		
	EQUIPPING				
5	Site monitoring by hydrogeologist. To include travel, travel time and all related disbursements.	day	1		
6	REPORTING				
	Inclusive of professional time and all associated disbursements. Technical report in a word format, to detail study approach, results, recommendation complete with all geophysical data, drill log, test data and applicable maps and photographs.	No.	1		
7	COMMISSIONING				
	Commissioning of project with Departmental Engineer, Extension Departmental Officer and community participants. To include travel, accommodation, travel time and all related disbursements. PROJECT MANAGEMENT	Project	1		
8	To include professional fees for overall management of the project and disbursements for communications,	Project	1		
9	printing etc. SUBMISSION OF INFORMATION TO EMPLOYER All borehole data needs to be sent to DWS	Project	1		
10	in a specified format Community Liaison Deployment of a social scientist to facilitate discussions with Office of the Speaker, ward Cllrs and community leaders to ensure proper planning and implementation	Project	1		

SUB TOTAL	
ADD: 15% VAT	
TOTAL CARRIED FORWARD	

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

2.

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.

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 o 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.

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¹"State"	means	_
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- (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.

Please	e clearly indicate, with an 'X' only one box that is applicable to your business or firm
2.7	Are you or any person connected with the bidder presently employed by the state? YES NO
2.7.1	If so, furnish the following particulars:
	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 YES NO
	the appropriate authority to undertake remunerative work outside employment in the public sector?
	If yes, did you attach proof of such authority to the bid document?
	(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.)
2.7.2.1	If no, furnish reasons for non-submission of such proof:
	S. Sens

2.8	Did you or your spouse, or any of the company's directors /	YES NO
	trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months?	
2.8.1	f 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.	
•••	- 155	•••••
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,	• •	
*** 55.53		• • • • • • • • • • • • • • • • • • • •
2.11	Do you or any of the directors / trustees / shareholders / members	YES NO
	of the company have any interest in any other related companies whether or not they are bidding for this contract?	
2.11.	1 If so, furnish particulars:	
2211112		000

MANUSORO MITTER DELIMINARIA I OF MORGODIOMENTA	TOTALL DETERMINE

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

Signature

Full Name	Identity Number	Personal Income Tax Reference Number	State Employee Number / Persal Number
4 DECLARATION			
I, THE UNDERSIGNED (NAM	ME)		***************************************
CERTIFY THAT THE INFO CORRECT. I ACCEPT THAT THE STATI DECLARATION PROVE TO	E MAY REJECT THE		
Name of bidder		748 . .	Position

Date

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids¹ invited.
- 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 *per 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.
- 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 bidrigging.
- In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:
- 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.

SBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:		
(Bid 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 ofthat:		
(Name of Bidder)		

- 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 bid invitation;
 - (b) could potentially submit a bid 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 bid.
- 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.
- 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

OFFICIAL BRIEFING SESSION/SITE INSPECTION CERTIFICATE

TO THE BID.
Site/building/institution involved:
Bid No:
Service:

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:

N. B.: THIS FORM IS ONLY TO BE INCLUDED AND COMPLETED WHEN APPLICABLE

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SBD 6.2

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2011, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1 Preferential Procurement Regulations, 2011 (Regulation 9) makes provision for the promotion of local production and content.
- 1.2. Regulation 9.(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for bids referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on http://www.thedti.gov.za/industrial development/ip.jsp at no cost.

- 1.6 A bid may be disqualified if -
 - (a) this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation; and
 - (b) the bidder fails to declare that the Local Content Declaration Templates (Annex C, D and E) have been audited and certified as correct.

2. Definitions

- 2.1. "bid" includes written price quotations, advertised competitive bids or proposals;
- 2.2. "bid price" price offered by the bidder, excluding value added tax (VAT);
- 2.3. "contract" means the agreement that results from the acceptance of a bid by an organ of state:
- 2.4. "designated sector" means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content:
- 2.5. "duly sign" means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility(close corporation, partnership or individual).
- 2.6. "imported content" means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour or intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
- 2.7. "local content" means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
- 2.8. "stipulated minimum threshold" means that portion of local production and content as determined by the Department of Trade and Industry; and
- 2.9. "sub-contract" means the primary contractor's assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
- 3. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

	Description of services, works or goo	ds Stipulated minimum threshold
		%
		0/
	,	%
		%
4.	Does any portion of the services, w have any imported content? (Tick applicable box)	vorks or goods offered
	YES NO	
4.1	prescribed in paragraph 1.5 of the	e used in this bid to calculate the local content as general conditions must be the rate(s) published by 2:00 on the date of advertisement of the bid.
The	relevant rates of exchange information	n is accessible on <u>www.reservebank.co.za</u> .
	ate the rate(s) of exchange against the x A of SATS 1286:2011):	e appropriate currency in the table below (refer to
	ency	Rates of exchange
	Pollar	
	nd Sterling	
Euro		
Yen		
Othe	Г	
NB: I	Bidders must submit proof of the SARI Were the Local Content Declaration as correct? (Tick applicable box)	B rate (s) of exchange used. Templates (Annex C, D and E) audited and certified
	YES NO	
5.1.i	f yes, provide the following particulars	ii a
(t (c	Telephone and cell number:	
	(Documentary proof regarding the c satisfaction of the Accounting Office	declaration will, when required, be submitted to the er / Accounting Authority)
П	ninimum threshold for local content th	allenges are experienced in meeting the stipulated to display the informed accordingly in order for the dto O/AA provide directives in this regard.

LOCAL CONTENT DECLARATION (REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICE LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RE (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)	r THE CHIEF
IN RESPECT OF BID NO.	••••
ISSUED BY: (Procurement Authority / Name of Institution):	
NB	•
1 The obligation to complete, duly sign and submit this declaration canno to an external authorized representative, auditor or any other third party act the bidder.	t be transferred ing on behalf of
Quidance on the Calculation of Local Content together with Local Content Templates (Annex C, D and E) is accessible on	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE:	DATE:
WITNESS No. 1	DATE:
WITNESS No. 2	DATE:

SATS 1286.2011 Total Imported Note: VAT to be excluded from all calculations content (C19) Total exempted imported content (C23) Total Imported content (C24) Total local content (CZ5) Average local content % of tender Tender summary (218) Total tender value (C21) Total Exempt Imported content (CZZ) Total Tender value net of exempt imported content (C17) (C20) Total tender value Tender ş Local Content Declaration - Summary Schedule content % (per Item) (C15) Local value (C14) **Annex C** GBP Imported value Calculation of local content (C13) Tender value exempted imported content net of (C12) 급 Exempted imported value (211) Fender price -(excl VAT) (070) Pula List of items Signature of tenderer from Annex B (8) Specified local content % Fendering Entity name: Tender Exchange Rate: Designated product(s) Tender description: Fender Authority: Tender item Tender No. s,ou 8 Date:

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						Annex D							
		65 ox 168		Imported (Content Declarati	on - Suppo	orting Sche	dule to Ani	nex C			3 14 19	
1) 2) 3)	Tender No. Tender descript Designated Proc	iucts:]					Note: VAT to be all calculations	excluded from	n		
9	Tender Authorit Tendering Entity	name:	Pul		ī .	U R 9.00	☐ GB	P R 12.00	3				
9	Tender Euchang					NAME OF TAXABLE PARTY.		100000000000000000000000000000000000000	i impartati erate			A	
	A. Exempted imported content					Forign	Described.	Lakumnono	imported conto	All tocally	- American II		3um
	Tender Item no's	Description of I	mported content	Local supplier	Overseas Supplier	corrency value as per Commercial Involce		Local value of Imports	Freight costs to port of entry		Total landed	Tender Qt	Exe
	(07)	- (1	28)	(D9)	(D10)	(011)	(D12)	(013)	(014)	(D15)	(D16)	(D17)	
						1	-	1		(D)	19) Total exempt		
		27.										This total n Ad	idst co inex C
4	B. Imported	directly by th	e Tenderer			Forign		Calculation of	imported conte	nt		APP	Sumn
	Tender Item no's	Description of in	nported content	Unit of measure	Oversees Supplier	currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to part of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Total
	(D20)	(D)	2)	(D22)	(D23)	(D24)	(025)	(025)	(D27)	(D28)	(029)	(D30)	
ŀ													
ŀ													
-												-	-
ŀ													
	(032) Total Imported value									e by tenderer			
1	C. imported by a 3rd party and supplied to the Tenderer					影响的		Catculation of	imported conten				Sunini
		mported content	Unit of measure	Local supplier	Oversees Supplier	Forign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of Imports	Freight costs to port of entry	Aff locally incurred landing costs & duties	Total landed cost excl VAT	Quantity Imported	Total i
F	(0	33)	(034)	(D35)	(D35)	(037)	(D38)	(039)	(040)	(D41)	(042)	(D43)	
t													
Ŀ													
+													
(D45) Total in								al imported value	by 3rd party				
1	. Other foreign currency payments				Calculation of fereig grayment							j	/ Si
	Type of	payment	local supplier making the payment	Overseas beneficiary	Foreign currency value paid	of Exchange							Loc
F	(D	46)	(047)	(D48)	(D49)	(050)						F	
F												F	
												-	_

SATS 1286,2011

Annex E

	Aimex								
Local Co	ontent Declaration - Supporting	Schedule to Annex C	PLANT.						
Tender No. Tender description: Designated products: Tender Authority:		Note: VAT to be excluded fr	om all calcu						
Tendering Entity name: 1 ocal Products {Goods, Services and	Description of items purchased	Local suppliers	Value						
Works)	(E6)	(E7)	(E8)						
96			(60)						
(E9) Total local products (Goods, Services and Works)									
(E10) Manpower costs (Tend	lerer's manpower cost)								
(E11) Factory overheads (Renta	al, depreciation & amortisation, utility costs, co	onsumables etc)							
	nd mark-up (Marketing, insurance, financi	_							
	(warkeing, madiance, maile)								
	a a	(E13) Total local content This total must correspond with	Annex C -						
Signature of tenderer from Annex B			All Lands						
A THE STATE OF THE PARTY OF THE									

Date: