

QUOTATION PAGE

QUOTATION NUMBER: R/S/1819/636	VALIDITY PERIOD OF QUOTATION: 90 Days
CHIEF USER: 700A	CLOSING DATE:12/10/2018
REQUEST NO: ETHEK 2018-24	CLOSING TIME:11:00
DESCRIPTION(SPECIFICATION/S) OF ITEMS/ SERVICE REQUIRED: SUPPLY, DELIVER AND INSTALL	COMPANY NAME:
SERVICE REQUIRED: SUPPLY, DELIVER AND INSTALL IRRIGATION SYSTEM LAVENGA PROJECT	Tel NO:-
	FAX NO:
	CONTACT PERSON:
	CENTRAL SUPPLIERS DATABASE NO:
	(To be completed by the supplier)
DOES OFFER COMPLY WITH SPECIFICATION?	YES/NO
DOES ADTICLE COMMUNICATIONS	(DELETE WHICH EVER IS NOT APPLICABLE)
DOES ARTICLE COMPLY WITH SABS SPECIFICATION? HAS IT BEEN INSPECTED BY SABS?	YES/NO YES/NO
	(DELETE WHICH EVER IS NOT APPLICABLE)
IS THE PRICE FIRM?	
DELIVERY PERIOD AFTER INITIAL ORDER	
DELIVERY PERIOD AFTER SUBSEQUENT ORDER	
WHERE ARE STOCK HELD? (PHYSICAL ADDRESS)	
QUOTATION PRICE EXCLUDING VAT	TOTAL: R
QUOTATION PRICE INCLUDING VAT (VAT TO BE ADDED BY REGISTERED VAT VENDORS ONLY)	TOTAL: R
COMPANY OFFICIAL STAMP (COMPULSORY)	
COMMINICAL STRAIN (COMMINICALINA)	NAME OF BIDDER
	SIGNATURE OF BIDDER
	DATE
NUMBER OF PAGES FAXED BACK TO THE DEPARTMENT BY THE SUPPLER	(Supplier to complete)

NB: Quotations must be deposited in the bid box situated at Department of Agriculture and Rural Development, Supply Chain Management, 1 Cedara Road, Cedara, 3200 Tel: (033) 343 8225/ 033 355 9184

COMPANY NAME
ADDRESS:
CONTACT PERSON
CONTACT NUMBER:
FAX NUMBER:

LINE NO.	DESCRIPTION OR SPECIFICATION OF ITEM	REQUIRED QUANTITY	UNIT PRICE EXCL. VAT		TOTAL PRICE	
	(Please be very specific and clear)		R	С	R	С
	To supply, deliver, offload material & install irrigation system to Lavenga Project at Izotsha (20 km from Port Shepstone)					
1	See attached design & bill of quantities.					
	* LABO	OUR (IF APPLIC	ABLE)			
	*DELIV	ERY (IF APPLIC	CABLE)			
			TO	DTAL		
*ONLY	APPLICABLE TO VAT REGISTERED S	SUPPLIERS 15	5% VAT			
			TOTAL P	RICE		

	TOTAL PRICE	
*VAT Registration No. (Supplier) When Required (Requester): 01 August Where Required (Requester): Lavenga I Contact details of requester: AN Cwel TEL : 076821 (COMPULSORY) COMPANY STAMP DAYS	t 2018 Project in Izotsha area 20 km from Port le / AN Nzimakwe	•••••••••••••••••••••••••••••••••••••••





agriculture & rural development

Department: agriculture & rural development
PROVINCE OF KWAZULU-NATAL

BID SPECIFICATION FOR THE

SUPPLY, DELIVERY AND INSTALLATION OF IRRIGATION SYSTEM FOR LAVANGA FARM

- 1. This document must be read in conjunction with Drawings (See Table of Contents). If the contractor has the impression that the information provided in the drawing(s) and the technical specifications/Schedule of quantities contradict each other or are perceived to be ambiguous, (s)he should point this out to the Engineer and ask for clarification at an early stage, but not later than before the commencement of any implementation. The same applies for purported differences between the technical specifications and schedule of quantities.
- 2. The TSS/Engineering Services (TES) takes no responsibility for projects implemented on the basis of this document alone without any prior involvement of TES before (partial) completion. This involvement consists of, but is not necessarily restricted to:

a. Signing off of the bid/quote document and Drawings by TES;

- b. Presence of TES at the handover of the site to the contractor and at the commencement of the work. The contractor is to make sure that TES is informed of his/her intention to commence the work so that TES presence can be assured.
- c. Supply to the contractor by TES of A3 sized plans. The drawings supplied with this document are for quoting/bidding purposes only and no implementation should take place before the contractor has received the bigger sized plans.
- d. Regular site inspections by TES and the processing of invoices on the basis of achieved progress.
- 3. District managers and other departmental end users are therefore required to involve TES at the earliest possible stage, i.e. during PPC meetings or before submission of the request memo is submitted.

Table of Contents:

No.	Section	Pages	Read/ Complete
1	Cover Page	1	Read
2	A - Project Particulars	2	Read
3	B - General Conditions of Contract	2 - 4	Read
4	C - Project Technical Specifications	5 - 7	Read
5	ANNEXURE A: Irrigation Layout drawing	8	Read
6	ANNEXURE B: Pump house drawing	9	Read
7	ANNEXURE C: Pricing Summary	10 - 11	Complete
8	ANNEXURE D: References & Evaluation of bids	12 - 13	Complete







A) PROJECT PARTICULARS



1) SCOPE

The contract covers the supply of all irrigation material including pump unit, pump house, piping, fittings and full installation of irrigation system for this project.

2) ACCESS TO SITE

The site is in the Ugu district, the closest town is Gamalakhe. The co ordinates are: 30 46' 07" S, 30 23' 18" E.





B) GENERAL CONDITIONS OF CONTRACT



1) BIDDERS TO CHECK COMPLETENESS OF DOCUMENT

The bidder is required to check the number of consecutively numbered pages and should any found to 1.1 be missing or in duplicate, or the text of figures indistinct, or should there be any doubt or obscurity as to the meaning of any part of these documents, the bidder must ascertain the true meaning or intent of the same prior to the submission of his/her tender, as no claims arising from any incorrect interpretation will be admitted.

2) VALIDITY

All prices must be valid for a period of four months (120 days) from the closing date of the tender.

3) FIXED PRICE CONTRACT

3.1 The contract shall not be subject to contract price adjustment. Bidders must therefore allow for any price increases during the contract duration, including possible delays in awarding the tender in accordance with the validity period.

4) PRICING (SEE ANNEXURE C - PRICING SCHEDULE)



- All items as described in the project specification are to be priced in full. If a bidder does not 4.1 tender on all items, his/her tender may be rejected.
- 4.2 Per item prices to exclude VAT.
- 4.3 Transport/Delivery costs must be included in the pricing. It must not be a separate item.
- 4.5 The tendered price must have your company stamp, date and be signed by an authorised person.

5) PENALTY CLAUSE

Refer to the breach of contract and penalty clauses in ZNT 6, condition 4, section B. 5.1

6) GENERAL

- 6.1 An amount of R111,000 excluding VAT has been allocated for the purpose of any ancillary work and for any material that may have been omitted but is required to implement the structure (See Annexure C item 4.1). As there may be surplus material due to possible adjustments in the design, these items will be credited prior to the use of this amount. Please note that any un-scoped work or unlisted materials must be motivated for and is for the written approval of the Departmental Engineer.
- 6.2 This amount is for reimbursement for additional works only and is based on supporting documentation including the original supplier's invoices which must be supplied to substantiate the claims (A 10% markup will be allowed). This amount is thus not automatically part of the contract amount but will only be available for works and/or materials that are not in the specification but are necessary for contract completion.

7) WARRANTY

7.1 All workmanship must carry a warranty of one year from the date of completion and handover of the works

8) APPLICABLE STANDARDISED SPECIFICATIONS

For the purpose of this Contract the relevant SABS/SANS specifications shall apply. All materials to 8.1 be SABS/SANS approved and installed to applicable standards specified by SABS or the manufacturer.

9) PAYMENTS

All deliveries are to be checked by a departmental representative prior to installation and certified 9.1 accordingly. No payment will be made separately for the supply and delivery of materials only. Payments will only be made after the relevant phase has been completed and inspected by the Engineer. The maximum number of payments will be 10.

10) RETENTION

A 15% retention will be withheld on payment for the first two construction phases. The Department 10.1 will pay out two-thirds of this retention, or 10% of tender value, as part of the third payment, at practical completion of the works. The remainder, viz 5%, will be paid out at final completion after expiry of the defect liability period (90 days after practical completion), the bidder having eliminated all defects.

11) SERVICE LEVEL AGREEMENT

The successful bidder and the Department will sign a Service Level Agreement prior to commencement of works.

12) SITE FACILITIES AVAILABLE



12.1 WATER AND SERVICES

There is no telephone connection, power or water available on site. The Contractor shall make the necessary arrangements for the provision of water and services required at the contractors own cost.

For unskilled work, the assistance of local farmers can be utilized at the contractor's costs and all negotiations with the community members will be the contractor's responsibility and not the Departments. The contractor will **not** be permitted to employ local skilled labour. He shall provide his own skilled labour.

12.2 LOCATION OF CAMP

The Contractor's camp may be erected on the site of the works. No persons other than a night watchman may sleep in the camp without the approval of the local Nkosi.

12.3 HOUSING OF CONTRACTOR'S EMPLOYEES

No housing is available for the Contractor's employees and the Contractor shall make his own arrangement for housing his employees and transporting them to and from the site. However it may be possible to arrange temporary local accommodation for the contractor's staff with the local Nkosi.

The Contractor is in all respects responsible for the housing and transporting of his employees, and for the arrangement thereof, and no extension of time due to any delays resulting from this, will be granted.

12.4 SAFETY

All safety measures including the provision of the Machinery and Occupational Safety Act (Act 6 of 1983) are to be adhered to.

13) DELIVERY OF MATERIALS

13.1 Material must be delivered within three weeks of receiving an official order, unless the Department indicates that delivery within this period is not desirable due to delays in the project.

14) ABNORMAL RAINFALL

14.1 The Contractor shall keep daily rainfall records and submit it to the Department's representative at every site meeting. No additional payment shall be made for the supply and installation of the rain gauge or for the keeping of the rainfall records and all costs must be included in the scheduled items.

15) 'AS BUILT' DETAILS

15.1 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. No alterations may be made without the written approval of the Departmental Engineer.

16) PROGRAMME

16.1 The work is to be completed **within 2 months of the award of the bid.** The contractor is to supply a work schedule with the proposed times of completion of each phase.





C) PROJECT SPECIFICATION



C.1) DETAILS OF CONTRACT

- The field layout must conform to the design (see Annexure A). However, the Bill of Quantity (Annexure C) attached must be checked and verified by the tenderer. The contractor may, after approval by the departmental representative, make adaptations to the original design if these are deemed to constitute an improvement to the design and will not increase the overall cost of the scheme. These proposed changes must be accepted by the Regional Engineer and be confirmed in writing.
- The irrigation layout must be pegged out by contractor and will be checked by departmental C.1.2 representative. Trenches to be dug using suitable plant or local labour. Minimum trench depth must
- All material to be supplied and delivered to site. Proper security measures must be implemented in consultation with the farmer to safeguard it prior to installation. Alternatively material can be delivered in batches, as and when required. It is the contractor's responsibility to ensure the correct material is delivered and measures are taken to safeguard it until the project is handed over.
- C.1.4 The supply and installation of all irrigation material including pump house and reservoir.
- Surplus material will be retained by the department and should any surplus material be taken by the contractor or material not supplied, payment will be made based on what has been actually used/put in the scheme. All material must be checked by a departmental representative prior to installation and testing. All joints are to be left uncovered for inspection purposes and to be covered after it has been inspected by departmental engineering representative and he/she is satisfied that there are no leaks.
- The scheme must be fully tested and commissioned in the presence of a representative of the C.1.6 Department. The contractor will remain responsible for the scheme including all materials, and the official hand over and final payment will not take place, until such time that the entire scheme is fully functional and all leaks etc have been repaired.
- All necessary concrete thrust and anchor blocks are required for the scheme, for the suction and delivery pipes at the pump.
- C.1.8 The Tenderer will be required to satisfy the Department that a sufficient and experienced skilled and semi skilled labour force is employed or that sufficient experienced labour can be acquired to complete the services and produce a fair quality of workmanship. The Tenderer will be required to submit a list of references/ projects (ANNEXURE D: References) to enable the Department to inspect previously completed work and assess the capacity of the Tenderer. Furthermore the tenderer will be required to source local subcontractors and labour (see C.6.1).
- The tenderer should have a minimum CIDB grading of Level 3SH.

C.2) PIPING

- All piping must be SABS or SANS approved and of the correct class.
- C.2.2 All appropriate fittings are to be supplied including any additional material for unforeseen events.
- C.2.3 Equipment, pipes and other materials which are damaged before or during delivery, or during the testing of the scheme before commissioning, are to be replaced by the contractor at no extra cost to the Department.

C.3) FITTINGS

If the required fitting is not standard, it must be made up but, if consisting of more than one part. priced as one item.

C.4) PUMP AND MOTOR

The pump delivery required is 200m³/h and the total pumping head is 124m for the unit (minimum of 75% efficiency required). The proposed pump performance specification including NPSH and efficiency curves must be supplied with the tender. The tender will not be considered if this information is not attached to the tender.

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- The unit (reputable make) must include a suitable variable speed drive electric motor and be direct coupled to the pump (minimum combined efficiency of 65%). Please state make and model of motor on Annexure C. The pump and engine unit should be securely mounted on a suitable galvanized steel frame and suitably fixed (bolted) to the pump house floor slab using raw bolts.
- The contractor is responsible for the correct alignment of both pump and motor unit. C.4.3
- All necessary fittings, adaptors, reticulation, reducers, pressure gauge, priming funnels, tools etc C.4.4 should be supplied with the unit.
- C.4.5 All electrical, DB's, connections, cabling and accessories to be supplied and connected.
- C.4.6 A neat and accurate drawing indicating the proposed layout of both pumps, motors, pipes and fittings and layout of the works must be provided with the tender proposal.

C.5) PUMP HOUSE

- C.5.1 A suitable block pump house is to be constructed away from the flood zone. The position of the pump house will be indicated by a departmental representative and the bank level will have to be adjusted and checked to match the suction head of the pumps. The suction head is not to exceed 2,5m and this is to be checked prior to construction of pump house. The pump unit must be mounted on a concrete slab using suitable anchor bolts.
- C.5.2 Suitable thrust blocks must also be constructed to anchor suction and delivery pipes.

C.6) LABOUR AND TRAINING

- It is required that the trenching, pipe laying and block laying for pump house be subcontracted to local contractors in order to develop local BEE contractors. In the situation where this is not possible local labor must be used (50% of the total labor value). It is required that the subcontractor be paid every two weeks.
- C.6.2 During pipe laying and installation the local farm workers must be intensively involved and trained on all aspects of the reticulation especially with respect to maintenance. The following extensive training in the operation and maintenance of the scheme must be provided before hand over of the scheme to the beneficiaries:
 - Priming of the pump;
 - Operation and basic maintenance of pump, engine, reservoir and scheme,
 - Achieving of the required sprinkler throws (diameters) and operational pressures through (1) the regulation of fuel quantities in the engine (where applicable) and (2) by regulating the flow-rates with the various valves at various levels (mains and laterals);
 - assembling and disassembling of the main parts of the sprinklers;
 - operation of the mobile elements of the system (hooking up of the suction pipes)
 - identification of leaks and basic repairs:
 - of leaks in above ground sub-laterals with duct tape (temporary): by replacing the broken section with a coupling and/or new piping
 - of leaks in laterals around saddles and through breakage.

C.7) HEALTH & SAFETY

- The Occupational Health and Safety Act, Act 85 of 1993 shall apply to this contract. The Contractor shall comply with the Particular Specification for Occupational Health and Safety. All safety equipment required to construct the facility are for the contractor's responsibility and provisioning. Examples include: safety and protective clothing; sound scaffolding; falsework and bracing; ladders etc... all equipment, tools, offloading and safety equipment are to be in a safe operating condition and all necessary safety procedures are to be adopted where appropriate.
- The Safety of the public must be of prime importance and the utmost care must be taken to ensure that the correct signs, barriers and warning devices are in place. Any movement of construction equipment must be controlled on site at all times.



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The Contractor shall, in preparation of his Health and Safety Plan, familiarise him/herself with emergency services in the location of the Works and with the local infrastructure, e.g. clinics, hospitals, police services, ambulance services, fire protection services and disaster management centres, to such extent that he/she is conversant with these, should the need arise.

Telephone numbers of all emergency services to be permanently displayed at the site camp, in a convenient and prominent position, wherever possible, close to a telephone.

- C.7.4 Should the Contractor at any stage in execution of the Works:
 - a) fail to implement or maintain his health and safety plan;
 - b) execute construction work which is not in accordance with his health and safety plan: or
 - act in any way which may pose a threat to the health and safety of persons, (c)

the Engineer will, by written order, suspend the progress of the Works. The Contractor shall, during such suspension, properly protect the Works so far as is necessary.

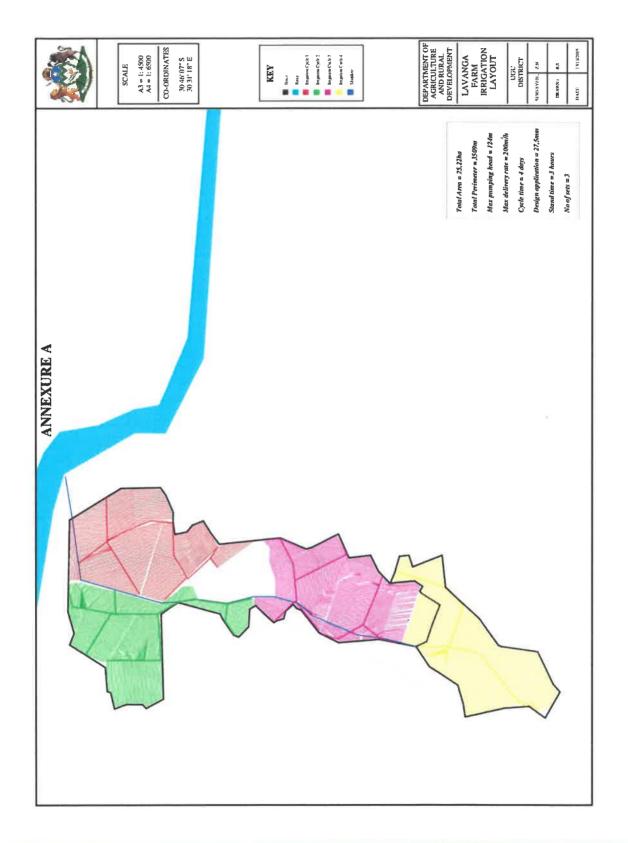
- C.7.5 The Contractor shall provide proof of his registration and good standing with the Compensation Fund, or with a licensed compensation insurer, prior to commencement with the Works.
- C.7.6 The Contractor shall, in submitting his tender, demonstrate that he has made provision for the cost of compliance with the specified health and safety requirements, the Act and the Construction Regulations, all in terms of sub-clause 4(1)h of the Construction Regulations. The costs of compliance shall clearly be demonstrated separately under the appropriate item on Annexure C. 4.2.
- C.7.7 The Contractor shall provide and demonstrate to the Employer a suitable and sufficiently documented health and safety plan, in compliance with the Act and the Regulations, which shall be applied from the date of commencement of and for the duration of execution of the Works.

C.8) COMPULSORY INFORMATION REQUIRED:

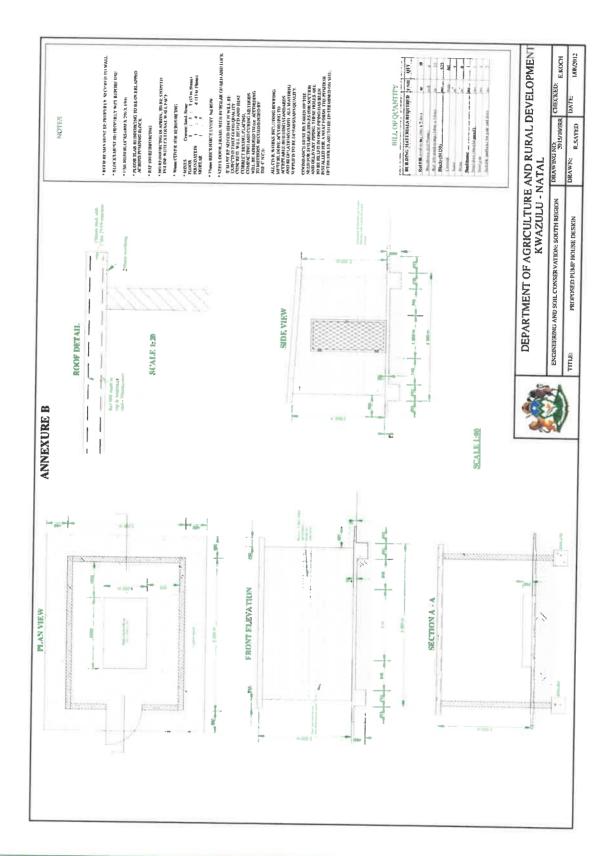
The tenderer is to attach the following information with their tender:

INFORMATION AND DOCUMENTATION	FOR OFFIC	CE USE ONLY
	YES	NO
Annexure C fully completed.		
Annexure D fully completed.		
Proof of CIDB grade.		
All other necessary documents.		











KZN DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT ENGINEERING SERVICES

TEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
NO 1	Piping (must be SABS or SANS approved)				
1.1	200mm uPVC C12 piping (6m lengths)	length	72		
	200mm uPVC C9 piping (6m lengths)	length	25		
1.3	200mm uPVC C6 piping (6m lengths)	length	420		
1.4	160mm uPVC C6 piping (6m lengths)	length	115		
1.5	110mm uPVC C6 piping (6m lengths)	length	107		
1.6	75mm uPVC C6 piping (6m lengths)	length	40		
1.7	40mm LDPE piping (100m rolls)	rolls	296		
1.8	32mm LDPE piping (100m rolls)	rolls	222		
1.9	25mm LDPE piping (100m rolls)	rolls	222		
2	Fittings and connections				
2.1	200mm equal tee	no	14		
	200mm elbow	no	7		
2.3	200mm endcaps	no	1		
2.4	160mm endcaps	no	2		
2.5	110mm endcaps	no	17		
2.6	25mm polyprop endplugs	no	1205		
2.7	200 x 160mm reducer	no	4		
2.8	160x 110mm reducer	no	5		
2.9	110x 75mm reducer	no	3		
2.10	200mm x 40mm saddles	no	1205		
2.11	40mm polyprop male adaptors	no	1205		
2.12	40 x 32mm polyprop reducer coupling	no	2410		
2.13	32 x 25mm polyprop reducer coupling	no	2410		
2.14	40mm damps	no	3615		
2.15	32mm damps	no	4820		
2.16	25mm damps	no	3615		
2.17	Micro sprinklers with 1,1mm nozzle (40/h @10m with medium range swivel)	no	49400		
2.18	1,2mm micro tubes	no	49400		
2.19	Riser stake for sprinklers	no	49400		
2.20	Pegs to anchor sprinklers	no	49400		
2.21	Suitable Control Valves	sum	sum		
2.22	Suitable Disc Filters	sum	sum		
3	Pumphouse, unit and fittings				
3.1	Suitable (Grund/os, KSB or similar approved) variable speed drive pump (124m@200m 3/h)	no	1		
3.2	125KW Electric motor to suit above pump (pump and motor to be directly coupled)	no	1		
3.3	Suitable steel base plate and bolts to mount pump	no	1		
	Pump house material to accommodate above unit (3.6 - 3.18)				
3.4	Suitable steel door with steel frame	no	1		
3.5	Suitable burglar guard for entrance	no	1		
3.6	Padlock, hasp and staple or equivalent	no	2		
3.7	Brickforce (0,075mm) (in rolls)	no	4		
3.8	Ref 888 reinforcing (6,4m x 2,4m) (in square metres)	no	19		
3.9	Ref 100 reinforcing (3,6m x 3,6m) (in square metres)	no	15		
3.10	M150 Blocks	no	550		
3.11	Cement (50kg pockets)	no	60		
3.12	Sand (m ³)	no	7		
3.13	Stone (19mm) (m ³)	no	6		
3.14	8" Galvanized steel pipe, 3m length with flanged ends (including bolts and nuts)	length	3		
3.15	8" Galvanized steel bend, 45 degree with flanged ends (including bolts and nots)	no	2		
3.16	8" Galvanized steel bend, 45 degree with Hanged ends including boxs and nots) 8" Galvanized steel pipe, 2m length with welded flanged end	length	2		
3.17	200mm x 8" flanged adaptor	no	2		



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3.18 8" : 3.19 Floo 3.20 Cor 3.21 Head 3.22 125 3.22.1 Tim 3.22.2 Hig 3.22.3 Pre 3.22.4 Am 3.22.5 Linu 3.22.6 Isol 3.22.7 Cut ele 3.22.8 Suit 3.24 Suit 3.25 Suit 3.26 Suit 3.27 Suit 3.28 Suit 3.29 Suit 3.29 Suit 3.30 Floo 3.31 All 3.32 Thro	Total (excluding VAT)brought foward from previous page ump house, unit and fittitings non-return valve (swing-check valve) omax strainer including footvalve (with flanged end) oncrete (m³) for anchor and thrust blocks eavy duty cabling, 16mm x 4 core (transformer to pumphouse) (metres) 15KW Star Delta starter panel to include (3.22.1-3.22.7) mer, 24hour gh Pressure switch (Klochner Moeller or similar aproved) ressure switch bypass mmeter ne monitor relay olator ubicle with a hinged lockable door (lock provided) to prevent any unauthorised access, colour finished in ectrical orange and to be mounted against the wall. titable cabling (to link starter unit and pump) (metres) litable concentric reducer litable eccentric reducer	no no no length no	1 1 3 100 1 1 1 1 1 1 1		
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3.25 Suit 3.26 Suit 3.27 Suit 3.28 100 3.29 Suit 3.30 Floi 3.31 All 3.32 Thr 3.33 Ext	itable eccentric reducer		10		
3.26 Suit 3.27 Suit 3.28 100 3.29 Suit 3.30 Flor 3.31 All 3.32 Thr 3.33 Extremely support the support to the su		no	1		
3.27 Suit 3.28 100 3.29 Suit 3.30 Floo 3.31 All 3.32 Thr 3.33 Extr	sitable arte value (5")	no	1		
3.28 100 3.29 Suit 3.30 Floi 3.31 All 3.32 Thr 3.33 Extr	treatile Bare Adive (b.)	no	1		
3.29 Suit 3.30 Floo 3.31 All 3.32 Thr 3.33 Ext	uitable air release valve induding fittings (installed)	no	1		
3.30 Flor 3.31 All 3.32 Thr 3.33 Extr	Omm glycerin filled (0 - 1600KPa) Pressure gauge with fittings (fitted near pump)	no	1		
3.31 All 3.32 Thr 3.33 Exti	itable Priming funnel and ball valve (with 1" fittings, to be fitted onto pump for priming purposes)	no	1		
3.32 Thr 3.33 Ext	omax footvalve/strainer	no	1		
3.32 Thr 3.33 Ext Byp	I nuts, bolts and washers including flange gaskets, rubber seals and gaskets required	sum	sum		
Вур	read tape	no	10		
Вур	tra reducers on pipework to suit pump installation	no	sum		
	pass from delivery line to pump (for priming)				
0.01	Omm x 1" cast iron saddle	no	1		
3.35 1" g	galvanized steel pipe, 500mm length (tbe)	no	2		
	galvanized steel elbow (f/f)	no	2		
	galvanized steel pipe, 1m length (tbe)	no	3		
	galvanized steel sockets	no	3		
	galvanized steel pipe, 100mm length (tbe)	no	1		
	mm isolating ball valve (Cobra/RSL" or similar approved with steel lever and full bore)	no	1		
	galvanized nipple (to be welded onto delivery pipe close to pump)	no	1		
	iscellaneous				
-	ncillary support structures, fittings & couplings (inclusive of 10% markup)	sum	sum	R 111 000	R 111 (
	ovision for health & safety (as per healthy & safety act)	sum	sum		
	Oml Tangit PVC glue	no	50		
	cavation, trenching and backfilling		30		
	cavation of 5mx4mx2.5m deep platform for pumphouse (check & match NPSH of pump unit to lowest level)	sum	sum		
	gging of trench to 600mm depth (300mm wide)	metre	4700		
910	ckfilling of trenches after pipelay and inspection	metre	4700		
	bor	meste	7100		
	pelay and installation	no	sum	T	
	Imp house construction and concrete work	no	sum		
1 407	other labor incl off loading of material	no	sum		
- 1	ansport	no no	JMIII		
	l transport incl delivery of materials, site visits, transport of labor etc	no	sum		
··· [AII]		110	30111		
-	Total (excluding VAT)				

Bid specification	for the suppl	y and installation o	f irrigation at	LAVANGA farm



Please Note: It is co Failure to do so will re				with yo	ur bid.	
A) Previous work expe	rience:					
Have you completed p		nature in the p	past 5 years?		YES	NO
Preference will be give	-		-		t is therefore i	n your own
interest to provide rel	evant information a	as requested b	elow.			
B) List no more than 5						
Name of Project	Project Value	Referen	ce/Contact	Contact	Number	Project size
1						
2						
3						
4						
5						
Community garden (1- No of ha's Drip irrigation (specia	5ha) [] Irrigation [] No of ha	n scheme (5-5 a's vot(s) [] Po	0ha) [] Ir [] N	rigation s Io of ha's		litation [] [] Other []
Community garden (1- No of ha's Drip irrigation (specia No of ha's	5ha) [] Irrigation [] No of ha list) [] Centre piv [] No of ha	n scheme (5-5 a's vot(s) [] Po s [] M	Oha) [] Ir [] Nortable syste No of ha's	rigation s lo of ha's ms [] [] (Tick th	No of ha	litation []
Community garden (1- No of ha's Drip irrigation (specia No of ha's D) In what capacity we	5ha) [] Irrigation [] No of ha list) [] Centre piv [] No of ha	n scheme (5-5 a's vot(s) [] Po s [] M	Oha) [] Ir [] N ortable syste No of ha's	rigation s lo of ha's ms [] [] (Tick th	No of ha	litation []
Community garden (1- No of ha's Drip irrigation (specia No of ha's D) In what capacity we Contractor	5ha) [] Irrigation [] No of ha list) [] Centre piv [] No of ha re you involved in to	n scheme (5-5 a's vot(s) [] Po s [] N the irrigation p	Oha) [] Ir [] Nortable syste No of ha's Projects?	rigation s lo of ha's ms [] [] (Tick thupply onl	No of ha	litation []
Community garden (1- No of ha's Drip irrigation (specia No of ha's D) In what capacity we Contractor S E) What was your role	5ha) [] Irrigation [] No of hallist) [] Centre piv [] No of halling re you involved in the irrigation pro-	n scheme (5-5 a's vot(s) [] Po s [] M the irrigation p Employee	Oha) [] Ir [] Nortable syste No of ha's Projects? Material side	rigation s lo of ha's ms []	No of had ne appropriate	litation []
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Community garden (1- No of ha's Drip irrigation (specia No of ha's D) In what capacity we Contractor E) What was your role Owner of business	Sha) [] Irrigation [] No of had list) [] Centre piv [] No of had re you involved in the irrigation product of the irrigation pr	n scheme (5-5a's vot(s) [] Po s [] N the irrigation p Employee Diects (Tick th	Oha) [] Ir [] Nortable syste No of ha's Projects? Material side	rigation s lo of ha's ms []	No of had ne appropriate	litation []
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Community garden (1-No of ha's Drip irrigation (specia No of ha's D) In what capacity we Contractor E) What was your role Owner of business F) Capacity to design a Which option mostly a 1) I currently have one	5ha) [] Irrigation	n scheme (5-5a's vot(s) [] Po s [] N the irrigation p Employee Diects (Tick th led labourer projects ployed by my	Oha) [] Ir	rigation s lo of ha's ms []	No of had ne appropriate by Other: Other:	litation [] [] Other [] box) Yes / No
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Date

Signed by:

Company stamp

KZN DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT ENGINEERING SERVICES

CIDB grading	Score
Level 1	2
Level 2	4
Level 3	6
Level 4	8
Level 5 or higher	10
Ecoci o di Iligina	1
No of previous irrigation projects over the past 5 years	Score
1-2	5
2-5	10
5-10	15
10-15	20
15 or more	25
Total ha's of irrigation installed over the past 5 years	Score
0-20	5
20-50	10
50-100	15
100-200	20
over 200	25
VIG. 200	
Capacity of involvement	Score
Irrigation contractor or irrigation sub contractor	10
Experienced employee	6
Other type of contractor	4
Irrigation material supply only	2
Role played in irrigation contract	Score
Specialist or bona fida irrigation company	10
Irrigation installer	8
Skilled labour/Foreman	6
General labour	2
	+
Capacity to design and install irrigation	Scor
Specialist irrigation company that can survey, design and install irrigation projects	20
Specialist or bona fida irrigation company covering drip, centre pivots, portable etc	20
Currently have one or more teams employed by my company that can install irrigation	16
Access to temporary labourers with irrigation experience which I will employ	12
I will have to source labourers to install the irrigation who will require training	8
I plan to source an experienced irrigation sub-contactor to install the irrigation	4
Category parameters may be adjusted if the number of qualifying contractors in a particular either too high or too low	category
Guide to determine level of irrigation contractor	
Level 1 contractor score 1 to 25	
Level 2 contractor score 25 to 40	
Level 3 contractor score 40 to 70	
Level 4 contractor score more than 70	
Guide to determine level of contractor required for project	Leve
0 - 1ha	1
1 - 5ha	2
- 175	+
5 - 50ha	3

DECLARATION OF INTEREST

- 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 a price quotation, advertised competitive bid, limited bid or proposal). 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):
2.4	Company Registration Number:
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

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.

below.

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.

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 the appropriate authority to undertake remunerative work outside employment in the public sector?	YES / NO
2.7.2.1	If yes, did you attached 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	.9.1lf so, furnish particular							
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?							
2.10.1	If so, furnish particulars.							
	3							
0 W	o you or any of the director for the company have any in the ther or not they are bides so, furnish particulars:	nterest in any other related		YES/NO				
3 Fu	Il details of directors / tru	ustees / members / shar	eholders.					
F	'ull Name	Identity Number	Personal Reference	Tax Number	State Number Number	Employee / Persal		

4 DECLARATION

Position	Name of bidder
Signature	Date
I ACCEPT THAT THE STATE MA	N FURNISHED IN PARAGRAPHS 2 and 3 ABOVE IS CORRECT. AY REJECT THE BID OR ACT AGAINST ME IN TERMS OF AL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION
I, THE UNDERSIGNED (NAME)	

May 2011

SBD 9

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 *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.
- 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.
- 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.

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 comp	lete 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:
 - has been requested to submit a bid in response to this bid invitation; (a)
 - (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.
- 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.

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.

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
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