



sanedi

South African National Energy
Development Institute

REQUEST FOR PROPOSALS

FOR THE

**ANALYSIS OF CO₂ UTILISATION TECHNOLOGIES AND THEIR SUITABILITY FOR IMPLEMENTATION IN
SOUTH AFRICA**

Closing date: 28th July 2016

Time: 11:00

Submission format: Electronic submission to 368.procurement@sanedi.org.za

Name of the respondent:.....

Late bids will not be accepted for consideration.



BID DETAILS

Bid Title	Analysis of CO2 Utilisation Technologies and their Suitability for Implementation in South Africa
Procurement Reference Number	368
Description of Goods & Services	Request for proposal for the Analysis of CO2 Utilisation Technologies and their Suitability for Implementation in South Africa
Date of TENDER	08 th July 2016
Date of Compulsory Briefing Session	21st July 2016
Date of Tender CLOSING	28 th July 2016

CONTACT INFORMATION

Any enquiries regarding the bidding procedure may be directed to:

Procurement Officer: Ms. Thabang Mokoena
 Telephone: 011 038 4300
 E-mail: enquiries.procurement@sanedi.org.za

BIDDER'S DETAILS

NAME OF BIDDER

POSTAL ADDRESS

STREET ADDRESS

CONTACT PERSON

TELEPHONE NUMBER Code Number

CELL PHONE NUMBER Code Number

FACSIMILE NUMBER CodeNumber

E-MAIL ADDRESS

Signature of Bidder **Date**

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Submission Criteria

1. Notice and Invitation to submit Proposals

The SOUTH AFRICAN NATIONAL ENERGY DEVELOPMENT INSTITUTE invites suitably qualified and experienced service providers to submit priced proposals for the supply of goods and services as indicated in the Scope of Works herein

SANEDI is a research and development entity established as a juristic person in terms of the Energy Act, Act 34 of 2008. SANEDI' key focus areas are research and development into new energy technologies and energy efficiency.

Respondents must comply with the terms and condition as specified in this Bid Document either in their singular capacity or as part of a Joint Venture or consortium.

Potentially emerging enterprises and SMME's who satisfy criteria stated in the Submission Data may submit proposals

Only respondents who submit fully completed priced proposals incorporating all Returnable Schedules duly complete and signed will be eligible to have their submissions evaluated

Queries relating to the issue of these documents may be addressed to

Ms. Thabang Mokoena

Telephone: + 27 (0) 11 038 4300

E-Mail: enquiries.procurement@sanedi.org.za

A compulsory briefing meeting with representatives of the Employer will take place at the offices of SANEDI, situated at Grayston Office Park, 2nd Floor Block E, 150 Linden Street, Strathavon Sandton, on **21st July 2016**, commencing at **11h00**.

The closing time for receipt of Proposals is

11h00 on Thursday 28th July 2016

2. Submission Data – Specific Conditions of Contract.

1.	<p>The Employer</p> <p>The Employer is SANEDI and is referred to as the CLIENT or EMPLOYER.</p>
2.	<p>Composition of Bid Document</p> <p>The Call for Proposals, the price quotation and the Enterprises responding submission documents forms part of a BID DOCUMENT and may be referred to such further herein.</p> <p>The documents associated with the calling for Proposals issued by the employer comprise:</p> <p>Submission Criteria</p> <ul style="list-style-type: none"> • Notice and Invitation to Submit a Quotation • Submission Data – Specific Conditions of Contract • Evaluation Criteria and Scoring • Tax Clearance Requirements <p>Returnable Schedules</p> <ul style="list-style-type: none"> • Enterprise Questionnaire • Technical Proposal & Methodology Statements • Tax Clearance Certificate • B-BBEE Declaration • Declaration of Interest • Certificate of Past Procurement Performance • Certificate of Bid Independence • Certificate of Acceptance – General Conditions of Contract • Certificate of Acceptance – Bid Evaluation and Scoring Criteria • Certificate of Understanding – Scope of Works • Certificate of Attendance – Tender Clarification Meeting • Pricing Schedule / Schedule of Rates • Form of Tender • Schedule of Proposed Amendments and Qualifications • Record of Addenda or Errata to the Bid <p>Only respondents who submit fully completed Proposals incorporating all Returnable Schedules duly complete and signed will be eligible to have their submissions evaluated</p>
3.	<p>Bid Clarification Meeting</p> <p>A briefing meeting with representatives of the Employer will take place at the offices of SANEDI situated in the Grayston Office Park, 2nd Floor Block E, 150 Linden Street, Strathavon Sandton, on Thursday the 21st July 2016, commencing at 11h00.</p> <p>Failure to complete the certificate of attendance and return with the Bid Documents will disqualify the submission.</p>

4.	<p>ELECTRONIC RETURN OF SUBMISSIONS AND NO MANUAL SUBMISSION WILL BE ACCEPTED.</p> <p>Submissions / Bid Documents may be returned to the CLIENT by means of Electronic Submissions via E-Mail.</p> <p>The Submission E-Mail address designated is 368.procurement@sanedi.org.za</p> <p>The Bidder shall ensure that the Bid Documents Returnable Schedules together with all Statutory Returns are duly completed, signed and scanned and uploaded to the designated E-mail address in a lock PDF format file.</p> <p>Documents transmitted in an editable format will be regarded as non-returns and may render the submission unresponsive.</p> <p>The size limits for SANEDI Email is 20 MB. Bidders may submit more than one E-mail.</p>
5.	<p>The closing time for submissions is as stated in the Notice and Invitation to Submit a Proposal Quotation, in the manner specified is</p> <p>Closing date: Thursday 28th July 2016 at 11h00</p>
6.	<p>Telephonic, telegraphic, telex, facsimile submissions offers will not be accepted.</p>
7.	<p>NO Late submissions, or submissions not deposited in the designated Tender Box will be considered, and it is incumbent on the Bidder to ensure that their submission together with all supporting documentation is in the designated Tender Box before the closing Time and date specified.</p>
8.	<p>The Bidder holds SANEDI harmless and indemnifies SANEDI in the event of any failure that prevents or delays the bid submission from being in the designated Tender Box at the time of Bid Closure.</p> <p>Bidders are prohibited from using SANEDI Staff acting as their couriers, agents or delivery mediums to deposit bids in the tender box, and the bidder acknowledges that the use of SANEDI staff in this way will immediately disqualify their tender submission.</p> <p>It is the sole responsibility of the bidder to ensure that the documents submitted via PDF format are not corrupt and that any corrupt documents received by the closing date will be automatically excluded from being evaluated.</p>
9.	<p>Information and data to be completed in all respects</p> <p>Accept that Bid offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the Employer as non-responsive.</p> <p>Accept that the Employer shall not assume any responsibility for the misplacement or Premature opening of the tender offer if the Bid is not submitted in the required format and clearly marked with the bid reference and placed in the designated tender box before bid closing.</p>
10.	<p>SANEDI Reserves the RIGHTS to contract with suppliers who are BEE Compliant.</p>
11.	<p>The Employer, reserves the right, at its sole discretion to award the tender in part or in stages, and shall have the right to withdraw some of the outputs and deliverables thus amending the total tender value and contracted price either pre or post award under authorisation of a Variation Order.</p>
12.	<p>SANEDI reserves the to rotate suppliers</p>
13.	<p>Suppliers must be registered on National Treasury Central Supplier Database (CSD). www.csd.gov.za</p>

3. Scope of works/Technical specifications

3.1 Project Background

The South African government has realised the benefits that a low carbon economy can bring and in support of climate change mitigation measures, has committed to reducing carbon emissions in South Africa by 34% by 2020 and 42% by 2025. In order to meet these emissions reduction targets, several strategies will need to be employed towards meeting this goal. One of these strategies is the use of the technology Carbon Capture and Storage (CCS). This technology can store large quantities of CO₂ and accelerate the reduction of emissions provided there is suitable geology. Carbon Capture and Storage is important because it enables developing countries with large coal reserves utilising the cheap resource for growing the economy to minimising the emissions generated from the use of it whilst transitioning to a renewable/nuclear future.

The Intergovernmental Panel on Climate Change (IPCC) has found that the existing climate models cannot meet emissions reduction targets without CCS. Further to this, the cost of mitigation would double without CCS. The International Energy Agency (IEA) has stated that reaching the emissions reduction targets consistent with 450ppm would be 70% more expensive if CCS is omitted from the mitigation portfolio. It is now widely accepted that CCS is going to be part of any successful and cost effective mitigation portfolio.

The South African Centre for Carbon Capture and Storage (SACCCS) was established in 2009 to carry out CCS research and activities in South Africa. The technology of CCS has been identified as a National Flagship Priority Programme and the CCS roadmap has been endorsed by Cabinet. The Carbon Capture and Storage Roadmap for South Africa has come a long way and the next stage of the roadmap is the Pilot CO₂ Storage Project (PCSP). The PCSP is a proof of concept and will demonstrate the suitability of South African geology for CO₂ storage. The PCSP is to be undertaken on-shore for cost, access and capacity building. The South African Geological Atlas found that 98% of CO₂ storage capacity in the country is offshore.

CCS and CCUS

Although CCS is accepted worldwide as an option that will enable the safe storage of large amounts of CO₂ into an appropriate deep geological formation, the technology comes with high investment costs that may be challenging to viably fund. The technology also imposes an energy penalty on the economy which further increases its cost to society, similar to mitigation of smoke, SO_x and NO_x. The acceptance of CCS by communities is not guaranteed and opposition to CCS has been growing world-wide. Carbon Capture and Utilisation presents an alternative/ameliorative technology that can also be used in conjunction with CCS. The two technologies can be used in parallel to get the most benefits where there might be limitations in terms of suitable geology for storage and a complementary technology to ensure that emissions reduction targets are met.

Carbon Capture and Utilisation (CCU) and Carbon Capture Utilisation and Storage (CCUS)

Carbon Capture and Utilisation (CCU) is a technology that is still in the research and development phase worldwide. The technology involves the use of CO₂ in production processes for building

materials, fuels and in the chemical industry. Carbon Capture and Utilisation can be used in parallel with CCS to achieve a future green economy. The technologies for CCU transform CO₂ from a liability to a resource that brings economic gain.

The USA, Germany and Australia are well advanced in research and development of CCU technologies. CCU is globally applied mostly to Enhanced Oil Recovery (EOR) where CO₂ is injected into a geological formation with oil reserves that are difficult to extract. The oil is trapped in the pore spaces of a reservoir and the injected CO₂ accelerates the release of the oil to the surface. The CO₂ in this instance is used to make the oil production process easier and more profitable. South Africa does not have any oil production and thus EOR is unlikely.

On the other hand Carbon Capture Utilisation and Storage (CCUS) follows the same process of using CO₂ from point sources and injecting it into oil rich basins which leads to higher yields for oil fields. The CO₂ used is stored in the geological formation that has been storing the oil which is now displaced and collected on the ground. These geological formations are particularly suitable for CO₂ storage as they had been storing oil for decades. In this instance there are economic benefits that are realised through the higher oil yields of wells where the CO₂ is injected.

Whether CCU or CCUS is employed, there are economic benefits that are realised that can offset the high costs for CCS.

3.2 Project objectives

The technology Carbon Capture and Storage (CCS) relies on suitable geology for successful implementation in South Africa. Carbon Capture and Utilisation (CCU) is an alternative technology that can be used as a complementary emissions reduction technology. The aim of this project is to:

- a) Provide an appraisal of all Carbon Capture and Utilisation Technologies (CCU) worldwide and,
- b) Assess the suitability of the CCU technologies for implementation in South Africa

Global CO₂ emissions are currently 36 billion tonnes of CO₂ per year. The bulk of these CO₂ emissions are produced by the electricity generation sector, which is responsible for about 50% of emissions. The remainder of the CO₂ emissions arise largely from the combustion of fossil fuels in the transport and industrial sectors. The introduction of and support for a non-fossil-based, renewable and carbon-neutral fuel supply for non-electricity generation sectors would therefore significantly contribute towards reaching climate goals.

According to a 2009 International Energy Information Administration (IEIA) study, South Africa emits 435 Million tonnes of CO₂ equivalent (CO₂e), making it the 12th highest emitter globally. The latest estimate from the Air Quality Management Unit of the Department of Environmental Affairs (DEA), SA, 2012 is 511 Million Tonnes CO₂e. This means the country contributes 1.49% of global emissions from 0.7% of the global population. The electricity generation sector is responsible for 45% of these emissions and the rest are attributed to industry, agriculture and others like transport, residential and waste sector. The transport sector in South Africa emits approximately 46.3Mt CO₂ (13.1% of SA total emissions). Thus the case for the development of a non-fossil-based fuel for use in the transport sector is clearly a strong one.

There are examples internationally of countries that have developed strategies to decrease carbon emissions in the transport sector. The European Union is a case in point with its Renewable Energy Directive (RED) which seeks to reduce CO₂ emissions in the transport sector through a requirement that by 2020, 10% of road transport fuels must be from a renewable source. These targets will increase the uptake of CCU fuels which are produced when renewable energy is used to convert CO₂ into a synthetic fuel. This will decrease emissions in the transport sector as well as create a market for CO₂.

CCS stakeholders in South Africa, at the recently held 4th CCS Conference 2015, recommended the implementation of CCU alongside CCS in South Africa, in order to increase the success of CO₂ emissions reduction targets in the country.

3.3 Scope of work

The scope of work for this project will seek to assess and appraise all Carbon Capture and Utilisation (CCU) technologies being investigated world-wide and then assess their suitability for implementation in South Africa. The scope of work can be divided into the following work packages.

The work packages that are aligned to the first project objective, “Provide an appraisal of all Carbon Capture and Utilisation Technologies (CCU) worldwide” are the following:

3.3.1 **Work Package 1:** An analysis and appraisal of Global Carbon Capture and Utilisation (CCU) Technologies.

- Provide details of CCU technologies
- Give details on how the technology works
- Quantify the amounts of CO₂ used in the process (emissions reduction/mitigation potential)
- Sources of CO₂ and processes it undergoes before using it
- Estimate Costs of the technologies (techno-economic analysis)
- Estimate possible revenue streams and market for end products
- Compare CO₂ utilised against emitted through use of end products

3.3.2 **Work Package 2:** International Research, Development and Innovation in CCU Technology. Provide case studies for three countries that have advanced CCU that is not in enhanced oil recovery.

- Case Study 1: Country A
- Case Study 2: Country B
- Case Study 3: Country C

The work packages aligned with the second project objective, “Assess the suitability of the CCU technologies for implementation in South Africa” are the following:

3.3.3 **Work Package 3:** An assessment of CCU technologies most suitable for implementation under South African conditions.

- Provide technology details of suitable technologies

- Assess which industries in South Africa would be best suited to implement these technologies
- Estimate amount of CO₂ utilised (emissions reduction/mitigation potential)
- Estimate costs of technology implementation and relate this to the possible benefits (Techno-economic analysis)
- Estimate possible revenue streams and market for end products
- What development work would be required to South Africanise such technologies?
- Incorporation of renewable energy technologies

3.3.4 **Work Package 4:** An analysis of which industries within South Africa would benefit from CCU technology.

- Industries that can best use CCU technologies
- Estimate costs for CCU implementation into each of these industries
- Identify markets for CCU products
- Estimate revenue streams from sale of end products
- Estimate environment benefits and carbon offset implications from cultivating and maturing these markets

3.3.5 **Work Package 5:** Workshop with interested and affected stakeholders

- Invite all relevant stakeholders
- Circulate a workshop briefing document two weeks before the workshop
- Organise workshop venue (SANEDI premises can be made available)
- Hold workshop and ensure participation from stakeholders
- Compile a report with all workshop inputs and outputs
- Circulate workshop report to all participants

3.3.6 **Work Package 6:** Recommendations on the benefits of CCU to South Africa's emissions reduction targets.

- Compare expected emissions reductions between CCUS and CCS alone
- Motivated recommendations on CCUS implementation for South Africa
- Incorporation of renewable energy technologies

3.3.7 **Work Package 7:** Administration

- Record written minutes of each Project Steering Committee
- Circulation of the minutes within 5 working days of the meeting
- Progress reports to be addressed at progress meetings
- Progress reports submitted at least 3 days before a progress meeting

3.4 Expected outputs

- Regular minuted progress meetings with the project steering committee (PSC)

- Draft reports on each work package (WP) during progression, for inputs from the PSC and other stakeholders deemed relevant/necessary by SANEDI/RECORD/SACCCS
- Final report containing the complete study (all WPs)
- 5 hard copies (laid out, bound and printed)
- 2 electronic copies (editable Word version and PDF print layout)
- Presentations to SACCCS, PCSP SC, Renewables, DST and others as required

3.5 Project Management

The project shall be managed through a Project Steering Committee (PSC) composed of members including:

- A representative of SANEDI/SACCCS
- A representative of SANEDI/Renewables/RECORD; and
- Up to 3 representatives from the SANEDI identified stakeholder pool including DST

Other persons may be invited by SACCCS/RECORD/SANEDI as and when deemed appropriate. SACCCS/RECORD/SANEDI shall chair the progress meetings

The Steering Committee shall meet as follows:

- Inception Meeting – to initiate the Project and agree on specific details;
- Thereafter, progress meetings on a monthly basis.
- A final closure meeting after completed report submission.

3.6 Schedule

The project shall be executed within 6 months from the last date of signature to the contract. Any deviations from this will need to be motivated in writing to the PSC and approved at a meeting.

3.7 Acceptance of Final Report

The acceptance of the Final Report shall be in accordance with the following procedures:

- a) Internal review by SANEDI/RECORD/SACCCS within a period of two weeks
- b) External review as deemed appropriate by SANEDI/RECORD/SACCCS
- c) Consideration by the SACCCS Steering Committee
- d) Amendments by the Contracted Party if necessary
- e) Acceptance as completion of the contractual obligations by the SACCCS Steering Committee.

4. Evaluation Criteria

14.	The evaluation criteria that are to be scored and the maximum score assigned to each of such criteria are as follows:			
	Criteria	Evidence	Scoring Guidelines [with scores judged between 1 and 10]	Weighting
	1. Capacity, capability and experience of organisation(s) in CCS	Description of company profile, company history including years in business, description of project team including roles, list of previous work including studies, published papers, etc	1 -5= little to no relevant capacity, capabilities and experience in CCS within the organisation with little to no evidence of previous relevant work 6-10 = extensive relevant capacity, capabilities and experience in CCS within the organisation with extensive evidence of previous relevant	30%
	2. Qualification, capability and experience of key staff	<i>Curriculum vitae</i> of staff working on the project	1-5 = little to no relevant qualifications or experience in any staff 10 = extensive relevant qualifications and experience across the proposed team	10%
	3. International CO ₂ Capture and Utilisation understanding and analysis experience	Description of internationally published studies/papers/articles completed relating to international CO ₂ Utilisation (CCU) (Attach copies of the publications if possible)	1 -5= 1 relevant international published studies/papers/article descriptions with international recognised publisher 6-10 = 10 relevant international published studies/papers/article descriptions with international recognised publisher	10%
4. References Letters	Reference letters from the organisations that the bidder has done research for, stating the name and type of research that has been done and when this was carried out.	1-5= 1 reference letters 6-10= 5 references	15%	

	5. Methodology of the Study	Detailed methodology of the work to be undertaken – not merely a repetition of the “Scope of Work” as detailed in Section 6 above	1-5 = repetition of the “Scope of Work” 6-10 = detailed methodology that includes other factors, not directly addressed in Section 6 above, but deemed necessary for the project.	25%								
	6. Detailed plan on capacity building in a PDI embedded in project plan	Outline of potential for skills development and transfer to PDI’s in the organisation	1-5 = no plan with no indication of skills and capacity building in a PDI in the organisation 6-10 = comprehensive plan indicating the skills and capacity building in a PDI in the organisation	10								
	Total			100%								
	Technical Threshold			80								
15.	<p>The Bid will be evaluated on 80/20 Preferential Point System according to the Preferential Procurement Policy Framework Act,2000</p> <p>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>											
16.	<p>The maximum score for this bid shall be awarded as follows:</p> <table border="1"> <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>Total points for price and BBBEE do not exceed</td> <td>100</td> </tr> </tbody> </table>				POINTS	PRICE	BBBEE Status level of Contribution	20	Points for price	80	Total points for price and BBBEE do not exceed	100
POINTS	PRICE											
BBBEE Status level of Contribution	20											
Points for price	80											
Total points for price and BBBEE do not exceed	100											

5 Tax Clearance Requirements

17.	It is a condition of bid that the taxes of the successful bidder must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations.
18.	In order to meet this requirement bidders are required to complete in full the attached form TCC 001 "Application for a Tax Clearance Certificate" and submit it to any SARS branch office nationally. The Tax Clearance Certificate Requirements are also applicable to foreign bidders / individuals who wish to submit bids.
19.	SARS will then furnish the bidder with a Tax Clearance Certificate that will be valid for a period of 1 (one) year from the date of approval.
20.	The original Tax Clearance Certificate must be submitted together with the bid. Failure to submit the original and valid Tax Clearance Certificate will result in the invalidation of the bid. Certified copies of the Tax Clearance Certificate will not be acceptable.
21.	In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate.
22.	Copies of the TCC 001 "Application for a Tax Clearance Certificate" form are available from any SARS branch office nationally or on the website www.sars.gov.za
23.	Applications for the Tax Clearance Certificates may also be made via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za .
24.	FAILURE TO SUBMIT A VALID TAX CLEARANCE CERTIFICATE WILL RENDER THE BID AS UNRESPONSIVE AND DISQUALIFY SUCH BID FROM FURTHER EVALUATION.

6 Returnable Schedules

6.1 Enterprise Questionnaire

Bidders must return submission date for all sections under item 6.1.1 – 6.1.4. On separate sheets where applicable.

Detailed documentation must be attached to this section under sub clauses 6.1.1 – 6.1.4 to provide substantive returns

6.1.1 Company Profile

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number

Tax reference number

Section 6: Record in the service of the state

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- a member of any municipal council
- a member of any provincial legislature
- a member of the National Assembly or the National Council of Province
- a member of the board of directors of any municipal entity
- an official of any municipality or municipal entity
- an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999)
- a member of an accounting authority of any national or provincial public entity
- an employee of Parliament or a provincial legislature

If any of the above boxes are marked, disclose the following:

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:

- i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- ii) confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

6.1.2 Bidders Experience Profile

The experience of the tenderer or joint venture partners in the case of an unincorporated joint venture or consortium as opposed to the key staff members / experts in similar projects or similar areas and conditions in relation to the scope of work over the last five years will be evaluated.

Tenderers should very briefly describe his or her experience in this regard and attach this to this schedule.

The description should be put in tabular form with the following headings:

Description of work (service)	Value of work (i.e. the service provided) inclusive of VAT (Rand)	Date completed

6.1.3 Key Personnel

The tenderer should propose the structure and composition of their team i.e. the main disciplines involved, the key staff member / expert responsible for each discipline, and the proposed technical and support staff and site staff. The roles and responsibilities of each key staff member / expert should be set out as job descriptions. In the case of an association / joint venture / consortium, it should, indicate how the duties and responsibilities are to be shared.

The experience of assigned staff member in relation to the scope of work will be evaluated from three different points of view:

- 1) General experience (total duration of professional activity), level of education and training and positions held of each discipline specific team leader.
- 2) The education, training, skills and experience of the Assigned Staff in the specific sector, field, subject, etc which is directly linked to the scope of work.
- 3) The key staff members' / experts' knowledge of issues which the tenderer considers pertinent to the project e.g. local conditions, affected communities, legislation, techniques etc.

A CV of the Project Director and Team Leader of not more than 2 pages should be attached to this schedule, together with the Bidders organization and staffing demographics

DECLARATION OF BIDDER – ENTERPRISE QUESTIONNAIRE

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that the contents of the sections 5.1.1 – 5.1.3 schedule are within my personal knowledge and are to the best of my belief both true and correct.

Name of Enterprise Bidding:



Name of Authorised Representative

Signature of Authorised Bidder

Date

6.2 Technical Proposal & Methodology Statement

7.2.1 Solution Statement

The **Solution Statement and Methodology** must respond to the scope of work and outline the proposed technical solution offered. This technical solution statement should articulate what value add the tenderer will provide in achieving the stated objectives for the project and detail the time frames and proposed methodology.

The layout of the solution statement and Methodology should be such that it mirrors the headings contained in the Scope of Works, Section 3 of this Bid Document.

The tenderer must as such explain his / her understanding of the objectives of the assignment and the Employer’s stated and implied requirements, highlight the issues of importance, and explain the technical approach they would adopt to address them. The document should explain the technical attributes and contain specifications of all equipment proposed, to demonstrate the compatibility and capability of the solution. The technical paper should also include a quality plan which outlines processes, procedures for the testing and verification of deliverables, and meet the requirements and indicate how risks will be managed and what contribution can be made regarding value management. The Methodology statement must also include an activity Gantt reflecting a work breakdown structure.

DECLARATION OF BIDDER – TECHNICAL PROPOSAL AND METHODOLOGY STATEMENTS

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that the contents of the sections 6.2 schedule is within my personal knowledge and is to the best of my belief both true and correct.

Name of Enterprise Bidding:

Name of Authorised Representative

Signature of Authorised Bidder

Date



6.3 Tax Clearance Certificate

The Bidder is to attach a valid Tax Clearance Certificate here

6.4 B-BBEE Bid Declaration

Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:			
B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED		Points Claimed	
(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).		
SUB-CONTRACTING		YES	NO
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

6.5 Bidder's Declaration of Interest

	<p>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 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"> - 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.
	<p>In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.</p>

COMPANY & REPRESENTATIVE DETAILS	
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	

DECLARATIONS	YES	NO
Are you or any person connected with the bidder presently employed by the state?		
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:		

	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:		

Full details of directors / trustees / members / shareholders.

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.

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

“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

6.6 Declaration of Bidder’s Past Supply Chain Management Practices

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

Item	Question	Yes	No
4.1	<p>Is the bidder or any of its directors listed on the National Treasury’s Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?</p> <p>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</p> <p>The Database of Restricted Suppliers now resides on the National Treasury’s website (www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.</p>	<p>Yes</p> <p><input type="checkbox"/></p>	<p>No</p> <p><input type="checkbox"/></p>

4.1.1	If so, furnish particulars:		
4.2	<p>Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</p> <p>The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.</p>	<p>Yes</p> <input type="checkbox"/>	<p>No</p> <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	<p>Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?</p>	<p>Yes</p> <input type="checkbox"/>	<p>No</p> <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
4.4	<p>Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?</p>	<p>Yes</p> <input type="checkbox"/>	<p>No</p> <input type="checkbox"/>
4.4.1	If so, furnish particulars:		



SBD 8

CERTIFICATION

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

Certify that the information furnished on this declaration form is true and correct.

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

Name of Enterprise Bidding:

Name of Authorised Representative

Signature of Authorised Bidder

Date

6.7 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.

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

6.8 Certificate of Acceptance – General Conditions of Contract

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

Warrants that I am duly authorised to do so on behalf of the enterprise, and confirm that the terms and conditions of contract are acceptable to the enterprise and that such contract will be acceptable to the enterprise should the contract or part thereof be awarded to the enterprise, and that such contract will be signed by the enterprise within 7 days of a request to sign the contract.

Name of Enterprise Bidding:

Name of Authorised Representative

Signature of Authorised Bidder

Date

6.9 Declaration of Acceptance – Bid Evaluation Criteria

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

Warrant that I am duly authorised to represent our company in the submission of this Bid and we acknowledge that we are fully conversant with, and accept the Bid Evaluation, Scoring and Adjudication Criteria as contained in the Special Conditions of the Bid together with the General conditions as contained on the SANEDI web site, and acknowledge that we have read, understand and accept such as the methodology of bid evaluation and adjudication for this bid.

Name of Enterprise Bidding:

Name of Authorised Representative

Signature of Authorised Bidder

Date



6.10 Declaration of Understanding – Scope of Works

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

Warrant that I am duly authorised to represent our company in the submission of this Bid and we acknowledge that we are fully conversant with the scope of works and technical specifications and all requirements enabling us to submit a proposal.

Name of Enterprise Bidding:

Name of Authorised Representative

Signature of Authorised Bidder

Date

6.11 Certificate of Representation at Briefing Session

BID 368

21st July 2016

We, the undersigned, herewith certify that our representative,

.....

ID Number Telephone Number:

E-Mail Address:

who holds the following position within our company

is duly authorised to represent our company at the briefing session held on the and we acknowledge that we are fully conversant with the tender document and all requirements enabling us to submit a proposal.

I confirm that I am duly authorised to sign this Schedule

NAME (PRINT) CAPACITY

SIGNATURE DATE

NAME OF FIRM

The Employer herewith attests that the representative, who particulars are detailed hereon attended the briefing session, conducted by (Employer’s representative)

.....

Signed



Official Stamp

7 Pricing Schedule

A detailed budget per deliverable inclusive of professional fees, disbursements and VAT is to be provided by the service provider.

Activities as per the deliverables of the project				
NAME	POSITION IN TEAM	HOURLY RATE	HOURS	COST
Activity 1				
Activity 2				
Activity 3				
Activity 4				
Activity 5				
Activity 6				
Additional costs				
Total costs (EXCL.) VAT				
VAT				
Total Cost (INCL.) VAT				

<p>AMOUNT IN WORDS To be carried forward to Section 8 Form of Tender BID 368</p> <p>..... SIGNATURE OF BIDDER</p>	
---	--

I confirm that I am duly authorised to sign and certify that the price indicated on the schedule is our bid price submitted

NAME (PRINT) CAPACITY

SIGNATURE

NAME OF FIRM DATE

8 Form of Tender

25.	<p><u>Conditions of Acceptance</u></p> <ul style="list-style-type: none"> ▪ The Tenderer is required to complete this FORM of TENDER in every respect, and tenders will not be considered unless this FORM of TENDER is completed in every particular and each page is initialled by the tenderer and fully signed on this page. ▪ This Form of Tender shall be completed by the tenderer in black ink and no corrections, use of correcting fluids or any alterations will be permitted. ▪ The FORM of TENDER and price schedules shall be stated in South African Rand (ZAR) and the price indicated on the schedules shall be binding on the tenderer, and no exception shall be made for omissions, casting errors or errors of whatsoever nature. ▪ Where a tenderer is not returning a price for a line item, or costs associated with that line item are included in another line item, the tendered shall endorse that line item with the words, “No Cost” or “incorporated in Item (NO.....)” whichever being applicable.
26.	<p><u>Confidentiality</u></p> <p>All information pertaining to the services acquired by SANEDI from the service provider or furnished to the service provider shall be treated as confidential by the service provider and shall not be used or furnished to any other person other than for the purposes of the services without the written Consent of the Accounting Officer unless such information is or later becomes public knowledge, other than by breach of the afore-going.</p>
27.	<p>The service provider shall ensure that all its officers, employees, agents or subcontractors treat all information relating to the services as confidential.</p>
28.	<p>The service provider shall ensure that proper security procedures are implemented and maintained to restrict, as far as possible, access to confidential information. The service provider shall ensure that no confidential information is copied or reproduced without prior written approval by the Accounting Officer.</p>
29.	<p>Failure by the service provider to comply with the provisions of this Clause shall constitute a material breach of the contract and shall constitute a ground for termination of the contract by SANEDI, by giving the service provider thirty days’ notice.</p>
30.	<p><u>Priced Proposal</u></p> <p>The Bid is a <u>FIXED PRICE PROPOSAL</u> and clause 48 shall apply. Clause 49 is not applicable.</p>

31.	<p>FIXED PRICE PROPOSAL</p> <p>The price quoted in the pricing schedule and returned in the Form of Tender is returned as a FIXED PRICE PROPOSAL valid for a period of contract and is not subject to cost price escalations, foreign currency variation or additionality as agreed in the Conditions of Contract</p>
32.	<p>The Bidder is advised that SANEDI will remit the appointed service provider directly and shall be required to comply with all remittance requirements stipulated in the Conditions of Contract specific to this appointment.</p>
33.	<p>The Bidder is advised to plan and provide for all possible risks that may affect the delivery project on time and what mechanisms are in place to manage such risks.</p>
34.	<p>We/I the undersigned, who warrants that they are duly authorised to do so on behalf of the enterprise, confirms that the contents of the conditions of acceptance pertaining to the FORM of TENDER are acceptable, and having fully understood the scope of works and conditions of bidding, herewith warrant that We/I have satisfied ourselves as to the correctness and sufficiency of the rates and prices set out in the Schedule and therefore offer the following PRICE and offer to undertake the works in accordance with the standards and specifications required.</p>
35.	<p>The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that this Form of Tender is submitted in good faith, free of corrections, alterations or encumbrances and such price is binding on the enterprise for a period of 90 days from date of tender close and may be extended by mutual agreement between the parties for a further period of 90 days thereafter.</p>
36.	<p>We/I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the goods and/or works specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.</p>
37.	<p>We/I hereby undertake to supply all or any of the goods and/or works described in the attached bidding documents to SANEDI in accordance with the requirements and specifications stipulated in bid number 368 at the price/s quoted.</p> <p>This offer remains binding and open for acceptance by the purchaser during the validity period indicated and calculated from the closing time of bid.</p>
38.	<p>We/I hereby undertake to supply all or any of the goods and/or works described in the attached bidding documents in accordance with the SANEDI STANDARD CONDITIONS OF CONTRACT pertaining to the supply of goods and services.</p> <p>The Bidder is advised to familiarise themselves with the SANEDI STANDARD CONDITIONS OF CONTRACT pertaining to the supply of goods and services which can be viewed on the SANEDI Website at www.SANEDI.ORG.ZA</p>
39.	<p>We/I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.</p>
40.	<p>We/I declare that we/I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.</p>
41.	<p>This Clause is intentionally left blank</p>

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



Warrants that I am duly authorised to do so on behalf of the enterprise, and confirm that the Bid submitted has been checked and all prices shown are full and final, and inclusive of all taxes, levies, duties and encumbrances, and shall remain valid for a period of 90 days from date of Quotation Closure as depicted in the Submission Data Section of this Bid Document

Therefore our TOTAL Tender Price in respect of the Goods and Services requested under this Call for Proposals (BID REF 368) as stated in South African Rand (ZAR) and upon the terms and conditions set out in the Bid Document free of exceptions, amendments or qualifications save those listed in Schedule 9 shall be:

Tender Amount R

Amount in Words

.....

Name of Enterprise Bidding:

Name of Authorised Representative

Signature of Authorised Bidder

Date

9.1 Proposed Amendments and Qualifications

42.	<p>The Tenderer should record any deviations or qualifications they may wish to make to the tender documents in this Returnable Schedule.</p> <p>If the space provided is insufficient, the Tenderer must reflect the headings and emphasis of matter in this schedule and provide detailed amplification of such deviations and qualifications in a separate sheet and incorporate such response in the singular bound bid document submitted at the time of Tender.</p> <p>The Tenderer accepts that the Client will, at its sole discretion determine the validity of such amendments and or qualifications and apportion weighting to such in addition to the BID SCOPE or evaluation criteria in the best interest of the Client.</p> <p>The decision of the Client in this regard is final, and the Client reserves the right to negotiate with a bidder to finalise the implications of such amendments and qualifications</p> <p>Tenderers must not include deviations or qualifications relating to the scope of work in this schedule where they are required to submit an Approach Paper.</p>		
	Page	Clause or item	Proposal

Name of Enterprise Bidding:

Name of Authorised Representative

Signature of Authorised Bidder

Date

11.2 Record of Addenda to Tender Documents

We confirm that the following communications received from the CLIENT before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		

Name of Enterprise Bidding:

Name of Authorised Representative

Signature of Authorised Bidder

Date