

REQUEST FOR PROPOSALS

APPRAISAL OF IMPLEMENTATION OF FOSSIL FUEL AND RENEWABLE ENERGY HYBRID TECHNOLOGIES IN SOUTH AFRICA

Closing date:	06 th January 2017
Time:	11:00
Submission format:	Electronic submission to 385.procurement@sanedi.org.za
Name of the respon	dent:

Late bids will not be accepted for consideration.



BID DETAILS

Bid Title Appraisal of Implementation of Fossil Fuel and Renewable

Energy Hybrid Technologies in South Africa

Procurement Reference Number 385

Description of Goods & Services Appraisal of Implementation of Fossil Fuel and Renewable

Energy Hybrid Technologies in South Africa

Date of TENDER 9th December 2016

Date of Compulsory Briefing Session

Date of Tender CLOSING 6th January 2017

CONTACT INFORMATION

Any enquiries regarding the bidding procedure may be directed to:

Procurement Officer: Ms. Fikile Manganyi

Telephone: 011 038 4300

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

BIDDER'S DETAILS

E-MAIL ADDRESS
FACSIMILE NUMBER CodeNumber
CELL PHONE NUMBER Code Number
TELEPHONE NUMBER Code Number
CONTACT PERSON
STREET ADDRESS
POSTAL ADDRESS
NAME OF BIDDER



Contents

Subi	mission Criteria	4
1.	Notice and Invitation to submit Proposals	4
2.	Submission Data – Specific Conditions of Contract.	5
4.	Evaluation Criteria	13
5	Tax Clearance Requirements	15
6	Returnable Schedules	16
6.1	Enterprise Questionnaire	16
6.2	Technical Proposal & Methodology Statement	20
6.3	Tax Clearance Certificate	2
6.4	B-BBEE Bid Declaration	22
6.5	Bidder's Declaration of Interest	23
6.6	Declaration of Bidder's Past Supply Chain Management Practices	20
6.7	Certificate of Independent Bid Determination	29
6.8	Certificate of Acceptance – General Conditions of Contract	3
6.9	Declaration of Acceptance – Bid Evaluation Criteria	3
6.1	Declaration of Understanding – Scope of Works	32
6.1	Certificate of Representation at Briefing Session	33
7 F	Pricing Schedule	34
8 F	Form of Tender	36
9 /	ADDENDA	39
9.1	Proposed Amendments and Qualifications	39



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. Fikile Manganyi

Telephone: + 27 (0) 11 038 4300

E-Mail: enqueries.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 **14**th **December 2016**, commencing at **11h00**.

The closing time for receipt of Proposals is

11h00 on Friday the 6th January 2017



2. Submission Data - Specific Conditions of Contract.

1. The Employer

The Employer is SANEDI and is referred to as the CLIENT or EMPLOYER.

2. Composition of Bid Document

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.

The documents associated with the calling for Proposals issued by the employer comprise:

Submission Criteria

- Notice and Invitation to Submit a Quotation
- Submission Data Specific Conditions of Contract
- Evaluation Criteria and Scoring
- Tax Clearance Requirements

Returnable Schedules

- 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

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

3. Bid Clarification Meeting

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 **Wednesday the 14th December 2016**, commencing at **11h00**.

Failure to complete the certificate of attendance and return with the Bid Documents will disqualify the submission.



4.	ELECTRONIC RETURN OF SUBMISSIONS AND NO MANUAL SUBMISSION WILL BE ACCEPTED.
7.	Submissions / Bid Documents may be returned to the CLIENT by means of Electronic Submissions via E-Mail.
	The Submission E-Mail address designated is <u>385.procurement@sanedi.org.za</u>
	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. Documents transmitted in an editable format will be regarded as non-returns and may render the submission unresponsive. The size limits for SANEDI Email is 20 MB. Bidders may submit more than one E-mail.
5.	The closing time for submissions is as stated in the Notice and Invitation to Submit a Proposal Quotation, in the manner specified is
6.	Closing date: Friday the 6 th January 2017 at 11h00 Telephonic, telegraphic, telex, facsimile submissions offers will not be accepted.
7.	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.
8.	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.
	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.
	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.
9.	Information and data to be completed in all respects 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.
	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.
10.	SANEDI Reserves the RIGHTS to contract with suppliers who are BEE Compliant.
11.	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.
12.	SANEDI reserves the to rotate suppliers



All respondents who submit responsive submissions and:

- 1) a) submit an original valid Tax Clearance Certificate issued by the South African Revenue Services or have made arrangements to meet outstanding tax obligations; b) proof of registration with the Construction Industry Development Board in an appropriate contractor grading designation; (submit Registration Number or proof of registration application)
- c) do not have any of their directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;
- d) have not abused the Employer's Supply Chain Management System or have failed to perform on any previous contract and have been given a written notice to this effect; e) have completed the Compulsory Enterprise Questionnaire and who are considered by the Employer not to have any conflicts of interest which may impact on their ability to perform the proposed contract in the best interests of the Employer or potentially compromise the tender process and are free of persons in the state who are not permitted to submit tenders or to participate in the contract; and
- f) are registered and in good standing with the compensation fund or with a licensed compensation insurer; and
- g) Submit a certified copy of the certificate to commence business, and
- h) Submit a certificate of incorporation (where applicable), or Company Registration Certificate
- 2) in the opinion of the Employer can as necessary demonstrate that they possess the necessary professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel to perform the contract;



3. Scope of works/Technical specifications

Project Background

The South African government has realised that a low carbon economy can bring benefits and in particular it will support climate change mitigation measures. The Government has already committed to reducing carbon emissions in South Africa by 34% by 2020 and 42% by 2025 depending on certain conditions. In order to meet these emissions reduction targets, several strategies will need to be used towards meeting this goal. One such strategy that should be considered is the potential of implementing hybrid energy harnessing technologies, whereby conventional fossil fuel energy technologies are augmented by renewable energies.

Reporting to the Department of Energy, the mandate of the South African National Energy Development Institute (SANEDI) is to serve as a catalyst for sustainable energy innovation, transformation and technology diffusion in support of South Africa's sustainable development. The Cleaner Fossil Fuels Programme houses the South African Centre of Carbon Capture and Storage (SACCCS), a national flagship programme of the National Climate Change Response Strategy White Paper. The Renewable Energy Centre of Research and development (RECORD) supports the mandate of SANEDI within the Renewables Programme.

South Africa's energy and climate change challenges are exacerbated by a reliance on fossil fuels for most of its primary energy supply. Approximately 90% of primary energy is derived from fossil fuels of which ~72% is coal. Moreover, coal provides ~85% of electricity generation capacity and ~92% of electricity production. Coal and gas are also used for the production of liquid fuels amounting to approximately 30% of the liquid fuels used in South Africa. This reliance on fossil fuels has led to ~440Mt CO₂ emissions per year.

South Africa's coal industry contributes significantly to employment opportunities, income generation as well as accounting for 6% of the country's total merchandised exports. Currently, there are two large coal-fired electricity generation stations under construction, namely Medupi and Kusile. South Africa also has a significant requirement for additional energy supply of electricity generation capacity as well as liquid fuel production. Furthermore, there are a multitude of other industries that contribute to national CO₂ emissions

Notwithstanding South Africa's continually increasing implementation of renewable energies and energy efficiency measures, fossil fuels are forecast to remain the major source of primary energy over the medium term.



South Africa is engaged in international climate change negotiations, addressing how to reduce CO₂ emissions, including domestic emissions. During the United Nations Framework Convention for Climate Change Conference of Parties in Copenhagen, the South African President committed the country to lower greenhouse gas emissions – provided that international support in the form of funding and technology was forthcoming to assist with such an action. Such a commitment entails the application of a portfolio of low carbon technologies. It is well known that the major sources of primary energy globally are fossil fuels. However, much of the usable energy available through the burning of coal, for example, is lost in the power station due to physical limitations of conversion efficiencies. If this energy loss could be partially mitigated by hybridisation with renewable energies, then less coal would be combusted to achieve the same electricity output as well as mitigating greenhouse gas emissions.

In 2013 the Australian Renewable Energy Agency (ARENA) conducted a study assessing the potential of hybridisation of fossil fuel energy generation for Australia. They found, for example, that the potential benefits of hybridisation of existing fossil fuel power generation could help to scale-up renewable energy technologies at lower cost than the construction of stand-alone renewable energy power plants. This main benefit could be realised through:

- Using an existing community of energy workers
- Reduced costs due to availability of existing grid connections and transmission infrastructure
- Low risks around environmental permissions
- Potential to re-use steam turbines.

Potential trials of hybrid solutions could also help demonstrate that renewables can supply power reliably, and give current fossil fuel generators experience in operating and maintaining renewable energy plants.

To date, through the REIPPPP (Renewable Energy Independent Power Producers Procurement Programme), many renewable energy sources are coming into the South African energy mix, which is still dominated by fossil fuels. South Africa has one of the best solar regimes in the world and thus the harnessing of electron energy carriers through photovoltaic (PV) technology or just heat energy is an obvious option for the country. Both of these sources have a high potential for hybridisation with the fossil fuel energy generation market. Several areas of focus could be considered:

- Fitting existing power stations with solar PV as a plug and play technology that provide electricity directly to the process.
- Utilising heat generated through solar temperature technology (such as direct heating and concentrating solar power – CSP) in conventional fossil electricity generating processes.
- Utilising heat (as obtained above) in the carbon dioxide capture processes that may be



implemented in South Africa, thus reducing the energy load this process would place on a power station.

- Utilising heat in the greenhouse gas emission mitigation processes of a power station
- Augmenting electricity output to the grid by increasing energy output of a power station with a PV plant. This could maintain the stability of the energy output level of a power station.

All of the above could also be applied in the liquid fossil fuels manufacturing industry of South Africa. By implication, this then leads to infrastructure development towards a more diverse, secure energy supply market and therefore local industry, job creation and skills development.

SANEDI is well placed both nationally and internationally to implement such a project as they would have the support of global bodies in doing so. For example, SANEDI is already a partner in a number of the International Energy Agency's (IEA) specialised implementing agreements that inter alia share information and learning at a global level.

The outputs of this project would be an appraisal of the potential for implementing solar energy in the fossil fuel energy industry of South Africa, addressing inter alia technical feasibility, economic feasibility, advantages and disadvantages. The study shall comprise workshops with interested and affected persons and make motivated recommendations for what hybrid systems demonstrations could be undertaken in South Africa through preliminary front-end designs and preliminary business plans.

It is expected that the project would follow the deliverable timeline and costing as presented below:

Scope of works

The scope of work for this project will seek to assess and appraise all fossil fuel, renewable energy hybridisation 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.

Work Package 1: Evaluate existing FF chains in SA and where RE can replace a component/portion of this

- Replacement (replace some of the fossil fuels with renewable energy)
- Augmentation (enhance some of the internal energy requirements with RE)
- Boost (increased output for external sales)

Work Package 2: Focal technologies

The contractor should make an assessment of RE/FF hybrid technologies, some examples of which are listed below, and any other identified technologies.



- Solar (heat and/or electricity)
 - Solar water heating systems (industrial-scale)
 - Commercial solar heat (e.g. industrial heat requirements)
 - Solar electricity (PV, CSP, etc.)
 - Solar chemistry
- Wind (electricity, mechanical)
- Biomass (woody, grasses, algae, invasives, etc.)
 - Pyrolysis
 - Charcoal processes
 - Torrefaction
 - Microbial digestion
- Co-firing
- Ocean energy (thermal gradient, tidal, salinity, wave, current)
- Hydro energy

Any other technologies that are considered important for inclusion by the contractor. The assessment should include, but not be limited to, a description of the technology and economic feasibility as well as their suitability for introduction to South Africa. This should not simply be a scan of available literature; the consultant should provide an assessment of how these technologies would be implemented within a hybrid energy system.

Work Package 3: Review current global and SA status and future plans

- Feasibility study on technologies that are being considered/tested/implemented and recommendation/identification which of the technologies discussed under WP2 should be considered in addition to the current ones being studied.
- Showcase success factors, hurdles/challenges, economics
- Global projects terminated and why?

The contractor should also assess whether some of the technologies discussed under 2 should be considered in addition to those identified as focal technologies in WP3.

Work Package 4: Techno-economic review

- User case studies
- Quantify economic and technical feasible displacement of fossil fuels through RE interventions
- What level of technology penetration would be needed to make a significant difference by the implementation of FF/RE hybrids in SA

Work Package 5: Workshop 1 with Stakeholders [as identified by SANEDI]

- · Workshop to be held at about 40% time mark of the project
- Presentation of Study results obtained to that point



- Discussion of current results and identification of gaps and areas of further study
- Outputs of workshop to be used to make any "mid-course" corrections

Work Package 6: Workshop 2 with Stakeholders [as identified by SANEDI]

- Presentation of Study results
- Discussion and convergence/recommendations on technologies that could be given consideration to be piloted in South Africa
- Outputs of workshop to be used as inputs to the Final Report recommendations

Work Package 7: Administration

The Contractor shall:

- · Record written minutes of each Project Steering Committee
- Circulate all minutes within 5 working days of the meeting
- Produce Progress Reports to be addressed at progress meetings

Payments will be made by SANEDI after acceptance by SANEDI of a Progress/Final Report and receipt of an itemised invoice and statement



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	Scoring Guidelines (1-10)	Weighting
Capability and experience of key staff. Curriculum vitaes of staff working on project should be attached.	 (a) 1 = 0-1 years or little to no relevant experience in the fossil fuel and renewable energy sector of any staff (b) 5 = 3-5 years of relevant experience in the fossil fuel and renewable energy sector across the proposed team (c) 10 = 5+ years of extensive relevant experience in the fossil fuel and renewable energy sector across the proposed team 	10%
Qualifications of the key staff involved in the project. Curriculum vitaes of staff working on project should be attached.	Experience: the team must show (projects and publications) experience in the field (fossil fuel and renewable energy technology exposure). (a) 1 = No relevant projects/publications in the field (b) 5 = Less than 7 relevant projects/publications in the field (c) 10 = More than 10 relevant projects/publications in the field	10%
Show a proven track record of previous projects done. Description of project team including roles, written testimonials of previous work including studies, published papers, etc., evidence of involvement in the ongoing South African Carbon Tax discussion	 (a) 1 = little to no relevant capacity, capabilities and experience within the organisation with little to no evidence and testimonials of previous relevant work in the fossil fuel and renewable energy sector (b) 5 = some relevant capacity, capabilities and experience with some evidence and at least 2-3 positive testimonials of previous relevant work in the fossil fuel and renewable energy sector (c) 10 = extensive relevant capacity, capabilities and experience within the organisation with extensive evidence and at least 5+ positive testimonials of previous relevant in the fossil fuel and renewable energy sector 	20%
Experience of the organisation. Description of the company profile, company history including the number of years in the related field.	 (a) 1 = 0-1 year experience in the related field (b) 5 = 3-5 years' experience in the related field (c) 10 = 5+ years' experience in the related field 	10%
Indication of the South African component in the project plan (indication of the hours allocated to SA Residents)	 (a) 1 = No South African component (b) 5 = At least 50% of the allocated hours on the project are allocated to SA residents (c) 10 = 100% of the allocated hours on the project are allocated to SA residents 	10%
Methodology of the Study	(a) 1 = repetition of the "Scope of Work"(b) 5 = outline of methodology	30%



Develo	general linearitation chicks and		
		(c) 10 = detailed methodology that includes other factors, not directly addressed above, but deemed necessary for the study	100/
	Detailed plan on capacity building within the consulting company embedded in project plan	 (a) 1 = no plan with no indication of skills and capacity building in consulting company for the fossil fuel and renewable energy sector (b) 5 = some relevant skills development and transfer planned in consulting company for the fossil fuel and renewable energy sector (c) 10 = comprehensive plan for skills development and transfer planned in consulting company for the fossil fuel and renewable energy sector 	10%
	Threshold	Tellewable ellergy sector	70
	Total		100
15.	The Bid will be evaluated on 80/20 Prefer Framework Act,2000	ential Point System according to the Preferential Procure	ment Policy
	The points scored out of 80 should be calc	ulated according to the following formula:	
	(i) The 80/20 preference poin	nt system	
	Ps = 80 (1 - <u>Hs -</u> R		
	Hs = highest percentage scored by an	nd price of the bid/proposal under consideration by acceptable bidder for functionality and price lity and price by bid/proposal under consideration	

16.

The maximum score for this bid shall be awarded as follows:

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)
	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
10.	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
19.	period of 1 (one) year from the date of approval.
20.	The original Tax Clearance Certificate must be submitted together with the bid. Failure
20.	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
21.	must submit a separate Tax Clearance Certificate.
22.	Copies of the TCC 001 "Application for a Tax Clearance Certificate" form are available
22.	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.
23.	In order to use this provision, taxpayers will need to register with SARS as eFilers
	through the website www.sars.gov.za.
0.4	FAILURE TO SUBMIT A VALID TAX CLEARANCE CERTIFICATE WILL RENDER THE BID AS
24.	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	r, if any:			
3	, - ,			
Section 3: CIDB registration number	r, if any:			
Section 4: Particulars of sole propri	etors 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				
Complete only it sole proprietor of partitership and attach separate page if more than 5 partiters				
Section 5: Particulars of companies and close corporations				
Company registration number				
Close corporation number	Close corporation number			
Tax reference number				



Section 6: Record in the service of the	Section 6: Record in the service of the state			
	s with a cross, if any sole proprietor, partner in a part eholder in a company or close corporation is current following:			
 a member of any municipal coun a member of any provincial legisl a member of the National A National Council of Province a member of the board of municipal entity an official of any municipality or in 	assembly or the Act, 1999 (Act 1 of 1999) a member of an accounting a member of a member of an accounting a member of an accounting a member of a member of an accounting a member of a membe	onstitutional ublic Finance authority of a	l institution e Management any national	
If any of the above boxes are marked,		l s s		
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 s	opriate column)	
		Current	Within last 12 months	
*insert separate page if necessary				
Indicate by marking the relevant boxes partnership or director, manager, prince	n and parents in the service of the state swith a cross, if any spouse, child or parent of a sole cipal shareholder or stakeholder in a company or close en 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 Enterpris	se Bidding:
Name of Authoris	ed Representative
Signature of Auth	orised 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 6 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.

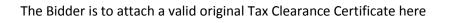
DECLARATION OF BIDDER - TECHNICAL PROPOSAL AND METHODOLOGY STATEMENTS

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 5.2 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 Author	sed Bidder
Date	



6.3 Tax Clearance Certificate





6.4 B-BBEE Bid Declaration

B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED		Points Claimed
(Points claimed for BBBEE must be substantiated by means of a certificate issued by a Verification Agency accredited by SANAS Auditor approved by IRBA or an Accounting Officer as contemple	or a Registered	
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?	T	
ertify that the B-BBEE information furnished on this declaration	form is true and o	correct and atta
ertify that the B-BBEE information furnished on this declaration current broad-based black economic empowerment certificate accept that, in addition to cancellation of a contract, action may	form is true and cas verified by an a	correct and atta
ertify that the B-BBEE information furnished on this declaration current broad-based black economic empowerment certificate accept that, in addition to cancellation of a contract, action may eclaration prove to be false.	form is true and cas verified by an abe	correct and att
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ertify that the B-BBEE information furnished on this declaration current broad-based black economic empowerment certificate accept that, in addition to cancellation of a contract, action may eclaration prove to be false. ame of Enterprise Bidding:	form is true and cas verified by an able taken against	correct and att accredited age me should this



6.5 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 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

- 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.

In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

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? (Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.		
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?		



Development was tune chock use			
If so, furnish particular	s:		
Do you, or any person	connected with the bidder, have	any relationship	
(family, friend, other) v	with a person employed by the st valuation and or adjudication of t	ate and who may	
If so, furnish particular	s:		
company have any inte	rectors / trustees / shareholders erest in any other related compar bidding for this contract? s:		
Full details of director	s / trustees / members	/ shareholders.	
	,	,	
The names of all directors / tru	stees / shareholders / members,	their individual identity nu	mbers, tax reference numbers
	PERSAL numbers must be indicat		,
		T	T
Full Name	Identity Number	Personal Income Tax Reference Number	State Employee Number / Persal Number
Full Name	Identity Number		
Full Name	Identity Number		
Full Name	Identity Number		
Full Name	Identity Number		
Full Name	Identity Number		
Full Name	Identity Number		
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Full Name	Identity Number		
Full Name	Identity Number		
Full Name	Identity Number		
Full Name	Identity Number		
Full Name	Identity Number		
Full Name	Identity Number		
Full Name	Identity 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

- 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.
- 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.
- In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
rte	Question.		110
4.1	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?	Yes	No
	(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 audi alteram partem rule was applied).		
	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.		
4.1.1	If so, furnish particulars:		



4.2	Is the bidder or any of its directors listed on the Register for Tender	Yes	No
	Defaulters in terms of section 29 of the Prevention and Combating of		
	Corrupt Activities Act (No 12 of 2004)?		Ш
	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.		
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including	Yes	No
	a court outside of the Republic of South Africa) for fraud or corruption		
	during the past five years?		Ш
4.3.1	If so, furnish particulars:		
4.4	Was any contract between the bidder and any organ of state terminated	Yes	No
	during the past five years on account of failure to perform on or comply with the contract?		
	with the contract:		
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 statement 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 Enterpr	se Bidding:
Name of Authori	sed Representative
Signature of Auth	norised 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 Genera 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 al 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 385	14th December 2016
We, the undersigned, herewith certify that or	ur representative,
ID Number	Telephone Number:
E-Mail Address:	
who holds the following position within our c	company
•	company at the briefing session held on the ledge that we are fully conversant with the tender o submit a proposal.
I confirm that I am duly authorised to sign thi	s Schedule
NAME (PRINT)	CAPACITY
SIGNATURE	DATE
NAME OF FIRM	
	esentative, who particulars are detailed hereon (Employer's representative)
Signed	Official Stamp



7 Pricing Schedule

Activities as per		of the project		
NAME	POSITION IN TEAM	HOURLY RATE	HOURS	COST
Activity 1				
Activity 2				
Activity 2	l l		T	
Activity 3				
A ativity . A				
Activity 4	I		T	
Activity 5				
Activity 6	T			
Additional costs		1	1	
		ts (EXCL.) VAT		
		VAT		
	Total Cos	st (INCL.) VAT		



AMOUNT IN WORDS	•			
To be carried forward	to Section 8			
Form of Tender BID 3	385			
SIGNATURE OF	BIDDER			
I confirm that I am dul	y authorised to sig	gn and certify th	at the price	indicated on the schedule is our
bid price submitted		•	•	
5.0 p. 100 00.0				
NAME (PRINT)			CAPACITY	
, ,				
SIGNATURE	•••••			
NAME OF FIRM			DATE	



8 Form of Tender

25.	Conditions of Acceptance		
	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 (N0)" whichever being applicable.		
26.	Confidentiality 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.		
27.	The service provider shall ensure that all its officers, employees, agents or subcontractors treat all information relating to the services as confidential.		
28.	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.		
29.	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.		
30.	Priced Proposal		
31.	The Bid is a FIXED PRICE PROPOSAL and clause 48 shall apply. Clause 49 is not applicable. FIXED PRICE PROPOSAL 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		
32.	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.		
33.	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.		
34.	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.		



- 1	The second secon
35.	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.
36.	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.
37.	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 385 at the price/s quoted. This offer remains binding and open for acceptance by the purchaser during the validity period indicated and calculated from the closing time of bid.
38.	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. 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
39.	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.
40.	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.
41.	This Clause is intentionally left blank

	THE HAIDEDCIONED (MANAE)	
١.	. 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 385) 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:

Schedule 9 shall be:	ent tree o	r exceptions,	amenaments	or qualifications	save	tnose	liste
Tender Amount	R						

Amount in Words



Name of Enterp	rise Bidding:
Name of Author	ised Representative
Signature of Au	thorised Bidder
Date	



9.1 Proposed Amendments and Qualifications

	The Tenderer sl	nould record any devi	iations or qualifications they may wish to make to the tender documents in					
	this Returnable Schedule.							
42.	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 summitted at the time of Tender. 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.							
	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							
	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.							
	Page	Clause or item	Proposal					
Name of Ent	erprise Bidding	:						
Name of Aut	horised Repres	sentative						
Signature o	f 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.		
	1	
Name	of Enterprise Bidding:	
Name	of Authorised Representativ	/e
Signatı	ure of Authorised Bidder	
Date		