

**BID DESCRIPTION:** Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.



**BID NUMBER:** HO/CRES/ENERGY-BEL/002/11/23

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**REQUEST FOR PROPOSAL (RFP) - APPOINTMENT OF AN ELECTRICAL CONTRACTOR FOR THE PROCUREMENT, ENGINEERING, SUPPLY, INSTALL, TEST AND COMMISSION INCLUDING MAINTENANCE OF 500 KW PHOTOVOLTAIC SOLAR ROOFTOP AT BELLE OMBRE STATION**

<b>CLOSING DATE</b>	13 December 2023
<b>CLOSING TIME</b>	12:00
<b>BRIEFING SESSION</b>	<b>COMPULSORY</b> <b>DATE: 22 November 2023</b> <b>TIME:10h00</b>
<b>BID DOCUMENTS DELIVERY ADDRESS</b>	<b>PASSENGER RAIL AGENCY OF SOUTH AFRICA</b> <b>UMJANTSHI HOUSE</b> <b>GROUND FLOOR</b> <b>30 WOLMARANS STREET</b> <b>BRAAMFONTEIN</b> <b>JOHANNESBURG</b>
<b>BIDDER NAME</b>	

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## Disclaimer

This document is provided solely for the purpose set out in this RFP and is not intended to form any part or basis of any investment decision by Bidders. The recipient should not consider the document as an investment recommendation by PRASA or any of its advisers.

Each person to whom this document (and other later documents) is made available must make his own independent assessment of the Project after making such investigation and taking such professional advice as he/she or it deems necessary. Neither the receipt of this document or any related document by any person, nor any information contained in the documents or distributed with them or previously or subsequently communicated to any Bidder or its advisers, is to be taken as constituting the giving of an investment advice by PRASA or its advisers.

Whilst reasonable care has been taken in preparing this RFP and other documents, they do not purport to be comprehensive or true and correct. Neither PRASA nor any of its advisers accept any liability or responsibility for the adequacy, accuracy or completeness of any of the information or opinions stated in any document.

They acquaint themselves with this RFP and take note that no representation or warranty, express or implied, is or will be given by PRASA, or any of its officers, employees, servants, agents or advisers with respect to the information or opinions contained in any document or on which any document is based. Any liability in respect of such representations or warranties, howsoever arising is hereby expressly disclaimed.

If any recipient, or its employees, advisers or agents make or offers to make any gift to any of the employees of PRASA or consultant to PRASA on the RFP either directly or through an intermediary then such recipient, Bidder will be disqualified forthwith from participating in the RFP.

Each recipient of this RFP agrees to keep confidential any information of a confidential nature which may be contained in the information provided (the "Confidential Information Provided"). The Confidential Information provided may be made available to Bidder's subcontractors, employees and professional advisers who are directly involved in the appraisal of such information (who must be made aware of the obligation of confidentiality) but shall not, either in the whole or in part, be copied, reproduced,

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distributed or otherwise made available to any other party in any circumstances without the prior written consent of PRASA, nor may it be used for any other purpose than that for which it is intended.

These requirements do not apply to any information, which is or becomes publicly available or is shown to have been made available (otherwise than through a breach of a confidentiality obligation). Bidders, Key Contractors and their constituent members, agents and advisers, may be required to sign confidentiality Contracts/undertakings (in such form as PRASA may require from time to time).

All Confidential Information Provided (including all copies thereof) remains the property of PRASA and must be delivered to PRASA on demand. Further, by receiving this RFP each Bidder and each of its members agrees to maintain its submission in Bid to this RFP confidential from third parties other than PRASA and its officials, officers and advisers who are required to review the same for the purpose of procurement of the RFP.

Any recipient residing outside the Republic of South Africa is urged to familiarise themselves with and to observe any regulatory requirements relevant to the proposed transaction (whether these derive from a regulatory authority within or outside the Republic of South Africa).

Any requirement set out in this RFP regarding the content of a response to the RFP is stipulated for the sole benefit of PRASA, and serves as expressly stated to the contrary, may be waived at its discretion at any stage in the procurement process.

PRASA is not committed to any course of action as a result of its issuance of this RFP and/or its receipt of a Proposal in response to it. Please note that PRASA reserves the right to:

- Modify the RFP's goods / service(s) / works and request Respondents to re-bid on any changes;
- Withdraw, amend the RFP at any time without prior notice and liability to compensate or reimburse any respondent;
- Reject any Proposal which does not conform to instructions and specifications which are detailed herein
- Disqualify Proposals submitted after the stated submission deadline;
- Call a respondent to provide additional documents which PRASA may require which have not been submitted to PRASA.
- Withdraw the RFP on good cause shown;

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- Award a contract in connection with this Proposal at any time after the RFP's closing date;
- Make no award at all;
- Validate any information submitted by Respondents in response to this bid. This would include, but is not limited to, requesting the Respondents to provide supporting evidence. By submitting a bid, Respondents hereby irrevocably grant the necessary consent to PRASA to do so;
- Request annual financial statements prepared and signed off by a professional accountant or other documentation for the purposes of a due diligence exercise; and/or
- Not accept any changes or purported changes by the Respondent to the bid rates after the closing date and/or after the award of the business, unless the contract specifically provided for it.

To adopt any proposal made by any bidder at any time and to include such proposal in any procurement document which may or may not be made available to other bidders.

All costs and expenses incurred by Bidders in submitting responses to this RFP shall be borne by the Bidders and PRASA shall not be liable for any costs or expenses whatsoever or any claim for reimbursement of such costs or expenses.

Should a contract be awarded on the strength of information furnished by the Respondent, which after conclusion of the contract, is proved to have been incorrect, PRASA reserves the right to cancel the contract and/or place the Respondent on PRASA's list of Restricted Suppliers.

PRASA reserves the right to negotiate market-related price with the bidder scoring the highest points or cancel the bid; if the bidder does not agree to a market related price, negotiate a market related price with the bidder scoring the second highest points or cancel the bid; if the bidder scoring the second highest points does not agree to a market related price, negotiate a market related price with the bidder scoring the third highest points or cancel the bid. If the market related price is not agreed as envisaged in this paragraph, PRASA will cancel the bid.

PRASA reserves the right to negotiations Best and Final Offer (BAFO) with selected Respondents where none of the Proposals meet RFP requirement, are affordable and demonstrate value for money and there is no clear preferred response to the RFP

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PRASA will not reimburse any Respondent for any preparatory costs or other work performed in connection with its Proposal, whether or not the Respondent is awarded a contract.

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<b>INVITATION TO BID PART A</b>	<b>Form A</b>
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<b>SITE INSPECTION CERTIFICATE / PRE-TENDER BRIEFING SESSION</b>	<b>Form D</b>
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## 1 LIST OF ANNEXURES TO THE RFP

Draft Contract

Annexure 1

RFP CLARIFICATION FORM

Annexure 2

<p><b>BID DESCRIPTION: Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.</b></p> <p><b>BID NUMBER: HO/CRES/ENERGY-BEL/002/11/23</b></p>	 <p><b>prasa cres</b> CORPORATE REAL ESTATE SOLUTIONS</p>
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## 2 ACRONYMS

BBBEE	Broad Based-Black Economic Empowerment
CIDB	Construction Industries Development Board
DTIC	The Department of Trade and Industry and Competition
PPPFA	Preferential Procurement Policy Framework Act 5 of 2000 (as amended from time to time)
PFMA	Public Finance Management Act No.1 of 1999 (as amended from time to time)
PRASA	Passenger Rail Agency of South Africa
RFP	Request for Proposal
SANAS	South African National Accreditation System

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### 3 INTERPRETATION

In this RFP, unless inconsistent with or otherwise indicated by the context –

- 4.1 headings have been inserted for convenience only and should not be taken into account in interpreting the RFP;
- 4.2 any reference to one gender shall include the other gender;
- 4.3 words in the singular shall include the plural and vice versa;
- 4.4 any reference to natural persons shall include legal persons and vice versa;
- 4.5 words defined in a specific clause have the same meaning in all other clauses of the RFP, unless the contrary is specifically indicated;
- 4.6 any reference to the RFP, schedule or appendix, shall be construed as including a reference to any RFP, schedule or appendix amending or substituting that RFP, schedule or appendix;
- 4.7 the schedules, appendices and Briefing Notes issued pursuant to this RFP, form an indivisible part of the RFP and together with further clarifying and amending information provided by PRASA, constitute the body of RFP documentation which must be complied with by Bidders;
- 4.8 in the event of any inconsistency between this RFP or other earlier information published with regard to the Project, the information in this RFP shall prevail; and
- 4.9 this RFP shall be governed by and applied in accordance with South African law.

**BID DESCRIPTION: Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.**



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#### **4 DEFINITIONS**

In this RFP and in any other project documents (as defined below) which so provides, the following words and expressions shall have the meaning assigned to them below and cognate expressions shall have a corresponding meaning, unless inconsistent with the context:

- 5.1 "Accounting Authority" means the Board of PRASA;
- 5.2 "Contract" means the Contract to be entered between PRASA and the successful Bidder for the provision of the services procured in this RFP.
- 5.3 "Bid" means the Bid to the RFP submitted by Bidders;
- 5.4 "Bidders Briefing Session" means the compulsory briefing session to be held at the offices of PRASA, in order to brief the Bidders about this tender;
- 5.5 "Black Enterprise" means an enterprise that is at least 51% beneficially owned by Black People and in which Black People have substantial Management Control. Such beneficial ownership may be held directly or through other Black Enterprises;
- 5.6 "Black Equity" means the voting equity held by Black People from time to time;
- 5.7 "Black People" has the same meaning as ascribed to the Broad-Based Black Economic Empowerment Act, 2003, as amended .
- 5.8 "Black Woman" means African, Coloured and Indian South Africa Female citizen;
- 5.9 "Briefing Note" means any correspondence to Bidders issued by the PRASA;
- 5.10 "Business Day" means any day except a Saturday, Sunday or public holiday in South Africa;
- 5.11 "Bidders" means individuals, organisations or consortia that have been submitted responses to the RFP in respect of the tender;
- 5.12 "Consortium" means any group of persons or firms jointly submitting a Bid as Bid to this RFP and "Consortia" means more than one Consortium;
- 5.13 "Contractor" the successful Bidders who has signed a Contract with PRASA in terms of this RFP.
- 5.14 "Closing Date" means the closing date for submission of bids/ Proposals by Bidders which is **13 December 2023 at 12h00**
- 5.15 "Project" means this project for the appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.
- 5.16 "RFP" means the Request for Proposals issued by PRASA for this tender; and
- 5.17 "Scope of Work" means the scope of work for this project as detailed out in the RFP technical specifications.

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## SECTION 1

### NOTICE TO BIDDERS

#### 1 INVITATION TO BID

You are hereby invited to submit a bid to meet the requirements of the Passenger Rail Agency of South Africa. Responses to this RFP [hereinafter referred to as a **Bid** or a **Proposal**] are requested from persons, companies, close corporations, or enterprises [hereinafter referred to as an **entity**, **Bidder**].

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<b>BID ADVERT</b>	This RFP may be downloaded directly from National Treasury's e-Tender Publication Portal at <a href="http://www.etenders.gov.za">www.etenders.gov.za</a> free of charge. With effect from <b>13 November 2023</b>
<b>ISSUE DATE</b>	<b>15 November 2023</b>
<b>BRIEFING SESSION</b>	<b>COMPULSORY</b>
<b>CLOSING DATE</b>	<p><b>13 December 2023</b></p> <p>Bidders must ensure that bids are delivered timeously to the correct address.</p> <p>As a general rule, if a bid is late or delivered to the incorrect address, it will not be accepted for consideration.</p>
<b>VALIDITY PERIOD</b>	<p><b>90 Working Days from Closing Date</b></p> <p>Bidders are to note that they may be requested to extend the validity period of their bid, at the same terms and conditions, if the internal evaluation process has not been finalised within the validity period.</p>

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<b>CLOSING DATE FOR QUESTIONS</b>	<b>6 December 2023</b>
<b>CLOSING DATE FOR RESPONSES</b>	<b>8 December 2023</b>
<b>CONTACT PERSON</b>	<b>Albert Mdluli</b>

Any additional information or clarification will be emailed to all Respondents, if necessary.

## 2 FORMAL BRIEFING

A compulsory pre-proposal RFP briefing will be conducted at 30 Wolmarans Street Umjantshi House Ground Floor Auditorium Braamfontein Johannesburg on the **22 November 2023 at 10h00** [Respondents to provide own transportation and accommodation]. The briefing session will start punctually, and information will not be repeated for the benefit of Respondents arriving late.

- 2.1 *A Certificate of Attendance in the form set out in Form D hereto must be completed and submitted with your Proposal as proof of attendance is required for a compulsory site meeting and/or RFP briefing. Bidders must also appear on the Compulsory Briefing session Register.*
- 2.2 Respondents failing to attend the compulsory RFP briefing will be disqualified.

## 3 BRIEFING SESSION MINUTES AND NOTES

- 3.1 PRASA will issue briefing session minutes or notes together with the response to the clarification questions on the **8 December 2023**.
- 3.2 Clarifications will be issued to all Respondents to this RFP utilizing the contact details provided at receipt of the responses to the RFP documentation, after submission to the authorised representative.
- 3.3 Bidders / Respondents are requested to promptly confirm receipt of any clarifications sent to them.
- 3.4 Bidders / Respondents must ensure responses to the clarifications are received on or before the deadline date stated.

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#### **4 PROPOSAL SUBMISSION OF RFP RESPONSE**

Proposal Responses should be submitted to PRASA in a sealed envelope addressed as follows:

The Secretariat / Tender Office

RFP No: HO/CRES/ENERGY-BEL/002/11/23

Description of Bid - Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.

Closing date and time: 13 December 2023 at 12h00

Closing address, THE SECRETARIAT / TENDER OFFICE  
UMJANTSHI HOUSE  
GROUND FLOOR  
30 WOLMARANS STREET  
BRAAMFONTEIN  
JOHANNESBURG

#### **5 DELIVERY INSTRUCTION FOR RFP**

##### **Delivery of Bid**

The Bid envelopes should be deposited in the PRASA tender box which is located at the main entrance of the UMJANTSHI HOUSE and should be addressed as follows:

THE SECRETARIAT / TENDER OFFICE  
UMJANTSHI HOUSE  
GROUND FLOOR  
30 WOLMARANS STREET  
BRAAMFONTEIN  
JOHANNESBURG

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## 5.1 B-BBEE Joint Ventures or Consortiums

Respondents who would wish to respond to this RFP as a Joint Venture [JV] or consortium with B-BBEE entities, should state their intention to do so in their RFP submission. Such Respondents should also submit a signed JV or consortium agreement between the parties clearly stating the percentage [%] split of business and the associated responsibilities of each party. If such a JV or consortium agreement is unavailable, the partners should submit confirmation in writing of their intention to enter into a JV or consortium agreement should they be awarded business by PRASA through this RFP process. This written confirmation should clearly indicate the percentage [%] split of business and the responsibilities of each party. In such cases, award of business will only take place once a signed copy of a JV or consortium agreement is submitted to PRASA.

## 6 COMMUNICATION

- 6.1 For specific queries relating to this RFP during the RFP process, bidders are required to adhere strictly to the communication structure requirements. An RFP Clarification Form should be submitted to [albert.mdluli@prasa.com](mailto:albert.mdluli@prasa.com) before 12h00 on 6 December 2023, substantially in the form set out in Annexure 2 hereto.
- 6.2 In the interest of fairness and transparency PRASA's response to such a query will be made available to the other Respondents who have attended a compulsory briefing session. For this purpose PRASA will communicate with Respondents using the contact details provided at the compulsory briefing session.
- 6.3 After the closing date of the RFP, a Respondent may only communicate in writing with the Bid Secretariat, at telephone number 011 013 1487 [albert.mdluli@prasa.com](mailto:albert.mdluli@prasa.com) on any matter relating to its RFP Proposal.
- 6.4 Respondents are to note that changes to its submission will not be considered after the closing date.
- 6.5 Respondents are warned that a response will be liable for disqualification should any attempt be made by a Respondent either directly or indirectly to canvass any officer(s) or employee of PRASA in respect of this RFP between the closing date and the date of the award of the business. Furthermore, Respondents found to be in collusion with one another will automatically be disqualified and restricted from doing business with PRASA in future.

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6.6 Bidders are advised utilize this email address (**SCM.Complaints@prasa.co.za**) for lodging of complaints to PRASA in relation to this bid process. The following minimum information about the bidder must be included in the complaint:

- 7.6.1 Bid/Tender Description
- 7.6.2 Bid/Tender Reference Number
- 7.6.3 Closing date of Bid/Tender
- 7.6.4 Supplier Name;
- 7.6.5 Supplier Contact details
- 7.6.6 The detailed compliant

## 7 CONFIDENTIALITY

7.1 PRASA shall ensure all information related to this RFP is to be treated with strict confidence. In this regard Respondents / Bidders are required to certify that they have acquainted themselves with the Non-Disclosure Agreement All information related to a subsequent contract, both during and after completion thereof, will be treated with strict confidence. Should the need however arise to divulge any information gleaned from provision of the Services , which is either directly or indirectly related to PRASA's business, written approval to divulge such information should be obtained from PRASA.

7.2 Respondents must clearly indicate whether any information submitted or requested from PRASA is confidential or should be treated confidentially by PRASA. In the absence of any such clear indication in writing, PRASA shall deem the response to the RFP to have waived any right to confidentiality and treat such information as public in nature.

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## 8 INSTRUCTIONS FOR COMPLETING THE RFP

8.1 All responses to the RFP should be submitted in two sealed envelopes/boxes; the first envelop/box shall have the technical and compliance response, the second envelop/box shall only have the financial response and Specific Goals response.

8.2 Bidders are required to package their response/Bid as follows:

**Volume 1 (Envelop 1/Package 1)**

- **Part A:** Mandatory Requirements Response
- **Part B:** Technical or Functional Response (response to scope of work)

**Volume 2 (Envelop 2/ Package 2)**

- **Part C:** Financial Proposal and Specific Goals

**Volume 2** should be submitted in a separate sealed envelope. Bidders should make their pricing offer in envelop 2/package 2.

8.3 Bidders must submit 1 original response and may submit copies and an electronic version which must be contained in a Memory Card/External hard drive etc clearly marked in the Bidders name. PRASA reserves the right to consider information provided in all formats irrespective the format i.e original/copy/electronic.

8.4 Bidders should ensure that their response to the RFP is in accordance with the structure of this document.

8.5 Where Bidders are required to sign forms they are required to do so using preferably black ink pen.

8.6 Any documents forming part of the original responses to RFP but which are not original in nature, should be certified as a true copy by a Commissioner of Oaths.

8.7 Each response to RFP must be in English and submitted in A4 format, except other graphic illustrations, which may not exceed A3 format, unless the contrary is specifically allowed for in this RFP. Responses to RFP should be neatly and functionally bound, preferably according to their different sections.

8.8 The original responses to RFP must be signed by a person duly authorized by each consortium member and Subcontractor to sign on their behalf, which authorization must form part of the responses to RFP as proof of authorization. By signing the responses to RFP the signatory warrants that all information supplied by it in its responses to RFP is true

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and correct and that the responses to RFP and each party whom the responses to RFP signatory represents, considers themselves subject to and bound by the terms and conditions of this RFP.

- 8.9 The responses to RFP formulation should be clear and concise and follow a clear methodology which responses to RFP should explain upfront in a concise Executive Summary and follow throughout the responses to RFP.
- 8.10 Responses to RFP must provide sufficient information and detail in order to enable PRASA to evaluate the responses to RFP but should not provide unnecessary detail which does not add value and detracts from the ability of PRASA to effectively evaluate and understand the responses to RFP. The use of numbered headings, bullet points, sections, appendices and schedules are encouraged.
- 8.11 Information submitted as part of a responses to RFP should as far as possible, be orderly according to the order of the required information requested by PRASA. All pages should be consecutively numbered.
- 8.12 Responses to RFP should ensure that each requirement contained in the RFP is succinctly addressed. Responses to RFP should as far as possible use the terms and definitions applied in this RFP and should clearly indicate its interpretation of any differing terminology applied.
- 8.13 Response to RFP documents are to be submitted to the address specified in this RFP, and Bidders should ensure that the original and copies (where applicable) are identical in all respects as PRASA will not accept any liability for having disqualified a bidder for failing to provide a mandatory returnable document.
- 8.14 Unless otherwise expressly stated, all Proposals furnished pursuant to this RFP shall be deemed to be offers. Any exceptions to this statement must be clearly and specifically indicated.
- 8.15 Any additional conditions must be embodied in an accompanying letter. Subject only to clause 16 [Alterations made by the Respondent to Bid Prices] of the General Bid Conditions, alterations, additions or deletions must not be made by the Respondent to the actual RFP documents.

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8.16 Bidders are required to review the Contract. Bidders may further amend and or delete any part of the Draft Contract where they deem fit to do so. Where Bidders have amended and or deleted any part of the Contract, it must be clearly visible by using track changes and must ensure that the disc copy of their bid submission for the Draft Contract is in word version and not password protected. **It must be noted that the marked-up Contract will form part of contract negotiations processes with the preferred bidder.**

## 9 RFP TIMETABLE

PRASA may at its sole discretion amend any of the milestone dates indicated in the table below. Bidders will be informed of any amendments to the timeline through the issue of the Addendum.

RFP PROCESS	MILESTONE DATES
Bid issue date	15 November 2023
Briefing Session for Bidders at the .....]	22 November 2023
Closing date for Questions	6 December 2023
Closing date for Responses	8 December 2023
Closing Date for Submission of final Bid	13 December 2023
Evaluation of Proposals (Bidders note that PRASA may call for Presentation of bidders offers at any stage of the evaluation process)	16 January 2024
Appointment of the successful Bidder	15 March 2024
Contract Negotiations	18 March 2024
Signing of Contract	29 March 2024
Contract Commencement	1 April 2024

PRASA may at its sole discretion amend any of the milestone dates indicated in the table above. Bidders will be informed of any amendments to the timeline through the issue of briefing notes.

## 10 LEGAL COMPLIANCE

Bidders should ensure that they comply with all the requirements of the RFP and if Bidders fail to submit any of the required documents, such Bids may, at the sole discretion of PRASA, be disqualified. PRASA reserves the right to call a Bidder to provide additional documents which may have not been submitted.

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The successful Bidder [hereinafter referred to as the **Service Provider**] shall be in full and complete compliance with any and all applicable laws and regulations.

## 11 NATIONAL TREASURY'S CENTRAL SUPPLIER DATABASE

Respondents are required to self-register on National Treasury's Central Supplier Database (CSD) which has been established to centrally administer supplier information for all organs of state and facilitate the verification of certain key supplier information. Only foreign suppliers with no local registered entity need not register on the CSD. The CSD can be accessed at <https://secure.csd.gov.za>. Respondents are required to provide the following to PRASA in order to enable it to verify information on the CSD:

**Supplier Number:** \_\_\_\_\_ **Unique registration reference number:** \_\_\_\_\_.

## 12 TAX COMPLIANCE

Respondents must be compliant when submitting a proposal to PRASA and remain compliant for the entire contract term with all applicable tax legislation, including but not limited to the Income Tax Act, 1962 (Act No. 58 of 1962) and Value Added Tax Act, 1991 (Act No. 89 of 1991).

It is a condition of this RFP that the tax matters of the successful bidder be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations.

The Tax Compliance status requirements are also applicable to foreign Respondents/ individuals who wish to submit bids.

Respondents are required to be registered on the Central Supplier Database (CSD) as indicated in paragraph 12 and the National Treasury shall verify the Respondent's tax compliance status through the Central Supplier Database (CSD).

Where Consortia / Joint Ventures / Sub-contractors are involved, each party must be registered on the Central Supplier Database (CSD) and their tax compliance status will be verified through the Central Supplier Database (CSD).

**For this purpose, the attached SBD 1 marked Annexure..... must be completed and submitted as an essential returnable document by the closing date and time of the bid.**

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#### New Tax Compliance Status (TCS) System

SARS has implemented a new Tax Compliance Status (TCS) system in terms of which a taxpayer is now able to authorise any 3rd party to verify its compliance status in one of two ways: either through the use of an electronic access PIN, or through the use of a Tax Clearance Certificate obtained from the new TCS system.

Respondents are required to provide the following to PRASA in order to enable it to verify their tax compliance status:

**Tax Compliance Status (TCS) Pin:**\_\_\_\_\_.

### 13 PROTECTION OF PERSONAL DATA

In responding to this bid, PRASA acknowledges that it may obtain and have access to personal data of the Respondents. PRASA agrees that it shall only process the information disclosed by Respondents in their response to this bid for the purpose of evaluating and subsequent award of business and in accordance with any applicable law. Furthermore, PRASA will not otherwise modify, amend or alter any personal data submitted by Respondents or disclose or permit the disclosure of any personal data to any Third Party without the prior written consent from the Respondents. Similarly, PRASA requires Respondents to process any personal information disclosed by PRASA in the bidding process in the same manner.

### 14 FORM OF CONTRACT

The form of contract shall be NEC3 – option B.

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## SECTION 2

### BACKGROUND OVERVIEW AND SCOPE REQUIREMENTS

#### 1 INTRODUCTION AND BACKGROUND

Passenger Rail Agency of South Africa (“PRASA”) has identified the need to appoint an electrical contractor for the procurement, engineering, supply, install, test and commission including maintenance of 500kW Photovoltaic solar rooftop at Belle Ombre Station.

#### 2 OVERVIEW

Belle Ombre Station is a pivotal station of Metrorail operation and houses the station offices. The station is also a retail Centre with number of retail and commercial tenants and facilities. The Station is also surrounded by socio economic dynamics for road transportation utilizing the passenger taxis and the South African police services.

The total staff at the station for PRASA operations inclusive of the estimated future anticipated number will be over 150 excluding tenants. Currently the station is underutilized, this may be due to the COVID-19 impact.



**Figure 1: Belle Ombre Station, Pretoria**

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PRASA as a business shall realize the following significant benefits after the implementation of the Solar project:

- No electricity interruptions / loss during load shedding for the business and PRASA tenants
- This will attract more tenants for PRASA because of sustainable electricity from PRASA PV solar plant. Current tenants will want to extend their lease.
- Reduced electricity bill from the Municipality / Eskom
- Opportunity to sell electricity back to the supply authority when there is spare capacity on the system. This creates an opportunity to increase the PV solar plant to sell a higher supply of electricity to the supply authority. This generates more revenue for PRASA while assisting the supply authority with power.
- Sustainable green energy initiative.
- Reducing load from the national / provincial grid

PRASA seeks to benefit from this partnership in the following ways:

- 2.1 PRASA must receive reduced cost of acquisition and improved service benefits resulting from the Service Provider's economies of scale and streamlined service processes.
- 2.2 PRASA must achieve appropriate availability that meets user needs while reducing costs for both PRASA and the chosen Service Provider(s).
- 2.3 PRASA must receive proactive improvements from the Service Provider with respect to provision of Services and related processes.
- 2.4 PRASA's overall competitive advantage must be strengthened by the chosen Service Provider's leading edge technology and service delivery systems.
- 2.5 PRASA end users must be able to rely on the chosen Service Provider's personnel for service enquiries, recommendations and substitutions.
- 2.6 PRASA must reduce costs by streamlining its acquisition of Services, including managed service processes on a Group basis.

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### 3 KEY OBJECTIVES OF THE RFP

This RFP has been prepared for the following purposes:

- 3.1 To set out the rules of participation in the bid process referred to in this RFP.
- 3.2 To disseminate information on the project contemplated in this RFP.
- 3.3 To give guidance to bidders on the preparation of their RFP bids.
- 3.4 To gather information from bidders that is verifiable and can be evaluated for the purposes of appointing a successful bidder.
- 3.5 To enable PRASA to select a successful bidder that is:
  - a) technically qualified and meet the empowerment criteria described in this RFP;
  - b) Carry all the obligations of the Contract.

### 4 SCOPE OF WORK

#### 4.1 The scope of work for this project shall entail the following activities:

The work shall include the manufacturing, supply, installation testing and commissioning and operating and maintenance of Solar PV Power Plant of 500 KW Capacity at Belle Ombre Station in Pretoria.

The scope of work is to provide photovoltaic solar plant for the Belle Ombre train station, upgrade and carry out refurbishment on the existing substation building and rooftop where the solar panels will be installed. The solar plant shall be integrated with the existing electrical services.

The scope of work consists of:

- Installation of photovoltaic solar plant system – 500kW
- Replacing existing sheeting with new IBR sheeting – 12861m<sup>2</sup>
- Provision of a new generator set of 630kVA, 400VAC.
- New generator and battery room to house the generator and batteries.
- Upgrading of existing main distribution board at the substation
- Upgrading of building electrical installations such as lighting and control devices (small power).
- Provision of mechanical services for the generator and battery room
- Upgrade of substation switchgears.
  - o MV panel / switchgear and associated ancillaries
  - o Transformer and associated ancillaries
- Provision of new security system such as CCTV and access control

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#### 4.2 The technical specifications

The design for this project shall meet technical capabilities & performance requirements.

The site required 500kW / 625kVA, 400V on site. Therefore, by design the following shall be provided.

Proposed 650W solar panels to be used:

- Power x Hours x % of sunlight per day
- 650W x 9 hours x 75% = 4 387,5 daily watts
- 4 387,5 / 1000 = 4,39kWh per solar panel

500 000 W / 650 W = 769,23. Therefore, the minimum of 770 panels required for Belle Ombre Station.

770 x 4,39kWh = 3 380.3-kWh to be generated per day on a good summer sunny day.

The contractor shall verify the site condition and design prior to placing orders. The following shall also be required from the contractor:

- The contractor shall submit shop drawings for the consultant and PRASA's approval prior to any procurement. No equipment shall be ordered prior to the consultant and PRASA's official written approval.
- The shop drawings to be in full compliance with the general requirements and performance specifications as set out in this RFP document.
- The Contractor takes complete liability for patent and latent defects.
- The designs to be signed off and approved by a respective ECSA (Engineering Council of South Africa) registered Professional Engineer or Professional Engineering Technologist.
- The installation shall be carried out and approved by the electrician and someone with green card or an energy specialist.
- All the design, fabrication, construction etc. conforms to the relevant legislative requirements, SANS Standards and SABS codes.
- The PV Plant and documents are appropriate labelled and in a coherent manner.

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- The PV Plant is designed with due consideration to the site environmental conditions.
- Appropriate care is exercised, and confirmation is made to site measurements before proceeding with design & manufacture of the complete works as dimension accuracy.
- The design provides performance guarantee for minimum of 99.5% as annual plant availability. Plant availability is measured in terms of time during which the plant is supplying energy as per demand.
- The design and construction of the PV Plant complies with current standards and statutory obligations arising from current legislation and regulations, including statutory legislation and codes of practice, and relevant South African and international standards.

### **Material Quality Specification**

- All components and materials supplied are designed, manufactured, and tested in accordance with the latest applicable IEC and SANS standards.
- Equipment Products, Components and/or Accessories conform to all applicable Product Safety Standards appropriate for the intended markets.
- Materials and products used are suitable for the service conditions.
  - All works, materials, parts, components etc. supplied/replaced be new, both in the construction of the PV Plant and maintenance of the PV Plant throughout the Operation Maintenance Period.
- Any materials or substances that are generally known at the time of use to be deleterious, a health risk, or a fire hazard, either in use or in their manufacture.
- Where possible, all materials used are recyclable.
- Substances known to deplete the ozone layer, whether specifically excluded from use by current EC legislation, as refrigerants or foaming or filling agents for insulation.
- Any materials or substances that support mould, bacterial growth or vermin or cause objectionable odours under service conditions.
- Materials and products delivered to site bear the manufacturer's name, brand name and any other data required to verify that their performance and specification complies with the requirements of this document.
- Materials and products are appropriately CE/UL marked and/or SABS approved.
- Follows the manufacturers' instructions on the installation and use of materials and products.

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- Selects materials & products regarding standardisation and availability of spare parts and for ease of maintenance.
- Use the same manufacturer for materials or products of a similar type and that identical parts of similar products are interchangeable.
- Materials and components are transported and stored in accordance with manufacturer's guidelines.
- Provides suitable packaging for the protection of all materials and equipment during delivery, storage, and where exposed to damage on site. The Contractor returns re-usable packaging to the supplier. The Contractor takes particular care to protect and maintain plant and equipment delivered early.
- Examines materials and products supplied when delivered to site and immediately prior to installation. The *Contractor* replaces any damaged or faulty materials or products.
- Stores all materials on raised boarded platforms under weatherproof covers and/or according to manufacturers' specifications.
- Protects all materials and equipment which may be exposed to damage, inclement weather, or ultraviolet light.
- Ensures that sensitive plant and equipment items not to be exposed to dirt or dust at any time to maintain manufacturers' warranties and long-term reliability.
- Replaces/Repairs any damage to finished materials and replace equipment prior to Final Completion of the project.
- Provides the critical spare parts, provided by the bidder during tender submission, on site upon Final Completion.

## **Building Works**

### **Installation of new Roof Sheeting - Design Statement**

Prior to commencement of new solar panels installation on the identified roof location, existing deteriorated roof sheeting shall be removed and replaced with new. The total rooftop of 12 861m<sup>2</sup> shall be replaced with new IBR sheeting.

The new building is 231m<sup>2</sup> shall house the generator and batteries for the solar plant next to the exiting substation shall be. New Generator Room, Battery Room, and HVAC Room to be constructed in accordance with the Electrical & Mechanical engineers' requirements and specifications.

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All building works to be carried out in conjunction with Architect and Structural engineer drawings and specification, works to comply with South African Building Standards.

All buildings, structures, cable trenches/routings, and service routes which are incorporated in this contract are functionally and efficiently located and that each building/component is sized for optimum space usage.

All design, fabrication, construction etc. conforms to the relevant legislative requirements, SANS Standards and SABS codes.

### **Mounting Structure**

- Designs, procures, and construct the most efficient means for mounting PV modules.
- The mounting structure is of roof mounted, fixed type and facing North. The structure withstands all possible static, dynamic, and seasonal loads at site condition.
- All PV mounting structures are off-the-shelf products as much as possible.
- The proposed mounting structures (product) have proven track record and the product have been installed in PV projects for more than 1 MW capacity.
- The mounting structures are designed for optimum PV module orientations.
- The row-to-row distance is selected to minimize the shading losses.
- The mounting structure is designed for minimum 25 years of operation and the Contractor provides minimum 5 years as warranty on material/product.
- The mounting structure solutions which is efficient, cost effective and reliable. The design reduces installation time and material waste.

### **Electrical Works**

- This section defines the electrical works for the Project.
- All design, fabrication, construction etc. conforms to the relevant legislative requirements, SANS Standards and SABS codes.

### **Photovoltaic (PV) Capability**

The PV capacity of 500 KW (five hundred kilowatt) system. The DC capacity is the sum of nominal power of all modules (defined at STC) to be installed.

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### **Photovoltaic (PV) Module**

- The solar panel minimum wattage shall be 650W.
- Supply and install the PV Modules to achieve the specified levels of performance for the required design life of 25 years under the prevailing site environmental conditions to be determined.
- PV Modules technology is either of crystalline silicon (c-Si) type. All PV modules supplied for the Plant are of the same type, size and from a single manufacturer.
- The module manufacturer complies with followings.
  - Has been producing PV modules commercially for last five years,
  - Has an experience in minimum of 50 MWp cumulative capacities in PV installation.
- The PV modules minimum guarantees from the manufacturer are.
  - Power Output Warranty: maximum power output degradation of 10% and 20% of rated peak power respectively for 10 years and 25 years operational period.
  - Linear Degradation: first year degradation not more than 3.0% and linear degradation from second year and onwards not more than 0.75% per year.
  - Workmanship guarantee: Product guarantee against manufacturing defects for a minimum of 10 years.
  - Positive tolerance: rated power output tolerance must be positive e.g. 0/+5%.
- The module rated peak power (defined at STC condition) is used to determine the peak power of the Plant. The peak power is the sum of the manufacturer's name plate data sheets for each individual module.
- The flash test data from manufacturer (measurement according to IEC 60904 part I) for each module to be installed in the project. The sum of power in flash test data is equal to or higher than peak power of the Plant.
- All modules to have valid industry standard certifications; IEC 61215 and IEC 61730, issued by reputable testing institutions according to IEC.
- The module arrangements to be decided to minimize the losses due to mismatching. Proper sorting method and only modules from the same set is used in in the same string.
- All transportation, storage, handling, and installation of the modules to be in accordance with the specifications from the manufacturer, as to not to void the module manufacturer's warranty.

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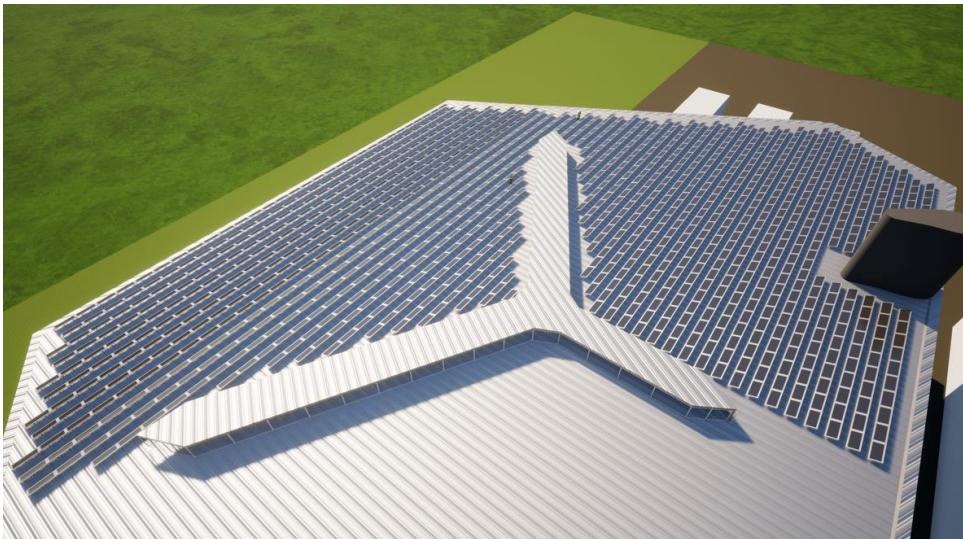
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<b>Solar Panels</b>	
<b>Minimum Requirements. Must be the same or higher</b>	
<b>Peak power (Pmax): 650W or higher</b>	
<b>Poly-crystalline type</b>	
Efficiency - 18% minimum	
Open Circuit Voltage (Voc): 45.9V	
Max Power Voltage (Vmp): 41.77V	
Short Circuit Current (Isc): 18.57A	
Max Power Current (Imp) :15.57A	
Power Selection: 0 ~+ 5W	
Power tolerance - +/- 5 W	
IEC 61215-1/1-11-2;2016 and IEC 6173D-1/2;2016	
Safety class based on IEC 61140: Class II	
Maximum System voltage: 1000V or higher	
Maximum Over current protection Rating: 25A	
Power Production tolerance: +_-3%	
Open circuit voltage Tolerance: +_-2%	
Short Circuit Current tolerance: +_-4%	
Fire performance - Class C as per IEC 61730	
Front cover - 3.2 mm tempered glass	
Frame - Anodized aluminium alloy, crossbar enhanced	
Application class – A	
Junction box - IP68, 3 bypass diodes.	
Temperature Co-efficient = -0.37 % (Pmax), -0.29 % (VOC) and 0.05 % (ISC)	
Operating temperature - 40 to +85 degrees Celsius	

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**Figure 2: Solar Panels at Rooftop Belle Ombre**

#### **DC Combiner box**

- The DC combiner boxes are designed for use for external condition with a design lifetime of 25 years.
- The combiner box includes string fuse for each string. The fuse rating is sized according to the requirement from module and inverter manufacturer.
- The DC combiner box includes lightning current and overvoltage surge arrestor.
- The DC combiner box includes array on-load disconnect switch, which is accessible without opening the combiner box. This switch allows for isolating array connected to box for maintenance and emergency purpose and is lockable.
- The combiner boxes are equipped with sun shields where exposed to direct sunlight. To prevent overheating inside the boxes, reduced terminal occupancy is considered. The place of installation location must be easily accessible and offer a secure base for working on the device.
- The cable labelling and single line diagram of connections inside the combiner box is kept on each combiner box.

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### Inverters and inverter-charger

- Selects Inverters with proven track records in terms of performance and operation.
- Provide an inverter arrangement that gives overall optimal energy yield over the life of the Project, considering the site conditions and the proposed module layouts.
- All inverters installed are of same type, size and from a single manufacturer.
- Inverters selected for the installation to conform to the following specifications.
  - Inverter is selected with respect to local climatic and environmental condition and is equipped to operate in high temperature regions,
  - The inverter power is not derated for the temperature range between -10°C and +40°C.
- Inverters selected for the installation has a minimum of 5 years product guarantee against manufacturing defects.
- Inverters can log performance parameters (input power, output power). The data storage management process and stores the operating data of the inverter.
- The inverter manufacturer's warranties for the site-specific environment and installation type to be confirmed.
- The inverters comply with all relevant national and international certificate labels and suitable of installation in South Africa.
- All transportation, storage, handling, and installation of the inverters are in accordance with the specifications from the manufacturer, as to not to void the inverter manufacturer's warranty.
- The solar inverters shall be of 100kW.
- The Inverter-charger shall be of 500kW.
- Transformer shall be 500kW.

The solar inverters shall be installed on the load side of the inverter-chargers and must comply with the following:

Provision of 100kW required inverters to meet the minimum specification.

**BID DESCRIPTION: Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.**



**BID NUMBER: HO/CRES/ENERGY-BEL/002/11/23**

<b>INVERTERS</b>		
<b>Item No.</b>	<b>Description</b>	<b>Minimum Requirements</b>
1	AC (Grid-connected)	
1,1	Apparent power	110kVA
1,2	Rated power	100kW
	Grid voltage	380VAC - 400VAC
1,3	Rated voltage	400V
1,4	Rated current	144A per Inverter
1,5	Voltage range	360V - 440V
1,6	Rated frequency	50/60Hz
1,7	Frequency range	45~55/55~65Hz
1,8	THDI	<3%
1,9	PF	0.8lagging - 0.8leading
1,10	AC connection	Three phase 4-wire + protective earth
1,11	AC input	200kVA
1,12	Adjustable grid code selection	Yes
1,13	Transformer less topology	Yes
1,14	DC/AC output converter	True three-phase bridge topology
1,15	AC connection type	Aluminium and copper up to 240mm <sup>2</sup>
1,16	Anti-islanding protection	Yes
1,17	Efficiency	98,40%
1,18	Night consumption	< 0.6 W
1,19	Wireless remote monitoring	Yes, with Wi-Fi logger card
1,20	User interface	4 x LED & web interface
<b>2</b>	<b>DC (Battery and PV)</b>	
2,1	Max. PV open-circuit voltage	1000V DC
2,2	Max. PV power	150kWp
2,3	PV MPPT voltage range	480V - 8050V DC
2,4	Number of independent MPPT	6 per inverter

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<b>INVERTERS</b>		
<b>Item No.</b>	<b>Description</b>	<b>Minimum Requirements</b>
2,5	DC input pairs per MPPT	4
2,6	DC switch rating per MPPT	50A or higher
2,7	Max DC input power	17500kW per MPPT
2,8	Battery voltage range at Max. charge power	500V - 600V
2,9	Battery voltage range	352-600V
2,10	Max. charge power	150kW
2,11	Max. discharge power	110kW
2,12	Max. charge current	300A
2,13	Max. discharge current	313A
2,14	Reverse polarity protection	Yes
2,15	Lifetime free online monitoring	Yes
2,16	DC input individual current monitor	Yes (individual string current monitoring)
<b>3</b>	<b>General Information</b>	
3,1	Protection degree	IP54
3,2	Noise emission	<65dB(A)@1m
3,3	Operating temperature	-25 °C~+60 °C
3,4	Cooling	Forced air
3,5	Relative humidity	0-95% non-condensing
3,6	Maximum operating altitude	2000 m without derating
3,7	Dimension (W/H/D)	1200/1900/800mm
3,8	Weight	1025kg
3,9	Build-in transformer	Yes
3,10	Transfer between on/off grid	Automatic≤10ms
3,11	Standby consumption	<30W
3,12	Detachable wiring box	Yes
3,13	Relative humidity	0 to 100 % condensing

<b>INVERTERS</b>		
<b>Item No.</b>	<b>Description</b>	<b>Minimum Requirements</b>
3,14	Cooling	Forced air
3,15	Input and output surge protection	Yes, pluggable Type 2, monitored
3,16	Photovoltaic array isolation control	as per IEC 62109
3,17	Safety standard	IEC 62109-1 & 2
<b>4</b>	<b>Communication</b>	
4,1	Display	Touch screen
4,2	Communication	RS485/CAN

### **AC combiner panel**

AC combiner panels will have individual incoming circuit breakers for each solar inverter. The incoming circuit breakers shall have isolation behaviour and be suitably selected to allow spare capacity when compared to the solar inverter output as well as being correctly selected to protect the AC cable.

The AC combiner panel shall be fitted with busbars to combine the incoming AC circuits before entering the main output AC circuit breaker. The busbars shall be rated at 1.6 A/mm<sup>2</sup> and be suitably supported for the site-specific prospective fault current (short-circuit current).

Neutral and earth bars will be of the same rating as the phase busbars. All busbars and wiring shall be adequately rated and suitably supported. The minimum busbar fault current rating shall be 10 kA.

The main output AC circuit breaker shall have isolation behaviour. Suitable busbar extensions shall be fitted to the circuit breaker for easy termination / connection of the outgoing AC cabling.

The AC combiner panel shall be fitted with a power meter on the main output AC circuit breaker that measure current, voltage, power factor, kVA, kW, kVAr as well as maximum values.

### **Solar modules and installation**

Solar modules must be the poly-crystalline type and comply with the following:

- Maximum system voltage : 1000 V
- Efficiency : 18% minimum
- Fire performance : Class C as per IEC 61730
- Tier rating : 1
- Application class : A
- Power tolerance : +/- 5 W
- Cell arrangement : 144
- Front cover : 3.2 mm tempered glass
- Frame : Anodized aluminium alloy, crossbar enhanced
- Junction box : IP68, 3 bypass diodes.
- Cable : 4 or 6 mm<sup>2</sup>
- Connector : T4 series
- Temperature Co-efficient : -0.37 % (Pmax), -0.29 % (VOC) and 0.05 % (ISC)
- Operating temperature : -40 to +85 degrees Celsius

Bidders must provide solar panel that are same or higher of the above specification. This is linked and depends on the proposed structure and required supply.

The solar modules shall be installed on a suitable mounting system. The mounting system shall be certified and have appropriate installation instructions. Weather conditions must be considered when the mounting system is designed to match the installation site's weather conditions.

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Solar modules must be installed in neatly arranged rows with consideration for cleaning, servicing, and maintenance. For this reason, access paths must be included in the design. A maximum linear string must have an access path every 50m. The design must be submitted for approval to the engineer prior to ordering and installation of any equipment.

Where appropriate, permanent safety lines or anchors for temporary safety line must be included in the design and the Contractors offer.

The Contractor shall provide the weight of all equipment in their data sheets as part of the quotation submission.

### **Inverter-Charger**

Three phase inverter-chargers must comply with the following:

- Inverter size : 500kW / as per designs
- Parallel operation possibility : Yes
- Power control : Yes
- Remote monitoring : Yes
- Remote control : Yes
- Remote configuration : Yes (with configurable access levels)
- AC Input voltage range : 360V to 440V
- AC Input frequency : 45Hz to 65Hz
- DC Input voltage range : 600V to 900V
- DC Charge current : 722A
- Safety standard : IEC 62109-1/2
- Efficiency : 98.5 %
- IP rating : 20
- Anti-islanding : Yes

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- Overload capacity : 110% for 10min / 120% for 1min
- Cooling : Forced air
- Maximum altitude : 6000m
- Interface : Touch screen HMI

### **Cabling**

- The design and installation of power and control cables and execution of associated work is in accordance with relevant SANS Standards and cables are SABS approved.
- All cables in the Plant are fastened adequately to avoid swinging and tension and durable mounted in such a way as to protect them from rodent attack, weathering and UV radiation.
- All cables are uniquely numbered (permanent labelling) to facilitate later traceability & fault location. Circuits and cables are planned and installed to ensure accessibility and ease of maintenance.
- Electrical conductors are selected with an insulation level applicable to the system voltage for which they are used and capacities suitable for the load being served. The type of cable used is determined by individual circuit requirements and individual equipment manufacturer's recommendations. Current carrying conductors are either copper or aluminium.

### **DC Connectors**

- Modules connectors and DC cables connectors are compatible and from the same manufacturer throughout the project.
- To use cables with connectors which are contact-proof and designed to avoid corrosion.

DC cabling and installation shall comply with the following:

- DC cable standard : IEC 62930
- Installation standard : IEC 60364-4
- DC voltage rating : 1000 V
- Cable size : 4 or 6 mm<sup>2</sup>
- Connectors : T4
- Junction boxes : IP65, UV and weatherproof

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- Cable installation: on roof : Below solar modules allowed.
- Cable installation: from solar modules to DC isolators: Galvanized conduit
- Cable installation : Earth- and short-circuit proof.
  - Cable installation : UV and weatherproof
  - Parallel strings : Fused on positive and negative poles with PV rated DC fuses.
  - Field array enclosures : Must include surge protection and fuse protection of strings.
  - Earthing : Galvanized conduits to be bonded with earth strapping
  - Earthing : All solar modules to have individual earth wires to structure
  - Earthing : Mounting structure to be earthed with minimum 16 mm<sup>2</sup> wire

All connections and extensions to be done with T4 connectors. No joining or extending of solar cable to be done with terminals or strip connectors.

#### **Lithium-Ion Battery**

Only lithium iron phosphate batteries will be considered. As charging and discharging voltages and currents are critical to batteries these must be considered in the selection of the battery. The battery backup time to be sized to meeting design criteria.

The battery shall be Lithium-Ion (LiFe) that operates for 7500 cycles, 50% Depth of Discharge (DoD), and or 5500 cycles at 80% DoD and minimum of 10-years lifespan. The maximum load duration shall be 5 minutes per 30-minute cycle, 2 x maximum overload to handle for 2 seconds. The fly leads minimum to be 1800mm long, power cable Red – positive, black – negative.

#### **The battery shall comply with the following:**

Nominal voltage - 4-Hour's backup supply for a 500kW solar plant, (4MW battery storage capacity, 80% DOD at 3,2MWH, 500/400HV Battery x8)

- Nominal voltage : 512-800V (to suit inverter-charger)
- Charge / Discharge current : to meet recharge design criteria.

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- Cooling fan : No
- Enclosure : Heavy duty custom made; powder coated
- External interface : CAN Bus
- Protection : Circuit breaker with shunt
- Remote tripping over CAN Bus : Yes
- Manual reset : Yes
- Cell under- & over voltage protection : Yes
- Built-in temperature protection : Yes
- Minimum SOC control : Yes
- Human machine interface : Yes, with 0-100% state of charge indication
- Wi-Fi remote monitoring : Yes
- Warranty : +10 years / 7500 cycles, 80% DoD
- Service life : >20 years at low cycle
- Mounting : Floor standing

The following shall form part of the battery equipment.

- **Control interface** - RJ45 Socket x 2 – CAN Bus for Interfacing with Compatible Inverters and System Controllers, connection of parallel batteries.
- **Protection** - Shunt Trip Circuit Breaker sized to suit max current, can be tripped by BMS if critical fault, manual reset. Includes overcurrent, cell under and over voltage, temperature, weak cell detection, minimum SOC control.
- **Human Interface** - State of Charge Display (0 to 100%), Error light, Error Reset Button, Serial RS232 Plug for Programming (note the Lite 80/56 has a CAN port for programming and not a serial port), Wi-Fi remote monitoring.
- **Warranty** - 10 years or 5500 cycles for average 80% DoD, and max 90% DoD
- **Service Life** - >16 years (>5 500 cycles) expected life at 80% DoD (1), >20 years (>7 500 cycles) at 50% DoD.
- **Essential Accessories** – These shall be required for battery connection to the PC - Lite 5/4 up to Lite 60/42 - Serial RS232 to USB adapter (must be the brand supplied by same supply that supplies the batteries). CANapter as per the battery supplier (must be the brand supplier that supplies the batteries and shall be supplied with battery). CAN Bus Termination

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Resistor (as per the battery supplier) – one required per battery, must be the brand supplied by same supply that supplies the batteries) and must be included with the battery package.

Lithium-Ion Battery	
Description	Requirements
Battery Size	4-Hour's backup supply for a 500kW solar plant, (4MW battery storage capacity, 80% DOD at 3,2MWH, 500/400HV Battery x8)
Nominal voltage	512-800V
Enclosure	Heavy duty custom made; powder coated
External interface	CAN Bus
Protection	Circuit breaker with shunt
Remote tripping over CAN Bus	Yes
Manual reset	Yes
Cell under- & over voltage protection	Yes
Built-in temperature protection	Yes
Minimum SOC control	Yes
Human machine interface	Yes, with 0-100% state of charge indication
Wi-Fi remote monitoring	Yes
Warranty / Lifetime	+ 10 years / 7 500 cycles at 50% DoD or 5 500 cycles at 50% DoD
Mounting	Floor standing

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### **Earthing**

- Earthing system for the PV Plant that eliminates the risk to personnel or animals of electric shock under normal operating conditions as well as fault conditions. Furthermore, the earthing system ensures the functionality of electrical protection equipment during electrical faults.
- The designs of the earthing system in accordance with Solar PV industry best practice and in compliance with SANS 10200:1985 and SANS 10292:2001.

### **Surge and Lightning Protection**

- The lightning protection systems to be according to relevant SANS standards. The lightning protection system protects the equipment and project against damage caused by lightning strikes.
- Overvoltage protection is installed at DC side as well as AC side of the inverter, DBs and within the PV arrays.

### **Security system**

The site shall be equipped with closed-circuit television &CCTV) and access control in the generator building and entrance of the solar panel rooftop.

### **MV and LV Switchgear**

Replacement of existing medium voltage switchgear, transformer and MV panel with associated ancillaries.

Replacement of an existing LV panel with associated ancillaries.

The new MV switchgear at the substation shall have new medium voltage switchgear with 7-tier.

### **TRANSFORMER**

Transformers shall be of the Dry Type with copper windings cast resin and fabricated with an epoxy resin. The transformer shall be supplied in a cubicle manufactured from sheet metal and powder coated to grey. The transformer shall be of the low loss type. The transformer shall be suitable for in-land environmental conditions and shall be 630kVA, for 50 Hz, three-phase, 11 kV (nominal) primary and three-phase four-wire 400 V (nominal) secondary systems, Dyn11.

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### 630KVA TRANSFORMER FOR SUBSTATION

Ref No.	Technical details	Projects requirement
1	Name of manufacturer	
2	Place of manufacture	
3	Manufacturer's identification reference	
4	Overall dimension	
5	Mass of core and windings	
6	Mass of complete transformer	
7	Type of windings	<b>Copper</b>
8	Impedance voltage	6 %
9	Loss at rated voltage and frequency	
10	Load (at 75 °C winding temp)	
11	Temperature rise of windings at rated voltage and power	
12	Winding dimensions	
13	Rated kVA	630 kVA
14	Nominal primary voltage	11 000 volts
15	Nominal secondary voltage	400/230 volts

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Ref No.	Technical details	Projects requirement
16	Vector group and symbol	Dyn 11
17	Insulation level	To SANS 780 – table 11, list 2 for rated voltage of 12kV
18	Insulation type	Vacuum
19	Earthing methods  (a) MV system (b) LV system	Solidly earthed
20	MV system prospective fault level	20kA
21	Tap change switch	Off load, externally operated, lockable in any position
22	MV tapping's single ratio	+2.5% & +5% at 11kv
23	CT bushings on 11 000-volt side	
24	Transformer terminal connections:  MV  LV	Enclosed busbar trunking
25	Communications	IEC standard 60364-1
26	Drawings showing the dimensions of the transformer offered, the arrangements of the connection and the position of the tapping switch	Required

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## EMERGENCY BACKUP GENERATOR SET

Emergency backup diesel generator set shall be a 630kVA, 400V open set and to be supplied with automatic change over panel.

A detailed technical specifications and drawings are attached with this document.

## 5 EVALUATION METHODOLOGY

The evaluation of Bids will be based on the information contained in Bids received in RFP and, which may be further supplemented by presentations and clarification information provided, if required. All Bids shall be equally evaluated by various committees involved in the evaluation process in accordance with stated Evaluation Criteria. Procurement integrity and fairness, transparency, competitiveness and full accountability will at all times be paramount.

### 5.1 EVALUATION AND SCORING METHODOLOGY

The evaluation of the Bids by the evaluation committees will be conducted at various levels.

The following levels will be applied in the evaluation:

LEVEL	DESCRIPTION
<b>Verify completeness</b>	The Bid is checked for completeness and whether all required documentation, certificates; verify completeness warranties and other Bid requirements and formalities have been complied with. Incomplete Bids will be disqualified.
<b>Verify compliance</b>	The Bids are checked to verify that the essential RFP requirements have been met. Non-compliant Bids will be disqualified.
<b>Detailed Evaluation of Technical</b>	Detailed analysis of Bids to determine whether the Bidder can deliver the Project in terms of business and technical requirements. <b>The minimum threshold for technical evaluation is [70%], any bidder who fails to meet the minimum requirement will be disqualified and not proceed with the evaluation of Price and Specific Goals.</b>
<b>Specific Goals</b>	Evaluate Specific Goals
<b>Price Evaluation</b>	Bidders will be evaluated on price offered.
<b>Scoring</b>	Scoring of Bids using the Evaluation Criteria.
<b>Recommendation</b>	Report formulation and recommendation of Preferred and Reserved Bidders
<b>Best and Final Offer</b>	PRASA may go into the Best and Final Offer process in the instance where no bid meets the requirements of the RFP and/or the Bids are to close in terms of points awarded.
<b>Approval</b>	Approval and notification of the final Bidder.

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## 5.2 EVALUATION CRITERIA

Interested bidders for this project shall be evaluated in terms of their business credentials, financial standing, empowerment, technical capacity and experience. The evaluation committee shall use the following Evaluation Criteria depicted in Table 1 for the selection of the preferred bidder that shall execute construction work for the project.

EVALUATION CRITERIA	WEIGHTING
<b>Stage 1</b>	<b>Compliance</b>
<b>Stage 1A - Mandatory Compliance</b>	
<b>Stage 1B – Mandatory Compliance for Key professional staff</b>	
<b>Stage 1C – Non - Mandatory Compliance</b>	
<b>Stage 2</b>	
<b>Stage 2 - Technical Mandatory Requirements</b>	<b>Technical/Functionality</b>
Technical/Functional Requirements	Threshold of 70%
<b>Stage 3</b>	<b>Price and BBBEE</b>
Price	90
Specific Goals	10
<b>TOTAL</b>	<b>100</b>

Evaluation criteria for the selection of a potential bidder

## 6 STAGE 1: COMPLIANCE REQUIREMENTS

Bidders must comply with the following requirements and failure to comply will lead to immediate disqualification.

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### 6.1 Stage 1A- Mandatory Requirements

If you do not submit/meet the following mandatory documents/requirements, your bid will be automatically disqualified:

No.	Description of requirement
a)	Completion of ALL RFP documentation (includes ALL)
b)	Briefing Session Form D. Bidders must also reflect on the Compulsory Briefing Session Attendance Register
c)	Signed Joint Venture, Consortium Agreement or Partnering Agreement (whichever is applicable)
d)	CIDB 8EB or 8EP or higher

Table 1: Mandatory Requirements

### 6.2 Stage 1B - Mandatory Compliance for Key professional staff

**Proof of the following mandatory documents listed below must be submitted with your RFP submission. Failure to do so will lead to disqualification.**

No.	Mandatory compliance Stage 1 B Key professional staff and grading	Submit Proof of the following listed Qualifications	Meet requirements: Yes / No
a)	<b>Team Leader - Electrical /</b> Electronics Engineer or Electrical / Electronics Technologist	BSc degree or BTech degree or higher With proof of ECSA registration as a Pr Eng or Pr Tech Eng	
b)	<b>Construction manager</b>	Minimum of National Diploma or higher in-Built Environment	

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No.	<p><b>Mandatory compliance</b> Stage 1 B Key professional staff and grading</p>	<p><b>Submit Proof of the following listed Qualifications</b></p>	<p><b>Meet requirements:</b> Yes / No</p>
		<p>With proof of registration as a PrCPM or PrCM, registered with SACPCMP</p>	
c)	<p><b>Safety officer</b></p>	<p>National Diploma or higher in-Built Environment With proof of registration as a CHSO-registered with SACPCMP</p>	
d)	<p><b>Structural Engineer or Structural Technologist</b></p>	<p>BEng Degree or BSc degree or BTech degree or higher With proof of ECSA registration as a Pr Eng or Pr Tech Eng registered</p>	
e)	<p><b>Qualified Electrician with Wireman's License</b></p>	<p>National Diploma / Certificate N4 or higher in-Built Environment With trade test certificate and wiremen's license authorised to work on 400VAC supply</p>	
f)	<p><b>Certified Energy Specialist or Green Card for PV Solar installation (individual within the consortium or entity or company.)</b></p>	<p>A Green Card PV Solar Installation certificate or Certified Energy Specialist certificate</p>	

Table 2: Other Mandatory Requirements

<p><b>BID DESCRIPTION: Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.</b></p> <p><b>BID NUMBER: HO/CRES/ENERGY-BEL/002/11/23</b></p>	 <p><b>prasa cres</b> CORPORATE REAL ESTATE SOLUTIONS</p>
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### 6.3 Stage 1C: Non - Mandatory Compliance

The following documents are non-mandatory and where not submitted, PRASA may request the documents and must be made available at the time of request:

No.	Description of requirement
a)	Company Registration Documents
b)	Copies of Directors' ID documents;
c)	Valid Tax Clearance Certificate (must be valid on closing date of submission of the proposal) and SARS Issued Pin
d)	CSD report / CSD reference number
e)	Letter of Good Standing (i.e. COID); issued by department of labour
f)	Proof of UIF registration
g)	Proof of Bank Account

### STAGE 2A: TECHNICAL / FUNCTIONALITY REQUIREMENTS - (To be submitted in envelope 1)

Qualifying bidders shall then be evaluated on functionality after meeting all compliance requirements outlined above. The minimum threshold for the technical/functionality requirements is 70% as per the standard Evaluation Criteria. Bidders who score below this minimum requirement shall not be considered for further evaluation in stage 3.

Details of the technical/functional requirements are presented in the Table below:[Error! Reference source not found.](#)

### FUNCTIONAL EVALUATION CRITERIA

Bidders are evaluated based on the functional criteria set out in this RFP. Only those Bidders which score [70] points or higher (out of a possible 100) during the functional evaluation will be evaluated during the second stage of the Bid.

Details of the scoring methodology presented above are outlined below:

#### Functionality evaluation matrix & Criteria:

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Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight
<b>Company Experience</b>	<p>Bidders should indicate the experience of previous work done within the Photo Voltaic Solar plant system with Electrical Building works and Electrical Infrastructure works in the last 15 years. The bidder to show or indicate the size of the PV solar plant installed in a single site or single project.</p> <p><b>The bidders are to submit the following documents:</b></p> <p>(a) Provide appointment letter or contract or purchase order for each project.</p> <p>(b) Provide a reference letter or Completion certificate relating to the appointment letter/ or contract or purchase order provided.</p> <p><b>The references to indicate the following:</b></p> <p>company name, contact person and confirmation that work was completed.</p>	<p>No relevant submission</p> <p>Successfully installed and completed a PV Solar Plant between 1- 50kW.</p> <p>Successfully installed and completed a PV Solar Plant between 51kW to 200kW</p> <p>Successfully installed and completed a PV Solar Plant between 201kW to 400kW</p> <p>Successfully installed and completed a PV Solar Plant between 401kW to 499kW</p> <p>Successfully installed and completed a 500kW PV Solar Plant or higher.</p>	<p>0</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>30%</p>

**BID DESCRIPTION:** Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.



**BID NUMBER:** HO/CRES/ENERGY-BEL/002/11/23

Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight
	NB: The provided documents must indicate size of the PV Solar plant and the value of the contract. If the provided document does not have a size of the PV Solar plant and contract value, zero points will be given, if one of the two is given, zero point will be given.		
Resource and experience and organogram	1. Team Leader - Electrical / Electronics Engineer or Electrical / Electronics Technologist	0 = No submission or irrelevant submission	0
		Professional Electrical / Electronics Engineer or Electrical / Electronics Technologist with less than two (2) year experience. Proof in a form CVs, qualifications certifications and experience as specified.	1
		Professional Electrical / Electronics Engineer or Electrical / Electronics Technologist with two (2) and up to three (3) years' experience. Proof in a form CVs, qualifications certifications and experience as specified.	2
5%			

<b>BID DESCRIPTION:</b> Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.	 prasa cres CORPORATE REAL ESTATE SOLUTIONS
<b>BID NUMBER:</b> HO/CRES/ENERGY-BEL/002/11/23	

Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight
	<p>Professional Electrical / Electronics Engineer or Electrical / Electronics Technologist with more than four (4) and up to five (5) years' experience Proof in a form CVs, qualifications certifications and experience as specified.</p>	3	
	<p>Professional Electrical / Electronics Engineer or Electrical / Electronics Technologist with more than six (6) and up to nine (9) years' experience Proof in a form CVs, qualifications certifications and experience as specified.</p>	4	
	<p>Professional Electrical / Electronics Engineer or Electrical / Electronics Technologist with more than ten (10) years' experience or more. Proof in a form CVs, qualifications certifications and experience as specified.</p>	5	
<b>2. Construction Manager</b>	No submission or irrelevant submission	0	5%
	Built Environment qualification minimum National Diploma, with less than two (2) years' experience. Proof in a form CVs,	1	

<b>BID DESCRIPTION:</b> Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.	
<b>BID NUMBER:</b> HO/CRES/ENERGY-BEL/002/11/23	

Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight
<b>Resource and experience and organogram</b>	qualifications certifications and experience as specified.		
	Built Environment qualification minimum National Diploma, with more than two (2) and up to three (3) years' experience. Proof in a form CVs, qualifications certifications and experience as specified.	2	
	Built Environment qualification minimum National Diploma, with more than four (4) and up to five (5) years' experience. Proof in a form CVs, qualifications certifications and experience as specified.	3	
	Built Environment qualification minimum National Diploma, with more than six (6) and up to nine (9) years' experience. Proof in a form CVs, qualifications certifications and experience as specified.	4	
	Built Environment qualification minimum National Diploma, with ten (10) years' experience or more. Proof in a form CVs, qualifications certifications and experience as specified.	5	
	<b>3. Safety Officer</b>	No submission or irrelevant submission	0

**BID DESCRIPTION: Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.**



**BID NUMBER: HO/CRES/ENERGY-BEL/002/11/23**

Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight
<b>Resource and experience and organogram</b>		Built Environment qualification minimum National Diploma, with less than two (2) years' experience. Proof in a form CVs, qualifications certifications and experience as specified.	1
		Built Environment qualification minimum National Diploma, with more than two (2) and up to three (3) years' experience. Proof in a form CVs, qualifications certifications and experience as specified.	2
		Built Environment qualification minimum National Diploma, with more than four (4) and up to five (5) years' experience. Proof in a form CVs, qualifications certifications and experience as specified.	3
		Built Environment qualification minimum National Diploma, with more than six (6) and up to nine (9) years' experience. Proof in a form CVs, qualifications certifications and experience as specified.	4
		Built Environment qualification minimum National Diploma, with ten (10) years' experience or more. Proof in a form CVs, qualifications certifications and experience as specified.	5

**BID DESCRIPTION:** Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.



**BID NUMBER:** HO/CRES/ENERGY-BEL/002/11/23

Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight	
<b>Resource and experience and organogram</b>	<b>4. Structural Engineer or Structural Technologist</b>	No submission or irrelevant submission	0	5%
		Professional Structural Engineer or Structural Technologist with less than two (2) year experience. Proof in a form CVs, qualifications certifications and experience as specified.	1	
		Professional Structural Engineer or Structural Technologist with two (2) and up to three (3) years' experience. Proof in a form CVs, qualifications certifications and experience as specified.	2	
		3= Professional Structural Engineer or Structural Technologist with more than four (4) and up to five (5) years' experience Proof in a form CVs, qualifications certifications and experience as specified.	3	
		Professional Structural Engineer or Structural Technologist with more than six (6) and up to nine (9) years' experience Proof in a form CVs, qualifications certifications and experience as specified.	4	

<b>BID DESCRIPTION:</b> Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.	 prasa cres CORPORATE REAL ESTATE SOLUTIONS
<b>BID NUMBER:</b> HO/CRES/ENERGY-BEL/002/11/23	

Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight
<b>Resource and experience and organogram</b>	<p>Professional Structural Engineer or Structural Technologist with more than (10) years' experience or more. Proof in a form CVs, qualifications certifications and experience as specified.</p>	5	
	<p>No submission or irrelevant submission</p>	0	5%
	<p>Qualified Electrician with less than two (2) year experience, post trade test. Proof in a form CVs, qualifications certifications and experience as specified.</p>	1	
	<p>Qualified Electrician with more than two (2) and up to three (3) years' experience, post trade test. Proof in a form CVs, qualifications certifications and experience as specified.</p>	2	
	<p>Qualified Electrician with more than four (4) and up to five (5) years' experience, post trade test. Proof in a form CVs, qualifications certifications and experience as specified.</p>	3	

<b>BID DESCRIPTION:</b> Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.	 prasa cres CORPORATE REAL ESTATE SOLUTIONS
<b>BID NUMBER:</b> HO/CRES/ENERGY-BEL/002/11/23	

Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight
	Qualified Electrician with more than six (6) and up to nine (9) years' experience, post trade test. Proof in a form CVs, qualifications certifications and experience as specified.	4	
<b>Resource and experience and organogram</b>	Qualified Electrician with more than ten (10) years' experience or more, post trade test. Proof in a form CVs, qualifications certifications and experience as specified.	5	5%
	No submission or irrelevant submission	0	
	An incomplete organogram (less than 5 resources)	1	
	A complete Project Team organogram with all team members (minimum of 5 resources as per above)	5	
<b>TECHNICAL APPROACH AND METHODOLOGY</b> - Proposed methodology	A detailed methodology for the project management, engineering, building, construction, procurement, quality management, installation, testing and commissioning construction supervision	0	20%
	Detailed technical approach and methodology that is aligned to the scope of work highlighting 1 element.	1	

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<b>BID NUMBER:</b> HO/CRES/ENERGY-BEL/002/11/23	

Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight
should demonstrate thorough understanding of PRASA's objectives and required deliverables as outlined in the Scope of Work and meeting PRASA's requirements.	and close out specific to the particular project listed herein. Detailed technical approach and methodology is provided that is aligned to the scope of work highlighting, but not limited, to the following elements: <ul style="list-style-type: none"> <li>1. addressing scope of work as per clients' requirements</li> <li>2. risk assessment or identification relating to the project.</li> <li>3. information on project execution, integration and redundancy for unforeseen delays or occurrences</li> <li>4. health and safety plan</li> </ul>	Detailed technical approach and methodology that is aligned to the scope of work highlighting 2 elements and project plan.	2
		Detailed technical approach and methodology that is aligned to the scope of work highlighting 3 elements and a project plan.	3
		Detailed technical approach and methodology that is aligned to the scope of work highlighting 4 elements.	4
		Detailed technical approach and methodology that is aligned to the scope of work highlighting all 5 elements	5

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<p><b>BID NUMBER:</b> HO/CRES/ENERGY-BEL/002/11/23</p>	

Criteria	<p>Scores</p> <p>1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent</p>	Points scoring	Weight
<p><b>Project Programme plan</b></p>	<p>Tenderer has provided a detailed Gantt chart programme showing but not limited to the following:</p> <ul style="list-style-type: none"> <li>Ability to execute the works in terms of the Employer's requirements within the required timeframe indicating, in a logical sequence, the order and timing of the construction that will take place to provide the works in a logical sequence. Duration of the project estimated at 8 months.</li> </ul>	<p>No Submission or irrelevant information provided.</p>	0
	<p>Basic project plan showing start and end date of the project.</p>	1	
	<p>The programme is generic, not practical, and unrealistic. The tenderer has misunderstood certain aspects of the Scope of the Works and does not deal with the critical aspects of the project/ Work Breakdown Structure element in question as a subset of the overall project.</p>	2 20%	
	<p>The tenderer has addressed all date requirements correctly, however, still has minor errors and omissions in the logic and sequencing, but adequately dealt with the overall project execution.</p>	3	

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Criteria	Scores 1 = Poor; 2 = Average; 3 = Good; 4 = Very Good; 5 = Excellent	Points scoring	Weight
	A detailed programme showing critical path The tenderer has addressed all date requirements correctly and submission contains logic and sequencing which is accurate and renders the submission realistic and achievable. Project to be completed in 8 months.	4	
	A detailed programme showing critical path The tenderer has addressed all date requirements correctly and submission contains logic and sequencing which is accurate and renders the submission realistic and achievable. Project shall be completed in 6 months.	5	

**Note:** Bidders that fail to achieve the minimum overall qualifying score of 70% on functional/ technical requirements will not be considered for further Price and Specific Goals (Stage 3) evaluation.

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### **STAGE 3: PRICING AND SPECIFIC GOALS - (To be submitted in envelope 2)**

Bidders should provide their price proposal in envelope 2, which should include Form C (Financial Offer) and also provide proof of Specific Goals.

The following formula, shall be used by the Bid Evaluation Committee to allocate scores to the interested bidders:

The maximum points for this tender are allocated as follows:

	<b>POINTS</b>
<b>PRICE</b>	90
<b>SPECIFIC GOALS</b>	10
<b>TOTAL POINTS FOR PRICE AND SPECIFIC GOALS</b>	<b>100</b>

### **FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES**

#### **POINTS AWARDED FOR PRICE**

#### **THE 90/10 PREFERENCE POINT SYSTEMS**

A maximum of 90 points is allocated for price on the following basis:

**90/10**

$$PS = 90 \left( 1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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## POINTS AWARDED FOR SPECIFIC GOALS

In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

1. an invitation for tender for income-generating contracts, that 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system: or
2. any other invitation for tender, that 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
3. then the organ of state must indicate the points allocated for specific goals for 90/10 preference point system.

**Table 1: Specific goals for the tender and points claimed are indicated per the table below.**

**(Note to organs of state: Where either the 90/10 preference point system is applicable, corresponding points must also be indicated as such.**

**Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)**

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The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points claimed. (90/10 system) (To be completed by the tenderer)
EME or QSE at least 51% Black Owned	5	
BBB-EE Contributor status of at least level 1 and 2	5	
<b>Total</b>	<b>10</b>	

**The following table must be used as guide to determine acceptable evidence for Specific Goals:**

SPECIFIC GOALS	ACCEPTABLE EVIDENCE
EME or QSE at least 51% Black Owned	CIPC Documents / BBB-EE Certificate or Affidavit.
B-BBEE Contributor status of at least level 1 and 2	BBB-EE Certificate or Affidavit /Sanas (in case of JV, a consolidated BBB-EE will be accepted).

## 7 VALIDITY PERIOD

This RFP shall be valid for *90 working days* calculated from Bid closing date.

## 8 THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME

### 8.1 National Industrial Participation Programme (NIPP) requirements:

The National Industrial Participation (NIP) Programme, which is applicable to all government procurement contracts that have an imported content, became effective on the 1 September 1996. The NIP policy and guidelines were fully endorsed by Cabinet on 30 April 1997. In terms of the Cabinet decision, all state and parastatal purchases / lease contracts (for goods, works and services)

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entered after this date, are subject to the NIP requirements. NIP is obligatory and therefore must be complied with. The Industrial Participation Secretariat (IPS) of the Department of Trade and Industry (DTI) is charged with the responsibility of administering the programme.

## **9 POST TENDER NEGOTIATION (IF APPLICABLE)**

PRASA reserves the right to conduct post tender negotiations with a shortlist of Respondent(s). The shortlist could comprise of one or more Respondents. Should PRASA conduct post tender negotiations, Respondents will be requested to provide their best and final offers to PRASA based on such negotiations. A final evaluation will be conducted in terms of 90/10.

## **10 FINAL CONTRACT AWARD**

PRASA will negotiate the final terms and condition the contract with the successful Respondent(s). This may include aspects such as Supplier Development, the B-BBEE Improvement Plan, price and delivery. Thereafter the final contract will be awarded to the successful Respondent(s).

## **11 FAIRNESS AND TRANSPARENCY**

PRASA views fairness and transparency during the RFP Process as an absolute on which PRASA will not compromise. PRASA will ensure that all members of evaluation committees declare any conflicting or undue interest in the process and provide confidentiality undertakings to PRASA. The evaluation process will be tightly monitored and controlled by PRASA to assure integrity and transparency throughout, with all processes and decisions taken being approved and auditable.

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## SECTION 3

### PRICING AND DELIVERY SCHEDULE

Respondents are required to complete the Pricing Schedule/ BOQ and Form C (Volume 2 /Envelop 2 )

#### **1 PRICING**

- 1.1. Prices must be quoted in South African Rand, inclusive of all applicable taxes.
- 1.2. Price offer is firm and clearly indicate the basis thereof.
- 1.3. Pricing Bill of Quantity is completed in line with schedule if applicable.
- 1.4. Cost breakdown must be indicated.
- 1.5. Price escalation basis and formula must be indicated.
- 1.6. To facilitate like-for like comparison bidders must submit pricing strictly in accordance with this price schedule and not utilise a different format. Deviation from this pricing schedule could result in a bid being declared non-responsive.
- 1.7. Please note that should you have offered a discounted price(s), PRASA will only consider such price discount(s) in the final evaluation stage on an unconditional basis.
- 1.8. Respondents are to note that if price offered by the highest scoring bidder is not market related, PRASA may not award the contract to the Respondent. PRASA may:
  - 1.8.1. negotiate a market-related price with the Respondent scoring the highest points or cancel the RFP;
  - 1.8.2. if that Respondent does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the second highest points or cancel the RFP; and
  - 1.8.3. if the Respondent scoring the second highest points does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the third highest points or cancel the RFP.
- 1.8.4. If a market-related price is not agreed with the Respondent scoring the third highest points, PRASA must cancel the RFP.

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## 2 DISCLOSURE OF PRICES QUOTED

Respondents are to note that, on award of business, PRASA is required to publish the tendered prices and preferences claimed of the successful and unsuccessful Respondents inter alia on the National Treasury e-Tender Publication Portal, ([www.etenders.gov.za](http://www.etenders.gov.za)) , the other medium used to advertise the bid i.e CIDB as required per National Treasury Instruction Note 09 of 2022/2023.

## 3 PERFORMANCE AND BID BONDS (WHERE APPLICABLE)

3.1. The preferred Bidder shall where applicable provide PRASA with a performance bond which shall be 10% of the value of the entire Project price offered and it shall be issued with 30 days of receipt of notice of appointment. The Performance Bond shall be valid for the Contract period.

## 4 OWNERSHIP OF DESIGN

4.1. The plans and design developed and to be provided by PRASA shall at all times remain the property of PRASA.]

## 5 SERVICE LEVELS

5.1. An experienced national account representative(s) is required to work with PRASA's procurement department. [No sales representatives are needed for individual department or locations]. Additionally, there shall be a minimal number of people, fully informed and accountable for this agreement.

5.2. PRASA will have quarterly reviews with the Service provider's account representative on an on-going basis.

5.3. PRASA reserves the right to request that any member of the Service provider's team involved on the PRASA account be replaced if deemed not to be adding value for PRASA.

5.4. The Service provider guarantees that it will achieve a 100% [hundred per cent] service level on the following measures:

- a) Random checks on compliance with quality/quantity/specifications
- b) On time delivery.

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5.5. The Service provider must provide a telephone number for customer service calls.

5.6. Failure of the Service provider to comply with stated service level requirements will give PRASA the right to cancel the contract in whole, without penalty to PRASA, giving 30 [thirty] calendar days' notice to the Service provider of its intention to do so.

**Acceptance of Service Levels:**

YES	
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## 6 TOTAL COST OF OWNERSHIP (TCO)

6.1. PRASA will strive to procure goods, services and works which contribute to its mission. In order to achieve this, PRASA must be committed to working with suppliers who share its goals of continuous improvement in service, quality and reduction of Total Cost of Ownership (TCO).

6.2. Respondents shall indicate whether they would be committed, for the duration of any contract which may be awarded through this RFP process, to participate with PRASA in its continuous improvement initiatives to reduce the total cost of ownership [TCO], which will reduce the overall cost of transportation services and related logistics provided by PRASA's operating divisions within South Africa to the ultimate benefit of all end-users.

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## **7 FINANCIAL STABILITY**

Respondents are required to submit their latest financial statements prepared and signed off by a professional accountant for the past ..... years with their Proposal in order to enable PRASA to establish financial stability.

SIGNED at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 20.....

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 \_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: \_\_\_\_\_

NAME: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

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## **8 VALIDITY OF RETURNABLE DOCUMENTS**

The successful Respondent will be required to ensure the validity of all returnable documents, including but not limited to its Tax Clearance Certificate and valid B-BBEE Verification Certificate, for the duration of any contract emanating from this RFP. Should the Respondent be awarded the contract [the Agreement] and fail to present PRASA with such renewals as and when they become due, PRASA shall be entitled, in addition to any other rights and remedies that it may have in terms of the eventual Agreement, to terminate such Agreement forthwith without any liability and without prejudice to any claims which PRASA may have for damages against the Respondent.

SIGNED at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 20.....

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 \_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: \_\_\_\_\_

NAME: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

**BID DESCRIPTION: Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.**



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## **9 CERTIFICATE OF ACQUAINTANCE WITH RFP TERMS & CONDITIONS & APPLICABLE DOCUMENTS**

By signing this certificate the Respondent is deemed to acknowledge that he/she has made himself/herself thoroughly familiar with, and agrees with all the conditions governing this RFP, including those contained in any printed form stated to form part hereof, including but not limited to the documents stated below and PRASA will recognise no claim for relief based on an allegation that the Respondent overlooked any such condition or failed properly to take it into account for the purpose of calculating tendered prices or any other purpose:

1. PRASA's General Bid Conditions\*

2. Standard RFP Terms and Conditions for the supply of Goods or Services or Works to PRASA

Should the Bidder find any terms or conditions stipulated in any of the relevant documents quoted in the RFP unacceptable, it should indicate which conditions are unacceptable and offer alternatives by written submission on its company letterhead, attached to its submitted Bid. Any such submission shall be subject to review by PRASA's Legal Counsel who shall determine whether the proposed alternative(s) are acceptable or otherwise, as the case may be. A material deviation from the Standard terms or conditions could result in disqualification.

Bidders accept that an obligation rests on them to clarify any uncertainties regarding any bid to which they intend to respond, before submitting the bid. The Bidder agrees that he/she will have no claim based on an allegation that any aspect of this RFP was unclear but in respect of which he/she failed to obtain clarity.

The bidder understands that his/her Bid will be disqualified if this Certificate of Acquaintance with RFP documents included in the RFP as a returnable document, is found not to be true and complete in every respect.

SIGNED at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 20....

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SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 \_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: \_\_\_\_\_

NAME: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

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## 10 GENERAL CONDITIONS

### 10.1 ALTERNATIVE BIDS

Bidders may submit alternative Bid only if a main Bid, strictly in accordance with all the requirements of the RFP is also submitted. The alternative Bid is submitted with the main Bid together with a schedule that compares the requirements of the RFP with the alternative requirements the Bidders proposes. Bidders must note that in submitting an alternative Bid they accept that PRASA may accept or reject the alternative Bid and shall be evaluated in accordance with the criteria stipulated in this RFP.

### 10.2 PRASA'S TENDER FORMS

Bidders must sign and complete the PRASA's Bid Forms and attach all the required documents. Failure by Bidders to adhere to this requirement may lead to their disqualification.

### 10.3 PRECEDENT

In case of any conflict with this RFP and Bidders response, this RFP and its briefing notes shall take precedence.

### 10.4 RESPONSE TO RFP-CONFIDENTIALITY

Response to RFPs must clearly indicate whether any information conveyed to or requested from PRASA is confidential or should be treated confidentially by PRASA. In the absence of any such clear indication in writing from a response to RFP, PRASA shall deem the response to RFP to have waived any right to confidentiality and treat such information as public in nature.

Where a Bidder at any stage during the RFP Process indicates to PRASA that information or any response to RFP requested from PRASA is or should be treated confidentially, PRASA shall treat such information or response to RFP confidentially, unless PRASA believes that to ensure the transparency and competitiveness of the RFP Process the content of the information or response to RFP should be conveyed to all Bidders, in which event it shall apply the following process:

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- PRASA shall confirm with the Bidder whether the raising of confidentiality applies to the entire response to the RFP or only specific elements or sections of the response;
- Where confidentiality is maintained by the Bidder and PRASA is of the opinion that the information or response to RFP if made publicly available would affect the commercial interests of the Bidder or is commercially sensitive information, PRASA shall not release such information to other Bidders if providing such information or response to the RFP would prejudice the competitiveness and transparency of the RFP Process;
- Where PRASA is of the opinion that information provided is not commercially sensitive or would have no impact on the commercial interests of the relevant Bidder if released and fairness and transparency requires that such information be released to all Bidders, PRASA may:
  - i. inform the relevant Bidder of the necessity to release such information and/or response to RFP and request the Bidder to consent to the release thereof by PRASA; or
  - ii. obtain legal advice regarding the confidentiality of the relevant information and/or response to RFP and the legal ability of PRASA to release such information; or
  - iii. refrain from releasing the information and/or response to RFP, in which event PRASA shall not take account of the contents of such information in the evaluation of the relevant response to RFP.

The above procedures regarding confidentiality shall not apply to any information which is already public knowledge or available in the public domain or in the hands of PRASA or is required to be disclosed by any legal or regulatory requirements or order of any competent court, tribunal or forum.

## 10.5 RESPONSE TO THE RFP – RFP DISQUALIFICATION

Responses to RFP which do not comply with the RFP requirements, formalities, terms and conditions may be disqualified by PRASA from further participation in the RFP Process.

In particular (but without prejudice to the generality of the foregoing) PRASA may disqualify, at its sole discretion and without prejudice to any other remedy it may have, a Bidder where the Bidder, or any of its consortium members, subcontractors or advisors have committed any act of misrepresentation, bad faith or dishonest conduct in any of its dealings with or information provided to PRASA.

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## 10.6 CORRUPTION, GIFTS AND PAYMENTS

Neither the Bidders to RFPs, its equity members, the sub-contractors, consortium members nor any of their agents, lenders or advisors shall directly or indirectly offer or give to any person in the employment of PRASA or any other Government official or any of the Advisory Team any gift or consideration of any kind as an inducement or reward for appointing a particular Bidder, or for showing or omitting to show favour or disfavour to any of the Bidders, its equity members or the sub-contractors in relation to the Project.

In the event that any of the prohibited practices contemplated under the above paragraph is committed, PRASA shall be entitled to terminate any Response to RFP's status and to prohibit such Response to RFP, its equity members, its SPV members, its Sub Contractors and their agents, lenders and advisors from participating in any further part of the procurement of the Project.

## 10.7 INSURANCE

Unless specifically provided for in this RFP or draft contracts, Bidders will be required to submit with their Bid for services professional indemnity insurance and works insurance to an extent (if any) if insurance provided by PRASA may not be for the full cover required in terms of the relevant category listed in this RFP. The Bidder is advised to seek qualified advice regarding insurance.

## 10.8 NO CONTACT POLICY

Bidders may only contact the bid administrator of PRASA as per the terms of the Communication Structure established by this RFP, except in the case of pre-existing commercial relationships, in which case contact may be maintained only with respect thereto and, in making such contact, no party may make reference to the Project or this RFP.

## 10.9 CONFLICT OF INTEREST

No Bidder member, subcontractor or advisor of the response to RFP may be a member of or in any other way participate or be involved, either directly or indirectly in more than one response to RFP or response to RFP during any stage of the Project procurement process, but excluding specialist suppliers of systems and equipment, non-core service providers or financial or commercial institutions whose role is limited purely to lending money or advancing credit to the response to RFP. Bidders are

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to sign the declaration of interest form. In order to prevent the conflict or potential conflict of interest between Lenders and Bidders to RFP, no advisors or the Contractor/s or Consortium/s to any response to RFP, consortium member or subcontractor may fulfil the role of arranger, underwriter and/or lead bank to the response to RFP. PRASA may disqualify the response to RFP from further participation in the event of a failure to comply with this provision. PRASA views the potential conflict of interest so great as to warrant the reduction of competition for advisory services.

## **10.10 COLLUSION AND CORRUPTION**

Any Bidder shall, without prejudice to any other remedy available to PRASA, be disqualified, where the response to RFP –

- communicates to a person other than persons nominated by PRASA a material part of its response to RFP; or
- Enters into any Contract or arrangement with any other person or entity that it shall refrain from submitting a response to RFP to this RFP or as to any material part of its Response to RFP to this RFP (refer the prohibition contained in Section 4(1)(b)(iii) of the Competition Act 89 of 1998).  
The Bidders represents that the Bidder has not, directly or indirectly, entered into any agreement, arrangement or understanding or any such like for the purpose of, with the intention to, enter into collusive Bidding or with reasonable appreciation that, collusive any agreement, arrangement or understanding or any such like may result in or have the effect of collusive Bidding.  
The Bidder undertakes that in the process of the Bid but prior to PRASA awarding the Bid to a preferred bidder become involved in or be aware of or do or caused to be done any agreement, arrangement or understanding or any such like for the purpose of or which may result in or have the effect of a collusive Bid, the Bidder will notify PRASA of such any agreement, arrangement or understanding or any such like.; or
- offers or agrees to pay or give any sum of money, inducement or valuable consideration directly or indirectly to any person for doing or having done, or causing, or having caused to be done any act or omission in relation to the RFP Process or any proposed response to RFP (provided nothing contained in this paragraph shall prevent a response to RFP from paying any market-related commission or bonus to its employees or contractors within the agreed terms of their employment or contract).

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## 10.11 CONSORTIUM CHANGES

If exceptional circumstances should arise in which after the submission to the bid and after closing date of submission of bids, there is change in the composition of the Bidder, either through substitution or omission of any member of the Bidder:

- The Response to RFP must notify PRASA in writing of the proposed changes supported by complete details of the material reasons for the changes, the parties impacted by the changes and the impact on the response to RFP.
- PRASA shall evaluate the reasons advanced by the Bidder for the requested changes to the Bidder structure and where PRASA is not satisfied that the reasons advanced are reasonable or material, refuse to accept the change and disqualify the response to RFP, or notify the Bidder in writing of its non-acceptance of the changes and require the Bidder to propose a suitable alternative to PRASA within 10 (TEN) days of its receipt of the decision of PRASA, upon receipt of which PRASA shall -
  - i. Evaluate the alternative proposed for suitability to PRASA, and where the alternative is accepted by PRASA, inform the Bidder in writing of such acceptance and PRASA shall reassess the response to RFP against the RFP requirements and criteria; or
  - ii. Where the alternative is not accepted by PRASA, inform the Bidder in writing of such non-acceptance as well as its disqualification from the RFP Process.
  - iii. Where PRASA is satisfied that the changes requested under (i) above are reasonable and material, the response to RFP, shall be allowed to effect the required changes and PRASA shall reassess the response to RFP against the RFP requirements and criteria.

## 10.12 COSTS OF RESPONSE TO THE RFP SUBMISSION

All costs and expenses associated with or incurred by the Bidder in relation to any stage of the Project, shall be borne by the Bidder. PRASA shall not be liable for any such costs or expenses or any claim for reimbursement of such costs or expenses.

To avoid doubt, PRASA shall not be liable for any samples submitted by the Bidder in support of their Responses to RFP and reserves the right not to return to them such samples and to dispose of them at its discretion.

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#### 10.13 RESPONSE TO THE RFP WARRANTY

Bidders must provide a warranty as part of their Responses to RFP that their Responses to RFP are true and correct in all respects, that it does not contain a misrepresentation of any kind and that the taxes of all members of the Bidder company, consortium members and or subcontractors are in order and none of the members are undergoing corruption or any criminal-related investigations or have any past convictions for fraud or corruption.

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## 11 CONDITIONS OF TENDER

### General

**Actions** 1 PRASA's *Representative* and each *tenderer* submitting a tender shall act as stated in these Conditions of Tender and in a manner which is fair, equitable, transparent, competitive and cost-effective.

**Interpretation** 2 Terms shown in *italics* vary for each tender. The details of each term for this tender are identified in the Request for Tender / Scope of work/ specification. Terms shown in capital initials are defined terms in the appropriate conditions of contract.

3 Any additional or amended requirements in the Scope of work/ specification, and additional requirements given in the Schedules in the *tender returnables* are deemed to be part of these Conditions of Tender.

4 The Conditions of Tender and the Scope of work/ specification shall form part of any contract arising from this invitation to tender.

**Communication** 5 Each communication between PRASA and a *tenderer* shall be to or from PRASA's *Representative* only, and in a form that can be read, copied and recorded. Communication shall be in the English language. PRASA takes no responsibility for non-receipt of communications from or by a *tenderer*.

**PRASA's rights to accept or reject any tender** 6 PRASA may accept or reject any variation, deviation, tender, or alternative tender, and may cancel the tender process and reject all tenders at any time prior to the formation of a contract. PRASA or PRASA's *Representative* will not accept or incur any liability to a *tenderer* for such cancellation and rejection, but will give reasons for the action. PRASA reserves the right to accept the whole or any part of any tender.

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- 7 After the cancellation of the tender process or the rejection of all tenders PRASA may abandon the proposed work and services, have it performed in any other manner, or re-issue a similar invitation to tender at any time.

### **Tenderer's obligations**

The *tenderer* shall comply with the following obligations when submitting a tender and shall:

<b>Eligibility</b>	1 Submit a tender only if the <i>tenderer</i> complies with the criteria stated in the Scope of work/ specification.
<b>Cost of tendering</b>	2 Accept that PRASA will not compensate the <i>tenderer</i> for any costs incurred in the preparation and submission of a tender.
<b>Check documents</b>	3 Check the <i>tender documents</i> on receipt, including pages within them, and notify PRASA's <i>Representative</i> of any discrepancy or omissions in writing.
<b>Copyright of documents</b>	4 Use and copy the documents provided by PRASA only for the purpose of preparing and submitting a tender in response to this invitation.
<b>Standardised specification s and other publications</b>	5 Obtain, as necessary for submitting a tender, copies of the latest revision of standardised specifications and other publications, which are not attached but which are incorporated into the <i>tender documents</i> by reference.
<b>Acknowledgement receipt</b>	6 Preferably complete the Receipt of invitation to submit a tender form attached to the Letter of Invitation and return it within five days of receipt of the invitation.

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7 Acknowledge receipt of Addenda / Tender Briefing Notes to the *tender documents*, which PRASA's *Representative* may issue, and if necessary apply for an extension to the *deadline for tender submission*, in order to take the Addenda into account.

**Site visit and / or clarification meeting**

8 Attend a site visit and/or clarification meeting at which *tenderers* may familiarise themselves with the proposed work, services or supply, location, etc. and raise questions, if provided for in the Scope of work/specification. Details of the meeting are stated in the RFP document, *i-tender* website and CIDB website.

**Seek clarification**

9 Request clarification of the *tender documents*, if necessary, by notifying PRASA's *Representative* earlier than the *closing time for clarification of queries*.

**Insurance**

10 Be informed of the risk that needs to be covered by insurance policy. The *tenderer* is advised to seek qualified advice regarding insurance.

**Pricing the tender**

11 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes (except VAT), and other levies payable by the successful *tenderer*. Such duties, taxes and levies are those applicable 14 days prior to the *deadline for tender submission*.

12 Show Value Added Tax (VAT) payable by PRASA separately as an addition to the tendered total of the prices.

13 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the *conditions of contract*.

14 State the rates and Prices in South African Rand unless instructed otherwise as an additional condition in the Scope of work/ specification. The selected *conditions of contract* may provide for part payment in other currencies.

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**Alterations to documents** 15 Not make any alterations or an addition to the tender documents, except to comply with instructions issued by PRASA's *Representative* or if necessary to correct errors made by the *tenderer*. All such alterations shall be initialled by all signatories to the tender. Corrections may not be made using correction fluid, correction tape or the like.

**Alternative tenders** 16 Submit alternative tenders only if a main tender, strictly in accordance with all the requirements of the *tender documents* is also submitted. The alternative tender is submitted with the main tender together with a schedule that compares the requirements of the *tender documents* with the alternative requirements the *tenderer* proposes.

17 Accept that an alternative tender may be based only on the criteria stated in the Scope of work/ specification and as acceptable to PRASA.

**Submitting a tender** 18 Submit a tender for providing the whole of the works, services or supply identified in the Contract Data unless stated otherwise as an additional condition in the Scope of work/ specification.

**NOTE:** 19 **Return the completed and signed PRASA Tender Forms and SBD forms provided with the tender. Failure to submit all the required documentation will lead to disqualification**

20 **Submit the tender as an original plus 1 copy and an electronic version which should be contained in Memory Cards clearly marked in the Bidders name as stated in the RFP and provide an English translation for documentation submitted in a language other than English. Tenders may not be written in pencil but must be completed in ink.**

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- 21 Sign and initial the original and all copies of the tender where indicated. PRASA will hold the signatory duly authorised and liable on behalf of the *tenderer*.
- 22 Seal the original and each copy of the tender as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside PRASA's address and invitation to tender number stated in the Scope of work/ specification, **as well as the tenderer's name and contact address**. Where the tender is based on a two envelop system tenderers should further indicate in the package whether the document is **envelope / box 1 or 2**.
- 23 Seal original and copies together in an outer package that states on the outside only PRASA's address and invitation to tender number as stated in the Scope of work/ specification. The outer package should be marked "CONFIDENTIAL"
- 24 Accept that PRASA will not assume any responsibility for the misplacement or premature opening of the tender if the outer package is not sealed and marked as stated.

**Note:**

PRASA prefers not to receive tenders by post, and takes no responsibility for delays in the postal system or in transit within or between PRASA offices.

PRASA prefers not to receive tenders by fax, PRASA takes no responsibility for difficulties in transmission caused by line or equipment faults.

Where tenders are sent via courier, PRASA takes no responsibility for tenders delivered to any other site than the tender office.

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PRASA employees are not permitted to deposit a tender into the PRASA tender box on behalf of a tenderer, except those lodged by post or courier.

**Closing time**

- 25 Ensure that PRASA has received the tender at the stated address with the Scope of work / specification no later than the *deadline for tender submission*. Proof of posting will not be taken by PRASA as proof of delivery. PRASA will not accept a tender submitted telephonically, by Fax, E-mail or by telegraph unless stated otherwise in the Scope of work/ specification.
- 26 Accept that, if PRASA extends the *deadline for tender submission* for any reason, the requirements of these Conditions of Tender apply equally to the extended deadline.

**Tender validity**

- 27 Hold the tender(s) valid for acceptance by PRASA at any time within the *validity period* after the *deadline for tender submission*.
- 28 Extend the *validity period* for a specified additional period if PRASA requests the *tenderer* to extend it. A *tenderer* agreeing to the request will not be required or permitted to modify a tender, except to the extent PRASA may allow for the effects of inflation over the additional period.

**Clarification of tender after submission**

- 29 Provide clarification of a tender in response to a request to do so from PRASA's *Representative* during the evaluation of tenders. This may include providing a breakdown of rates or Prices. No change in the total of the Prices or substance of the tender is sought, offered, or permitted except as required by PRASA's *Representative* to confirm the correction of arithmetical errors discovered in the evaluation of tenders. The total of the Prices stated by the *tenderer* as corrected by PRASA's *Representative* with the concurrence of the *tenderer*, shall be binding upon the *tenderer*

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**Submit bonds, policies etc.** 30 If instructed by PRASA's *Representative* (before the formation of a contract), submit for PRASA's acceptance, the bonds, guarantees, policies and certificates of insurance required to be provided by the successful *tenderer* in terms of the *conditions of contract*.

31 Undertake to check the final draft of the contract provided by PRASA's *Representative*, and sign the Form of Agreement all within the time required.

32 Where an agent on behalf of a principal submits a tender, an authenticated copy of the authority to act as an agent should be submitted with the tender.

**Fulfil BEE requirements** 33 Comply with PRASA's requirements regarding BBBEE Suppliers.

#### PRASA'S UNDERTAKINGS

PRASA, and PRASA's *Representative*, shall:

**Respond to clarification** 1 Respond to a request for clarification received earlier than the *closing time for clarification of queries*. The response is notified to all *tenderers*.

**Issue Addenda** 2 If necessary, issue to each *tenderer* from time to time during the period from the date of the Letter of Invitation until the *closing time for clarification of queries*, Addenda that may amend, amplify, or add to the *tender documents*. If a *tenderer* applies for an extension to the *deadline for tender submission*, in order to take Addenda into account in preparing a tender, PRASA may grant such an extension and PRASA's *Representative* shall notify the extension to all *tenderers*.

**Return late tenders** 3 Return tenders received after the *deadline for tender submission* unopened to the *tenderer* submitting a late tender. Tenders will be deemed late if they are not in the designated tender box at the date and time stipulated as the deadline for tender submission.

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<b>Non-disclosure</b>	4 Not disclose to <i>tenderers</i> , or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tenders and recommendations for the award of a contract.
<b>Grounds for rejection</b>	5 Consider rejecting a tender if there is any effort by a <i>tenderer</i> to influence the processing of tenders or contract award.
<b>Disqualification</b>	6 Instantly disqualify a <i>tenderer</i> (and his tender) if it is established that the <i>tenderer</i> offered an inducement to any person with a view to influencing the placing of a contract arising from this invitation to tender.
<b>Test for responsiveness</b>	<p>7 Determine before detailed evaluation, whether each tender properly received</p> <ul style="list-style-type: none"> <li>• meets the requirements of these Conditions of Tender,</li> <li>• has been properly signed, and</li> <li>• is responsive to the requirements of the <i>tender documents</i>.</li> </ul> <p>8 Judge a responsive tender as one which conforms to all the terms, conditions, and specifications of the <i>tender documents</i> without material deviation or qualification. A material deviation or qualification is one which, in PRASA 's opinion would</p> <ul style="list-style-type: none"> <li>• detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Contract Data,</li> <li>• change PRASA's or the <i>tenderer's</i> risks and responsibilities under the contract, or</li> <li>• affect the competitive position of other <i>tenderers</i> presenting responsive tenders, if it were to be rectified.</li> </ul>

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<p><b>Non-responsive tenders</b></p>	<p>10 Reject a non-responsive tender, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.</p>
<p><b>Arithmetical errors</b></p>	<p>11 Check responsive tenders for arithmetical errors, correcting them as follows:</p> <ul style="list-style-type: none"> <li>• Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern.</li> <li>• If a bill of quantities applies and there is a discrepancy between the rate and the line item total, resulting from multiplying the rate by the quantity, the rate as quoted shall govern. Where there is an obviously gross misplacement of the decimal point in the rate, the line item total as quoted shall govern, and the rate will be corrected.</li> <li>• Where there is an error in the total of the Prices, either as a result of other corrections required by this checking process or in the <i>tenderer's</i> addition of prices, the total of the Prices, if any, will be corrected.</li> </ul>
<p><b>Evaluating the tender</b></p>	<p>12 Reject a tender if the <i>tenderer</i> does not accept the corrected total of the Prices (if any).</p>
<p><b>Clarification of a tender</b></p>	<p>13 Evaluate responsive tenders in accordance with the procedure stated in the RFP / Scope of work/ specification. The evaluated tender price will be disclosed only to the relevant PRASA tender committee and will not be disclosed to <i>tenderers</i> or any other person.</p>
<p><b>Acceptance of tender</b></p>	<p>14 Obtain from a <i>tenderer</i> clarification of any matter in the tender which may not be clear or could give rise to ambiguity in a contract arising from this tender if the matter were not to be clarified.</p>
<p><b>Acceptance of tender</b></p>	<p>15 Notify PRASA's acceptance to the successful <i>tenderer</i> before the expiry of the <i>validity period</i>, or agreed additional period. Providing the notice of acceptance does not contain any qualifying statements, it will</p>

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constitute the formation of a contract between PRASA and the successful *tenderer*.

**Notice to unsuccessful tenderers** 16 After the successful *tenderer* has acknowledged PRASA's notice of acceptance, notify other *tenderers* that their tenders have not been accepted, following PRASA's current procedures.

**Prepare contract documents** 17 Revise the contract documents issued by PRASA as part of the *tender documents* to take account of
 

- Addenda issued during the tender period,
- inclusion of some of the *tender returnables*, and
- other revisions agreed between PRASA and the successful *tenderer*, before the issue of PRASA's notice of acceptance (of the tender).

**Issue final contract** 18 Issue the final contract documents to the successful *tenderer* for acceptance within one week of the date of PRASA's notice of acceptance.

**Sign Form of Agreement** 19 **Arrange for authorised signatories of both parties to complete and sign the original and one copy of the Form of Agreement within two weeks of the date of PRASA's notice of acceptance of the tender. If either party requires the signatories to initial every page of the contract documents, the signatories for the other party shall comply with the request.**

**Provide copies of the contracts** 20 Provide to the successful *tenderer* the number of copies stated in the Scope of work/ specification of the signed copy of the contracts within three weeks of the date of PRASA's acceptance of the tender.

<b>BID DESCRIPTION:</b> Appointment of an Electrical Contractor for the Procurement, Engineering, Supply, Install, Test and Commission including maintenance of 500 kW Photovoltaic solar rooftop at Belle Ombre Station.	 <b>prasa cres</b> CORPORATE REAL ESTATE SOLUTIONS
<b>BID NUMBER:</b> HO/CRES/ENERGY-BEL/002/11/23	

## ANNEXURE 2

## RFT CLARIFICATION REQUEST FORM

RFT No: HO/CRES/ENERGY-BEL/002/11/23

RFT deadline for questions / RFT Clarifications: Before: **6 December 2023**

TO: PRASA Corporate Real Estate (PRASA Cres)  
ATTENTION: SCM Administrator  
COPY TO: SCM Practitioner  
EMAIL [Albert Mlambete Mdluli <Albert.Mdluli@prasa.com>]

DATE: \_\_\_\_\_  
FROM: \_\_\_\_\_

RFP Clarification No [to be inserted by PRASA]

## REQUEST FOR RFP CLARIFICATION