

Agricultural Research Council-NRE

141 Cresswell Rd

Weavind Park

Pretoria,

0184



Request for Quotation- AEI01REQ000594

Closing Date: 11 March 2026

VAT Registration: 4140125313

Delivery address: KwaZulu-Natal:
Gannahoek Farm, Colenso, uThukela District,
Kwa Zulu-Natal. GPS: **28° 41' 58.2"S 29° 57' 10.5E"**

COMPULSORY SITE BRIEFING –

SiteBriefing:

Gannahoek Farm, Colenso, uThukela District,
Kwa Zulu-Natal. GPS: **28° 41' 58.2"S 29° 57' 10.5E"**

Date & Time: 3 March 2026 at 11:00

Request for Quotation for Drilling and Commissioning of two (2) x solar powered boreholes in the KwaZulu-Natal

Good day,

1. You are kindly requested to submit a written proposal for the Drilling and Commissioning of two (2) x Boreholes in the KwaZulu-Natal as per the specifications to be discussed at a compulsory site briefing.

Quotations with supporting documentation must be submitted by email to KubhekaL@arc.agric.za or deposited in the Tender Box at ARC Natural Resources

Engineering, 141 Cresswell Road, Weavind Park, Pretoria, 0184, on or before the closing date, and please note that submissions via links will not be accepted.

1.1 SPECIFICATIONS IN DETAIL

Drilling and Commissioning of Two (2) x solar powered boreholes in the KwaZulu-Natal
Compulsory Site Briefings Location: Gannahoek Farm, Colenso, uThukela District, Kwa Zulu-Natal. GPS: 28° 41' 58.2"S 29° 57' 10.5E" Date & Time: 3 March 2026 at 11:00 No late comers will be permitted.

2. Request for Quotation Evaluation stages:

The RFQ evaluation process consists of several stages that are applicable according to the merits of the request for quotation, as defined below:

Stage 1: Specification

Stage 2: Evaluation Criteria: National Treasury Procurement Regulations

Stage 3: Agricultural Research Council Preference Points System – **See Annexure A (Must be Completed)**

RDP Goal - Promotion of South African-Owned Enterprises

2.1 Compulsory Supply Chain Management Documents:

(NOTE: Failure to provide the below-listed documents may lead to disqualification)

Description	Comply	Do Not Comply
1. Submission of original valid Tax pin or a Tax Compliance Status letter issued by the South African Revenue Services		

2. Completed and signed Standard Bidding Documents (SBD) forms included in the bid document. (SBD 4)		
3. Only bidders registered on the Central Supplier Database (CSD) will be considered. Bidders shall include the CSD registration number with the bid proposal.		
4. BBBEE Certificate or Sworn Affidavit		

2.2 Special Conditions (Non-compliance with the below special conditions will result in disqualification)

Description	Comply	Do Not Comply
1. Borehole siting and geophysical surveys by Geohydrologists (Use geological and hydrogeological maps, and Advanced Electronics Survey Machines)- both Pulse Quick Wavelet Transform (PQWT), and Magnetic method (Proton Magnetometer). These survey techniques must be used interchangeably. The hydro-geological report must be signed-off by a professional Certified Natural Scientist that is registered with SACNASP and submitted to ARC.		
2. The service provider/drilling contractor will drill according to a drilling target/depth as per the borehole siting and geophysical survey.		
3. Upon a completion of a borehole drilling work, time must be allocated to conduct a 48-hour borehole yield test, after which the borehole yield test certificate must be issued to ARC.		
4. Water tests-Chemical and microbial analysis All the tests must be according to the SANS 241-1: 2015 standards and must be conducted at SANAS Accredited Laboratory. The test reports must be provided with conclusions.		

5. Upon a completion of a borehole drilling work, time must be allocated to conduct a 48-hour borehole yield test, after which the borehole yield test certificate must be issued to ARC.		
6. Survey work to locate True North must be conducted by either a Geomatics Professional (GPr) or Geomatics Technologist (GTg). This work will guide the alignment/mounting of solar modules to North Facing Position and must be done before mounting of solar modules. The survey report must be signed-off by a professional GPr or GTg and submitted to ARC.		
7. In all solar electrical installation, either Installation Electrician (IE) or a Master Installation Electrician (MIE) will be required to submit his/her registration certificate from the Department of Labour to ARC before electrical work commences. The IE or NIE who will be signing off the electrical CoC must be in control on site and carry out or supervises the work effectively. The electrical COC must be submitted as part of the solar powered borehole commissioning. Note: Single-Phase Tester cannot work with DC and will therefore not sign off on DC installations, which would include solar PV installations.		
8. All warranty and workmanship certificates must be submitted to ARC. The service provider must offer Warranties, both for the installation as a whole and for its components (solar modules, MPPT solar pump controller, pump, structural system for module support and so on), this will include operation and maintenance manual. These certificates should be handed during commissioning of the system.		
9. The drilling and commissioning of the solar powered borehole will happen in phases(stages). For example, phase 2, which is the actual drilling of boreholes will only continue if the Geohydrologist was able to detect/locate potential groundwater source. If the potential groundwater source was not found, survey costs will be paid and the subsequent phases, namely, drilling, 48-hour		

borehole yield test, geomatics survey (For locating True-North for solar modules alignment), solar PV installation and fencing will be terminated. If phase 1, borehole siting and the geophysical was successful, phase 2, which is borehole drilling will continue according to the drilling target. If the borehole is successful with sufficient water, subsequent phases such as 48-hour borehole yield test, geomatics survey, solar PV installation and fencing will continue. In an unfortunate circumstance, where the borehole is deemed unsuccessful, drilling costs will be paid and subsequent phases will not continue.																
10. The service provider must organize an activity schedule for the project execution in consultation with ARC project manager/personnel. This schedule must be planned to allow the project manager (From ARC) time to manage the projects effectively. For example, drilling works for 2 sites cannot happen at the same time as this will deprive the project manager of the opportunity to manage all drilling works. This will apply to all project activities.																
11. The service provider commits to the following requirements of workmanship and product warranties as listed in the following table. <table><tr><th>Component</th><th>Warranty Period</th></tr><tr><td>Solar modules</td><td>12 Year product warranty 25 Years linear power performance Warranty</td></tr><tr><td>Pump/motor</td><td>Minimum of 1 years</td></tr><tr><td>MPPT solar pump controller</td><td>Minimum of 1 years</td></tr><tr><td>Remaining components</td><td>Minimum of 1 year</td></tr><tr><td>Workmanship warranty/guarantee for all installations</td><td>1 Year</td></tr><tr><td>Structural: Solar module structural support</td><td>5 years</td></tr></table>	Component	Warranty Period	Solar modules	12 Year product warranty 25 Years linear power performance Warranty	Pump/motor	Minimum of 1 years	MPPT solar pump controller	Minimum of 1 years	Remaining components	Minimum of 1 year	Workmanship warranty/guarantee for all installations	1 Year	Structural: Solar module structural support	5 years		
Component	Warranty Period															
Solar modules	12 Year product warranty 25 Years linear power performance Warranty															
Pump/motor	Minimum of 1 years															
MPPT solar pump controller	Minimum of 1 years															
Remaining components	Minimum of 1 year															
Workmanship warranty/guarantee for all installations	1 Year															
Structural: Solar module structural support	5 years															

Note, the product warranties will be checked against any product delivered onsite.		
12. A service provider must obtain an approval to conduct drilling work from local municipal or regulatory authorities. Thus an approval letter for drilling must be submitted to ARC before any drilling work can commence		
13. During handover and commissioning, the service provider must comprehensively train farmers on how to use the solar powered borehole (Inclusive of operation and maintenance)		

2.3 Compulsory requirements (NOTE: Failure to provide the below-listed documents will lead to disqualification)

Description	Comply	Do Not Comply
1. Compulsory Site Briefing		
2. CIDB Grading 2CE or above.		
3. Data sheets for solar modules/panels must be submitted together with all the bidding documents. Solar modules must comply with SANS/IEC standards as stipulated in the specifications, please see details of specific standards required under “Product Compliance” section of the technical specifications document Note: Data sheets must be official documents (In PDF format) from the product manufacturer Data sheets that are copied from the internet and paste into word, then back to PDF will not be allowed. Solar module/panel data sheets must have the following information printed on them:		

A 12 Year product warranty 25 Years linear power performance warranty Solar modules must comply with Applicable IEC/Accepted international standards or SANS standards		
4. Three reference letters of completed projects with similar size specifications with traceable contact details. The service providers must have completed projects in borehole drilling and commissioning or bulk water infrastructure installation		

3. All price quotations that have a rand value of R 2000.00 to below R 50,000,000.00, including VAT, will be evaluated by applying the 80/20 principle as prescribed by the Preferential Procurement Policy Framework Act 5 of 2000 and its Regulations of 2022, and the Agricultural Research Council Preference Points System – See Annexure A

4 Administrative Requirements:

4.1 Valid Tax Pin issued by the South African Revenue Services (SARS).

4.2 Only bidders registered on the Central Supplier Database (CSD) will be considered. Bidders shall include the CSD registration number with the bid proposal.

4.3 Completed and signed Standard Bidding Documents (SBD) forms included in the bid document.

4.4 The above-specified goods/services should be delivered/rendered to the at above-mentioned delivery address.

4.5 The particulars of the guarantee that will apply to the goods quoted for, with regards to the period and extent of the warranty must be clearly stated. Where services are required, service providers must submit documentation pertaining to the relevant experience.

4.6 Your written quotation must be emailed to KubhekaL@arc.agric.za

4.7 Standard conditions:

4.8 The validity of the quotations must be 60 days.

4.9 Prices quoted should be in South African Rand and inclusive of VAT costs such as delivery, insurance, taxes, etc.

4.10 The ARC will consider No price adjustments or amendments of the delivery particulars contained in paragraph 2.

4.11 The supplier accepts full responsibility for the proper execution and fulfillment of the goods/services quoted.

4.12 ARC reserves the right to accept or reject any special terms and conditions that may qualify the goods/services to be provided.

4.13 Quotes should be submitted on official letterhead and duly signed.

4.14 Goods and services should be supplied/rendered upon receipt of a purchase order from the ARC.

4.15 The General Conditions of Contract issued by the National Treasury are applicable.

4.16 The ARC supply chain management code of conduct is applicable.

4.17 Standard Bidding Documents (SBD) forms must be signed and returned together with the quotation Failure to comply will result in the disqualification of your quotation.

4.18 Your quotation must indicate the delivery date.

4.19 The ARC reserves the right to do due diligence on the quotations.

4.20 The ARC reserves the right to benchmark prices quoted.

4.21 Late and incomplete submissions will invalidate the quotation submitted.

4.22

4.23 Quotations must be market-related, if there is material evidence that the bidder has under-quoted, they will be disqualified.

Thank you in anticipation.

Ms. Lungile Kubheka

Tel: +27 (0)12 842- 4078

Email: KubhekaL@arc.agric.za

Supply Chain Management: ARC