

Request for Proposals (RFP)

The provision of services for the supply and installation of Solar Photovoltaic (PV) Roof-top systems to the CSIR

RFP No. 3157/17/11/2017

Date of Issue	Tuesday, 17 October 2017	
Compulsory briefing session and site inspection	Thursday, 26 October 2017 Venue: CSIR Pretoria Campus – Central Station Building 22 Time: 13h00- 15h00	
Closing date for submissions	Friday, 17 November 2017	
Place	Tender box, CSIR Main Reception, Gate 3 (North Gate)	
Enquiries	Strategic Procurement Unit	E-mail: tender@csir.co.za
CSIR business hours	08h00 – 16h30	
Category	Construction	

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SECTION A – TECHNICAL INFORMATION

1 INTRODUCTION

The Council for Scientific and Industrial Research (CSIR) is one of the leading scientific research and technology development organisations in Africa. In partnership with national and international research and technology institutions, CSIR undertakes directed and multidisciplinary research and technology innovation that contributes to the improvement of the quality of life of South Africans. Increasing the diversity of South Africa's energy production mix is important to mitigate climate change while enhancing supply security. The CSIR aims to help the country achieve an energy-secure and low-carbon national economy.

The CSIR's main site is in Pretoria while it is represented in other provinces of South Africa through regional offices.

2 BACKGROUND

The CSIR has established an Energy Centre that has the mandate to define and implement the CSIR's energy research agenda. The CSIR Energy Centre through its Energy Autonomous Campus (EAC) program, would like to procure services for the supply and installation of solar photovoltaic (PV) rooftop systems. The rooftop systems will be installed on five (5) buildings on the CSIR Pretoria Campus.

3 INVITATION FOR PROPOSAL

Proposals are hereby invited for the supply and installation of Solar Photovoltaic (PV) Roof-top systems to the CSIR to the CSIR's.

The CSIR invites tenders for the Engineering, Procurement and Construction (EPC) of a fixed tilt photovoltaic solar power facility of at least 900 kWp as well as Operations and Maintenance (O&M). The Project shall be executed under the NEC4 Engineering and Construction Contract (ECC) using Option A (Priced Contract with Activity Schedule) with selected Secondary Options.

4 PROPOSAL SPECIFICATION

All proposals are to be submitted in a format specified in this enquiry (if applicable). However, tenderers are welcome to submit additional / alternative proposals over and above the originally specified format.

Successful tenderers will need to submit their proposed Construction Programme for duration of the contract.

The scope of work is the following (more specifically defined in the employer's works information):

- Full design of the PV Facility according to applicable local and international standards.
- Supply of PV modules, inverters, mounting structure, cabling, mounting hardware reticulation, grid connection works and remote monitoring and control.
- Full design of 100 Kw Lithium Ion battery storage (including battery inverter) at building 10 for peak shaving, energy arbitrage as the primary use case and applicable to the local and international standards.
- Mechanical Completion in terms of the employers works information and inspection by the Supervisor.
- Commissioning in terms of the Employers Works information and inspection by the Supervisor.
- Submission of preliminary and final as build design documentation as well as grid code compliance certificate to Tshwane Municipality.
- 36 months Defects period, operation and maintenance (O&M) period (a separate O&M Contract shall be entered into)
- 36 month training programme of CSIR facilities Maintenance staff (3) in PV facility O&M.

Note: Tenderer shall price for all activities of the contract as set out in the activity schedule in the Invitation to Tender Schedule.

Please note that all required drawings and grid connection information will be shared at the compulsory site briefing.

NB: The detailed work's information is published along with this tender as annexure B.

5 FUNCTIONAL EVALUATION CRITERIA

5.1 The evaluation of the functional / technical detail of the proposal will be based on the following criteria:

No.	Criteria	Description	Points %
1	Experience of the firm in managing EPC contracts in similar projects in South Africa	Evaluation of the experience and technical strengths of the key staff in solar PV projects. The value of the projects worked on will be reviewed.	10
2	Track record and experience as EPC in similar projects- Similar projects done as stated in the project scope of works in South Africa	Evaluation of the contractor's experience in delivering EPC services on PV projects. The number of projects completed will be reviewed.	10
3	Realistic time frame and lead time	Proposed timelines will be assessed in terms of accuracy.	7.5
4	Work plan/Proposed implementation program	The accuracy of the programme in meeting the key dates in the contract data will be assessed.	7.5
5	Quality of design & documentation	The quality of design documentation, construction methods proposed and materials used will be evaluated for these components of the works. These evaluations will <u>exclude</u> any matters relating to performance of equipment	40
a	PV facility (layout)		
b	Electrical system		
c	Monitoring system		
d	Battery system		
6	O&M service plan	The adequacy of the O&M activities, response times and methodologies will be evaluated	10
7	Training program	The adequacy of the training programme for CSIR's staff will be evaluated	5
8	Financial Rating (provide financial rating letter from bank)	The bidders will be evaluated on their financial rating and stability	10
	Total %		100

- 5.2 Proposals with functionality / technical points of less than the pre-determined minimum overall percentage of 70 % and less than 40 % on any of the individual criteria will be eliminated from further evaluation.
- 5.3 Refer to Annexure A for the scoring sheet that will be used to evaluate functionality.

6 ELIMINATION CRITERIA

Proposals will be eliminated under the following conditions:

- Submission after the deadline;
- Minimum overall designed PV installed capacity on the CSIR selected rooftops of 900 kWp;
- Proposals submitted at incorrect location;
- Non-attendance of the compulsory briefing session / site inspection; and
- Failure to meet the stipulated local content and production requirements.

7 NATIONAL TREASURY CENTRAL SUPPLIER DATABASE REGISTRATION

Before any negotiations will start with the winning bidder it will be required from the winning bidder to:

- be registered on National Treasury's Central Supplier Database (CSD). Registrations can be completed online at: www.csd.gov.za;
- provide the CSIR of their CSD registration number; and
- provide the CSIR with a certified copy of their B-BBEE certificate. If no certificate can be provided, no points will be scored during the evaluation process. (RSA suppliers only)

SECTION B – TERMS AND CONDITIONS

8 VENUE FOR PROPOSAL SUBMISSION

All proposals must be submitted at:

- **CSIR GATE 03 - Main Reception Area** (in the **Tender box**) at the following address
Council for Scientific and Industrial Research (CSIR)
Meiring Naudé Road
Brummeria
Pretoria
South Africa

9 TENDER PROGRAMME

The tender program, as currently envisaged, incorporates the following key dates:

- Issue of tender documents: 17 October 2017
- Compulsory briefing session / site inspection: 26 October 2017
- Last date for submission of queries: 15 November 2017
- Closing / submission Date: 17 November 2017
- Estimate appointment date of successful tenderer: 12 December 2017
- Estimated contract duration (in months/years) 4 months

10 SUBMISSION OF PROPOSALS

10.1 All proposals are to be sealed. No open proposals will be accepted.

10.2 All proposals are to be clearly marked with the RFP number and the name of the tenderer on the outside of the main package. Proposals must consist of two parts, each of which is placed in a separate sealed package clearly marked:

PART 1: Technical Proposal: RFP No.: 3157/17/11/2017

PART 2: Pricing Proposal, B-BBEE and other Mandatory Documentation:

RFP No.: 3157/17/11/2017

10.3 Proposals submitted by companies must be signed by a person or persons duly authorised.

10.4 The CSIR will award the contract to qualified tenderer(s)' whose proposal is determined to be the most advantageous to the CSIR, taking into consideration the technical (functional) solution, price and B-BBEE.

11 DEADLINE FOR SUBMISSION

Proposals shall be submitted at the address mentioned above no later than the **extended** closing date of **Friday, 17 November 2017** during CSIR's business hours. The CSIR business hours are between 08h00 and 16h30.

Where a proposal is not received by the CSIR by the due date and stipulated place, it will be regarded as a late tender. Late tenders will not be considered.

12 AWARDING OF TENDERS

12.1 Awarding of tenders will be published on the National Treasury e-tender portal or the CSIR's tender website. No regret letters will be sent out.

13 EVALUATION PROCESS

13.1 Evaluation of proposals

All proposals will be evaluated by an evaluation team for local content and production, functionality, price and B-BBEE. Based on the results of the evaluation process and upon successful negotiations, the CSIR will approve the awarding of the contract to successful tenderers.

A two-phase evaluation process will be followed.

- The first phase includes evaluation of **elimination, including local content and production and functionality criteria.**
- The second phase includes the evaluation of **price** and **B-BBEE** status.

Pricing Proposals will only be considered after functionality phase has been adjudicated and accepted. Only proposals that achieved the specified minimum qualification scores for functionality will be evaluated further using the preference points system.

13.2 Preference points system

The 80/20 preference point system will be used where 80 points will be dedicated to price and 20 points to B-BBEE status.

14 PRICING PROPOSAL

- 14.1 Pricing proposal must be cross-referenced to the sections in the Technical Proposal. Any options offered must be clearly labelled. Separate pricing must be provided for each option offered to ensure that pricing comparisons are clear and unambiguous.
- 14.2 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 14.3 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable.
- 14.4 Only firm prices* will be accepted during the tender validity period. Non-firm prices** (including prices subject to rates of exchange variations) will not be considered.

**Firm price is the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax which, in terms of a law or regulation is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;*

***Non-firm price is all prices other than "firm" prices.*

14.5 Explanation of the Financial Model:

The financial shall be based purely on the Levelised Cost of Electricity (LCOE) resulting in the combination of CAPEX, OPEX and PR guarantee provided by the Bidder.

The Bidder is required to provide 4 (four) inputs:

1. The installed capacity of the PV Facility (kWp)
2. The tendered lump sum Price for the *works* (ZAR)
3. The tendered O&M Price for the first year (ZAR)
4. The Guaranteed 3 year average Performance Ratio using Global Horizontal Irradiation (GHI) as reference (please see the *Works* Information for formulae). This PR shall include

the Contractor's expectation of unscheduled unavailability and degradation. The model applies a fixed assumed rate of degradation thereafter

INPUTS TO BE PROVIDED BY TENDERERS

Design system installed DC capacity		kWp
Tendered price for EPC part		R
Tendered price for O&M in year 1		R/yr
Guaranteed Performance Ratio (PR)		

14.6 Payment will be according to the CSIR Payment Terms and Conditions.

15 VALIDITY PERIOD OF PROPOSAL

Each **proposal** shall be valid for a minimum period of three (3) months calculated from the closing date.

16 APPOINTMENT OF SERVICE PROVIDER

16.1 The contract will be awarded to the tenderer who scores the highest total number of points during the evaluation process, except where the law permits otherwise.

16.2 Appointment as a successful service provider shall be subject to the parties agreeing to mutually acceptable contractual terms and conditions. In the event of the parties failing to reach such agreement CSIR reserves the right to appoint an alternative supplier.

16.3 Awarding of contracts will be announced on the National Treasury website and no regret letters will be sent to unsuccessful bidders.

17 ENQUIRIES AND CONTACT WITH THE CSIR

Any enquiry regarding this RFP shall be submitted in writing to CSIR at tender@csir.co.za with "***RFP No 3157/17/11/2017 - The provision of services for the supply and installation of Solar Photovoltaic (PV) Roof-top systems to the CSIR***" as the subject.

Any other contact with CSIR personnel involved in this tender is not permitted during the RFP process other than as required through existing service arrangements or as requested by the CSIR as part of the RFP process.

18 MEDIUM OF COMMUNICATION

All documentation submitted in response to this RFP must be in English.

19 COST OF PROPOSAL

Tenderers are expected to fully acquaint themselves with the conditions, requirements and specifications of this RFP before submitting proposals. Each tenderer assumes all risks for resource commitment and expenses, direct or indirect, of proposal preparation and participation throughout the RFP process. The CSIR is not responsible directly or indirectly for any costs incurred by tenderers.

20 CORRECTNESS OF RESPONSES

20.1 The tenderer must confirm satisfaction regarding the correctness and validity of their proposal and that all prices and rates quoted cover all the work/items specified in the RFP. The prices and rates quoted must cover all obligations under any resulting contract.

20.2 The tenderer accepts that any mistakes regarding prices and calculations will be at their own risk.

21 VERIFICATION OF DOCUMENTS

21.1 Tenderers should check the numbers of the pages to satisfy themselves that none are missing or duplicated. No liability will be accepted by the CSIR in regard to anything arising from the fact that pages are missing or duplicated.

21.2 **One hard copy and one electronic copy (CD or USB memory key)** of each proposal must be submitted. In the event of a contradiction between the submitted copies, the hard copy shall take precedence.

21.3 Pricing schedule and B-BBEE credentials should be submitted with the proposal, but as a separate document and no such information should be available in the technical proposal.

21.4 If a courier service company is being used for delivery of the proposal document, the RFP description must be endorsed on the delivery note/courier packaging to ensure that documents are delivered to the tender box, by the stipulated due date.

22 SUB-CONTRACTING

- 22.1 A tenderer will not be awarded points for B-BBEE status level if it is indicated in the tender documents that such a tenderer intends sub-contracting more than **25%** of the value of the contract to any other enterprise that does not qualify for at least the points that such a tenderer qualifies for, unless the intended sub-contractor is an exempted micro enterprise that has the capability and ability to execute the sub-contract.
- 22.2 A tenderer awarded a contract may not sub-contract more than **25%** of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an exempted micro enterprise that has the capability and ability to execute the sub-contract.

23 LOCAL CONTENT

- 23.1 Only locally manufactured Solar PV System and Components with a prescribed minimum threshold for local production and content will be considered.
- 23.2 Tenderers must clearly indicate the quantities of Solar PV System and Components to be supplied and the level of local content for each product.
- 23.3 The guidelines and declarations should be used by tenderers when preparing a tender. Guidance on the calculation of local content and manufacturing can be assessed on the dti's official website – http://www.thedti.gov.za/industrial_development/ip.jsp
- 23.4 Tenderers must complete Declarations D and E, and consolidate the information on Declaration C. Annexures C, D and E must be submitted with the tender by the closing date and time as determined by the CSIR.
- 23.5 If the tender is successful, the tenderer must continuously update Declarations C, D and E with actual values for the duration of the contract.
- 23.6 If the quantity of the products and components required cannot wholly be sourced from South African (SA) based manufacturers and/or at the designated local content threshold at any particular time, bidders should obtain written exemption from the dti to supply the remaining portion of the products at a lower local content threshold. The dti, in consultation with the procuring organ of state, will grant exemption on a case by case basis, and will consider the following:
- Required volumes in the particular bid;
 - Available collective SA industry manufacturing capacity at the time;
 - Delivery times;

- Availability of inputs materials and components;
- Technical consideration including operating conditions; and
- Material of construction.

23.7 Bidders must clearly indicate in their bids, the quantities of products to be supplied, and the level of local content for each product.

23.8 Applicable local production and content minimum thresholds for this tender are as per the table below:

Component	Local Content	Minimum Local Content Threshold
Laminated PV Module	Applicable	15%
Module frame	Applicable	65%
DC Combiner Boxes	Applicable	65%
Mounting Structure	Applicable	90%
Inverter	Not applicable	N/A

24 TRAVEL EXPENSES

24.1 All travel expenses for the CSIR's account, be it directly via the CSIR's travel agent or indirectly via re-imbursements, must be in line with the CSIR's travel policy. The following will apply:

24.1.1 Only economy class tickets will be used.

24.1.2 A maximum of R1300 per night for accommodation, dinner, breakfast and parking will be allowed.

24.1.3 No car rentals of more than a Group B will be accommodated.

25 ADDITIONAL TERMS AND CONDITIONS

25.1 A tenderer shall not assume that information and/or documents supplied to CSIR, at any time prior to this request, are still available to CSIR, and shall consequently not make any reference to such information document in its response to this request.

25.2 Copies of any affiliations, memberships and/or accreditations that support your submission must be included in the tender.

25.3 In case of proposal from a joint venture, the following must be submitted together with the proposal:

- Joint venture Agreement including split of work signed by both parties;
- The original or certified copy of the B-BBEE certificate of the joint venture;

- The Tax Clearance Certificate of each joint venture member;
- Proof of ownership/shareholder certificates/copies; and
- Company registration certificates.

25.4 An omission to disclose material information, a factual inaccuracy, and/or a misrepresentation of fact may result in the disqualification of a tender, or cancellation of any subsequent contract.

25.5 Failure to comply with any of the terms and conditions as set out in this document will invalidate the Proposal.

26 CSIR RESERVES THE RIGHT TO

26.1 Extend the closing date;

26.2 Verify any information contained in a proposal;

26.3 Request documentary proof regarding any tendering issue;

26.4 Give preference to locally manufactured goods;

26.5 Appoint one or more service providers, separately or jointly (whether or not they submitted a joint proposal);

26.6 Award this RFP as a whole or in part;

26.7 Cancel or withdraw this RFP as a whole or in part.

26. Annexure A: Functionality scoring sheet

Item No	Sub-criteria	Non-Responsive (0%)	Poor (50%)	Satisfactory (70%)	Excellent (100%)
1	EXPERIENCE OF THE FIRM IN MANAGING EPC CONTRACTS OF SIMILAR SIZE (200 kWp), SCOPE AND COMPLEXITY (20%)				
1.1	Experience of the firm in managing EPC contracts in similar projects <i>in South Africa</i>	** failed to address requirements/do not respond	>R1m &<R2m	>R2m to R4m	>4m
1.2	Similar projects as stated in the Project Scope of Works <i>in South Africa</i>	** failed to address requirements/do not respond	2 projects	between 3 & 5 projects	>6 projects
Item No	Sub-criteria	Non-Responsive (0%)	Poor (40%)	Satisfactory (70%)	Excellent (100%)
2	PRELIMINARY CONSTRUCTION PROGRAMME (15%)				
2.1	<i>Realistic timeframe</i>	** failed to address requirements/do not respond	>121 days	120 days	<90 days
2.2	<i>Work plan/Proposed implementation programme</i>	** failed to address requirements/do not respond	The activity schedule omits important tasks or the timing of the activities and correlation among them are inconsistent with project deliverables. There is lack of clarity and logic in the sequencing. All key activities are included in the activity schedule, but are not detailed. There are minor inconsistencies between timing and project deliverables.	The work plan fits the project deliverables well; all important activities are indicated in the activity schedule and their timing and sequencing is appropriate and consistent with project objectives and requirements. There is a fair degree of detail that facilitates understanding of the proposed work plan.	The sequencing and timing of activities are very well defined, indicating that the Tenderer has optimized the use of resources. The work plan permits flexibility to accommodate contingencies.

Item No	Sub-criteria	Non-Responsive (0%)	Poor (40%)	Satisfactory (70%)	Excellent (100%)
3	QUALITY OF THE DESIGN AND DOCUMENTS AND METHOD PROPOSED (40)				
	Quality of design & documentation a) PV facility b) Electrical system c) Monitoring system d) Battery system	** failed to address requirements/do not respond	The proposed method and design is generic and not tailored to address the specific project objectives and requirements. Only the PV plant layout and short summary of components is provided. No detailed description of information.	The proposed method and design is specifically tailored to address the specific project objectives and requirements.	Besides meeting the satisfactory rating, The important issues are approached in an innovative and efficient way. The tenderer has included the detailed layout design for each component of the PV plant including the energy output.
Item No	Sub-criteria	Non-Responsive (0%)	Poor (40%)	Satisfactory (70%)	Excellent (100%)
4	O&M SERVICE PLAN (10%)				
	Bidders must provide the O&M service plan	** failed to address requirements/do not respond	The O & M service document does not include the detailed description of each component.	The O & M service document includes the detailed description of each component.	Besides meeting the satisfactory rating, service plan includes the inspection and maintenance reports on a monthly, quarterly and annually

Item No	Sub-criteria	Non-Responsive (0%)	Poor (40%)	Satisfactory (70%)	Excellent (100%)
5	TRAINING PROGRAMME (5%)				
	Bidders must provide the training programme	** failed to address requirements/do not respond	The programme is generic description is not clearly outlined	The training programme includes the description for each different programme and the scope of training is well defined.	The training programme includes the description of each different programme, the scope of training and the schedule of the training is well defined. The tenderer has submitted the training schedule for both theoretical and practical training to be provided.
	Sub-criteria	Non-Responsive (0%)	Poor (40%)	Satisfactory (70%)	Excellent (100%)
6	FINANCIAL RATING (10)				
	<i>Bidders must provide financial rating letter from their Bank- letter must be stamped and signed by bank</i>	** failed to address requirements/do not respond	D or less	C	B and above

TECHNICAL RETURNABLES

These are returnable schedules required for Tender Evaluation Purposes only.

RETURNABLES CHECKLIST

NOTE: The tenderer is required to complete each and every schedule listed above to the best of his ability as the evaluation of tenders and the eventual contract will be based on the information provided by the tenderer. Failure of a tenderer to complete the schedules and forms to the satisfaction of the employer will inevitably prejudice the tender and may lead to rejection on the grounds that the tender is not responsive.

The tenderer must complete the following returnable documents:

RETURNABLE DOCUMENTS –			
TECHNICAL RETURNABLES			
Returnable Schedules required only for Tender Evaluation Purposes.			
Included		Yes	No
27	Completed local content declaration C		
28	Completed local content declaration D		
29	Completed local content declaration E		
30	Declaration certificate for local production and content for designated sectors		
31	Schedule of tenderer's experience		
32	Design- Contractor's Works Information		
33	The preliminary Programme		
34	Activity Schedule		
35	Operations and Maintenance Proposal		
36	Training plan		
37	Financial rating letter from the bank		
PRICING PROPOSAL RETURNABLES			
Returnable Schedules required only for Tender Evaluation Purposes.			
38	Financial proposal		
39	B-BBEE Certificate		

27 COMPLETED LOCAL CONTENT DECLARATION C

28 COMPLETED LOCAL CONTENT DECLARATION D

29 COMPLETED LOCAL CONTENT DECLARATION E

30 DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) on the date of advertisement of the bid as indicated in paragraph 3.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on http://www.thedti.gov.za/industrial_development/ip.jsp at no cost.

1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
_____	___%
_____	___%
_____	___%

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

3..1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.resbank.co.za

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

4. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO.

ISSUED BY: (Procurement Authority / Name of Institution):

.....

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thedti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of(name of bidder
entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
 - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above. The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 3.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

31 SCHEDULE OF THE TENDER'S EXPERIENCE

Employer: Contact Person and Telephone Number	Consulting Engineer (where applicable): Contact Person and Telephone Number	Nature Of Work	Value of Work (Inclusive of Vat)	Date Completed

Signed _____ Date _____
 Name _____ Position _____
 Tenderer _____

32 DESIGN – CONTRACTOR’S WORKS INFORMATION

The bidder is to provide their Contractor’s Works Information in the following format:

Section	Contents
Design Overview	<p>A high level description of the design, the technology used, the quality of materials.</p> <p>Confirmation of design according to the minimum technical criteria stated and standards of a professional Solar PV EPC company.</p>
Project delivery	<p>Explanation of the Contractor’s approach to the project, what machinery and equipment will be employed, list of subcontractors used.</p>
Technology Specifications	<p>Details of the technology used:</p> <ul style="list-style-type: none"> Modules Inverters Mounting structure Transformer DC cabling AC cabling Combiner boxes String monitoring Switchboards Protection devices Transformer protection UPS 2 x Soiling sensor 4 x Pyranometer Monitoring Lithium Ion Battery storage system Metering Valid certificates of compliance Equipment warranties
Schematics	<p>Physical layout (pdf and dwg) Single line diagrams (LV, AC, communications, earthing system, monitoring)</p>

SIGNATURE:

DATE:

(of person authorised to sign on behalf of the Tenderer)

33 PRELIMINARY PROGRAMME

The bidder is to provide a Gantt chart describing their programme referencing the activities in the Activity Schedule and the Key Dates.

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

34 ACTIVITY SCHEDULE

The bidder is required to complete this activity schedule in full.

Ref	Component	Description	Measureable Quantity	Unit of measurement	Price (ZAR)
1	Detailed design of PV system including all auxiliary systems and facilities	Design		Lump sum	
2	Site Preparation, setting out, clearing,	Construction work		m ²	
3a	Mounting structure	Procurement		No. of units	
3b	Mounting structure	Construction work		No. of units	
4a	PV Modules	Procurement		kWp	
4b	PV Modules	Installation work		kWp	
5	DC Cabling, including ducting, terminations, MC4	Procurement		m	
6	DC Cabling, including ducting, terminations, MC4	Installation work		m	
7a	DC Combiner Box - if applicable (including protection devices)	Procurement		No. of units	
7b	DC Combiner Box - if applicable (including protection devices)	Installation work		No. of units	
8a	Inverters	Procurement		kW	
8b	Inverters	Installation work		kW	
9a	LV AC Cabling between inverters and boards (including ducting)	Procurement		m	
9b	LV AC Cabling between inverters and boards (including ducting)	Installation work		m	
10a	LV boards, switches, protection devices	Procurement		No. of units	
10b	LV boards, switches, protection devices	Installation work		No. of units	
11a	LV AC Cabling between boards and transformer (including ducting)	Procurement	N/A	m	N/A

Ref	Component	Description	Measurable Quantity	Unit of measurement	Price (ZAR)
11b	LV AC Cabling between boards and transformer (including ducting)	Installation work	N/A	m	N/A
12a	MV AC cabling between Transformer and RMU	Procurement	N/A	m	N/A
12b	MV AC cabling between Transformer and RMU	Installation work	N/A	m	N/A
13a	RMU	Procurement	N/A	No. of units	N/A
13b	RMU	Installation work		No. of units	
14a	Lightning protection and earthing (All parts)	Procurement		Lump sum	
14b	Lightning protection and earthing (All parts)	Installation work		Lump sum	
15a	Energy and Power Meters (including CTs and VTs)	Procurement		No. of units	
15b	Energy and Power Meters (including CTs and VTs)	Installation work		No. of units	
16a	Balance of plant eg. Fuses, SPDs, fire protection, signage, cable labels etc.	Procurement		No. of units	
16b	Balance of plant eg. Fuses, SPDs, fire protection, signage, cable labels etc	Installation work		No. of units	
17a	Transformer protection unit	Procurement	N/A	No. of units	N/A
17b	Transformer protection unit	Installation work	N/A	No. of units	N/A
18a	PV soiling monitoring (2x)	Procurement		No. of units	
18b	PV soiling monitoring	Installation work		No. of units	
19a	Pyranometer (4x)	Procurement		No. of units	
19b	Pyranometer	Installation work		No. of units	
20a	String monitoring system	Procurement		No. of units	
20b	String monitoring system	Installation work		No. of units	
21a	Control and monitoring system (Including SCADA server and user interface, all data cabling, all data monitoring and operation devices)	Procurement		No. of units	
21b	Control and monitoring	Installation work		No. of units	

Ref	Component	Description	Measureable Quantity	Unit of measurement	Price (ZAR)
	system (Including SCADA server and user interface, all data cabling, all data monitoring and operation devices)				
22	PV Facility commissioning and testing	Commissioning & Testing		Lump sum	
23	Setting up a site office, machinery & equipment, utilities	Preliminary & General		Lump sum	
24	O&M services for the first 3 years	O&M		Lump sum	
25	O&M Training Programme	Training		Lump sum	
26	OHSA health and safety plan, preparation, PPE, training	Preliminary & General		Lump sum	
27	Testing and Certification of Equipment	Preliminary & General		Lump sum	
28	Environmental plan	Preliminary & General		Lump sum	
29	Waste disposal plan	Preliminary & General		Lump sum	
30	Structure engineering report & certificate	Preliminary & General		Lump sum	
31	Spare parts	Procurement & delivery		No. of units	
32a	Lithium Ion battery storage system	Procurement		kW	
32b	Lithium Ion battery storage system	Installation work		kW	
33	Other	other		Lump sum	
				SUB TOTAL	
				VAT	
				TOTAL PRICE	

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

35 OPERATIONS AND MAINTANANCE

Bidder is required to provide an O&M strategy for delivering the required 36 month service.
Note that a separate O&M contract will be entered into.

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

36 TRAINING PLAN

Bidder is required to provide a detail training strategy for delivering the required 36 month service. The staff compliment to be trained is 3 skilled people.

37 FINANCIAL RATING LETTER FROM BANK

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

38 FINANCIAL PROPOSAL

The bidder is required to provide a signed binding pricing proposal confirming the:

- a) CAPEX as provided in the Financial Model (ZAR)
- b) OPEX (year 1) as provided in the Financial Model (ZAR)
- c) Guaranteed PR (based on Global Horizontal Irradiation) as provided in the Financial Model (%)
- d) The resultant LCOE (**see attached**) as calculated by the model (ZAR/kWh)

The performance liquidated damages as calculated by the model (ZAR/kWh)

SIGNATURE:
(of person authorised to sign on behalf of the Tenderer)

DATE:

39 B-BBEE CERTIFICATE OR SWORN AFFIDAVID

40 DISCLAIMER

This RFP is a request for proposals only and not an offer document. Answers to this RFP must not be construed as acceptance of an offer or imply the existence of a contract between the parties. By submission of its proposal, tenderers shall be deemed to have satisfied themselves with and to have accepted all Terms & Conditions of this RFP. The CSIR makes no representation, warranty, assurance, guarantee or endorsements to tenderer concerning the RFP, whether with regard to its accuracy, completeness or otherwise and the CSIR shall have no liability towards the tenderer or any other party in connection therewith.

DECLARATION BY TENDERER

Only tenderers who completed the declaration below will be considered for evaluation.

RFP No: 3157/17/11/2017

I hereby undertake to render services described in the attached tendering documents to CSIR in accordance with the requirements and task directives / proposal specifications stipulated in **RFP No.** at the price/s quoted. My offer/s remains binding upon me and open for acceptance by the CSIR during the validity period indicated and calculated from the closing date of the proposal.

I confirm that I am satisfied with regards to the correctness and validity of my proposal; that the price(s) and rate(s) quoted cover all the services specified in the proposal 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.

I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this proposal as the principal liable for the due fulfilment of this proposal.

I declare that I have no participation in any collusive practices with any tenderer or any other person regarding this or any other proposal.

I accept that the CSIR may take appropriate actions, deemed necessary, should there be a conflict of interest or if this declaration proves to be false.

I confirm that I am duly authorised to sign this proposal.

NAME (PRINT)
CAPACITY
SIGNATURE
NAME OF FIRM
DATE

WITNESSES	
1
2
DATE:	