



**sanedi**

South African National Energy  
Development Institute.

**REQUEST FOR QUOTATIONS FOR THE IMPLEMENTATION OF  
SOLAR WATER HEATER AT THE JABULANI AGRI VILLAGE  
COMMUNITY CENTRE, MKHONDO MUNICIPALITY, MPUMALANGA.**

NAME OF BIDDER.....

POSTAL ADDRESS .....

STREET ADDRESS .....

CONTACT PERSON .....

TELEPHONE NUMBER Code ..... Number .....

CELL PHONE NUMBER Code ..... Number .....

FACSIMILE NUMBER Code .....Number .....

E-MAIL ADDRESS .....

**Signature f Bidder** ..... **Date** .....

<b>RFQ Number</b>	4520
<b>Date of RFQ</b>	05 February 2021
<b>Sanedi Contact</b>	All enquiries must be directed to:  Name: Ms Vulani Ngoveni Tel: 011 038 4418 e-mail address: <a href="mailto:enquiries.procurement@sanedi.org.za">enquiries.procurement@sanedi.org.za</a> Website address: <a href="http://www.sanedi.org.za">www.sanedi.org.za</a>
<b>Closing date</b>	22 <sup>nd</sup> February 2021 at <b>11:00am</b>
<b>Submission methods</b>	The submissions should be made to the following email:  <a href="mailto:quotes.procurement@sanedi.org.za">quotes.procurement@sanedi.org.za</a>  NB: failure to submit in the correct email will render your submission non-responsive.
<b>Work specification (and Technical specifications)</b>	<p><b>1. Project Background</b></p> <p>The Working for Energy Programme is a sub-programme of the Applied Energy Research Programme at SANEDI and it focuses on clean energy interventions that can benefit low-income communities in South Africa. The notion of clean energy interventions that can benefit low-income communities should not be confused with cheap, but rather simplified labour intensive (with special emphasis on sustainability and empowering youth, women, and people with disabilities), interventions that can be easily adapted, operated and maintained in areas that are most needy.</p> <p>To implement its mandate of promoting the development and deployment of clean energy access, SANEDI is working in partnership with relevant bodies enhance clean energy access to selected beneficiaries, the National Development Agency (NDA). This partnership has been in existence since 2014 and has involved in the Greening of Early Childhood Development Centres (ECDs). SANEDI seeks to replicate the successes of these Greening Projects under different types of facilities to complement the work done by NDA.</p> <p>In this project, the Daycare Centre at Jabulani Agri Village has been selected for Greening within the Mpumalanga Province. The focus is on the Implementation of a 300l Solar Water Heater system in each facility. The objective of this project is to demonstrate the benefits in Greening of brownfield facilities. The details of the facilities selected for Greening are stipulated in Section 3.</p>

## 2. Scope of works

### 2.1 Project Objectives

The key objectives of this project are as follows:

- Decrease electricity demand for water heating by switching to renewable energy (solar energy).
- Improve energy security and energy access.

### 3. SELECTED PROJECT SITE DETAILS

A300 litres high pressure Solar Water Systems shall be supplied and installed at each of the facilities listed below.:

No	Name of the Facility	Physical Address	Quantity of Solar Water Heaters
1.	Day care Community Centre at the Jabulani Agri Village	Community Day Care Centre Jabilani Agri Village Mkhondo Municipality, Mpumalanga GPS Co-ordinates: 26.640245, 30.490696	1 X 300/ High Pressure Solar Water System

#### 3.1 Areas to be implemented at the Day care Community Centre at the Jabulani Agri Village

Area of the facility	Challenge	Technology
The main kitchen at the Daycare Community Centre	Electric Hot water geyser not working therefore no facility for boiling hot water.	Solar Water Heating-1x300l. Indirect, thermosyphon, High-pressure stainless-steel vessel with Positive Thermal Co-efficient (PTC) backup electric element

## 4. Specifications for Solar Water Heating Systems

### 4.1 Introduction

4.1.1 Solar Water Heating Systems proposed by suppliers must conform to the South African National Standards (SANS) as set out by the SABS (South African Bureau of Standards), however preference will be given to Suppliers who offer energy saving features and long-life hot water tank protection device. Written proof of this test is required to be submitted with the quotations. Biogas plants are used as a way of treating and sterilising bio-wastes. In this way it reduces Greenhouse Gasses that would otherwise be escaping to the atmosphere, and therefore improve human health and environment.

4.1.2 Suppliers of High-Pressure Solar Water Heaters are invited to submit quotations for the supply and installation of the SWH systems, as per the following requirements:

- 4.1.2.1 Only systems that comply with the relevant SANS specification will be considered.
- 4.1.2.2 SANS 1307: 2009 – Domestic Solar Water Heaters
- 4.1.2.3 SANS 10106: The installation, maintenance, repair and replacement of domestic solar water heating systems, Edition 3
- 4.1.2.4 Solar Water Heating Systems that are SABS mark approved.
- 4.1.2.5 Indirect, thermosyphon, High-pressure stainless-steel vessels.
- 4.1.2.6 Positive Thermal Co-efficient (PTC) backup electric element
- 4.1.2.7 Written proof of these requirements must accompany quotations along with the SABS verification and approximate time to approval.
- 4.1.2.8 Both Flat Plate and Evacuated Tube collector systems will be considered.
- 4.1.2.9 Quotations should be 300-litres tank requested, with Five years (or more) product warranty.

#### **4.2 Minimum information required.**

- 4.2.1 There must be at least one member of Service Provider who must be SOLTRAIN Trained/Accredited
- 4.2.2 Once appointed by SANEDI, the service provider must apply through SANEDI for SOLTRAIN Co-Funding
- 4.2.3 Certification of local content for SWH storage tanks or SWH collectors
- 4.2.4 SABS approval documentation
- 4.2.5 Detailed component guarantee period.
- 4.2.6 Expected life span of the equipment.
- 4.2.7 Delivery period.
- 4.2.8 Information relating to the Bid Company's SWH experience and the extent of the installed base. This should be brief and will be verified during the procurement evaluation process.
- 4.2.9 The bidder is required to submit a COIDA certification.

#### **5 OCCUPATIONAL HEALTH AND SAFETY**

- 5.1 Supplies are always to comply with the relevant national occupational health and safety requirements. The bidders are required to submit a plan to indicate how they plan to comply with the Occupational Health and Safety requirements.
- 5.2 All installation must be issued with certificate of compliance.

#### **5. PROJECT MANAGEMENT**

A suitable Service Provider is sought to undertake the Project Management of this task and supply the following deliverables:

##### **6.1 Deliverables required of the Project Manager:**

- Prepare a detailed methodology and project execution plan
- Provide a detailed project timeline, (Gant chart preferred)
- Produce a detailed labour plan, outlining the time and number of labour required and aligned to the Expanded Public Works Programme (EPWP) requirements

- Provide a risk management and indemnity plan for security of product, equipment and labourers
- Ensure the health and safety of all labour, including contracted local community labour, employed in accordance with applicable legislation and consultation with community leaders
- Procure necessary Personal Protection Equipment (PPE) for all involved in the execution of the project
- Provide SANEDI with weekly progress updates that include a written up, and photographic evidence in an electronic format and sent via e-mail:
  - Update to include relevant challenges and progress and solutions applied, to resolve any such challenges;
  - Record with certified copies of Identity Documents, everyone involved in the execution of the project;
  - Records of labourers' attendance, conduct, disciplinary processes, etc.;
  - Detailed reports on project process, delays, contingencies.
  - Any challenges with community members to be communicated with SANEDI and local Ward Councilor/ project representatives, for resolution.
- All project meetings held must be supported by written minutes sent to SANEDI and NDA via email
- Facilitate a project close-out meeting between the contractors, SANEDI, the School Headmasters and local Ward Councilors
- Provide a detailed final Technical Report including assumptions, metrics, repairs and any other relevant technical information.

## **6.2 Site inspection**

An Optional site inspection will be arranged for interested bidders. Interested bidders must send their RSVPs to [enquiries.procurement@sanedi.org.za](mailto:enquiries.procurement@sanedi.org.za) by the **11<sup>th</sup> February 2021 at 11:00am.**

## **6.3 PROJECT MANAGEMENT FROM SANEDI**

The project shall be managed through SANEDI by a Working for Energy Project Manager and shall include a Project Oversight Committee as follows:

- a) Chaired by Working for Energy General Manager.
- b) Working for Energy Project Manager.
- c) Representatives from NDA/Jabulani Agri Village Daycare Centre/Local Community.
- d) Representatives from the relevant parties
- e) A representative or more from the successful contractor.
- f) A representative from the community (*optional and subject to availability, without remuneration for attendance at any meeting/s*).
- g) A quorum shall be deemed when one member from each entity is present

Any project related decisions raised by any party associated with the project compliance and physical installation of the system must be addressed through the SANEDI project manager directly, as the contracting party.

The Project Oversight Committee shall meet as follows:

- a) On-site inception meeting, to initiate the Project
- b) Thereafter, progress meetings as deemed necessary
- c) A final closure meeting after project completion
- d) Project closeout meeting.

**6. PROJECT SCHEDULE**

The project shall be completed within two months from the last date of signature to the contract. Any deviations from this will need a written motivation to SANEDI.

**Evaluation Criteria**

The bids received will be evaluated in two stages. The first stage will be the pre-condition compliance and technical evaluation, the second the financial/BEE evaluation. The following are the evaluation criteria that all bids will be assessed against:

Criteria	Scoring Criteria (1-10)	Weighting
<b>Company experience</b> in SWH installation and related plumbing	>5 years in SWH installation and related plumbing = 10 >=3 years but less than 5 years experience in SWH installations and related plumbing = 5 Up to two years SWH installation and related plumbing = 2	10%
<b>Project team</b> Profile of project team, qualifications, experience in SWH project management.  <i>NB: CVs of the project team must be attached and failure to do so will forfeit points</i>	>5 years' experience in SWH Project Management = 10 >=3 years but less than 5 years' experience in SWH Project Management = 5 Up to two years' experience in SWH Project Management = 2	20%
<b>Track record</b> of SWH installations which must be demonstrated by reference letters. Reference letters must include the following: <ul style="list-style-type: none"> <li>• Must be in client's letterhead.</li> <li>• Name of the project</li> <li>• Duration of the project, contact person and duly signed</li> </ul>	5 reference letters in SWH installations work = 10 3 reference letters in SWH installations work = 5 Up to two reference letters in SWH installations work = 2	30%
<b>Methodology</b>	A comprehensive methodology with logistical	30%

	<p>Detail of proposed installation methodology, logistical arrangements, Activities linked with timelines, suppliers, and project management, control, and oversight.</p>	<p>arrangements, activities linked to timelines, suppliers, project management, control and oversight = 10 An average methodology with some of the identified key areas =5  A poor and unclear methodology =1</p>										
	<p><b>Local Content</b> Details of local product, labour, materials for storage tanks and collectors</p>	<p>100% materials that are locally sourced = 10 Greater than 80% but less than or equal to 90% of materials that are locally sourced = 5 Equal to 70% but less than 80% of materials locally sourced = 2</p>	<p>10%</p>									
	<p><b>Threshold</b></p>		<p><b>70</b></p>									
	<p><b>Total Weighted Score</b></p>		<p><b>100%</b></p>									
<p><b>Preferential Point system</b></p>	<p><b>The Bid will be evaluated on 80/20 Preferential Point System according to the Preferential Procurement Policy Framework Act,2000</b> The points scored out of 80 should be calculated according to the following formula:</p> <p>(i) The 80/20 preference point system</p> $Ps = 80 \left( 1 - \frac{Hs - Rs}{Rs} \right)$ <p>where Ps = points scored for functionality and price of the bid/proposal under consideration Hs = highest percentage scored by any acceptable bidder for functionality and price Rs = percentage scored for functionality and price by bid/proposal under consideration</p>											
<p><b>The maximum score</b></p>	<p>The maximum score for this bid shall be awarded as follows:</p> <table border="1" data-bbox="415 1675 1511 1808"> <thead> <tr> <th>POINTS</th> <th>PRICE</th> </tr> </thead> <tbody> <tr> <td>BBBEE Status level of Contribution</td> <td>20</td> </tr> <tr> <td>Points for price</td> <td>80</td> </tr> <tr> <td><b>Total points for price and BBBEE do not exceed</b></td> <td><b>100</b></td> </tr> </tbody> </table>				POINTS	PRICE	BBBEE Status level of Contribution	20	Points for price	80	<b>Total points for price and BBBEE do not exceed</b>	<b>100</b>
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BBBEE Status level of Contribution	20											
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<b>Total points for price and BBBEE do not exceed</b>	<b>100</b>											
<p><b>Terms and Conditions</b></p>	<p>The RFQ shall be subjected to the SANEDI procurement terms and conditions which can be found on <a href="http://www.sanedi.org.za">www.sanedi.org.za</a>.</p>											

<b>Quoted Price excluding Disbursements VAT inclusive</b>	<b>(Attach a formal quotation on company official letterhead to this RFQ)</b> R
<b>Discounted amounts</b>	R
<b>Disbursements VAT inclusive</b>	R
<b>Total Amount VAT inclusive</b>	R
<b>Other Requirements</b>	The supplier must submit the following returnable schedules: <ol style="list-style-type: none"> <li>1. Pricing schedule</li> <li>2. Attach SBD9, SBD 4 and BBBEE Bid Declaration</li> <li>3. Attach valid tax clearance</li> <li>4. Certified BBBEE certificate</li> <li>5. CSD Report</li> </ol>

**SBD 4: Bidder's Declaration of Interest**

	Any legal person, including persons employed by the state, 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
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	<p>written price quotation). In view of possible allegations of favoritism, 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</p> <ul style="list-style-type: none"> <li>- the bidder is employed by the state; and/or</li> <li>- 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.</li> </ul>
	<p><b>In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.</b></p>

<b>COMPANY &amp; REPRESENTATIVE DETAILS</b>	
Full Name of bidder or his or her representative	
Identity Number	
Position occupied in the Company (director, trustee, shareholder, member):	
Registration number of company, enterprise, close corporation, partnership agreement or trust	
Tax Reference Number	
VAT Registration Number	

<b>DECLARATIONS</b>	<b>YES</b>	<b>NO</b>
Are you or any person connected with the bidder presently employed by the state?		
<p>If so, furnish the following particulars:</p> <p>Name of person / director / trustee / shareholder/ member</p>		

	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:		
	If you are presently employed by the state, did you obtain 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?  <u>(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.</u>		
	If no, furnish reasons for non-submission of such proof:		
	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?		
	If so, furnish particulars:		
	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?		

	If so, furnish particulars:		
	Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies  Wither or not they are bidding for this contract?		
	If so, furnish particulars:		

<b>Full details of directors / trustees / members / shareholders.</b>			
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 the table below.			
<b>Full Name</b>	<b>Identity Number</b>	<b>Personal Income Tax Reference Number</b>	<b>State Employee Number / Persal Number</b>

“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.

“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.

**DECLARATION OF INTEREST**

I, the undersigned (name).....

Certify that the information furnished in this declaration is correct and I accept that SANEDI may reject the bid or act against me should this declaration prove to be false.

Name of Enterprise Bidding: .....

Name of Authorised Representative .....

Signature of Authorised Bidder .....

Date .....

**SBD 9: Certificate of Independent Bid Determination**

I, the undersigned, in submitting the accompanying bid for .....

in response to the invitation for the bid made by SANEDI do hereby make the following statements that I certify to be true and complete in every respect:

I therefore certify, on behalf of ..... that I have read and I understand the contents of this Certificate;

1. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
2. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
3. 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;
4. 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

5. 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 consortium will not be construed as collusive bidding.

6. 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.

7. 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.

8. 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.

9. 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.

Name of Enterprise Bidding: .....

Name of Authorised Representative .....

Signature of Authorised Bidder .....

Date .....

**B-BBEE Bid Declaration**

**BEE Terms and Conditions**

If it is detected that false information regarding the B-BBEE status level of contribution, local production content, or any other matter which will affect or has affected the evaluation of the tender, or where the tender has failed to declare any subcontracting arrangements, the purchaser may, in addition to any other remedy it may have –

- (a) disqualify the person from the bidding process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favorable arrangements due to such cancellation;
- (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution

Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:		
<b>B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED</b> (Points claimed for BBEE must be substantiated by means of a certified B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or an Accounting Officer as contemplated in the CCA).		<b>Points Claimed</b>  .....
<b>SUB-CONTRACTING</b>	<b>YES</b>	<b>NO</b>
Will any portion of the contract be sub-contracted?		
If yes, indicate: what percentage of the contract will be subcontracted?	%	
the name of the sub-contractor?		
the B-BBEE status level of the sub-contractor?		
is the sub-contractor an EME?		

I, the undersigned (full name).....

Certify that the B-BBEE information furnished on this declaration form is true and correct and attach a current broad-based black economic empowerment certificate as verified by an accredited agency.

i accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

Name of Enterprise Bidding: .....

Name of Authorised Representative .....

Signature of Authorised Bidder .....

Date .....